

CITY OF WEST KELOWNA

Monthly Water Quality Report



Powers Creek Water Service Area
November 2025

WATER SUPPLY AND TREATMENT





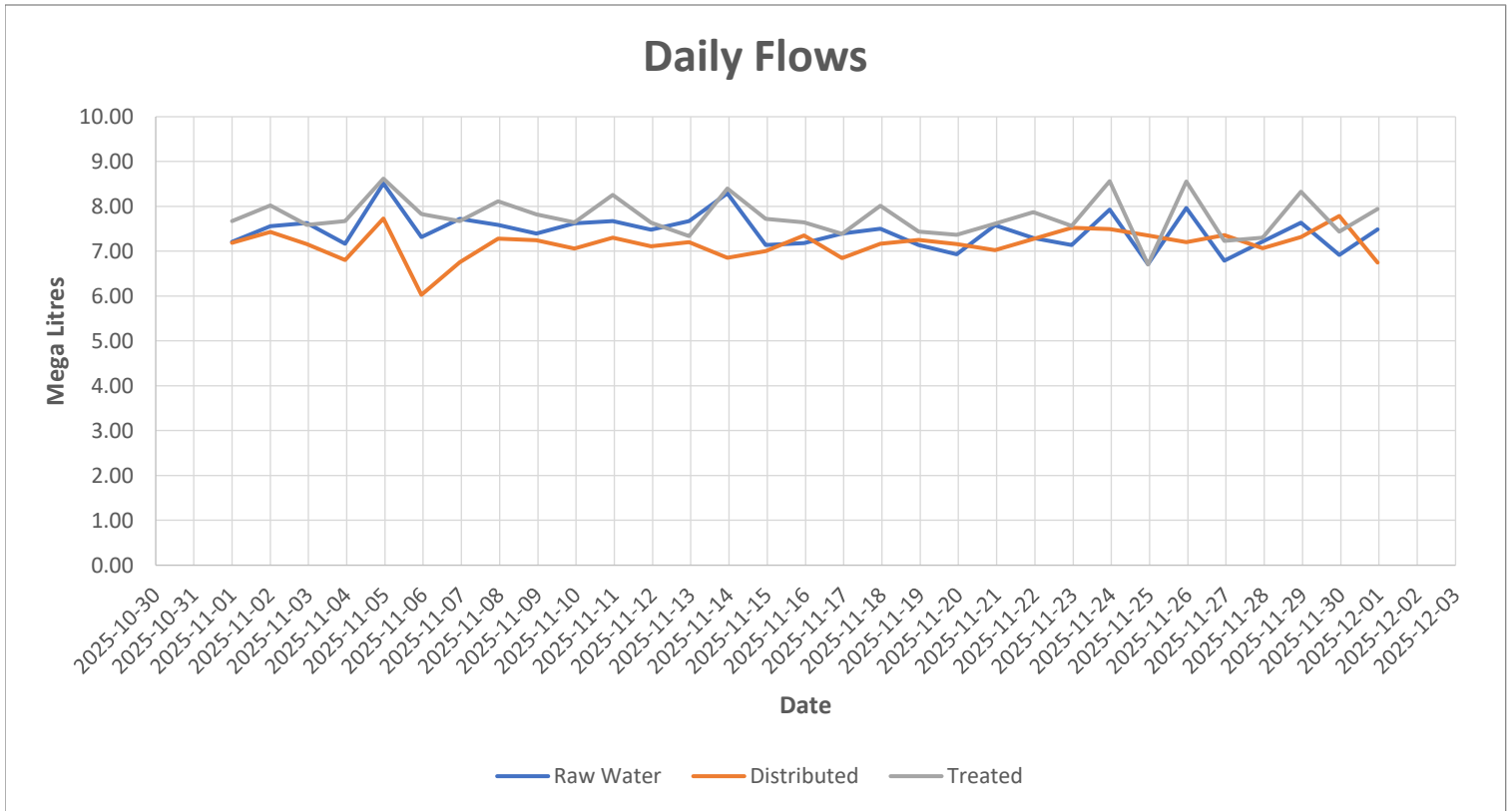
Powers Creek Water Treatment Plant Monthly Water Quality Summary

2025-12-03

November, 2025

Flow Demand:

	Total for Month
Raw Processed Water:	230.76 ML
Treated Water :	240.93 ML
Distributed Water :	222.04 ML
Backwash Water :	6.34 ML



Notes:

Raw Water Specifications:

Date	Raw Turbidity (NTU)			Raw pH		
	Min	Max	Average	Min	Max	Average
2025-11-01	0.38	2.42	0.57	7.69	7.76	7.72
2025-11-02	0.61	2.66	0.70	7.66	7.75	7.70
2025-11-02	0.31	3.41	0.47	7.65	7.75	7.70
2025-11-03	0.31	1.36	0.36	7.36	7.75	7.67
2025-11-04	0.36	1.78	0.48	7.69	7.74	7.71
2025-11-05	0.37	1.43	0.51	7.68	7.77	7.72
2025-11-06	0.44	2.23	0.56	7.67	7.77	7.71
2025-11-07	0.44	1.67	0.50	7.63	7.73	7.68
2025-11-08	0.52	1.29	0.67	7.64	7.75	7.69
2025-11-09	0.37	6.43	0.56	7.66	7.74	7.70
2025-11-10	0.37	1.51	0.44	7.64	7.74	7.69
2025-11-11	0.31	1.54	0.49	7.66	7.73	7.70
2025-11-12	0.37	1.29	0.45	7.59	7.79	7.67
2025-11-13	0.37	1.59	0.53	7.63	7.74	7.68
2025-11-14	0.55	2.17	0.70	7.62	7.72	7.67
2025-11-15	0.44	1.71	0.68	7.65	7.75	7.70
2025-11-16	0.42	2.67	0.71	7.66	7.74	7.70
2025-11-17	1.07	5.85	3.11	7.64	7.73	7.69
2025-11-18	0.88	20.00	9.19	7.38	7.71	7.54
2025-11-19	3.28	19.36	8.49	7.46	7.60	7.53
2025-11-20	0.77	3.34	1.61	7.54	7.84	7.69
2025-11-21	0.72	2.62	0.90	7.70	7.81	7.74
2025-11-22	0.53	2.84	1.07	7.69	7.75	7.72
2025-11-23	0.73	3.02	0.92	7.67	7.75	7.71
2025-11-24	0.66	2.44	0.73	7.62	7.75	7.68
2025-11-25	0.39	1.41	0.52	7.67	7.73	7.69
2025-11-26	0.35	1.29	0.42	7.66	7.73	7.69
2025-11-27	0.36	1.08	0.47	7.64	7.68	7.66
2025-11-28	0.46	1.42	0.60	7.66	7.72	7.68
2025-11-29	0.42	1.55	0.54	7.66	7.74	7.70
2025-11-30	0.36	0.62	0.45	7.69	7.74	7.71

Notes:

Raw Water Specifications (Continued):

Date	Raw Temp (°C)			Raw DOC (mg/L)		
	Min	Max	Average	Min	Max	Average
2025-11-01	3.82	4.83	4.37	6.91	7.66	7.33
2025-11-02	4.09	4.79	4.35	7.50	7.78	7.64
2025-11-02	3.61	4.31	3.89	7.03	7.68	7.48
2025-11-03	3.22	3.87	3.53	???	116.15	7.10
2025-11-04	3.07	3.59	3.23	6.47	6.82	6.70
2025-11-05	3.59	5.79	4.45	6.63	6.81	6.75
2025-11-06	4.78	5.80	5.26	6.81	7.12	6.92
2025-11-07	3.87	4.79	4.12	6.63	7.04	6.83
2025-11-08	3.73	4.24	3.93	6.59	6.91	6.74
2025-11-09	3.98	4.70	4.28	6.60	6.86	6.78
2025-11-10	4.36	4.69	4.53	6.72	6.83	6.78
2025-11-11	4.43	4.81	4.56	6.52	6.95	6.78
2025-11-12	4.80	5.76	5.17	-0.13	7.04	6.18
2025-11-13	5.39	5.97	5.68	7.06	7.28	7.16
2025-11-14	5.07	5.58	5.21	7.00	7.37	7.23
2025-11-15	5.13	5.71	5.37	7.18	7.41	7.31
2025-11-16	5.69	6.47	5.99	7.30	7.49	7.38
2025-11-17	5.89	6.68	6.35	7.43	9.83	8.90
2025-11-18	4.93	5.87	5.21	9.66	19.90	13.11
2025-11-19	4.49	4.97	4.77	9.35	15.06	11.32
2025-11-20	3.87	4.48	4.12	8.38	9.29	8.82
2025-11-21	4.26	4.71	4.45	8.18	8.43	8.31
2025-11-22	4.70	5.23	4.94	8.08	8.63	8.26
2025-11-23	4.60	6.73	4.85	8.25	51.03	8.43
2025-11-24	3.49	4.62	4.02	8.07	8.28	8.18
2025-11-25	3.23	3.50	3.36	7.94	8.14	8.05
2025-11-26	2.78	3.55	3.33	7.82	8.01	7.93
2025-11-27	2.34	2.79	2.55	???	8.73	6.60
2025-11-28	1.54	2.37	1.92	6.40	6.64	6.55
2025-11-29	1.23	1.54	1.39	6.50	6.74	6.63
2025-11-30	1.22	1.34	1.26	6.44	6.62	6.54

Notes:

Raw Water Specifications (Continued):

Date	Raw Cond ($\mu\text{S}/\text{cm}$)			Streaming Current		
	Min	Max	Average	Min	Max	Average
2025-11-01	85.89	88.88	87.42	37.08	55.15	47.87
2025-11-02	86.83	90.55	88.44	37.17	58.63	50.40
2025-11-02	81.62	91.41	89.46	4.03	60.71	53.14
2025-11-03	88.21	95.65	90.69	-30.89	133.88	43.85
2025-11-04	88.57	90.49	89.72	39.03	72.65	49.26
2025-11-05	87.32	92.36	88.98	28.45	62.71	42.54
2025-11-06	82.16	91.11	87.77	-18.90	48.19	14.58
2025-11-07	88.40	94.45	91.33	-5.17	19.44	6.48
2025-11-08	90.58	94.02	92.26	-5.93	15.74	6.75
2025-11-09	90.49	96.13	91.66	-44.94	23.32	6.38
2025-11-10	88.88	94.29	90.96	-11.34	14.52	4.83
2025-11-11	89.36	94.70	90.93	-7.98	21.30	5.84
2025-11-12	-0.04	93.49	74.97	-24.05	19.41	4.28
2025-11-13	86.84	89.59	88.13	-7.29	19.39	2.31
2025-11-14	89.93	92.06	90.61	-13.35	13.57	1.32
2025-11-15	91.07	95.21	93.40	-17.40	10.21	-1.81
2025-11-16	92.27	93.40	93.07	-16.06	9.40	-4.74
2025-11-17	88.07	92.62	89.98	-20.02	6.18	-5.91
2025-11-18	89.12	99.94	93.07	-15.28	20.58	0.29
2025-11-19	94.16	105.28	98.84	-66.01	10.26	-3.78
2025-11-20	0.17	102.02	98.74	-8.20	19.46	-3.74
2025-11-21	95.64	100.32	98.50	-7.29	4.06	-1.56
2025-11-22	94.05	101.19	97.66	-9.37	6.11	-1.09
2025-11-23	0.25	97.77	95.89	-6.00	7.30	0.20
2025-11-24	96.79	100.07	98.45	-5.19	11.45	2.64
2025-11-25	93.39	97.87	95.58	1.89	11.54	7.56
2025-11-26	93.37	98.01	95.75	-1.88	17.34	9.82
2025-11-27	93.61	95.60	94.73	1.05	25.37	11.19
2025-11-28	94.29	95.89	94.76	7.21	13.52	9.65
2025-11-29	96.72	99.16	97.49	1.08	17.41	9.97
2025-11-30	95.97	96.50	96.19	7.25	15.62	9.68

Notes:

Raw Water Specifications (Continued):

Date	Coagulated pH			Coagulated Temp (°C)		
	Min	Max	Average	Min	Max	Average
2025-11-01	7.22	7.29	7.25	4.24	5.22	4.74
2025-11-02	7.21	7.24	7.23	4.62	5.07	4.73
2025-11-02	7.19	7.26	7.23	3.57	4.56	4.17
2025-11-03	7.01	7.35	7.24	3.63	4.19	3.88
2025-11-04	7.28	7.33	7.31	3.57	3.94	3.74
2025-11-05	7.24	7.34	7.29	4.12	5.73	4.95
2025-11-06	7.19	7.31	7.25	5.46	6.14	5.66
2025-11-07	7.23	7.31	7.28	4.41	5.25	4.69
2025-11-08	7.28	7.31	7.30	4.33	4.61	4.45
2025-11-09	7.26	7.33	7.29	4.23	4.82	4.58
2025-11-10	7.27	7.32	7.30	4.45	4.68	4.53
2025-11-11	7.30	7.38	7.32	4.23	5.20	4.83
2025-11-12	7.28	7.33	7.31	5.25	14.54	6.25
2025-11-13	7.30	7.32	7.31	6.08	6.22	6.17
2025-11-14	7.28	7.34	7.32	6.01	6.14	6.05
2025-11-15	7.32	7.35	7.34	6.03	6.48	6.19
2025-11-16	7.33	7.37	7.34	6.54	7.14	6.80
2025-11-17	7.23	7.34	7.28	6.29	7.35	6.83
2025-11-18	7.23	7.30	7.27	5.51	6.00	5.69
2025-11-19	7.29	7.38	7.33	5.17	5.48	5.39
2025-11-20	???	7.36	7.25	4.68	15.85	5.01
2025-11-21	7.12	7.15	7.14	5.10	5.64	5.38
2025-11-22	7.11	7.16	7.14	5.78	6.12	5.95
2025-11-23	7.06	7.14	7.11	5.83	8.32	6.12
2025-11-24	7.12	7.14	7.13	4.87	5.54	5.36
2025-11-25	7.12	7.14	7.13	4.61	4.72	4.69
2025-11-26	7.12	7.17	7.14	4.39	5.00	4.79
2025-11-27	7.12	7.14	7.13	4.13	4.44	4.27
2025-11-28	7.14	7.17	7.16	3.55	4.05	3.75
2025-11-29	7.15	7.20	7.18	3.20	3.43	3.34
2025-11-30	7.19	7.31	7.23	3.16	3.28	3.20

Notes:

Train 1 Filter Turbidity (NTU):

Date	Filter 1			Filter 2			Filter 3		
	Min	Max	Average	Min	Max	Average	Min	Max	Average
2025-11-01	0.02	0.04	0.03	0.03	0.03	0.03	0.01	0.03	0.01
2025-11-02	0.03	0.03	0.03	0.03	0.04	0.03	0.01	0.05	0.02
2025-11-02	0.02	0.06	0.03	0.03	0.10	0.04	0.01	0.04	0.02
2025-11-03	0.02	0.06	0.02	0.02	0.05	0.03	0.02	0.04	0.02
2025-11-04	0.02	0.04	0.02	0.02	0.06	0.03	0.02	0.06	0.02
2025-11-05	0.03	0.03	0.03	0.03	0.05	0.03	0.02	0.03	0.02
2025-11-06	0.03	0.04	0.03	0.03	0.08	0.03	0.01	0.02	0.02
2025-11-07	0.03	0.04	0.03	0.02	0.04	0.03	0.02	0.03	0.02
2025-11-08	0.04	0.04	0.04	0.02	0.03	0.02	0.02	0.03	0.03
2025-11-09	0.02	0.07	0.03	0.02	0.05	0.03	0.03	0.03	0.03
2025-11-10	0.02	0.04	0.02	0.03	0.04	0.03	0.03	0.03	0.03
2025-11-11	0.02	0.06	0.03	0.03	0.09	0.04	0.02	0.08	0.03
2025-11-12	0.03	0.04	0.03	0.02	0.09	0.05	0.02	0.03	0.02
2025-11-13	0.03	0.03	0.03	0.02	0.06	0.03	0.01	0.02	0.02
2025-11-14	0.03	0.03	0.03	0.02	0.05	0.03	0.02	0.02	0.02
2025-11-15	0.03	0.03	0.03	0.02	0.05	0.03	0.02	0.03	0.02
2025-11-16	0.02	0.07	0.03	0.02	0.04	0.03	0.02	0.03	0.02
2025-11-17	0.02	0.02	0.02	0.03	0.04	0.03	0.02	0.03	0.03
2025-11-18	0.02	0.03	0.02	0.03	0.05	0.04	0.03	0.03	0.03
2025-11-19	0.02	0.03	0.02	0.03	0.05	0.04	0.03	0.03	0.03
2025-11-20	0.02	0.04	0.03	0.03	0.10	0.04	0.03	0.04	0.03
2025-11-21	0.03	0.04	0.03	0.02	0.03	0.03	0.03	0.03	0.03
2025-11-22	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03
2025-11-23	0.03	0.04	0.04	0.02	0.04	0.03	0.03	0.03	0.03
2025-11-24	0.03	0.04	0.04	0.03	0.06	0.04	0.01	0.12	0.03
2025-11-25	0.04	0.04	0.04	0.04	0.05	0.05	0.01	0.01	0.01
2025-11-26	0.04	0.07	0.04	0.04	0.11	0.05	0.01	0.03	0.01
2025-11-27	0.04	0.05	0.04	0.03	0.05	0.04	0.01	0.03	0.02
2025-11-28	0.04	0.05	0.04	0.02	0.04	0.03	0.02	0.02	0.02
2025-11-29	0.04	0.05	0.04	0.03	0.08	0.03	0.02	0.03	0.02
2025-11-30	0.04	0.05	0.04	0.03	0.04	0.03	0.02	0.06	0.02

Notes:

Train 2 Filter Turbidity (NTU)

Date	Filter 4			Filter 5			Filter 6		
	Min	Max	Average	Min	Max	Average	Min	Max	Average
2025-11-01	0.04	0.05	0.04	0.04	0.05	0.05	0.02	0.03	0.02
2025-11-02	0.03	0.06	0.04	0.04	0.04	0.04	0.02	0.05	0.03
2025-11-02	0.04	0.04	0.04	0.04	0.04	0.04	0.02	0.04	0.03
2025-11-03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
2025-11-04	0.03	0.05	0.04	0.04	0.05	0.04	0.03	0.08	0.04
2025-11-05	0.04	0.05	0.04	0.04	0.04	0.04	0.03	0.06	0.03
2025-11-06	0.03	0.14	0.04	0.06	0.06	0.05	0.03	0.06	0.04
2025-11-07	0.03	0.06	0.03	0.04	0.04	0.04	0.04	0.05	0.04
2025-11-08	0.03	0.04	0.03	0.04	0.04	0.04	0.04	0.05	0.04
2025-11-09	0.03	0.05	0.04	0.04	0.17	0.05	0.05	0.05	0.05
2025-11-10	0.04	0.05	0.04	0.03	0.06	0.04	0.05	0.05	0.05
2025-11-11	0.04	0.05	0.04	0.03	0.04	0.04	0.03	0.11	0.04
2025-11-12	0.03	0.05	0.04	0.03	0.08	0.04	0.02	0.03	0.03
2025-11-13	0.04	0.05	0.04	0.03	0.06	0.03	0.02	0.04	0.03
2025-11-14	0.04	0.07	0.04	0.02	0.03	0.03	0.03	0.04	0.04
2025-11-15	0.04	0.04	0.04	0.03	0.03	0.03	0.04	0.04	0.04
2025-11-16	0.03	0.12	0.04	0.03	0.03	0.03	0.04	0.07	0.04
2025-11-17	0.02	0.03	0.03	0.04	0.04	0.04	0.04	0.08	0.05
2025-11-18	0.02	0.03	0.02	0.06	0.06	0.06	0.04	0.05	0.05
2025-11-19	0.02	0.04	0.03	0.05	0.06	0.05	0.05	0.05	0.05
2025-11-20	0.02	0.06	0.03	0.04	0.11	0.04	0.04	0.05	0.05
2025-11-21	0.03	0.04	0.03	0.03	0.03	0.04	0.05	0.05	0.05
2025-11-22	0.02	0.03	0.03	0.02	0.05	0.03	0.05	0.05	0.05
2025-11-23	0.03	0.03	0.03	0.03	0.03	0.03	0.05	0.12	0.09
2025-11-24	0.03	0.11	0.06	0.03	0.11	0.04	0.02	0.13	0.07
2025-11-25	0.08	0.08	0.08	0.04	0.04	0.04	0.02	0.03	0.02
2025-11-26	0.08	0.08	0.08	0.04	0.04	0.04	0.02	0.04	0.02
2025-11-27	0.08	0.08	0.08	0.04	0.11	0.04	0.02	0.06	0.02
2025-11-28	0.08	0.08	0.08	0.03	0.04	0.03	0.03	0.03	0.03
2025-11-29	0.08	0.08	0.08	0.02	0.06	0.03	0.03	0.03	0.03
2025-11-30	0.08	0.08	0.08	0.02	0.03	0.02	0.03	0.05	0.03

Notes:

UV Treatment:

	Average Flow	Avg Validated Dose	UV Availability
Date	(L/s)	(mj/cm2)	(%)
2025-11-01	109.67	21.15	99.93
2025-11-02	110.55	22.00	99.93
2025-11-02	110.87	20.30	99.93
2025-11-03	110.49	20.15	99.86
2025-11-04	111.51	21.70	91.53
2025-11-05	111.18	21.10	99.93
2025-11-06	111.78	21.00	99.93
2025-11-07	107.59	20.85	99.72
2025-11-08	110.79	21.20	99.93
2025-11-09	111.09	20.32	99.93
2025-11-10	111.51	21.00	99.93
2025-11-11	112.22	20.50	99.93
2025-11-12	111.05	20.70	99.93
2025-11-13	110.00	20.28	99.93
2025-11-14	111.17	21.50	99.93
2025-11-15	111.81	20.58	99.93
2025-11-16	112.18	20.48	99.93
2025-11-17	109.82	20.83	99.93
2025-11-18	110.74	21.52	99.93
2025-11-19	106.28	21.18	99.93
2025-11-20	98.08	21.42	99.93
2025-11-21	98.76	20.52	99.93
2025-11-22	99.14	20.80	99.93
2025-11-23	99.53	20.55	99.93
2025-11-24	98.85	21.69	99.93
2025-11-25	99.49	21.15	99.93
2025-11-26	98.82	21.28	99.93
2025-11-27	98.80	20.80	99.93
2025-11-28	99.80	99.93	99.93
2025-11-29	98.44	99.93	99.93
2025-11-30	100.07	???	???

Notes:

UV Transmittance %:

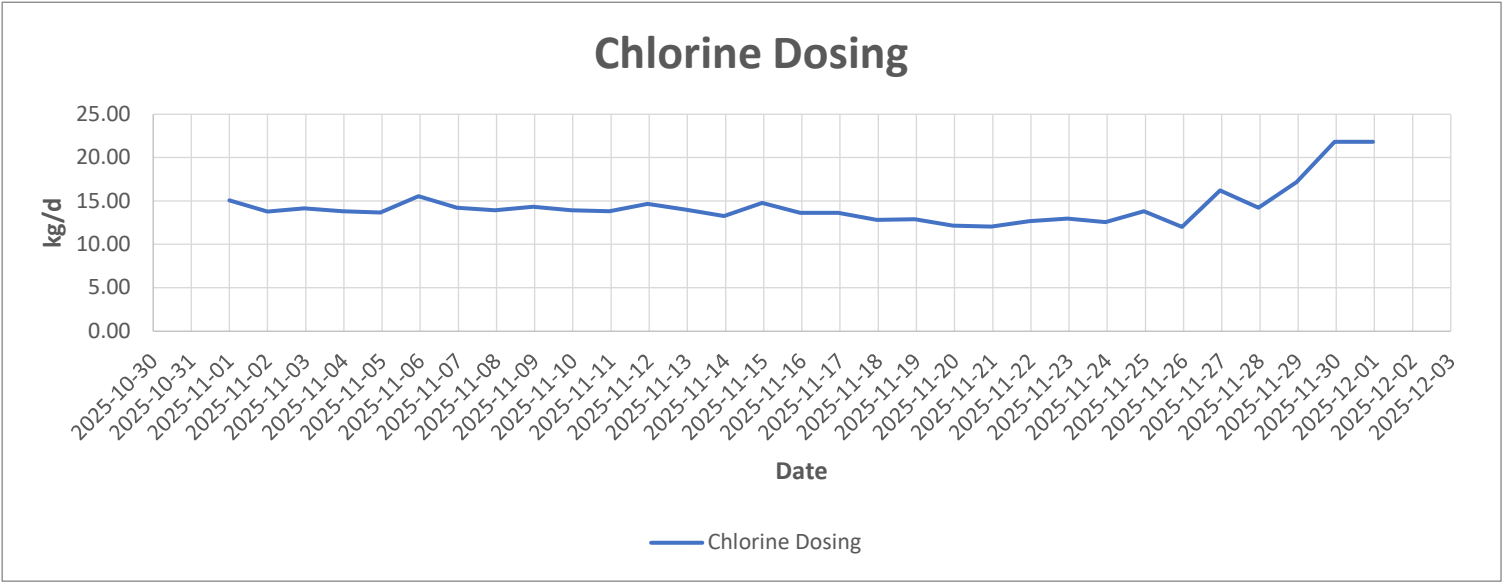
Date	Min	Max	Average
2025-11-01	89.90	94.20	90.56
2025-11-02	87.10	97.00	90.65
2025-11-02	87.60	94.20	90.76
2025-11-03	86.90	96.50	90.51
2025-11-04	90.20	92.00	90.65
2025-11-05	90.20	95.80	90.56
2025-11-06	89.80	90.70	90.37
2025-11-07	86.00	96.40	90.23
2025-11-08	88.20	97.40	89.60
2025-11-09	88.60	95.60	89.38
2025-11-10	88.10	96.40	89.86
2025-11-11	88.70	96.30	90.21
2025-11-12	88.40	97.30	90.22
2025-11-13	89.50	95.50	90.19
2025-11-14	89.50	96.90	90.24
2025-11-15	89.30	95.40	90.08
2025-11-16	88.30	96.90	89.97
2025-11-17	86.90	94.70	90.06
2025-11-18	87.80	91.10	89.66
2025-11-19	85.60	91.30	89.55
2025-11-20	84.40	91.80	89.47
2025-11-21	87.80	92.20	89.68
2025-11-22	88.60	93.50	89.87
2025-11-23	89.00	94.90	90.01
2025-11-24	87.60	94.70	90.00
2025-11-25	87.30	95.00	90.30
2025-11-26	89.40	96.70	90.40
2025-11-27	89.70	97.30	90.61
2025-11-28	89.50	92.10	90.54
2025-11-29	47.80	97.60	90.36
2025-11-30	89.40	94.70	90.34

Notes:

Chemical Demand:

Chlorine Used:

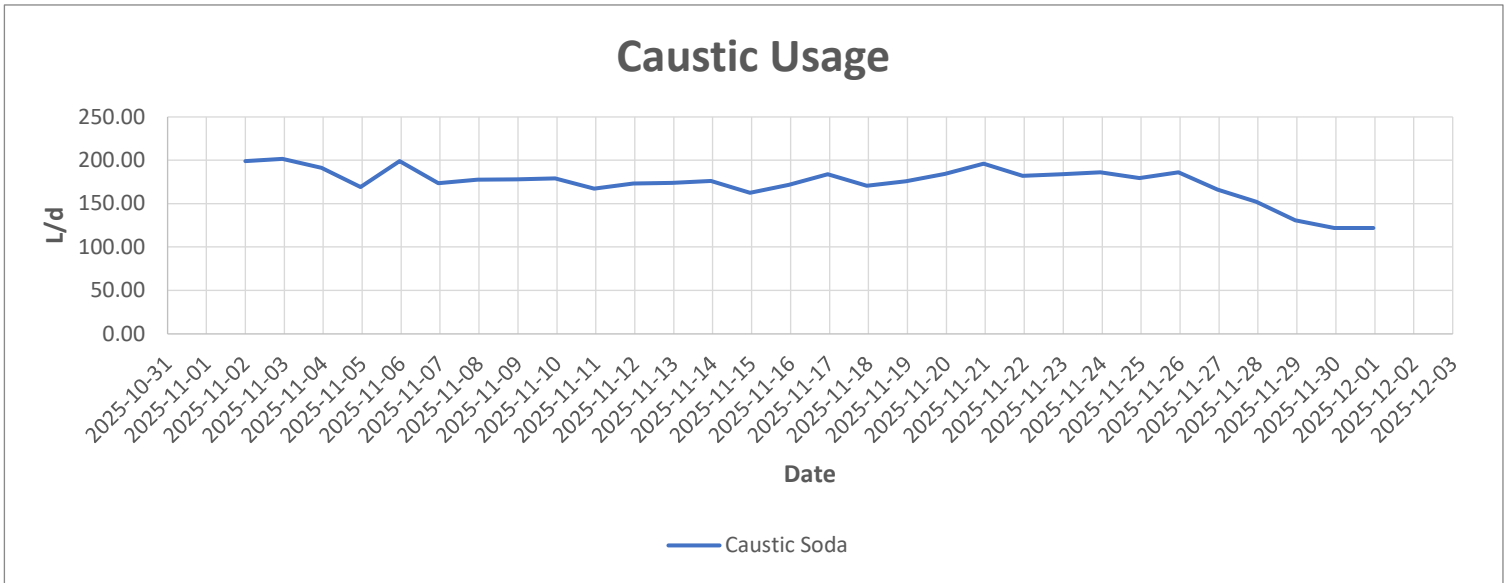
Total for Month
445.38 Kgs



Notes:

Caustic Soda Used:

Total for Month
5215.62 Litres

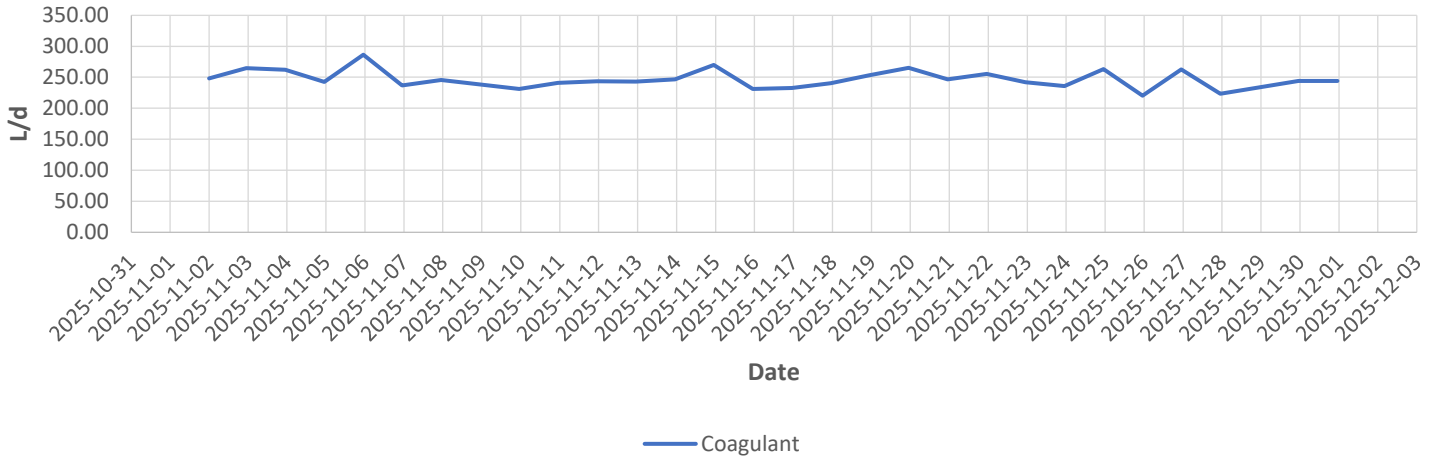


Notes:

Coagulant Used:

Total for Month
7394.49 Litres

Coagulant Usage



Notes:

DAF & Residual DAF Neat Polymer

Total for Month
76.63 L

Centrifuge Neat Polymer

Total for Month
245.82 L

Chlorine Dose

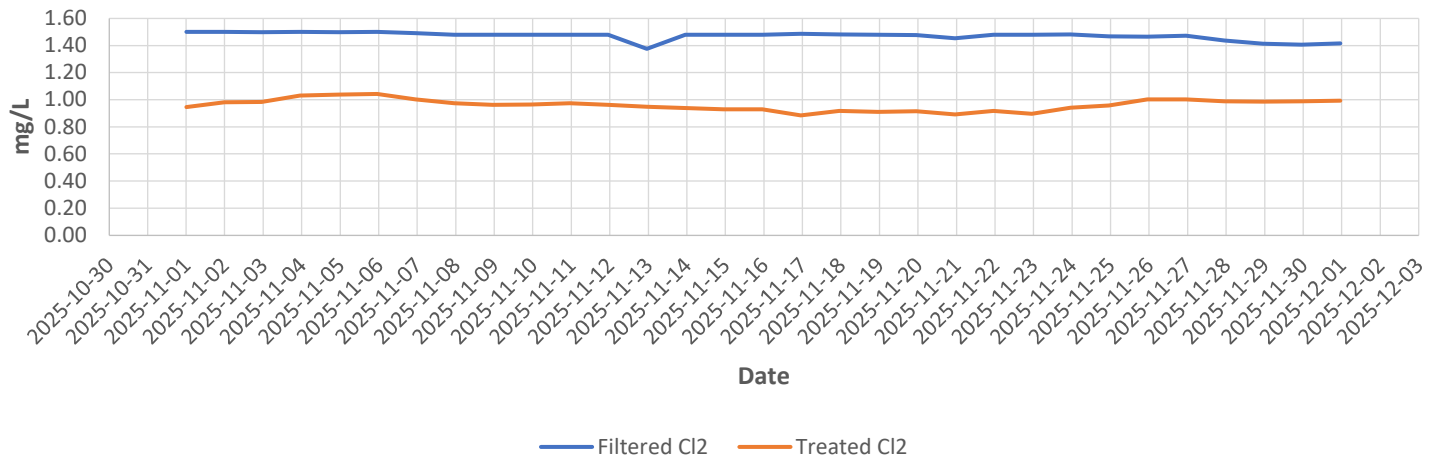
Filtered Water Residual Cl2 Average (mg/L):

1.47 mg/L

Treated Water (Distributed) Cl2 Average (mg/L):

0.96 mg/L

Average Residual CL2 Content

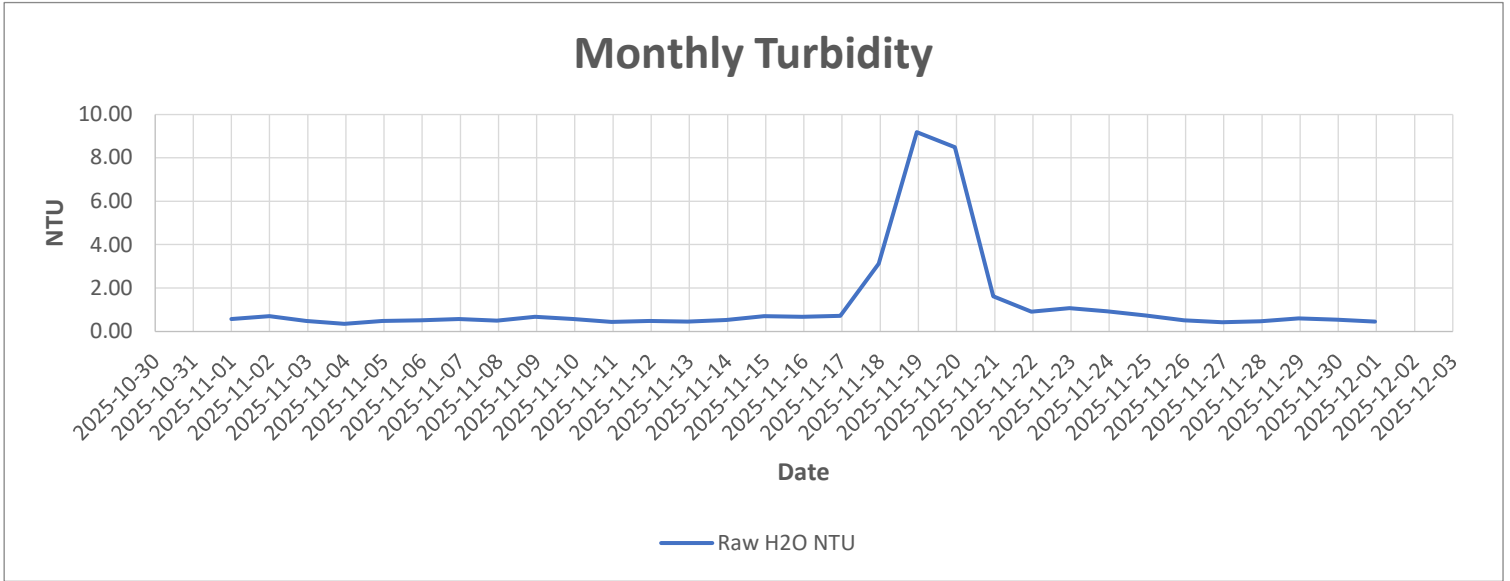


Water Quality Analytics:

Turbidity

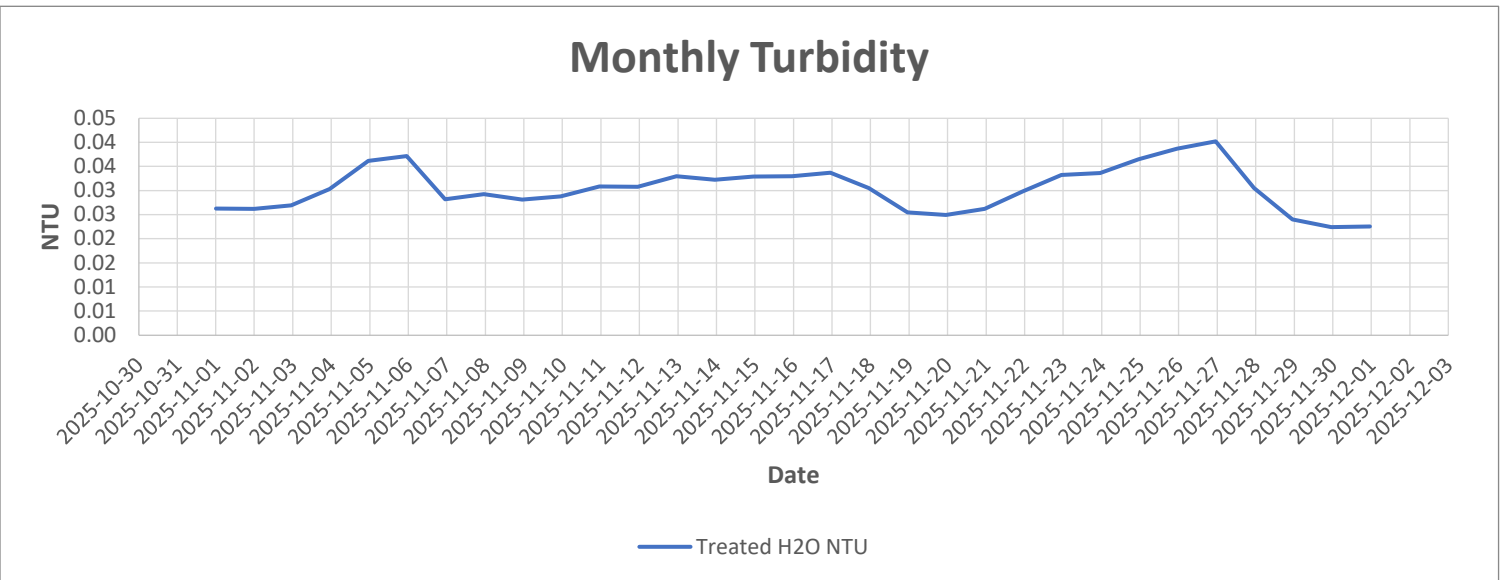
Raw Water Monthly Average:

1.24 NTU



Treated Water Monthly Average:

0.03 NTU



Notes:

Nov 18th - spike in raw water trubidity due to construction crew working on bypass before intake

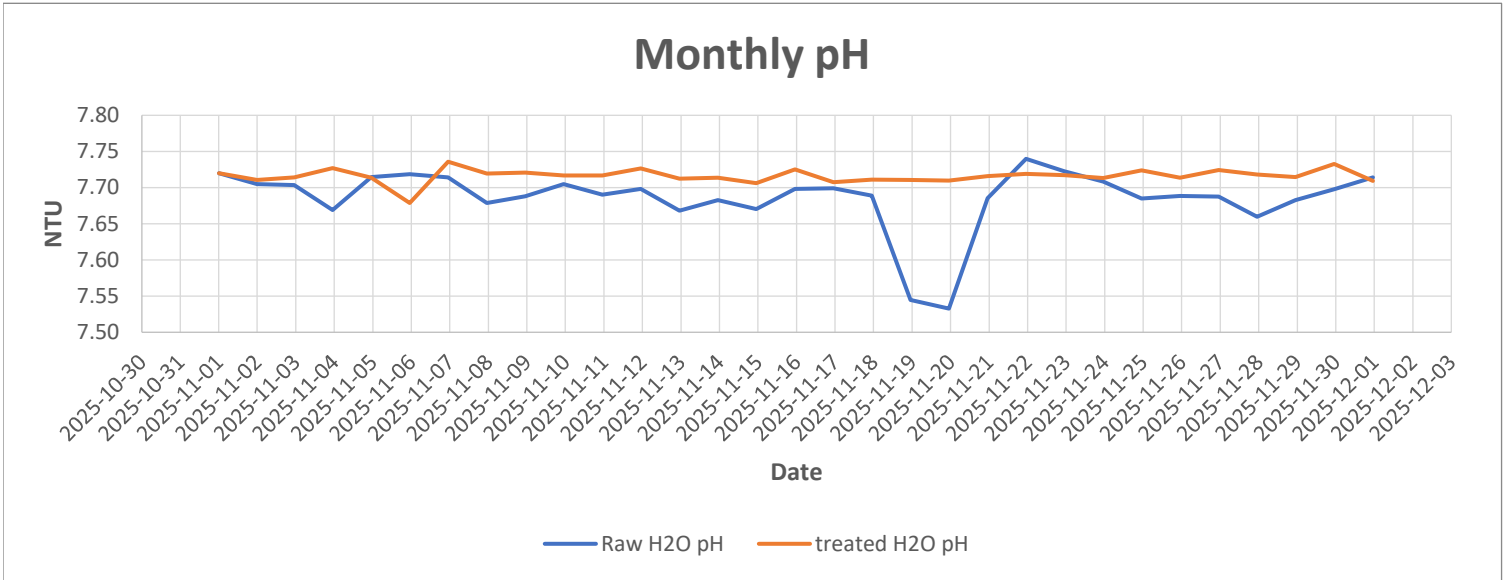
pH

Raw Water Monthly Average:

7.69 pH

Treated Water Monthly Average:

7.72 pH



Notes:

Nov 18-19 drop in raw water pH due to increased turbidity from construction crew work

Powers Creek WTP Operational Highlights:

Ongoing Hypochlorite Project by contractor, all month (currently working on deficiencies)

Nov 4th - planned outage for BCHYDRO 6hrs, plant ran on backup generator
Nov 4th - cleaned and calibrated DOC analyzer
Nov 5th - cleaned and rinsed CTF poly make down system
Nov 5th - scheduled compressor maintenance by contractor (Wiseworth)
Nov 12th - Chemical (PAC 4000B) bulk load delivery
Nov 13th - cleaned all rotameters & replaced all o-rings
Nov 13th - AECOM in to look at concrete in DAFs
Nov 14th - 20th - construction crew working on bypass headwall and road
Nov 18th - flushed and cleaned streaming current
Nov 18th - flushed and cleaned all DAF NTU analyzers
Nov 18th - upgrade software to treated water NTU analyzer leaving reservoir
Nov 19th - cleaned and rinsed residual DAF, floc tanks & launders
Nov 20th - fire inspection and fire drill
Nov 21st - cleaned and calibrated all pH probes
Nov 24th - Hypo system commissioning - water testing
Nov 24th - scheduled maintenance of HVAC system by contractor (CARE Systems)
Nov 25th - Dec 1st - DAF #4 changing valve (contractor and millwright)
Nov 26th - Hypo system commissioning - 28day test began
Nov 27th - annual Backflow Assembly testing by Utilities Department
Nov 27th - Chemical (Caustic) bulk delivery
Nov 28th - cleaned and flushed DOC analyzer

Power Creek Watershed Operational Highlights:

Lambly

-Nov 18th Low battery alarm. Changed Fuel Cell
-Nov 24th Low battery alarm
-Nov 27th Had electrician up to look at EFOY nothing was found. We will remove the batteries for the winter, so they don't get damaged by freezing.

Jackpine

-Nov 27th Site check

Paynter - closed for season

Horseshoe

-Nov 27th Site check

Dobbin

-Nov 27th Site check

Tadpole

-Nov 27th Site check

Definitions:

UV Availability (%) - Calculated daily percentage of the time the UV is in operation divided by the time where there is flow going through the UV reactor. (Note: SCADA performing this calculation has a small error based on the time the values are pulled which does not allow the UV Availability to show 100% when the Reactor was operating for a full day without interruption (i.e. 99.93% represents a full day running without issue).

WATER DISTRIBUTION



Power's Creek Water Service Area – Distribution System Monitoring

November 2025

Water Quality Data Review

- Based on the Power's Creek Water Service Area distribution system grab sample data, it appears the turbidity, free-chlorine (FCR) and bacteriological results have met the Water Quality Objectives during the month of November.
- November Bacteriological Sampling Summary:
 - 16 samples to CARO for analysis
 - 8 samples analyzed in-house at RWTP
 - All bacteriological sample results were <1 CFU/100mL for Total Coliforms and <1 CFU/100mL for *E.coli*.
- November 10, 2025 – Glenrosa Reservoir FCR online analyzer calibration adjustment of 0.24mg/L increase.
- November 14, 2025 – Glenrosa Reservoir hypo stock strength was changed on PLC to 11%.
- November 17, 2025 – Smith Creek Pump Station FCR online analyzer calibration adjustment of 0.19mg/L decrease.
- November 28, 2025 – Glenrosa Reservoir hypo stock strength was changed to 8.8% and dosing was decreased to 0.60mg/L.

Operational System Improvements/Events

- November 4, 2025 – 2416 Quince Rd service line repair completed in conjunction with an excavation contractor, only one home affected by repair.
- November 5-6, 2025 – 2576 Neufeld Cres service line repair completed by City staff and contractor. This was a deep excavation in an area of the water system with high-pressure. The water main was throttled down, and positive pressure was maintained until the leak point was fully exposed to prevent contamination. The water services were isolated 2504-2594 Neufeld Cres prior to throttling the water main to complete the repair.
- November 18, 2025 – Glenrosa Reservoir valve exercising preformed and maintenance on the HMI controls for valving completed by Electrical Instrumentation Technician.
- November 20, 2025 – 3570 McIver Rd service line repair was completed by City staff and excavation contractor.
- November 22, 2025 – Glenrosa Reservoir power outage due to downed power pole from 10am to 4pm, reservoir levels were high enough to supply area with water during outage, once power was returned SCADA was confirmed to ensure everything was working correctly.

WQ Field and SCADA Data

Sampling Location Table:

Sample Name	Civic Address	Pressure Zone	WQ Sampling Rationale
Lateral One PS	3188 Shetler Dr	630	1 st Customer water quality check.
Glenrosa PS	3149 Coventry Cres	673	Mid system water quality check. Water quality distributed throughout Glenrosa area.
Glenrosa Res	3313 Glenrosa Rd	673	Mid system water quality check on reservoir. Re-chlorination occurring at this location.
Smith Creek PS &Res	2802 Smith Creek Rd	630	Mid system water quality check. Water quality distributed throughout Smith Creek and downtown Westbank area.
Dixie Res	2850 Dixie Rd	630	Mid system water quality check. Re-chlorination occurring at this location.
End-of-Line WQS	4119 Gellatly Rd	449	End system water quality check.
Mclver SS	3036 Mclver Rd	626	Mid system water quality check.
Bulk Water Stn	3020 Shannon Lake Rd	583	End system water quality check. Water quality for bulk water filling and free water available to public.

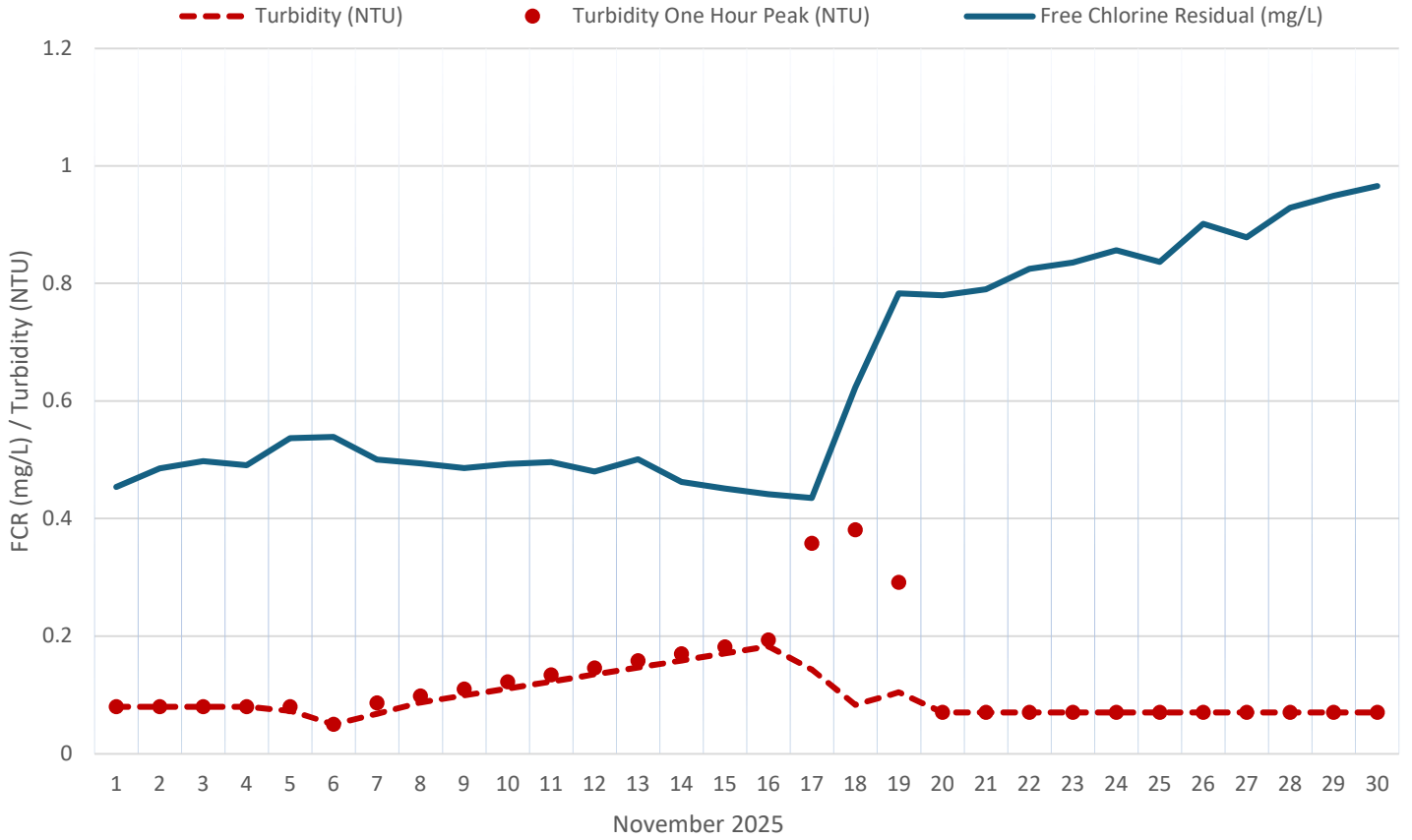
- **PS** = Pump Station
- **SS** = Sample Station
- **Res** = Reservoir
- **WQS** = Water Quality Station

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.

Lateral One PS

Lateral One PS Online Data							
Date	pH	Turbidity	Turbidity (Peak 1 Hr)	Temp	FCR		
	Avg (pH)	Avg (NTU)	Max Based On 1 Hr Avg	Avg (°C)	Min (mg/L)	Max (mg/L)	Avg (mg/L)
November 2025							
1	7.32	0.08	0.08	6.03	0.32	0.53	0.45
2	7.29	0.08	0.08	6.35	0.41	0.56	0.49
3	7.27	0.08	0.08	6.23	0.39	0.55	0.50
4	7.33	0.08	0.08	6.86	0.35	1.56	0.49
5	7.26	0.07	0.08	5.54	0.00	0.60	0.54
6	7.21	0.05	0.05	5.72	0.42	0.67	0.54
7	7.37	0.07	0.09	6.43	0.24	1.80	0.50
8	7.24	0.09	0.10	6.88	0.39	0.55	0.49
9	7.22	0.10	0.11	6.65	0.41	0.55	0.49
10	7.21	0.11	0.12	6.23	0.41	0.55	0.49
11	7.23	0.12	0.13	6.41	0.41	0.55	0.50
12	7.24	0.13	0.15	6.64	0.41	0.53	0.48
13	7.19	0.15	0.16	6.56	0.41	0.55	0.50
14	7.18	0.16	0.17	7.33	0.37	0.53	0.46
15	7.20	0.17	0.18	7.27	0.38	0.51	0.45
16	7.15	0.18	0.19	7.16	0.37	0.49	0.44
17	7.19	0.14	0.36	7.93	0.36	0.49	0.44
18	7.20	0.08	0.38	8.35	0.34	0.95	0.62
19	7.17	0.10	0.29	7.87	0.65	0.88	0.78
20	7.13	0.07	0.07	7.91	0.57	0.90	0.78
21	7.16	0.07	0.07	7.17	0.65	0.90	0.79
22	7.26	0.07	0.07	6.69	0.63	0.95	0.82
23	7.27	0.07	0.07	6.65	0.63	0.95	0.84
24	7.19	0.07	0.07	6.79	0.73	0.95	0.86
25	7.23	0.07	0.07	7.44	0.69	0.93	0.84
26	7.18	0.07	0.07	6.21	0.76	0.98	0.90
27	7.25	0.07	0.07	6.01	0.61	1.00	0.88
28	7.18	0.07	0.07	5.73	0.74	1.01	0.93
29	7.21	0.07	0.07	4.81	0.84	1.03	0.95
30	7.18	0.07	0.07	4.10	0.84	1.03	0.97
Average	7.22	0.09		6.60	0.49	0.80	0.64
Min	7.13	0.05		4.10	0.00	0.49	0.44
Max	7.37	0.18	0.38	8.35	0.84	1.80	0.97

Lateral One Online Data

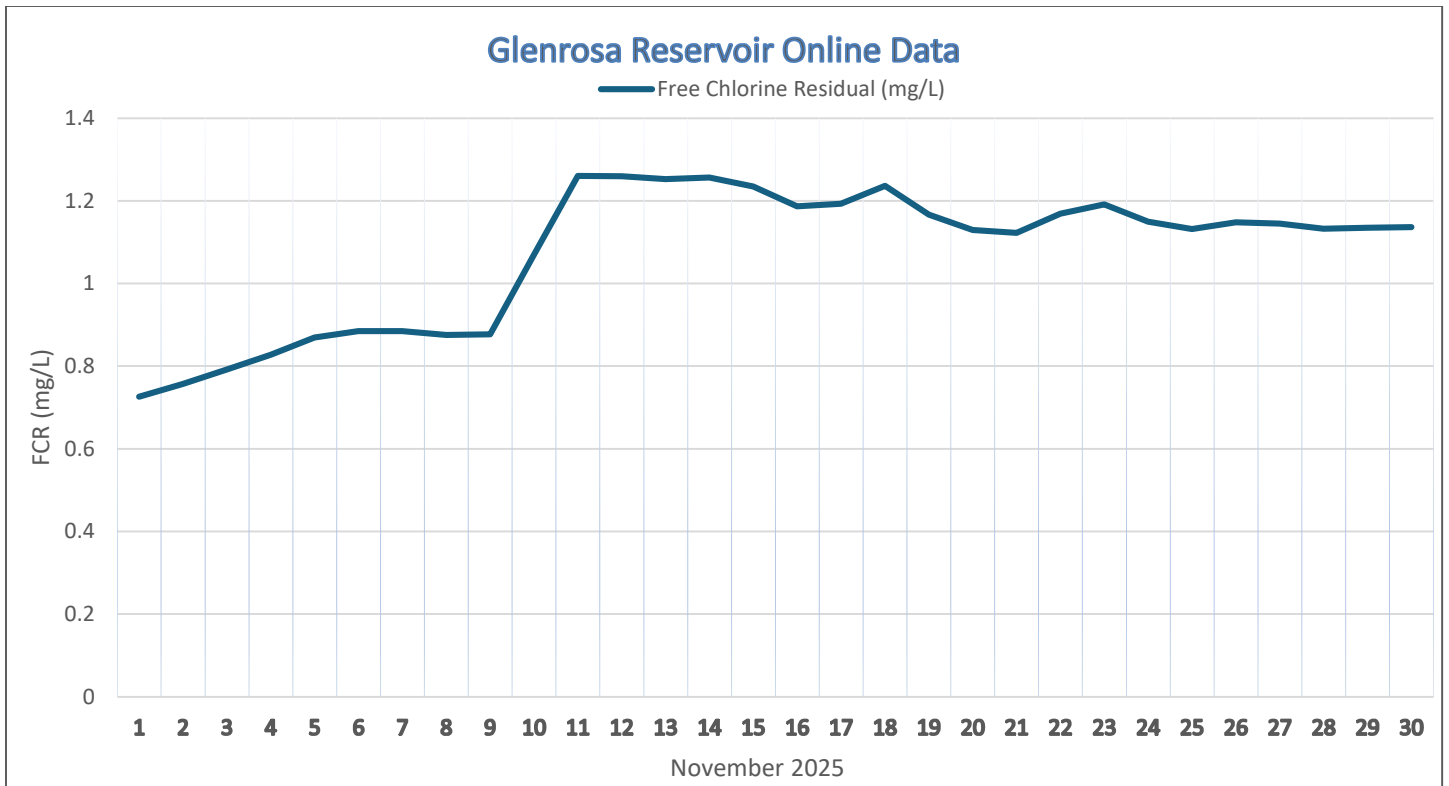


Lateral One PS Water Quality

Date	Turbidity		Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
04-Nov-25	0.19	0.09	8.6	0.62	0.45	7.87
12-Nov-25	0.46	0.07	5.6	0.90	0.53	7.63
18-Nov-25	0.23	0.19	6.4	0.89	0.90	7.38
25-Nov-25	0.14	0.08	8.6	0.80	0.78	7.56
# of Samples	4	4	4	4	4	4
Average	0.26	0.11	7.3	0.80	0.67	7.61
Range	0.14-0.46	0.07-0.19	5.6-8.6	0.62-0.9	0.45-0.9	7.38-7.87

Glenrosa PS & Reservoir

Glenrosa PS & Reservoir Online Data							
Date	Flow Total From PS	Peak Flow From PS	Reservoir pH	Reservoir Temp	FCR		
	(ML)	Max (ML/Day)	Avg (pH)	Avg (°C)	Min (mg/L)	Max (mg/L)	Avg (mg/L)
November 2025							
1	2.01	5.06	7.52	6.63	0.54	1.53	0.73
2	2.22	5.05	7.52	6.53	0.59	1.60	0.76
3	1.90	5.05	7.52	6.48	0.58	1.55	0.79
4	1.95	5.06	7.53	6.35	0.64	1.62	0.83
5	2.30	5.05	7.51	6.07	0.65	1.65	0.87
6	1.94	5.06	7.48	5.95	0.66	1.66	0.88
7	2.06	4.36	7.47	6.06	0.58	1.67	0.89
8	2.07	4.37	7.49	6.18	0.65	1.78	0.88
9	2.10	4.36	7.49	6.05	0.65	1.67	0.88
10	1.95	4.36	7.48	5.92	0.64	2.04	1.07
11	1.96	4.36	7.49	5.89	0.90	2.32	1.26
12	1.86	4.36	7.50	5.93	0.89	2.27	1.26
13	2.14	4.11	7.49	5.99	0.92	2.44	1.25
14	1.90	4.13	7.50	6.13	0.86	2.10	1.26
15	1.89	4.13	7.50	6.27	0.85	2.17	1.23
16	2.25	4.13	7.50	6.31	0.83	2.21	1.19
17	1.96	4.50	7.50	6.38	0.81		1.19
18	1.81	4.45	7.49	6.54	0.87	2.21	1.24
19	2.03	4.51	7.49	6.70	0.79	2.20	1.17
20	2.00	4.51	7.49	6.65	0.83	2.43	1.13
21	1.92	4.41	7.50	6.56	0.84		1.12
22	1.94	4.40	7.52	6.37	0.87		1.17
23	1.98	4.45	7.53	6.25	0.98	2.35	1.19
24	1.98	4.46	7.53	6.26	0.97	2.50	1.15
25	1.97	5.02	7.54	6.23	0.96	2.43	1.13
26	2.05	5.07	7.54	6.09	1.01	2.41	1.15
27	2.01	5.05	7.53	5.82	1.01	2.37	1.14
28	1.78	5.05	7.52	5.62	1.05	2.53	1.13
29	2.17	5.07	7.53	5.28	1.02	2.54	1.13
30	1.99	5.09	7.53	4.91	1.03	2.41	1.14
Total	58						
Average	2.00	4.63	7.51	6.15	0.81	2.71	1.07
Min	1.78	4.11	7.47	4.91	0.54	1.53	0.73
Max	2.30	5.09	7.54	6.70	1.05	2.54	1.26



NOTE:

- November 10, 2025 – Glenrosa Reservoir FCR online analyzer calibration adjustment of 0.24mg/L increase.
- November 14, 2025 – Glenrosa Reservoir hypo stock strength was changed on PLC to 11%.
- November 28, 2025 – Glenrosa Reservoir hypo stock strength was changed to 8.8% and dosing was decreased to 0.60mg/L.

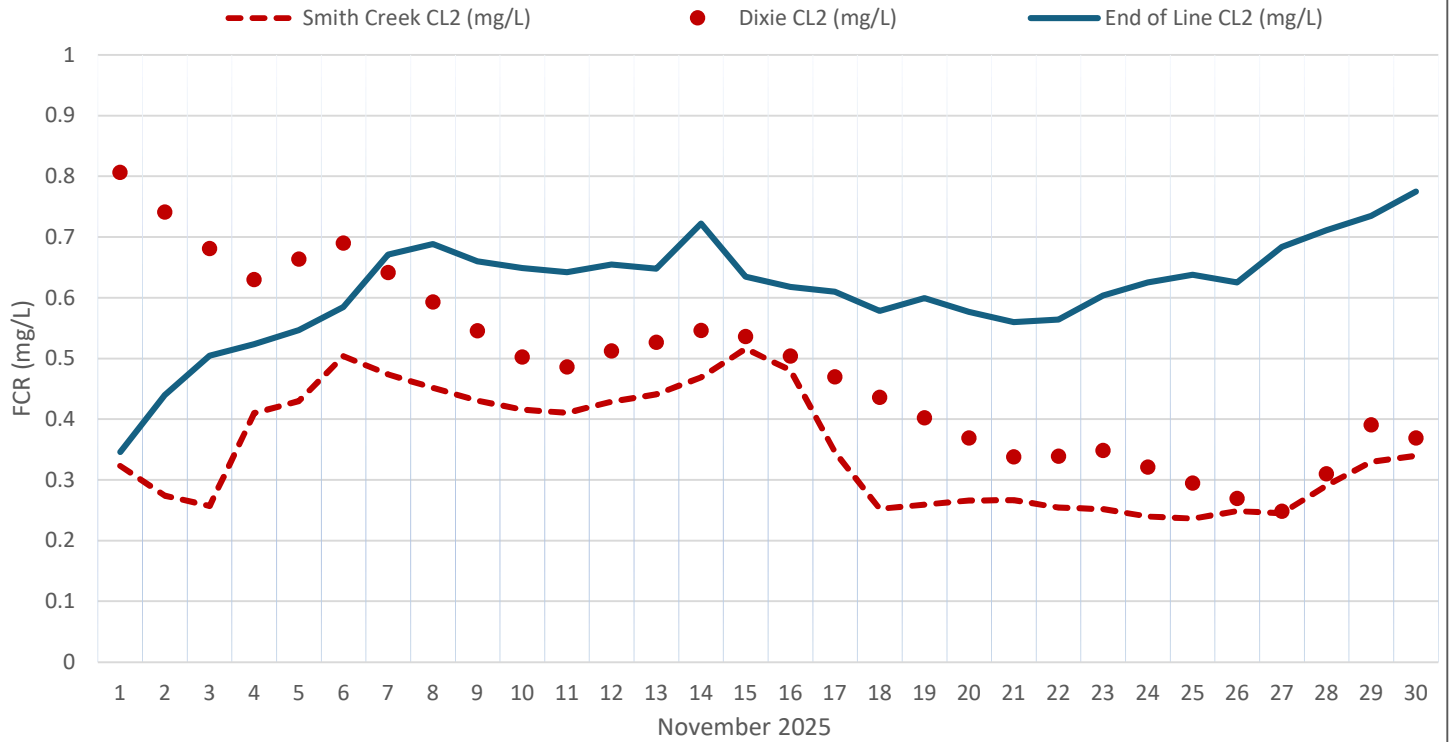
Smith Creek PS, Dixie Reservoir & End-of-Line WQS

Date	Smith Creek Reservoir FCR		
	Min (mg/L)	Max (mg/L)	Avg (mg/L)
November 2025			
1	0.29	0.37	0.32
2	0.25	0.30	0.27
3	0.25	0.28	0.26
4	0.25	0.98	0.41
5	0.00	0.51	0.43
6	0.48	0.52	0.50
7	0.45	0.51	0.47
8	0.43	0.47	0.45
9	0.41	0.45	0.43
10	0.40	0.44	0.42
11	0.37	0.50	0.41
12	0.37	0.44	0.43
13	0.41	0.53	0.44
14	0.44	0.55	0.47
15	0.48	0.53	0.52
16	0.45	0.50	0.48
17	0.24	0.48	0.35
18	0.24	0.27	0.25
19	0.24	0.28	0.26
20	0.23	0.44	0.27
21	0.25	0.28	0.27
22	0.25	0.30	0.25
23	0.24	0.26	0.25
24	0.23	0.24	0.24
25	0.23	0.32	0.24
26	0.24	0.26	0.25
27	0.24	0.27	0.25
28	0.21	0.48	0.29
29	0.29	0.39	0.33
30	0.31	0.35	0.34
Average	0.31	0.42	0.35
Min	0.00	0.24	0.24
Max	0.48	0.98	0.52

Dixie Reservoir FCR			
Min (mg/L)	Max (mg/L)	Avg (mg/L)	
0.76	0.88	0.81	
0.70	0.79	0.74	
0.65	0.72	0.68	
0.59	0.67	0.63	
0.45	0.73	0.66	
0.65	0.72	0.69	
0.61	0.68	0.64	
0.56	0.62	0.59	
0.52	0.57	0.55	
0.47	0.55	0.50	
0.44	0.53	0.49	
0.48	0.54	0.51	
0.47	0.57	0.53	
0.52	0.57	0.55	
0.51	0.57	0.54	
0.48	0.53	0.50	
0.45	0.50	0.47	
0.41	0.46	0.44	
0.37	0.42	0.40	
0.35	0.40	0.37	
0.32	0.36	0.34	
0.30	0.37	0.34	
0.32	0.37	0.35	
0.30	0.34	0.32	
0.27	0.32	0.29	
0.25	0.28	0.27	
0.23	0.26	0.25	
0.23	0.40	0.31	
0.37	0.40	0.39	
0.35	0.39	0.37	
Average	0.45	0.52	0.48
Min	0.23	0.26	0.25
Max	0.76	0.88	0.81

End of The Line FCR			
Min (mg/L)	Max (mg/L)	Avg (mg/L)	
0.33	0.42	0.35	
0.42	0.52	0.44	
0.48	0.54	0.50	
0.50	0.56	0.52	
0.47	0.68	0.55	
0.01	0.61	0.58	
0.60	0.73	0.67	
0.65	0.73	0.69	
0.63	0.68	0.66	
0.63	0.68	0.65	
0.63	0.66	0.64	
0.63	0.67	0.65	
0.63	0.67	0.65	
0.65	1.21	0.72	
0.60	0.67	0.63	
0.60	0.63	0.62	
0.59	0.62	0.61	
0.53	0.60	0.58	
0.58	0.62	0.60	
0.54	0.59	0.58	
0.53	0.58	0.56	
0.54	0.58	0.56	
0.58	0.62	0.60	
0.61	0.64	0.63	
0.62	0.66	0.64	
0.60	0.65	0.63	
0.64	0.72	0.68	
0.68	0.74	0.71	
0.69	0.75	0.73	
0.75	0.79	0.77	
Average	0.56	0.66	0.61
Min	0.01	0.42	0.35
Max	0.75	1.21	0.77

Smith Creek/Dixie/End of Line Online Data



NOTE:

- November 17, 2025 – Smith Creek Pump Station FCR online analyzer calibration adjustment of 0.19mg/L decrease.

End-of-Line WQS Water Quality

Date	Turbidity	Temp	FCR		pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
04-Nov-25	0.08	11.3	0.48	0.51	7.86
12-Nov-25	0.2	10.5	0.6	0.65	7.71
18-Nov-25	0.08	10.8	0.56	0.57	7.51
25-Nov-25	0.2	9.6	0.64	0.64	7.64
# of Samples	4	4	4	4	4
Average	0.14	10.6	0.57	0.59	7.68
Range	0.08-0.2	9.6-11.3	0.48-0.64	0.51-0.65	7.51-7.86

WQ Field Data

Mclver SS

Mclver SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
04-Nov-25	0.14	10.0	0.90	7.88
12-Nov-25	0.11	8.6	0.90	7.76
18-Nov-25	0.14	9.1	0.78	7.61
25-Nov-25	0.14	7.9	0.80	7.64
# of Samples	4	4	4	4
Average	0.13	8.9	0.85	7.72
Range	0.11-0.14	7.9-10.0	0.78-0.90	7.61-7.88

Bulk Water Station (Stn)

Bulk Water Station Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
04-Nov-25	0.17	12.9	0.46	7.8
12-Nov-25	0.39	9.8	0.43	
18-Nov-25	0.13	9.3	0.53	7.59
25-Nov-25	0.1	10.7	0.56	7.68
# of Samples	4	4	4	3
Average	0.20	10.7	0.50	7.69
Range	0.1-0.39	9.3-12.9	0.43-0.56	7.59-7.8

Disinfection Byproducts

Powers Creek Water Service Area - THM Results (mg/L) MAC=0.10mg/L

Date	Lateral One PS	End-of-Line	Mclver SS	Bulk Water Stn
25-Feb-25	0.0382	0.0402	0.0766	
27-May-25	0.0267	0.0412	0.0450	
19-Aug-25	0.0376	0.0365	0.0318	0.0574
25-Nov-25	0.0400	0.0475	0.0420	0.0541
Average	0.0356	0.0414	0.0489	0.0558

Powers Creek Water Service Area - HAA5 Results (mg/L) MAC=0.08mg/L

Date	Lateral One PS	End-of-Line	Mclver SS	Bulk Water Stn
25-Feb-25	0.0238	0.0300	0.0351	
27-May-25	0.0218	0.0308	0.0383	
19-Aug-25	0.0205	0.0312	0.0318	0.0277
25-Nov-25	0.0280	0.0359	0.0325	0.0376
Average	0.0235	0.0320	0.0344	0.0327

Manganese

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

Location	25-Feb-25	27-May-25	19-Aug-25	25-Nov-25	Average
Lateral One PS	0.00442	0.00284	0.00421	0.00500	0.00386
Mclver SS	0.00221	0.00901	0.00174	0.00294	0.00335
End-of-Line WQS	0.00733	0.00714	0.00158	0.00163	0.00371
Bulk Water Station			0.00569	0.00191	0.00569

MAC=0.12mg/L & AO=0.02mg/L