CITY OF WEST KELOWNA

Monthly Water Quality Report

Powers Creek Water Service Area

February 2025

WATER SUPPLY AND TREATMENT

CITY OF
WEST
KELOWNA

Powers Creek Water Treatment Plant

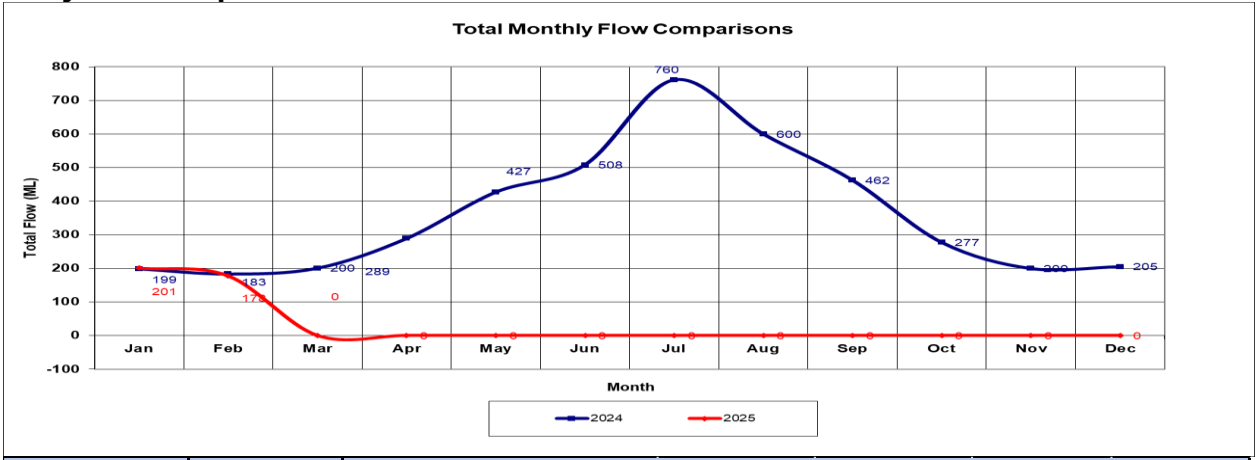
Water Quality Summary

February 2025

Flow Demand

Total Flow	177,728 **M³**
High Day, Feb 9th, 2025	3,229 **M³**
Low Day, Feb 20th, 2025	2,464 **M³**

Daily Consumption



Date	Raw Water	Filtered Water	Treated & Disinfected Water				
	Intake Total	Backwash Flow	Flow to	City Flow	Glenrosa Flow	Smith Creek	
February 1, 2025	7.0473	0.0000	7.4118	4.8118	1.7598	1.0831	0.0001
February 2, 2025	6.9508	0.0000	7.2463	4.8118	1.6989	1.1087	0.0001
February 3, 2025	7.0026	0.3782	6.7831	4.6281	1.7947	1.0834	0.0001
February 4, 2025	6.8989	0.0000	7.3490	4.6015	1.8871	0.9540	0.0001
February 5, 2025	7.1193	0.3746	6.9361	4.7139	1.6443	1.1053	0.0000
February 6, 2025	6.6840	0.0000	7.0231	4.6046	1.5554	0.9968	0.0001
February 7, 2025	6.9207	0.3755	6.6757	4.6543	1.6974	1.0590	0.0001
February 8, 2025	7.1635	0.0000	7.5257	4.7013	1.8745	1.0399	0.0001
February 9, 2025	7.0706	0.0000	7.3784	4.9928	1.9919	1.2374	0.0001
February 10, 2025	7.2407	0.3784	7.0183	4.7415	1.7664	1.0779	0.0000
February 11, 2025	7.2289	0.0000	7.6811	4.6556	1.8224	1.0168	0.0001
February 12, 2025	6.9342	0.3751	6.7164	4.6556	1.8016	1.1067	0.0001
February 13, 2025	6.7385	0.0000	7.0946	4.7104	1.5849	1.1067	0.0001
February 14, 2025	7.0119	0.3749	6.8307	4.6200	1.6112	1.0699	0.0001
February 15, 2025	6.6073	0.0000	7.0496	4.6304	1.6112	1.0727	0.0001
February 16, 2025	6.4407	0.0000	6.7941	4.6622	1.5951	1.0634	0.0001
February 17, 2025	6.6551	0.0000	7.0519	4.8461	1.5379	1.0634	0.0000
February 18, 2025	6.8050	0.3769	6.8332	4.7735	1.5795	1.0948	0.0001
February 19, 2025	6.8196	0.0000	7.0911	4.6348	1.5176	1.0642	0.0001
February 20, 2025	6.4747	0.0000	6.6984	4.4894	1.5176	0.9468	0.0001
February 21, 2025	7.3000	0.6344	6.5971	4.6907	1.5337	1.0634	0.0001
February 22, 2025	6.7617	0.0000	7.1373	4.7634	1.5686	1.1324	0.0001
February 23, 2025	6.6405	0.0000	6.9763	4.7258	1.5943	1.0636	0.0001
February 24, 2025	6.8271	0.3790	6.7971	4.6081	1.5398	1.0017	0.0001
February 25, 2025	6.7692	0.2151	6.6041	4.6340	1.5398	1.0508	0.0001
February 26, 2025	7.3507	0.3793	7.1880	4.6340	1.6173	1.0240	0.0001
February 27, 2025	6.4234	0.0126	6.9057	4.7108	1.5145	1.0572	0.0001
February 28, 2025	6.8803	0.5702	6.2850	4.6368	1.6272	1.0572	0.0001
Daily Average (ML):	6.8845	0.1723	6.9885	4.6908	1.6566	1.0643	0.0001
Monthly Totals (ML):	**192.7672**	**4.8240**	**195.6791**	**131.3431**	**46.3847**	**29.8029**	
Backwash Water (% of Total):		**2.50%**					

Powers Creek Water Treatment Plant

Water Quality Summary

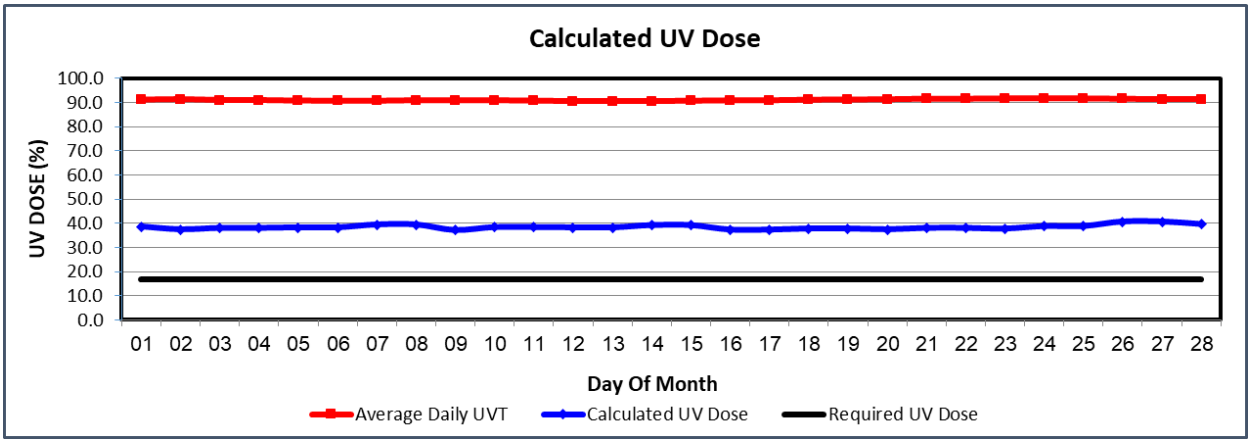
February 2025

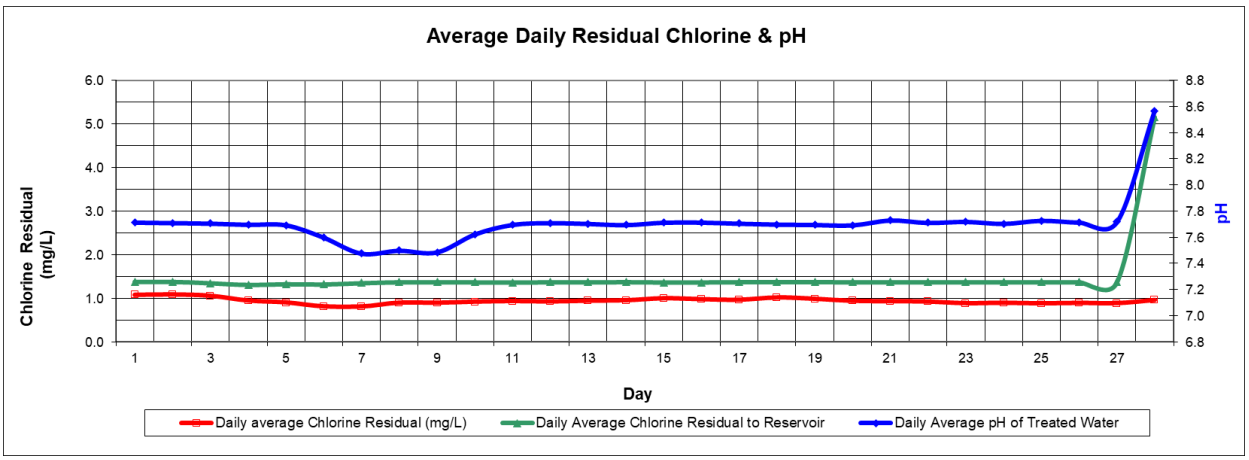
Chlorine

Chlorine used: **332** kg. Average **12** kg/day

Free Chlorine Residual Range Leaving Reservoir

Maximum: **1.12** ppm Minimum: **0.11** ppm Average: **0.94** ppm





pH

High: **8.57** Low: **7.48** Average: **7.71**

Raw Water Turbidity

High: **4.01** NTU Low: **0.49** NTU Average: **1.06** NTU

Powers Creek Water Treatment Plant

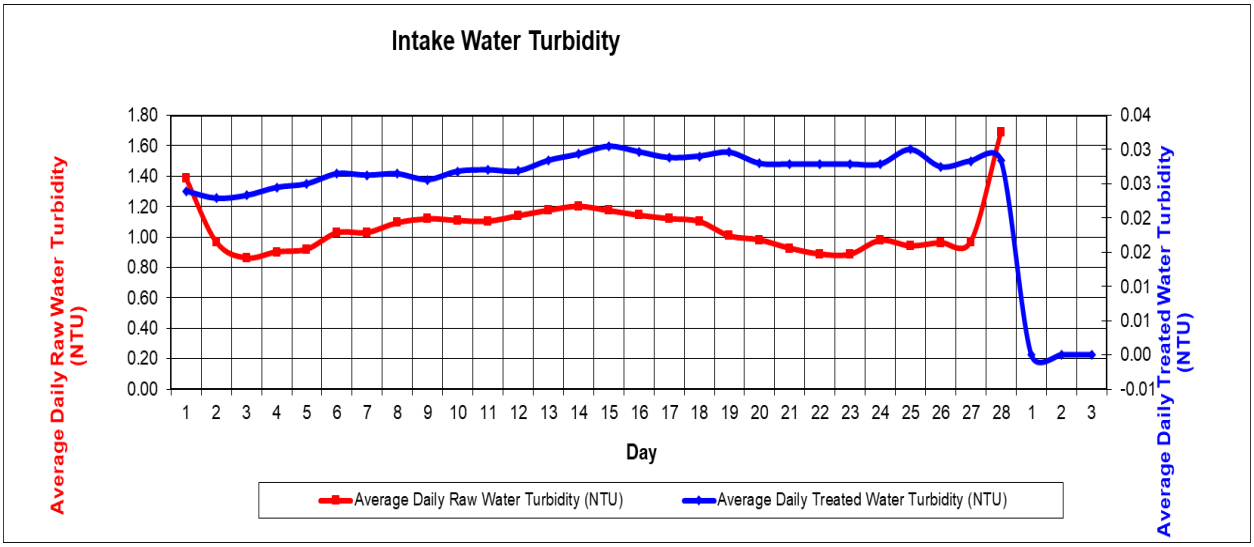
Water Quality Summary

February 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
February 1, 2025	1.04	4.01	1.39	0.02	0.02	0.02	0.77	2.83	1.38	1.06	1.12	1.08	7.71
February 2, 2025	0.82	3.57	0.97	0.02	0.02	0.02	0.81	2.87	1.38	1.06	1.12	1.08	7.71
February 3, 2025	0.77	2.90	0.86	0.02	0.02	0.02	0.41	3.14	1.35	1.02	1.12	1.06	7.71
February 4, 2025	0.81	2.10	0.90	0.02	0.02	0.02	0.17	2.59	1.31	0.91	1.02	0.94	7.70
February 5, 2025	0.85	1.98	0.92	0.02	0.03	0.02	0.57	2.81	1.33	0.87	0.95	0.90	7.69
February 6, 2025	0.89	2.14	1.03	0.00	0.03	0.03	0.77	2.71	1.32	0.11	0.93	0.81	7.60
February 7, 2025	0.97	1.82	1.03	0.03	0.03	0.03	0.04	4.52	1.35	0.73	0.93	0.80	7.48
February 8, 2025	1.03	1.94	1.09	0.03	0.03	0.03	0.79	2.69	1.37	0.87	0.92	0.89	7.50
February 9, 2025	1.04	3.30	1.12	0.02	0.03	0.03	0.84	2.71	1.37	0.86	0.93	0.89	7.49
February 10, 2025	0.99	2.17	1.11	0.02	0.04	0.03	0.03	4.79	1.37	0.88	0.97	0.92	7.62
February 11, 2025	1.01	2.12	1.10	0.03	0.03	0.03	0.11	3.09	1.36	0.91	1.02	0.93	7.70
February 12, 2025	1.02	3.23	1.14	0.03	0.03	0.03	0.31	4.01	1.37	0.87	0.99	0.92	7.71
February 13, 2025	1.04	2.50	1.18	0.03	0.03	0.03	0.74	2.78	1.37	0.91	0.98	0.94	7.70
February 14, 2025	1.12	2.19	1.20	0.03	0.04	0.03	0.05	4.96	1.37	0.89	1.04	0.95	7.69
February 15, 2025	1.11	2.48	1.17	0.03	0.03	0.03	0.74	2.96	1.37	0.96	1.04	1.00	7.71
February 16, 2025	1.06	3.91	1.14	0.03	0.03	0.03	0.79	2.87	1.37	0.94	1.02	0.98	7.71
February 17, 2025	1.06	2.00	1.12	0.03	0.03	0.03	0.77	2.97	1.37	0.93	1.00	0.96	7.70
February 18, 2025	1.03	2.65	1.10	0.03	0.03	0.03	0.58	2.90	1.37	0.96	1.08	1.02	7.70
February 19, 2025	0.94	2.07	1.01	0.03	0.03	0.03	0.80	2.82	1.38	0.95	1.03	0.99	7.70
February 20, 2025	0.93	3.10	0.98	0.03	0.03	0.03	0.84	2.91	1.37	0.88	1.11	0.94	7.69
February 21, 2025	0.86	1.86	0.93	0.03	0.03	0.03	0.61	3.21	1.37	0.90	0.97	0.93	7.73
February 22, 2025	0.81	1.95	0.89	0.03	0.03	0.03	0.77	2.83	1.37	0.88	1.04	0.92	7.71
February 23, 2025	0.83	1.87	0.88	0.03	0.03	0.03	0.52	3.31	1.37	0.84	0.99	0.88	7.72
February 24, 2025	0.89	1.92	0.98	0.03	0.03	0.03	0.25	4.15	1.37	0.83	0.95	0.89	7.70
February 25, 2025	0.49	1.93	0.94	0.03	0.03	0.03	0.18	4.24	1.37	0.82	0.98	0.88	7.73
February 26, 2025	0.91	1.77	0.96	0.03	0.03	0.03	0.15	5.83	1.37	0.83	1.00	0.89	7.71
February 27, 2025	0.91	1.74	0.97	0.03	0.03	0.03	0.74	3.12	1.37	0.84	1.01	0.88	7.72
February 28, 2025	0.94	1.69	1.69	0.03	0.03	0.03	0.01	5.15	5.15	0.81	0.96	0.96	8.57

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
1.06	0.03	1.50	0.94	7.71



Powers Creek Water Treatment Plant

Water Quality Summary

February 2025

Finished Water Turbidity

High: **0.04 NTU** Low: **0.00 NTU** Average: **0.03 NTU**

Chemical Usage

Month Totals	7210A Total (L)	PACl Total (L)	Chlorine (Kg)	7660A (L)	NaOH Total (L)
	46.39	5,518.45	331.65	302.74	3,678.73

Operational Highlights:

Demand for February was 177,728 **M^3** compared to February 2024 demand of 183,202**M^3**

- **Regular and routine maintenance around PCWTP**
  - Annual maintenance on UV system, changed out 2 bulbs – Feb 4th
  - Annual Fire Extinguisher check by contractor – Feb 6th
  - DAF polymer make down system clean & flush – Feb 6th
  - Centrifuge polymer make down system clean & flush – Feb 7th
  - Annual Caustic pump maintenance – Feb 10th & 11th
  - Changed out UV Optiview bulb – Feb 11th
  - Swapped out chlorine tonners and charged – Feb 11th & 12th
  - Replaced 20” backwash valve on DAF #6, contractor & staff – Feb 17th – 20th
  - Chemical delivery (PAC) – Feb 24th
  - Changed out all expired eyewash bottles – Feb 26th
  - Semi-annual floc tank & polymer system maintenance on train #2 – Feb 27th – 28th
  - Ongoing auto backwash work with Spartan – all month now completed
  - Automated Centrifuge control, done by Spartan – all month now complete
  - Ongoing Hypo conversion work with Maple Reinders – all month

- **Powers Creek Watershed inspections and maintenance**

  No Dam inspections done in February due to snow & ice
  - Snow course for Province done February 26th – Snow depth 110.3cm 108.55% of 44yr average & total water equivalent 175cm, 64.91% of 44yr average, for this time of year
  - Lambly Lake – changed Fuel Cell Feb 14th

WATER DISTRIBUTION

CITY OF
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KELOWNA

Power's Creek Water Service Area – Distribution System Monitoring

February 2025

Water Quality Data Review

- Based on the distribution system sample monitoring data it appears the water quality objectives were met for chlorine, turbidity and bacteriological parameters for the month. One exception on Feb 10th 2025 a lower free chlorine residual at the Old Okanagan sample station was noted to be 0.16mg/L due to the low water flow through the PRV during the winter months lending to chlorine decay.
    - Bacteriological Samples:
        - 18 samples to CARO for analysis
        - 6 samples analyzed in-house
        - All bacteriological samples came back at <1 CFU/100mL for Total Coliforms and <1CFU/100mL for *E.coli*
- February 10, 2025 – Bulk Water Station sample tap installed inside the station.

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.

Operational System Improvements/Events

- February 1, 2025 – Leak on 2" service line was identified on Brown Rd near intersection of Dobbin Rd and was temporally repaired however and second excavation will be needed to complete the job.
    - Feb 21, 2025 – Foreman visited all business owners individually and spoke with them regarding the pending main repair that will affect water service on March 4th.
    - Feb 27, 2025 – Letter was hand delivered to all business owners affected by the repair planned March 4th.
- February 5, 2025 – 3344 McIver Rd service leak between main and curb stop repaired.
- February 7, 2025 – 3634 Granada Cres, service leak repair on City side between main and curb stop. Planned future long sided service replacement.
- February 10, 2025 – 3468 McTaggart Rd service leak, repaired and planned future replacement of the line from main to curb stop.
- February 12, 2025 – 3325 McQueen Rd service leak, replacement service from main to curb stop.
- February 25, 2025 – Quarterly sampling was done including THMs, HAA, TOC, Metals and LSI

WQ Field Data and Online Data

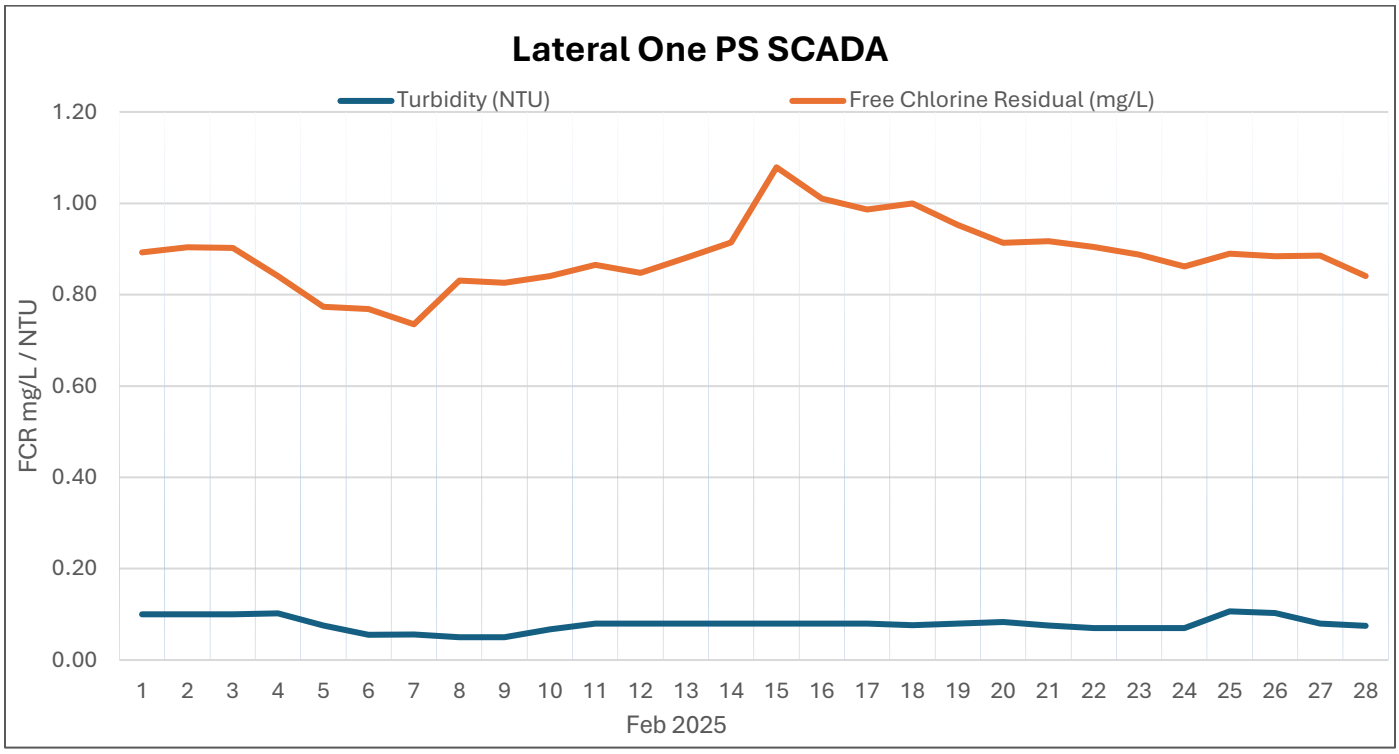
Lateral One PS

Lateral One PS Online Data

Date	L1 Water pH	L1 Turbidity	L1 Turbidity (Peak 1 Hr)	L1 Water Temp	L1 Chlorine Residual		
	Avg (pH)	Avg (NTU)	Max Based On 1 Hr Avg	Avg (°C)	Min (mg/L)	Max (mg/L)	Avg (mg/L)
February 2025							
1	7.67	0.10	0.10	5.07	0.82	0.94	0.89
2	7.68	0.10	0.10	4.95	0.83	0.95	0.90
3	7.68	0.10	0.10	4.98	0.81	0.95	0.90
4	7.66	0.10	0.15	4.18	0.73	0.90	0.84
5	7.63	0.08	0.10	3.27	0.71	0.84	0.77
6	7.65	0.06	0.06	3.42	0.71	0.84	0.77
7	7.65	0.06	0.07	3.35	0.54	0.82	0.74
8	7.64	0.05	0.05	3.32	0.73	0.89	0.83
9	7.64	0.05	0.05	2.48	0.76	0.88	0.83
10	7.71	0.07	0.11	3.27	0.75	0.91	0.84
11	7.76	0.08	0.08	3.17	0.79	0.94	0.87
12	7.79	0.08	0.08	2.94	0.77	0.93	0.85
13	7.81	0.08	0.08	3.05	0.81	0.93	0.88
14	7.83	0.08	0.08	3.02	0.79	30.00	0.91
15	7.86	0.08	0.08	3.03	0.98	1.17	1.08
16	7.84	0.08	0.08	3.07	0.92	1.08	1.01
17	7.82	0.08	0.08	3.04	0.90	1.04	0.99
18	7.82	0.08	0.08	3.74	0.90	1.05	1.00
19	7.83	0.08	0.09	5.01	0.86	1.03	0.95
20	7.87	0.08	0.09	5.25	0.85	0.95	0.91
21	7.92	0.08	0.08	5.40	0.84	0.98	0.92
22	7.95	0.07	0.07	5.57	0.82	0.99	0.90
23	7.89	0.07	0.07	5.79	0.82	0.95	0.89
24	7.88	0.07	0.07	5.83	0.77	0.96	0.86
25	7.95	0.11	0.17	4.82	0.84	1.07	0.89
26	7.91	0.10	0.13	3.95	0.84	0.90	0.88
27	7.88	0.08	0.08	4.00	0.84	0.90	0.89
28	7.90	0.07	0.08	4.28	0.74	0.90	0.84
Total							
Average	7.79	0.08	0.09	4.04	0.80	1.99	0.89
Min	7.63	0.05	0.05	2.48	0.54	0.82	0.74
Max	7.95	0.11	0.17	5.83	0.98	30.00	1.08

Lateral One PS Field Data

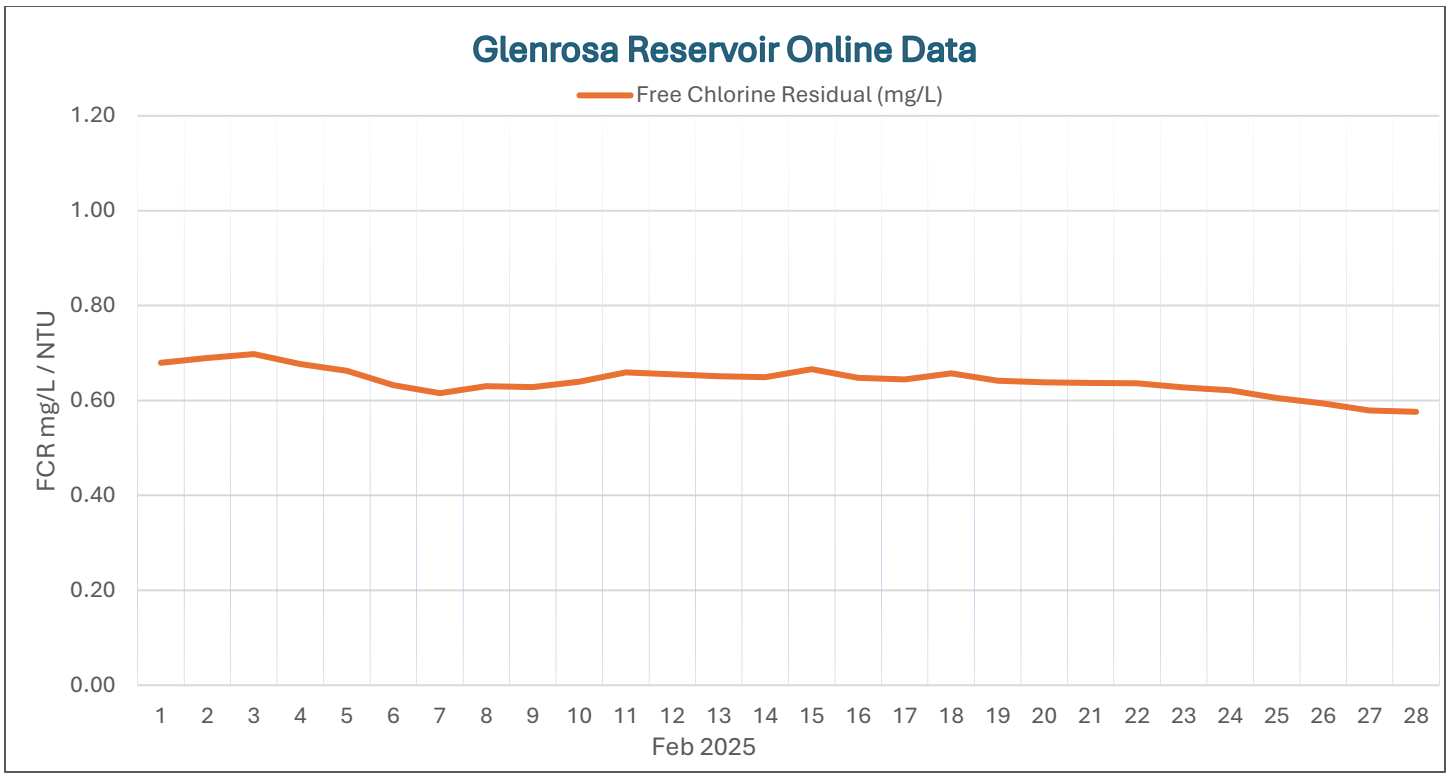
Date	Turbidity		Water Temp	Free Chlorine Residual		pH
	Grab Sample (NTU)	Online (NTU)	Grab Sample (°C)	Grab Sample (mg/L)	Online Sample (mg/L)	Grab Sample
3-Feb-25	0.10	0.12	5.9	0.97	0.95	
5-Feb-25	0.10	0.08	2.5	0.84	0.78	
7-Feb-25	0.10	0.08	2.7	0.80	0.75	6.99
10-Feb-25	0.07	0.09	2.2	0.86	0.86	
12-Feb-25	0.06	0.08	2.0	0.90	0.87	7.83
14-Feb-25	0.15	0.08	2.0	0.83	0.89	7.79
18-Feb-25	0.08	0.08	1.4	0.94	1.01	
20-Feb-25	0.12	0.05	4.1	0.94	0.95	7.57
25-Feb-25	0.08	0.10	4.1	0.83	0.89	7.68
28-Feb-25	0.12		4.0	0.70		7.75
Average	0.10	0.08	3.09	0.86	0.88	7.60
Min	0.06	0.05	1.40	0.70	0.75	6.99
Max	0.15	0.12	5.90	0.97	1.01	7.83



Glenrosa PS & Reservoir

Glenrosa Pump Station & Reservoir Online Data

Date	Flow Total From PS	Peak Flow From PS	Reservoir Water pH	Reservoir Water Temp	Chlorine Residual		
	(ML)	Max (ML/Day)	Avg (pH)	Avg (°C)	Min (mg/L)	Max (mg/L)	Avg (mg/L)
February 2025							
1	3.22	5.05	7.59	2.07	0.60	0.93	0.68
2	1.72	5.05	7.59	2.02	0.60	0.95	0.69
3	1.81	5.05	7.60	1.98	0.61	0.95	0.70
4	1.84	5.04	7.60	1.92	0.61	0.90	0.68
5	1.68	4.38	7.60	1.84	0.58	4.86	0.66
6	1.55	4.39	7.60	1.84	0.57	0.81	0.63
7	3.24	4.39	7.59	1.79	0.55	0.85	0.62
8	1.83	4.39	7.60	1.79	0.53	0.86	0.63
9	3.54	4.38	7.59	1.76	0.54	0.87	0.63
10	5.30	4.39	7.62	1.73	0.00	0.95	0.64
11	1.82	4.39	7.68	1.69	0.54	0.99	0.66
12	1.80	4.12	7.70	1.66	0.54	0.97	0.66
13	1.58	4.12	7.70	1.68	0.54	1.00	0.65
14	1.61	4.13	7.72	1.70	0.53	0.94	0.65
15	1.61	4.13	7.73	1.74	0.54	1.03	0.67
16	3.06	4.12	7.73	1.81	0.54	0.96	0.65
17	1.53	4.13	7.74	1.85	0.54	0.94	0.64
18	1.61	4.50	7.75	1.88	0.54	0.99	0.66
19	1.50	4.41	7.76	1.93	0.55	0.95	0.64
20	1.51	4.44	7.78	2.00	0.55	1.01	0.64
21	1.53	4.46	7.83	2.05	0.54	0.98	0.64
22	3.08	4.43	7.85	2.13	0.54	1.12	0.64
23	1.59	4.52	7.87	2.21	0.53	1.11	0.63
24	1.54	4.40	7.88	2.30	0.52	1.00	0.62
25	1.49	5.03	7.90	2.37	0.52	1.09	0.61
26	1.66	5.06	7.91	2.44	0.51	1.00	0.59
27	1.46	5.04	7.92	2.51	0.50	1.00	0.58
28	1.67	5.03	7.94	2.62	0.49	1.13	0.58
Total	54	-------	-------	-------	-------	-------	-------
Average	2.05	4.54	7.73	1.98	0.53	1.11	0.64
Min	1.46	4.12	7.59	1.66	0.00	0.81	0.58
Max	5.30	5.06	7.94	2.62	0.61	4.86	0.70

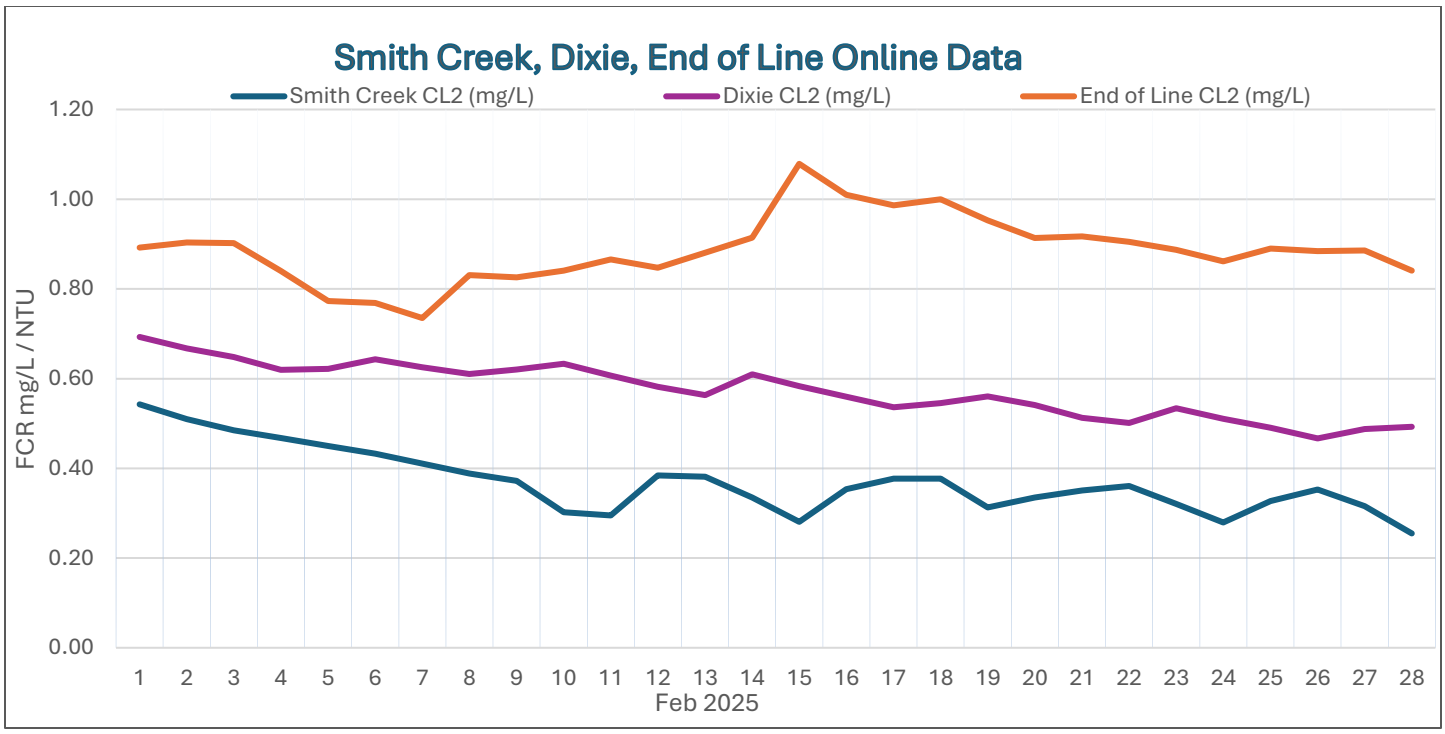


Glenrosa Reservoir Field Data

Date	Turbidity	Water Temp	Free Chlorine Residual		pH
	Grab Sample (NTU)	Grab Sample (°C)	Grab Sample (mg/L)	Online Sample (mg/L)	Grab Sample
3-Feb-25	0.08	2.00	0.64	0.65	
5-Feb-25	0.10	2.50	0.61	0.59	
7-Feb-25	0.12	1.60	0.77	0.75	6.99
12-Feb-25	0.05	1.70	0.56	0.56	7.65
14-Feb-25	0.16	1.80	0.47	0.55	7.68
18-Feb-25	0.20	1.90	0.53	0.60	7.73
20-Feb-25	0.58	2.00	0.69	0.58	7.26
24-Feb-25	0.07	2.30	0.52	0.53	7.80
28-Feb-25	0.30	3.20	0.82		7.65
Average	0.18	2.11	0.62	0.60	7.54
Min	0.05	1.60	0.47	0.53	6.99
Max	0.58	3.20	0.82	0.75	7.80

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

Date	Smith Creek Reservoir FCR Online Data			Dixie Reservoir FCR Online Data			End-of-The-Line FCR Online Data		
	Min (mg/L)	Max (mg/L)	Avg (mg/L)	Min (mg/L)	Max (mg/L)	Avg (mg/L)	Min (mg/L)	Max (mg/L)	Avg (mg/L)
February 2025									
1	0.51	0.57	0.54	0.67	0.72	0.69	0.62	0.64	0.63
2	0.48	0.53	0.51	0.65	0.68	0.67	0.63	0.71	0.68
3	0.46	0.51	0.48	0.62	0.67	0.65	0.68	0.71	0.70
4	0.45	0.50	0.47	0.58	0.64	0.62	0.67	0.71	0.69
5	0.43	0.46	0.45	0.56	11.82	0.62	0.58	0.67	0.64
6	0.41	0.46	0.43	0.59	0.68	0.64	0.53	0.59	0.56
7	0.39	0.42	0.41	0.59	0.64	0.63	0.51	0.55	0.54
8	0.37	0.40	0.39	0.59	0.62	0.61	0.50	0.53	0.51
9	0.29	0.40	0.37	0.57	0.66	0.62	0.53	0.61	0.57
10	0.26	0.34	0.30	0.62	0.64	0.63	0.58	0.61	0.59
11	0.25	0.39	0.30	0.58	0.63	0.61	0.57	0.60	0.59
12	0.37	0.40	0.38	0.56	0.59	0.58	0.57	0.62	0.60
13	0.30	0.40	0.38	0.54	0.62	0.56	0.58	0.60	0.59
14	0.30	0.39	0.34	0.59	0.62	0.61	0.60	0.63	0.61
15	0.26	0.32	0.28	0.56	0.61	0.58	0.59	0.61	0.61
16	0.30	0.37	0.35	0.54	0.57	0.56	0.61	0.67	0.64
17	0.35	0.40	0.38	0.52	0.56	0.54	0.63	0.70	0.66
18	0.30	0.40	0.38	0.51	0.59	0.55	0.63	0.68	0.66
19	0.29	0.35	0.31	0.54	0.58	0.56	0.63	0.65	0.63
20	0.29	0.37	0.34	0.52	0.56	0.54	0.62	0.68	0.64
21	0.34	0.37	0.35	0.48	0.53	0.51	0.61	0.65	0.63
22	0.29	0.37	0.36	0.47	0.55	0.50	0.62	0.64	0.63
23	0.29	0.35	0.32	0.51	0.55	0.53	0.59	0.63	0.62
24	0.26	0.32	0.28	0.49	0.53	0.51	0.57	0.60	0.59
25	0.30	0.35	0.33	0.47	0.51	0.49	0.56	0.58	0.58
26	0.00	0.37	0.35	0.45	0.48	0.47	0.00	0.60	0.59
27	0.26	0.35	0.32	0.44	0.51	0.49	0.55	0.59	0.57
28	0.23	0.28	0.25	0.48	0.51	0.49	0.55	0.59	0.58
Average	0.32	0.40	0.37	0.55	1.00	0.57	0.57	0.63	0.61
Min	0.00	0.28	0.25	0.44	0.48	0.47	0.00	0.53	0.51
Max	0.51	0.57	0.54	0.67	11.82	0.69	0.68	0.71	0.70



Date	Smith Creek Res Field Data				Smith Creek PS Field Data				
	Turbidity	Water Temp	Free Chlorine Residual	pH	Turbidity	Water Temp	Free Chlorine Residual		pH
	Grab Sample (NTU)	Grab Sample (Deg C)	Grab Sample (mg/L)	Grab Sample	Grab Sample (NTU)	Grab Sample (Deg C)	Grab Sample (mg/L)	Online Sample (mg/L)	Grab Sample
03-Feb-25	0.22	2.50	0.41		0.23	8.30	0.49	0.47	
05-Feb-25	0.13	2.70	0.43		0.28	8.50	0.50	0.44	
07-Feb-25	0.09		0.39	7.04	0.21	8.20	0.49	0.39	7.17
12-Feb-25	0.19	2.90	0.41		0.16	7.80	0.46	0.38	7.80
14-Feb-25	0.14	2.00	0.39		0.27	6.90	0.39	0.31	7.30
18-Feb-25	0.14	1.50	0.65	7.50	0.13	4.20	0.39	0.37	7.45
20-Feb-25	0.23	3.20	0.46	7.19	0.21	7.40	0.44	0.32	7.46
24-Feb-25	0.32	3.00	0.40	7.87	0.19	7.20	0.32	0.26	7.59
28-Feb-25					0.28	4.10	0.35		7.44
Average	0.18	2.54	0.44	7.40	0.22	6.96	0.43	0.37	7.46
Min	0.09	1.50	0.39	7.04	0.13	4.10	0.32	0.26	7.17
Max	0.32	3.20	0.65	7.87	0.28	8.50	0.50	0.47	7.80

Dixie Res Field Data

Date	Turbidity	Water Temp	Free Chlorine Residual	Analyser Free Residual	pH
	Grab Sample (NTU)	Grab Sample (Deg C)	Grab Sample (mg/L)	Online Sample (mg/L)	Grab Sample
03-Feb-25	0.21	5.3	0.55	0.63	
05-Feb-25	0.12	5.1	0.48	0.58	
07-Feb-25	0.13	5.1	0.50	0.61	7.20
12-Feb-25	0.13	4.7	0.48	0.56	
14-Feb-25	0.18	4.0	0.43	0.58	
18-Feb-25	0.22	4.2	0.37	0.55	7.71
20-Feb-25	0.14	4.4	0.44	0.52	7.42
24-Feb-25	0.12	4.7	0.46	0.48	7.84
28-Feb-25	0.18	4.3	0.43		7.30
Average	0.16	4.6	0.46	0.56	7.49
Min	0.12	4.0	0.37	0.48	7.20
Max	0.22	5.3	0.55	0.63	7.84

End-of-Line Field Data

Date	Turbidity	Water Temp	Free Chlorine Residual		pH
	Grab Sample (NTU)	Grab Sample (Deg C)	Grab Sample (mg/L)	Online Sample (mg/L)	Grab Sample
03-Feb-25	0.17	5.5	0.82	0.64	
10-Feb-25	0.07	9.4	0.63	0.6	
18-Feb-25	0.06	4.6	0.74	0.66	
25-Feb-25	0.14	4.6	0.6	0.58	7.58
Average	0.11	6.03	0.70	0.62	7.58
Min	0.06	4.60	0.60	0.58	7.58
Max	0.17	9.40	0.82	0.66	7.58

WQ Field Data

Old Okanagan SS, Webber SS & McIver SS

	Old Okanagan SS Field Data			Webber SS Field Data			McIver SS Field Data			
Date	**Turbidity**	**Water Temp**	**Free Chlorine Residual**	**Turbidity**	**Water Temp**	**Free Chlorine Residual**	**Turbidity**	**Water Temp**	**Free Chlorine Residual**	**pH**
	Grab Sample (NTU)	Grab Sample (°C)	Grab Sample (mg/L)	Grab Sample (NTU)	Grab Sample (°C)	Grab Sample (mg/L)	Grab Sample (NTU)	Grab Sample (°C)	Grab Sample (mg/L)	
03-Feb-25	0.16	8.90	0.54	0.19	3.40	0.76	0.07	3.40	0.70	
10-Feb-25	0.18	10.00	0.16	0.08	4.10	0.81	0.10	4.20	0.58	
18-Feb-25	0.29	8.10	0.23	0.07	2.70	0.68	0.11	2.80	0.55	
25-Feb-25	0.20	6.30	0.30	0.11	2.90	0.88	0.12	3.30	0.49	7.64
Average	0.21	8.33	0.31	0.11	3.28	0.78	0.10	3.43	0.58	7.64
Min	0.16	6.30	0.16	0.07	2.70	0.68	0.07	2.80	0.49	7.64
Max	0.29	10.00	0.54	0.19	4.10	0.88	0.12	4.20	0.70	7.64

Bulk Water Station Field Data

Date	**Turbidity**	**Water Temp**	**Free Chlorine Residual**	**pH**
	Grab Sample (NTU)	Grab Sample (°C)	Grab Sample (mg/L)	Grab Sample
3-Feb-25	0.14	5.20	0.69	
5-Feb-25	0.23	5.20	0.55	
7-Feb-25	0.13	5.90	0.49	
10-Feb-25	0.21	4.20	0.35	
12-Feb-25	0.10	5.90		
14-Feb-25	0.22	3.90	0.45	
18-Feb-25	0.29	5.50	0.37	
20-Feb-25	0.17	6.00	0.42	7.54
25-Feb-25	0.14	17.00	0.46	
Average	0.18	6.53	0.47	7.54
Min	0.10	3.90	0.35	7.54
Max	0.29	17.00	0.69	7.54

Disinfection Byproducts

Powers Creek Water Service Area - THM Results (mg/L)

	Lateral One	End-of-Line	McIver
14-Feb-24	0.0311	0.0423	0.0482
13-May-24	0.0211	0.0272	0.0281
12-Aug-24	0.0368	0.0475	0.0404
27-Nov-24	0.0218	0.0486	0.0552
25-Feb-25	0.0382	0.0402	0.0766
Average	0.0298	0.0412	0.0497

Powers Creek Water Service Area - HAA5 Results (mg/L)

	Lateral One	End-of-Line	McIver
14-Feb-24	0.0311	0.0423	0.0482
13-May-24	0.0211	0.0272	0.0281
12-Aug-24	0.0205	0.0242	0.0212
27-Nov-24	0.0264	0.0382	0.0476
25-Feb-25	0.0238	0.0300	0.0351
Average	0.0246	0.0324	0.0360

Manganese

Power's Creek Water Service Area - Manganese Results (mg/L)

Location	12-Aug-24	27-Nov-24	25-Feb-25	Average
Lateral One	0.0040	0.0038	0.0044	0.0041
McIver	0.0012	0.0026	0.0022	0.0020
End-of-Line	0.0013	0.0012	0.0073	0.0033