CITY OF WEST KELOWNA

Monthly Water Quality Report

Powers Creek Water Service Area

May 2026

WATER SUPPLY AND TREATMENT

CITY OF
WEST
KELOWNA

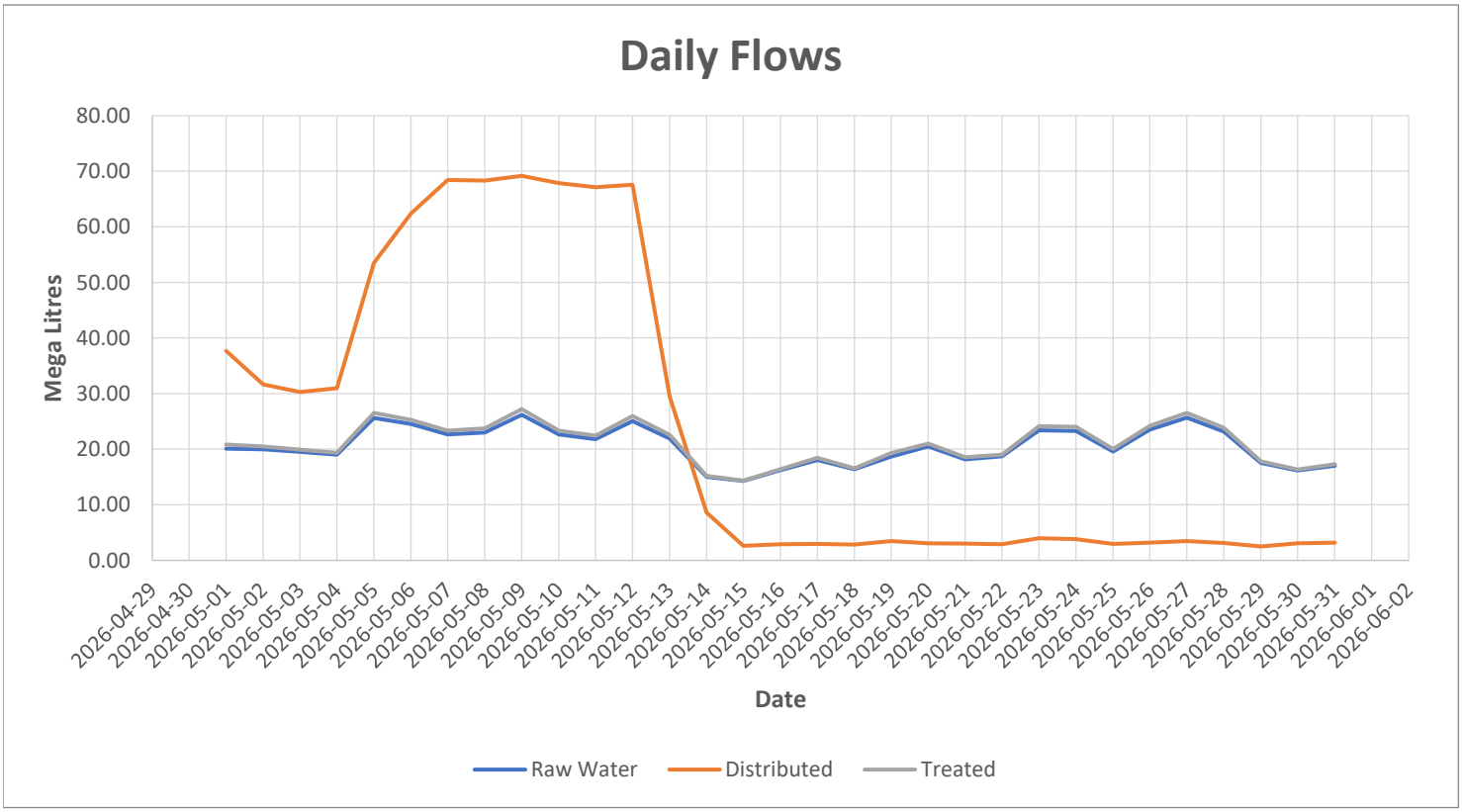
Powers Creek
Water Treatment Plant Monthly
Water Quality Summary

2026-06-03

May, 2026

Flow Demand:

	Total for Month
Raw Processed Water:	637.02 ML
Treated Water :	653.59 ML
Distributed Water :	745.92 ML
Backwash Water :	27.78 ML



Notes:

Flow meter to distribution taken offline May 14th

Raw Water Specifications:

	Raw Turbidity (NTU)			Raw pH		
Date	Min	Max	Average	Min	Max	Average
2026-05-01	0.88	5.05	1.45	7.88	8.16	8.03
2026-05-02	1.35	5.80	1.86	7.96	8.20	8.09
2026-05-03	1.33	4.40	1.70	7.80	8.17	7.97
2026-05-04	1.10	6.43	1.86	7.58	8.03	7.83
2026-05-05	1.07	4.91	1.64	7.82	8.06	7.90
2026-05-06	0.88	5.22	1.44	7.80	8.19	7.96
2026-05-07	0.96	3.45	1.48	7.82	8.20	8.03
2026-05-08	0.78	2.38	1.43	7.70	8.09	7.87
2026-05-09	1.13	4.08	1.57	7.78	8.19	7.96
2026-05-10	1.05	2.94	1.72	7.80	8.15	7.99
2026-05-11	0.54	1.78	1.06	7.71	8.12	7.87
2026-05-12	0.09	2.00	1.27	7.88	8.20	8.00
2026-05-13	1.15	2.21	1.60	7.89	8.02	7.96
2026-05-14	0.76	4.12	1.47	7.66	8.08	7.86
2026-05-15	0.59	1.25	0.93	7.66	8.08	7.89
2026-05-16	0.71	2.66	1.16	7.93	8.26	8.07
2026-05-17	0.61	1.46	1.00	8.06	8.17	8.11
2026-05-18	0.61	1.55	1.04	7.99	8.16	8.07
2026-05-19	0.42	1.30	0.87	7.80	8.21	8.02
2026-05-20	1.12	3.54	1.45	7.84	8.28	8.05
2026-05-21	0.93	2.97	1.13	7.81	8.20	8.04
2026-05-22	0.90	3.83	1.18	7.91	8.26	8.08
2026-05-23	0.85	2.76	1.12	7.89	8.14	8.06
2026-05-24	0.83	2.34	1.19	7.72	8.10	7.92
2026-05-25	0.98	3.36	1.24	7.47	8.02	7.76
2026-05-26	0.92	2.90	1.16	7.85	8.04	7.94
2026-05-27	0.79	2.54	1.08	7.91	8.18	8.02
2026-05-28	0.74	2.70	1.00	7.90	8.31	8.11
2026-05-29	1.28	3.50	2.10	7.77	8.06	7.93
2026-05-30	1.51	6.62	1.89	7.81	8.16	7.97
2026-05-31	1.03	3.00	1.25	7.90	8.25	8.05

Notes:

Raw Water Specifications (Continued):

	Raw Temp (˚C)			Raw DOC (mg/L)		
Date	Min	Max	Average	Min	Max	Average
2026-05-01	7.34	10.55	8.87	16.39	16.92	16.65
2026-05-02	8.97	17.60	11.57	16.19	16.53	16.37
2026-05-03	10.92	17.60	13.37	15.53	16.20	15.84
2026-05-04	8.70	17.94	12.14	14.85	15.49	15.21
2026-05-05	8.39	15.64	10.27	14.59	23.83	14.81
2026-05-06	8.85	12.22	10.40	13.78	14.59	14.19
2026-05-07	9.23	13.66	11.45	13.53	16.70	13.78
2026-05-08	9.48	18.38	12.05	13.05	13.63	13.33
2026-05-09	8.61	12.31	10.30	12.94	13.29	13.12
2026-05-10	11.10	18.53	13.95	12.87	13.20	13.05
2026-05-11	9.37	12.40	10.72	12.66	12.91	12.78
2026-05-12	8.90	11.88	10.38	12.16	12.71	12.45
2026-05-13	9.79	11.22	10.36	11.99	12.88	12.27
2026-05-14	8.09	10.47	9.28	13.02	13.64	13.37
2026-05-15	7.81	9.39	8.42	12.28	13.78	12.57
2026-05-16	6.65	9.22	7.84	12.30	12.51	12.39
2026-05-17	8.24	10.62	9.26	12.26	12.56	12.40
2026-05-18	8.61	10.86	9.65	12.17	12.49	12.29
2026-05-19	8.36	17.46	10.85	11.90	12.31	12.11
2026-05-20	8.34	11.84	9.98	11.79	100.14	12.17
2026-05-21	8.29	10.64	9.54	11.53	100.14	11.91
2026-05-22	9.32	12.97	10.69	-8.60	11.85	11.44
2026-05-23	12.36	18.92	16.03	11.35	11.59	11.47
2026-05-24	15.27	19.84	17.46	11.06	11.48	11.32
2026-05-25	11.42	19.77	14.99	10.35	100.11	10.89
2026-05-26	11.21	12.92	11.82	11.05	11.34	11.19
2026-05-27	10.99	14.92	12.16	10.93	11.26	11.13
2026-05-28	11.68	17.84	14.78	10.67	100.16	11.17
2026-05-29	12.85	14.96	13.77	10.85	12.11	11.39
2026-05-30	10.49	12.84	11.62	11.41	19.65	12.13
2026-05-31	10.56	13.04	11.79	1.98	100.22	37.46

Notes:

Raw Water Specifications (Continued):

	Raw Cond (µS/cm)			Streaming Current		
Date	Min	Max	Average	Min	Max	Average
2026-05-01	49.52	72.24	71.90	-7.22	51.07	28.84
2026-05-02	70.92	72.01	71.74	-13.32	50.22	23.42
2026-05-03	69.82	73.08	71.71	-24.77	43.85	20.55
2026-05-04	64.56	74.33	72.58	-26.77	45.21	17.24
2026-05-05	73.55	74.00	73.74	-1.83	48.05	24.20
2026-05-06	69.89	100.54	74.63	-10.20	46.09	24.14
2026-05-07	47.01	79.19	75.04	7.32	51.03	28.46
2026-05-08	52.12	77.48	76.20	-74.53	61.47	17.20
2026-05-09	71.75	78.34	74.06	-25.82	34.10	5.43
2026-05-10	78.43	79.76	78.85	-49.11	31.29	5.06
2026-05-11	79.31	80.79	80.13	-26.77	35.24	14.62
2026-05-12	58.47	83.24	80.82	???	43.92	18.51
2026-05-13	70.34	83.58	82.42	-10.06	50.17	20.28
2026-05-14	69.43	82.82	81.54	-77.72	49.43	3.25
2026-05-15	68.63	82.39	81.84	-29.96	46.07	3.01
2026-05-16	82.40	83.36	82.63	-51.92	50.26	-1.25
2026-05-17	82.93	83.52	83.25	-45.84	49.38	13.71
2026-05-18	83.42	84.56	83.80	-40.96	41.92	17.55
2026-05-19	-0.08	84.79	83.84	-499.92	54.29	13.46
2026-05-20	79.38	86.43	84.34	-29.94	13.57	-9.15
2026-05-21	58.17	87.96	86.78	-29.96	12.24	-7.89
2026-05-22	0.07	88.73	87.95	-51.95	9.45	-10.73
2026-05-23	80.52	89.44	87.52	-58.69	1.86	-32.54
2026-05-24	81.67	90.88	87.75	-60.01	8.21	-22.91
2026-05-25	39.00	91.98	89.87	-32.85	7.35	-11.44
2026-05-26	0.03	92.19	91.82	-38.83	13.67	-7.28
2026-05-27	66.30	92.49	91.99	-99.04	68.57	-19.93
2026-05-28	-0.01	93.06	92.49	-70.59	1.08	-33.93
2026-05-29	74.66	92.29	90.13	-64.82	35.17	-14.43
2026-05-30	88.27	89.33	88.66	-14.01	33.93	2.18
2026-05-31	87.53	89.93	89.14	-55.91	52.36	13.86

Notes:

May 12th - Unit taken out of service for cleaning

Raw Water Specifications (Continued):

	Coagulated pH			Coagulated Temp (˚C)		
Date	Min	Max	Average	Min	Max	Average
2026-05-01	6.43	6.49	6.47	7.85	10.05	8.83
2026-05-02	6.49	6.59	6.53	8.57	10.69	9.55
2026-05-03	6.51	6.63	6.54	9.17	12.02	10.47
2026-05-04	6.41	6.62	6.49	8.95	11.29	10.50
2026-05-05	6.45	6.59	6.53	8.70	11.33	9.96
2026-05-06	6.45	6.67	6.55	9.08	11.95	10.46
2026-05-07	6.52	6.57	6.54	9.61	12.48	11.16
2026-05-08	6.52	6.67	6.57	9.56	10.85	10.43
2026-05-09	6.60	6.73	6.67	8.98	12.46	10.50
2026-05-10	6.59	6.65	6.63	10.50	11.87	11.19
2026-05-11	6.55	6.67	6.61	9.53	12.10	10.73
2026-05-12	6.61	6.66	6.63	9.50	13.43	10.61
2026-05-13	6.59	6.66	6.62	10.11	11.03	10.38
2026-05-14	6.61	6.76	6.68	8.38	10.58	9.41
2026-05-15	6.62	6.77	6.70	8.14	9.28	8.57
2026-05-16	6.64	6.80	6.73	6.67	8.64	7.67
2026-05-17	6.61	6.79	6.68	7.35	9.40	8.27
2026-05-18	6.65	6.80	6.69	7.79	9.70	8.77
2026-05-19	6.60	6.68	6.63	8.51	10.31	9.38
2026-05-20	6.61	6.67	6.64	8.63	11.50	9.93
2026-05-21	6.62	6.69	6.65	8.41	10.47	9.48
2026-05-22	6.63	6.73	6.66	9.50	12.03	10.65
2026-05-23	6.65	6.76	6.72	10.53	13.18	11.63
2026-05-24	6.67	6.70	6.68	10.96	13.48	12.11
2026-05-25	6.64	6.67	6.66	11.65	13.22	12.44
2026-05-26	6.62	6.67	6.66	11.43	12.01	11.77
2026-05-27	6.67	6.74	6.71	11.08	12.86	11.80
2026-05-28	6.67	6.75	6.71	11.97	15.28	13.35
2026-05-29	6.68	6.74	6.71	12.63	14.26	13.77
2026-05-30	6.68	6.75	6.72	10.65	12.35	11.56
2026-05-31	6.63	6.79	6.71	10.81	12.84	11.69

Notes:

Train 1 Filter Turbidity (NTU):

	Filter 1			Filter 2			Filter 3		
Date	Min	Max	Average	Min	Max	Average	Min	Max	Average
2026-05-01	0.03	0.09	0.04	0.02	0.03	0.02	0.01	0.08	0.02
2026-05-02	0.03	0.08	0.04	0.02	0.11	0.03	0.01	0.02	0.01
2026-05-03	0.03	0.14	0.04	0.02	0.04	0.02	0.01	0.07	0.02
2026-05-04	0.02	0.05	0.03	0.02	0.07	0.02	0.01	0.01	0.01
2026-05-05	0.02	0.11	0.03	0.02	0.02	0.02	0.01	0.05	0.01
2026-05-06	0.02	0.04	0.03	0.01	0.20	0.02	0.01	0.01	0.01
2026-05-07	0.02	0.12	0.04	0.02	0.06	0.02	0.01	0.06	0.01
2026-05-08	0.02	0.04	0.03	0.01	0.08	0.02	0.01	0.01	0.01
2026-05-09	0.02	0.13	0.03	0.02	0.02	0.02	0.01	0.05	0.01
2026-05-10	0.02	0.06	0.03	0.02	0.07	0.02	0.01	0.01	0.01
2026-05-11	0.02	0.09	0.03	0.01	0.02	0.02	0.01	0.05	0.01
2026-05-12	0.03	0.05	0.03	0.02	0.06	0.02	0.01	0.02	0.01
2026-05-13	0.02	0.16	0.05	0.01	0.03	0.02	0.01	0.05	0.01
2026-05-14	0.02	0.05	0.03	0.02	0.08	0.02	0.01	0.01	0.01
2026-05-15	0.02	0.13	0.03	0.01	0.03	0.02	0.01	0.01	0.01
2026-05-16	0.02	0.03	0.03	0.02	0.08	0.02	0.01	0.06	0.01
2026-05-17	0.02	0.18	0.04	0.02	0.02	0.02	0.01	0.01	0.01
2026-05-18	0.02	0.04	0.03	0.02	0.13	0.03	0.01	0.06	0.02
2026-05-19	0.02	0.23	0.05	0.02	0.03	0.02	0.01	0.01	0.01
2026-05-20	0.02	0.04	0.02	0.01	0.08	0.02	0.01	0.04	0.01
2026-05-21	0.02	0.09	0.03	0.01	0.04	0.02	0.01	0.01	0.01
2026-05-22	0.02	0.05	0.02	0.01	0.05	0.02	0.01	0.04	0.01
2026-05-23	0.02	0.08	0.02	0.01	0.05	0.02	0.01	0.01	0.01
2026-05-24	0.02	0.04	0.02	0.02	0.06	0.02	0.01	0.03	0.01
2026-05-25	0.02	0.05	0.02	0.01	0.03	0.02	0.01	0.01	0.01
2026-05-26	0.02	0.02	0.02	0.02	0.06	0.02	0.01	0.03	0.01
2026-05-27	0.02	0.07	0.02	0.01	0.03	0.02	0.01	0.01	0.01
2026-05-28	0.02	0.05	0.02	0.02	0.06	0.02	0.01	0.03	0.01
2026-05-29	0.00	0.06	0.02	0.02	0.03	0.02	0.01	0.01	0.01
2026-05-30	0.02	0.03	0.02	0.02	0.06	0.02	0.01	0.03	0.01
2026-05-31	0.02	0.04	0.02	0.02	0.03	0.02	0.01	0.01	0.01

Notes:

Train 2 Filter Turbidity (NTU)

	Filter 4			Filter 5			Filter 6		
Date	Min	Max	Average	Min	Max	Average	Min	Max	Average
2026-05-01	0.02	0.05	0.02	0.02	0.04	0.03	0.02	0.08	0.02
2026-05-02	0.02	0.07	0.02	0.03	0.14	0.04	0.02	0.03	0.02
2026-05-03	0.02	0.03	0.02	0.03	0.05	0.03	0.02	0.09	0.03
2026-05-04	0.01	0.06	0.02	0.03	0.10	0.03	0.02	0.03	0.02
2026-05-05	0.01	0.03	0.02	0.02	0.04	0.03	0.01	0.07	0.02
2026-05-06	0.01	0.06	0.02	0.03	0.10	0.04	0.01	0.02	0.02
2026-05-07	0.01	0.02	0.02	0.02	0.04	0.03	0.01	0.79	0.02
2026-05-08	0.02	0.05	0.02	0.02	0.09	0.03	0.01	0.02	0.02
2026-05-09	0.02	0.02	0.02	0.03	0.03	0.03	0.01	0.07	0.02
2026-05-10	0.01	0.05	0.02	0.03	0.11	0.04	0.01	0.02	0.02
2026-05-11	0.01	0.02	0.01	0.03	0.03	0.03	0.02	0.07	0.02
2026-05-12	0.01	0.06	0.02	0.03	0.10	0.04	0.01	0.02	0.02
2026-05-13	0.01	0.02	0.02	0.03	0.04	0.03	0.01	0.07	0.02
2026-05-14	0.02	0.08	0.02	0.03	0.09	0.04	0.01	0.02	0.01
2026-05-15	0.02	0.02	0.02	0.02	0.03	0.03	0.01	0.06	0.02
2026-05-16	0.02	0.09	0.02	0.03	0.12	0.03	0.01	0.02	0.02
2026-05-17	0.02	0.03	0.02	0.03	0.04	0.03	0.01	0.08	0.02
2026-05-18	0.02	0.04	0.02	0.02	0.12	0.03	0.01	0.02	0.01
2026-05-19	0.01	0.07	0.02	0.02	0.03	0.03	0.01	0.07	0.02
2026-05-20	0.01	0.02	0.02	0.03	0.07	0.03	0.01	0.04	0.01
2026-05-21	0.02	0.05	0.02	0.03	0.04	0.03	0.01	0.06	0.02
2026-05-22	0.01	0.02	0.02	0.02	0.07	0.03	0.01	0.01	0.01
2026-05-23	0.01	0.04	0.02	0.02	0.04	0.03	0.01	0.06	0.02
2026-05-24	0.01	0.02	0.01	0.03	0.09	0.03	0.01	0.02	0.01
2026-05-25	0.01	0.04	0.02	0.02	0.04	0.03	0.01	0.05	0.02
2026-05-26	0.01	0.03	0.01	0.03	0.07	0.03	0.01	0.02	0.01
2026-05-27	0.01	0.04	0.02	0.03	0.03	0.03	0.01	0.06	0.02
2026-05-28	0.01	0.02	0.02	0.03	0.07	0.03	0.01	0.02	0.01
2026-05-29	0.01	0.02	0.01	0.02	0.04	0.03	0.01	0.04	0.02
2026-05-30	0.01	0.03	0.02	0.03	0.09	0.04	0.01	0.02	0.02
2026-05-31	0.01	0.03	0.02	0.03	0.05	0.03	0.01	0.02	0.01

Notes:

UV Treatment:

Date	Average Flow (L/s)	Avg Validated Dose (mj/cm2)	UV Availability (%)
2026-05-01	248.51	21.30	99.11
2026-05-02	187.91	21.10	99.93
2026-05-03	257.32	21.10	99.93
2026-05-04	255.68	21.10	99.93
2026-05-05	312.29	21.10	99.93
2026-05-06	367.70	21.10	99.92
2026-05-07	255.74	21.18	99.17
2026-05-08	292.41	21.18	99.93
2026-05-09	166.35	30.28	99.86
2026-05-10	247.49	22.60	99.93
2026-05-11	159.65	30.28	99.93
2026-05-12	281.59	22.28	99.93
2026-05-13	212.21	24.42	99.93
2026-05-14	209.87	25.28	99.93
2026-05-15	159.34	31.95	99.70
2026-05-16	142.90	35.10	75.93
2026-05-17	207.05	25.00	99.93
2026-05-18	223.72	23.67	99.93
2026-05-19	210.62	24.15	99.93
2026-05-20	206.32	26.60	99.93
2026-05-21	261.72	22.42	99.93
2026-05-22	208.60	26.95	99.93
2026-05-23	324.25	21.10	99.93
2026-05-24	244.20	22.90	99.93
2026-05-25	243.39	23.10	99.93
2026-05-26	219.72	25.35	99.93
2026-05-27	294.88	21.90	99.93
2026-05-28	290.62	22.28	99.93
2026-05-29	306.22	99.93	99.93
2026-05-30	169.82	99.88	99.88
2026-05-31	169.71	94.50	94.50

Notes:

May 16 - UV shutdown on low flow

UV Transmittance %:

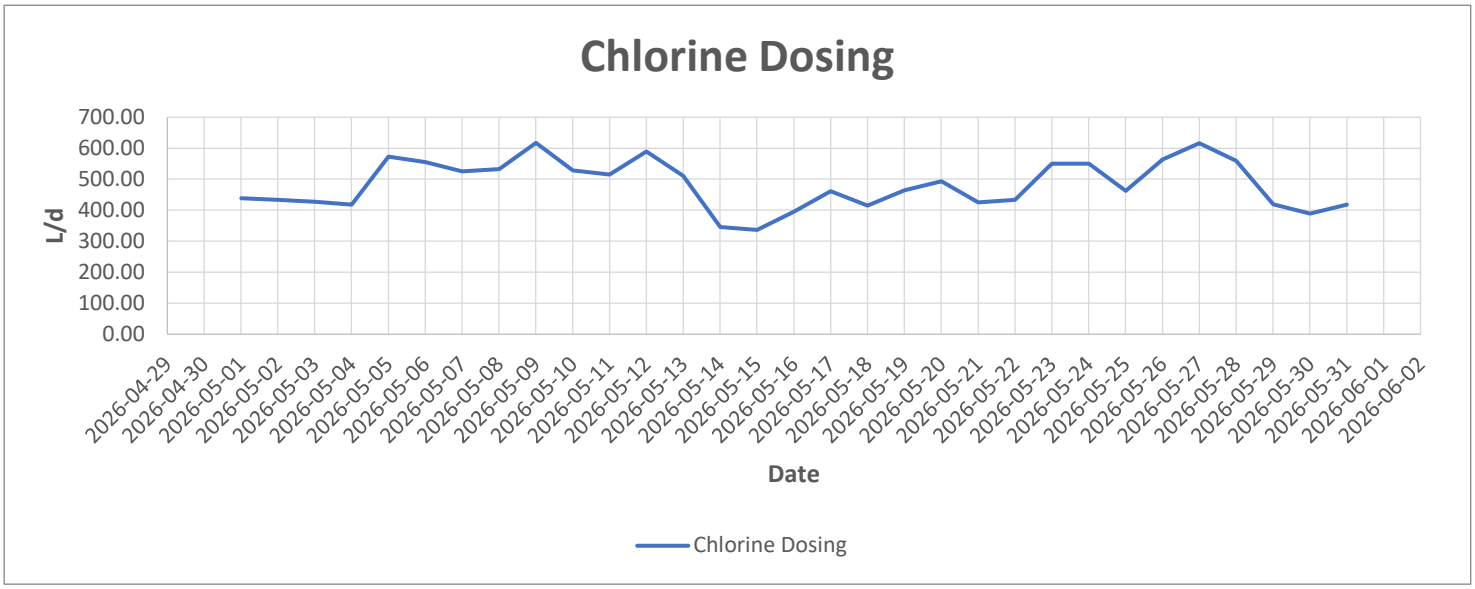
Date	Min	Max	Average
2026-05-01	86.90	87.40	87.15
2026-05-02	87.00	87.60	87.24
2026-05-03	87.20	87.80	87.45
2026-05-04	87.40	88.50	87.94
2026-05-05	88.50	89.50	89.01
2026-05-06	88.60	89.50	89.07
2026-05-07	88.70	89.50	88.94
2026-05-08	88.90	89.20	89.08
2026-05-09	88.70	89.60	89.15
2026-05-10	88.40	89.20	88.85
2026-05-11	88.40	89.30	88.81
2026-05-12	88.70	89.20	88.97
2026-05-13	89.00	89.70	89.35
2026-05-14	88.70	89.50	89.13
2026-05-15	89.40	90.70	89.71
2026-05-16	89.10	90.00	89.58
2026-05-17	88.60	90.10	89.43
2026-05-18	88.50	89.60	89.21
2026-05-19	88.90	90.00	89.48
2026-05-20	89.60	90.70	90.07
2026-05-21	89.50	90.40	90.11
2026-05-22	89.40	90.70	90.12
2026-05-23	89.70	90.50	90.12
2026-05-24	89.40	90.50	90.04
2026-05-25	89.90	90.80	90.05
2026-05-26	89.90	91.00	90.22
2026-05-27	90.20	90.60	90.41
2026-05-28	89.70	91.20	90.31
2026-05-29	89.10	90.30	89.87
2026-05-30	89.70	90.50	90.04
2026-05-31	90.00	91.70	90.63

Notes:

Chemical Demand:

Chlorine Used:

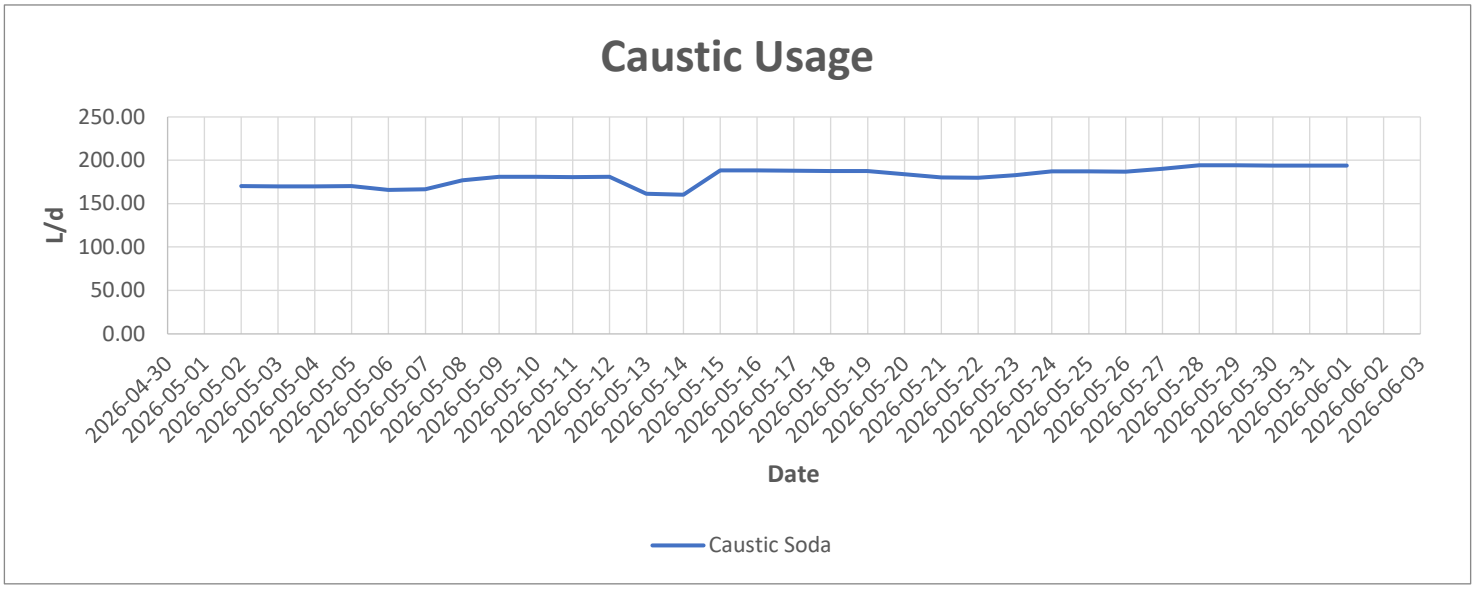
Total for Month
14956.34 L



Notes:

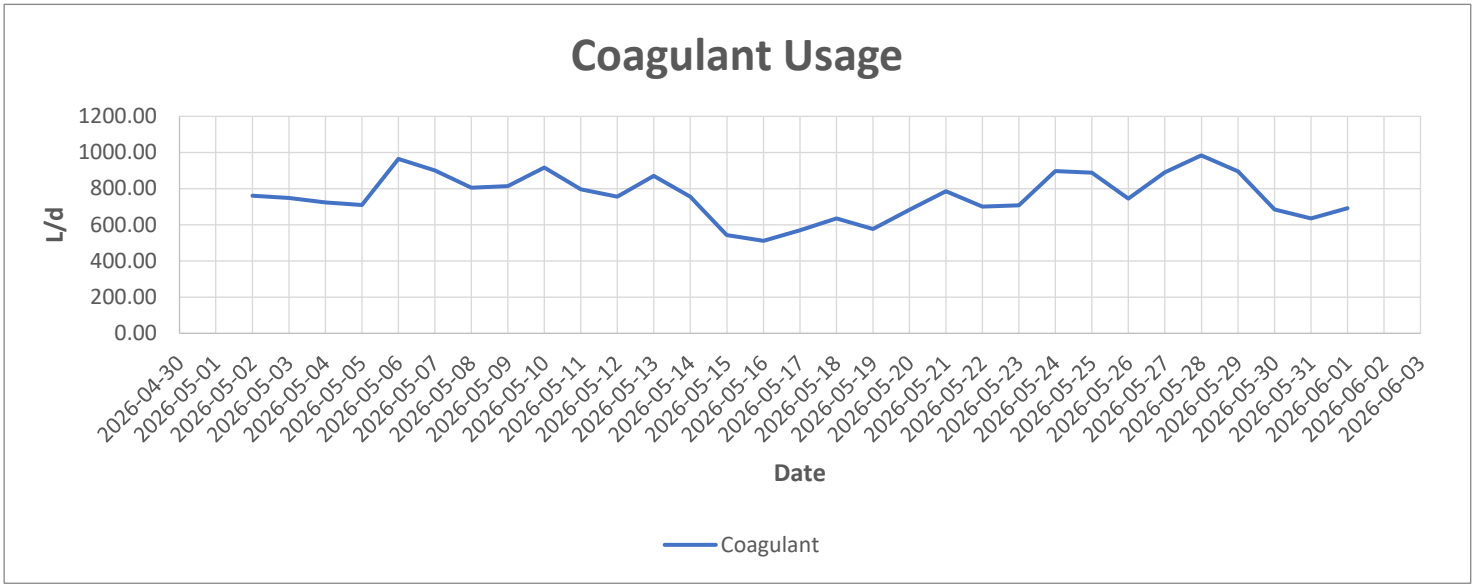
Caustic Soda Used:

Total for Month
5623.16 Litres



Notes:

	Total for Month
Coagulant Used:	23538.23 Litres

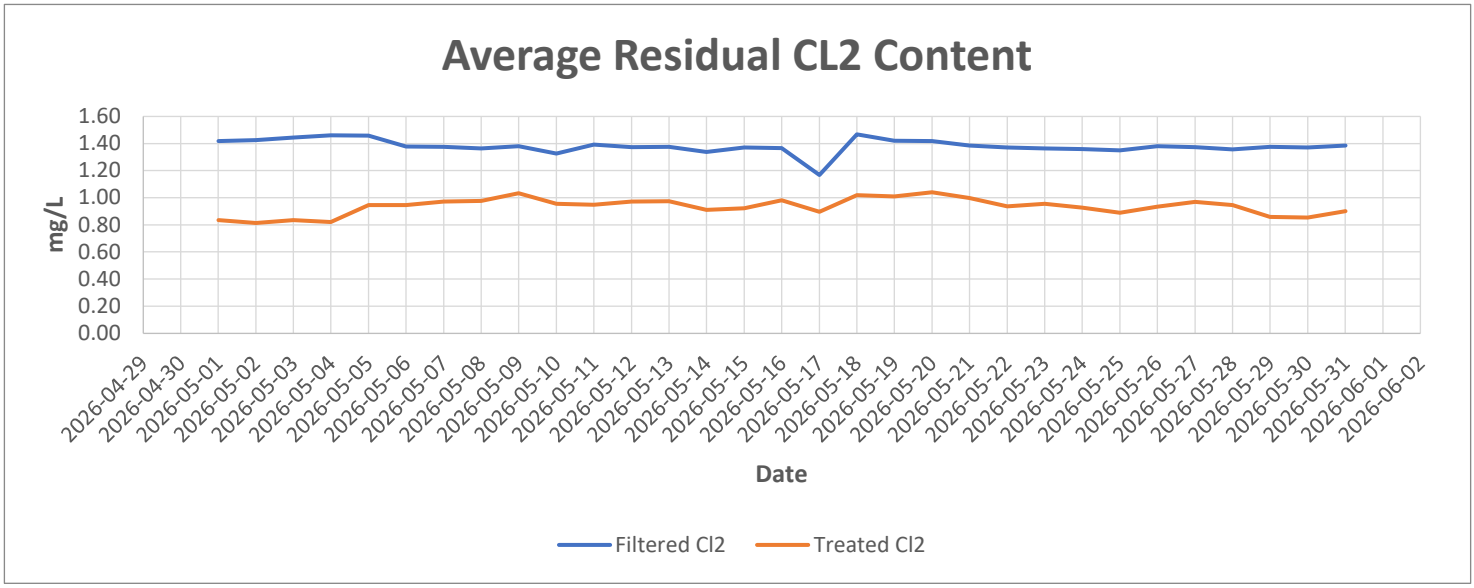


Notes:

	Total for Month
DAF & Residual DAF Neat Polymer	860.76 L
Centrifuge Neat Polymer	970.41 L

Chlorine Dose

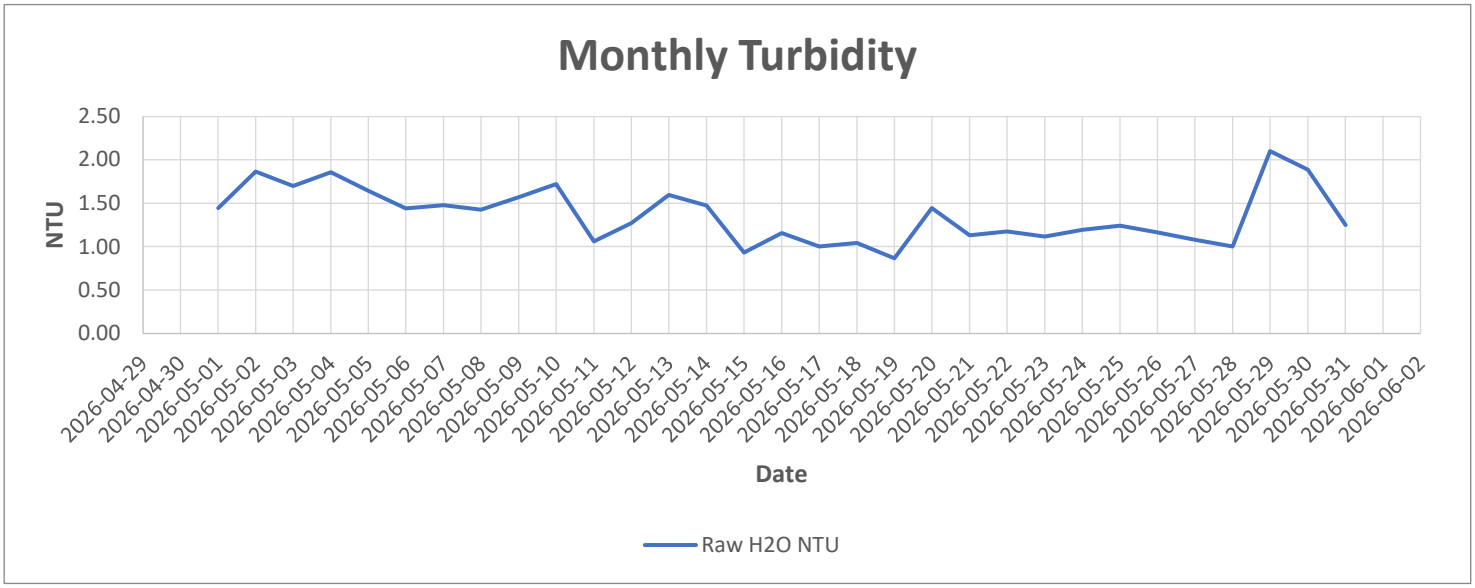
Filtered Water Residual Cl2 Average (mg/L):	1.38 mg/L
Treated Water (Distributed) Cl2 Average (mg/L):	0.93 mg/L



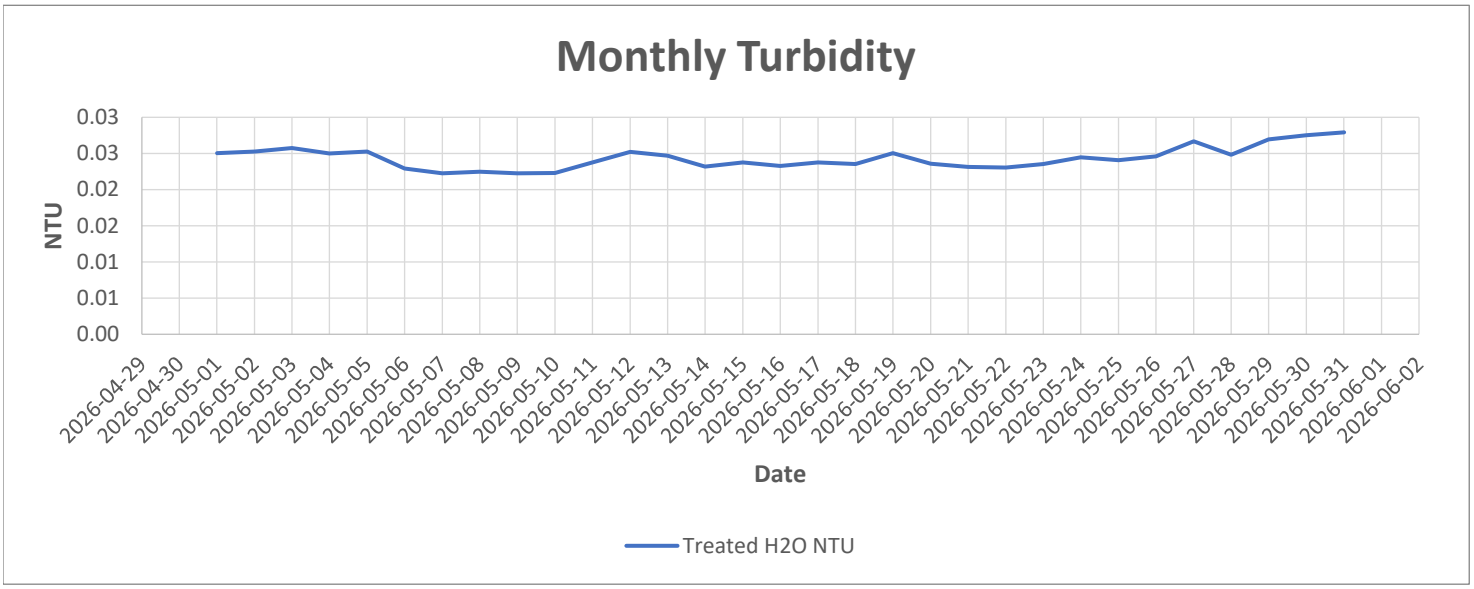
Water Quality Analytics:

Turbidity

Raw Water Monthly Average: 1.37 NTU



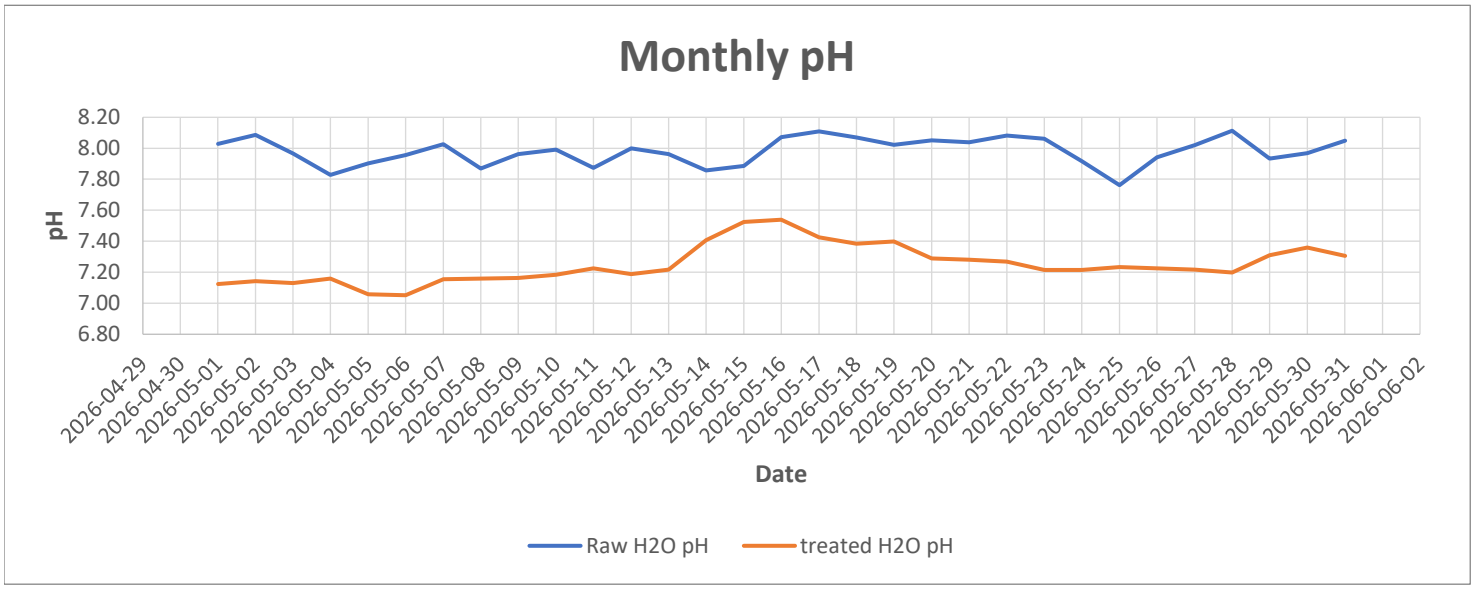
Treated Water Monthly Average: 0.02 NTU



Notes:

pH

Raw Water Monthly Average:	7.98 pH
Treated Water Monthly Average:	7.25 pH



Notes:

Powers Creek WTP Operational Highlights:

NOTE: Lat 1 Flow Meter not working, see trends

May 1st - switched to 4 lamps in UV
May 1st - all six DAFs now running for summer
May 4th - Compressor maintenance by contractor (Wiseworth)
May 8th - greased intake screens & flushed the "Y" strainer
May 11th - cleaned & rinsed CTF poly make down system
May 12th - CWK engineers & contractor doind road survey on intake road
May 19th - Chemical delivery (PAC bulk load)
May 25th - hazard assessment done on old Chlorine building by contractor (NorHaz)
May 25th - intake road graded
May 25th - contractor in to clean plant windows
May 26th - CARE systems service to HVAC computer program
May 28th - installed flashboards on pond Dam

Power Creek Watershed Operational Highlights:

Lambly
May 4th Full pool. First set of flashboards installed
May 12th Second set of flashboards installed level is 2783acft
May 26th Changed Full Cell Level is 2820acft

Jackpine
May 6th level is 877acft
May 26th level is 874acft

Paynter
May 13th Full pool 4" spilling
May 26th Full pool 2" spilling

Powers Creek
May 13th 7.5" over sill 6000usgpm down creek
May 26th 3.75" over sill

Horseshoe
May 6th Full pool 2" spilling
May 26th Full pool 1" spilling

Dobbin
May 6th level is 343acft still filling
May 26th full pool 561acft

Nicola Creek Diversion
May 4th 6" over sill to Dobbin Replaced old flash boards with four new ones
May 26th 2.5" over sill

Tadpole
May 6th level is 2850.6ML fill up good flow from both diversions
May 25th level is 3533.9ML no flow from Sandburg diversion. Completed Piezometers

Dam inspections completed Weekly

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

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Power's Creek Water Service Area – Distribution System Monitoring

May 2026

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 May.
- May Bacteriological Sampling Summary:
    - 18 samples to CARO for analysis
    - 8 samples analyzed in-house at RVWTP
    - All bacteriological sample results were <1 CFU/100mL for Total Coliforms and <1 CFU/100mL for *E.coli*.
- May 6, 2026 – Dixie Reservoir high strength hypo concentration was changed to 5.9% on PLC.
- May 6, 2026 – Glenrosa Reservoir high strength hypo concentration was changed to 8.0% on PLC.
- May 12, 2026 – Quarterly water quality sampling was completed, the certificate of analysis is attached in Appendix A. All parameters measured were within the Guidelines for Canadian Drinking Water Quality.
- May 22, 2026 – Dixie Reservoir high strength hypo concentration was changed to 6.4% on PLC.
- May 28, 2026 – Dixie Reservoir online FCR analyser calibration adjustment of 0.16mg/L decrease.

Operational System Improvements/Events

- May 4, 2026 – Glenrosa Reservoir was receiving low FCR alarms due to treatment plant flow meter malfunctions, alarm limits were changed and will be changes once the flow meter has been replaced.
- May 5, 2026 – 3696 Granada Cres leak on service line affecting one property, repair completed by City staff and City contractor. Positive pressure maintained during repair.
- May 13, 2026 – 3431 Rosedale Plc leak on service line affecting one property, repair completed by City staff and City contractor. Positive pressure maintained during repair.
- May 14, 2026 – Lateral One PS the analog combo card in the PLC for the station was replaced.
- May 14, 2026 – Glenrosa Reservoir maintenance to the security systems was completed.
- May 14, 2026 – 3225 Corral Crt leak on long sided service affecting two properties 3219/3225 Corral Crt, repair completed by City staff. Positive pressure maintained during repair.

WQ Field and SCADA Data

Sampling Location Table:

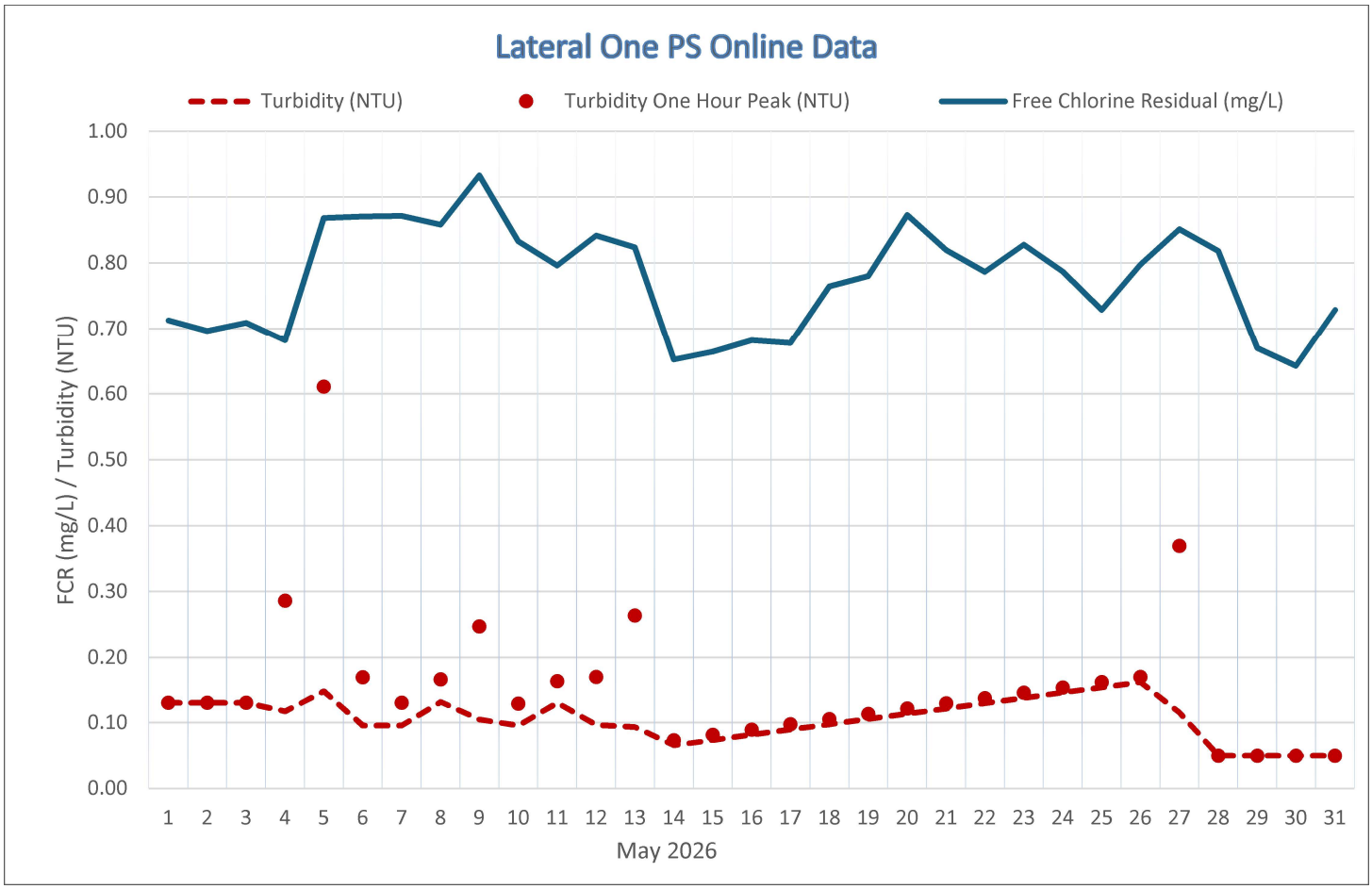
Sample Name	Civic Address	Pressure Zone	WQ Sampling Rationale
Lateral One PS	3188 Shetler Dr	630	1st Customer water quality check.
Glenrosa PS	3149 Coventry Cres	673	Mid system water quality check. Water quality distributed throughout Glenrosa area.
Glenrosa Res	3313 Glenrosa Rd	673	Mid system water 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.
McIver SS	3036 McIver 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

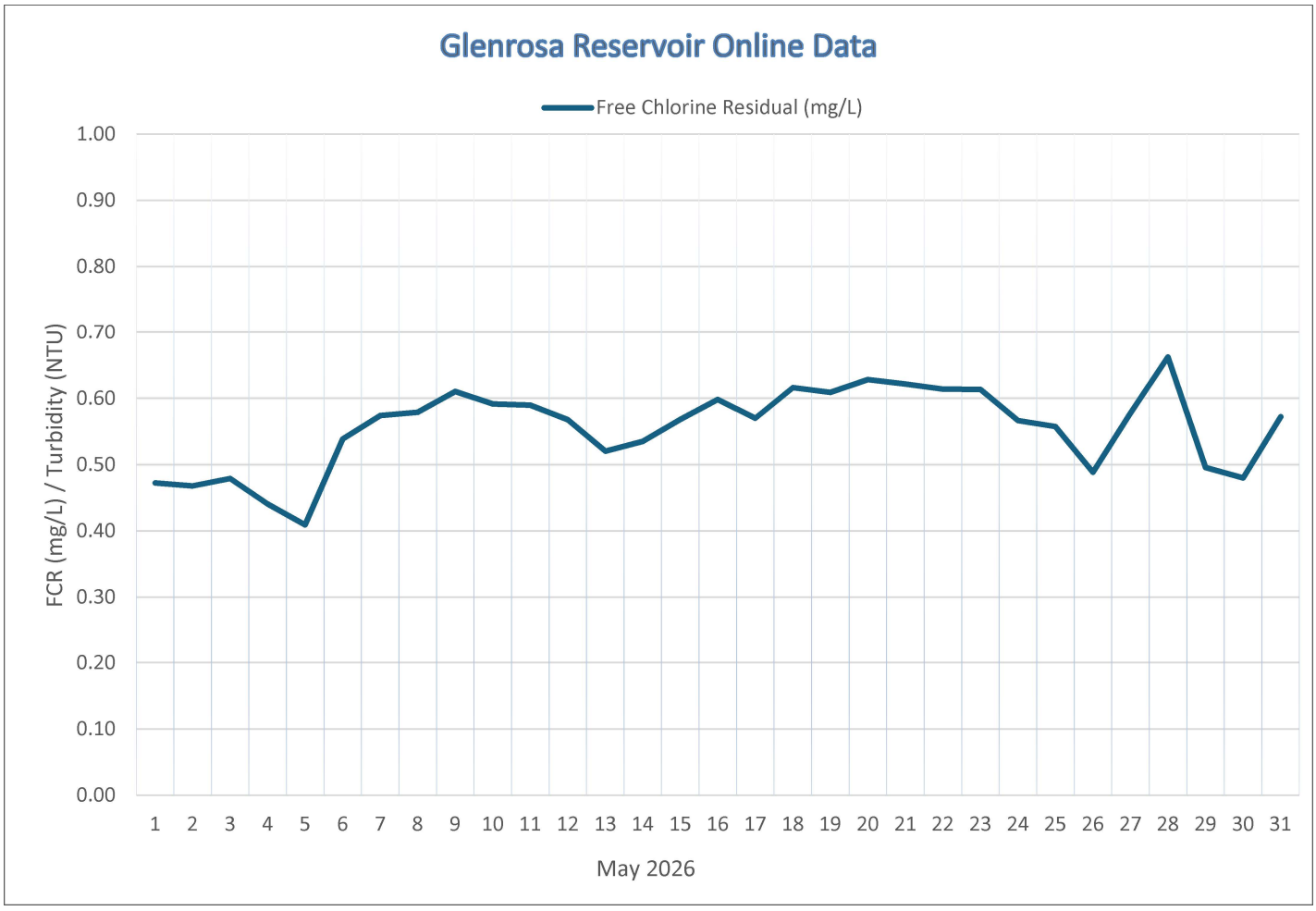
Lateral One PS Online Data							
Date	pH	Turbidity	Turbidity (Peak 1 Hr)	Temp	FCR		
	Avg (pH)	Avg (NTU)	Max Based On 1 Hr Avg	Avg (°C)	Min (mg/L)	Max (mg/L)	Avg (mg/L)
May 2026							
1	6.32	0.13	0.13	10.12	0.57	0.79	0.71
2	6.27	0.13	0.13	10.77	0.54	0.74	0.70
3	6.25	0.13	0.13	11.29	0.60	0.76	0.71
4	6.25	0.12	0.29	11.93	0.55	0.74	0.68
5	6.17	0.15	0.61	12.16	0.65	0.93	0.87
6	6.11	0.10	0.17	11.70	0.76	0.93	0.87
7	6.20	0.10	0.13	11.95	0.79	0.93	0.87
8	6.21	0.13	0.17	12.06	0.73	0.95	0.86
9	6.19	0.10	0.25	11.08	0.84	0.99	0.93
10	6.23	0.10	0.13	12.02	0.60	0.90	0.83
11	6.21	0.13	0.16	11.89	0.62	0.88	0.80
12	6.28	0.10	0.17	12.42	0.72	0.90	0.84
13	6.18	0.09	0.26	12.33	0.63	0.93	0.82
14	6.52	0.07	0.07	12.59	0.43	0.78	0.65
15	6.32	0.07	0.08	10.56	0.25	0.79	0.66
16	6.43	0.08	0.09	9.48	0.03	0.89	0.68
17	6.32	0.09	0.10	9.32	0.42	0.87	0.68
18	6.33	0.10	0.11	9.83	0.39	0.93	0.76
19	6.33	0.11	0.11	10.56	0.42	0.92	0.78
20	6.21	0.11	0.12	10.90	0.71	0.95	0.87
21	6.20	0.12	0.13	11.60	0.71	0.90	0.82
22	6.17	0.13	0.14	11.56	0.65	0.85	0.79
23	6.12	0.14	0.15	12.80	0.67	0.92	0.83
24	6.13	0.15	0.15	13.63	0.65	0.86	0.79
25	6.11	0.15	0.16	14.23	0.60	0.79	0.73
26	6.13	0.16	0.17	13.81	0.65	0.86	0.80
27	6.06	0.12	0.37	13.09	0.71	0.93	0.85
28	6.05	0.05	0.05	14.09	0.69	0.87	0.82
29	6.15	0.05	0.05	15.71	0.40	0.79	0.67
30	6.14	0.05	0.05	13.96	0.43	0.74	0.64
31	6.11	0.05	0.05	12.97	0.55	0.83	0.73
Average	6.22	0.11		12.01	0.58	0.87	0.78
Min	6.05	0.05		9.32	0.03	0.74	0.64
Max	6.52	0.16	0.61	15.71	0.84	0.99	0.93



Lateral One PS Water Quality						
Date	**Turbidity**		**Temp**	**FCR**		**pH**
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
05-May-26	0.21	0.08	14.1	1	0.84	7.21
12-May-26	0.06	0.07	10.1	0.88	0.9	7.16
19-May-26	0.06	0.07	11.1	0.95	0.86	7
26-May-26	0.11		13.2	0.91		7.02
# of Samples	4	3	4	4	3	4
Average	0.11	0.07	12.13	0.94	0.87	7.1
Range	0.06-0.21	0.07-0.08	10.1-14.1	0.88-1	0.84-0.9	7-7.21

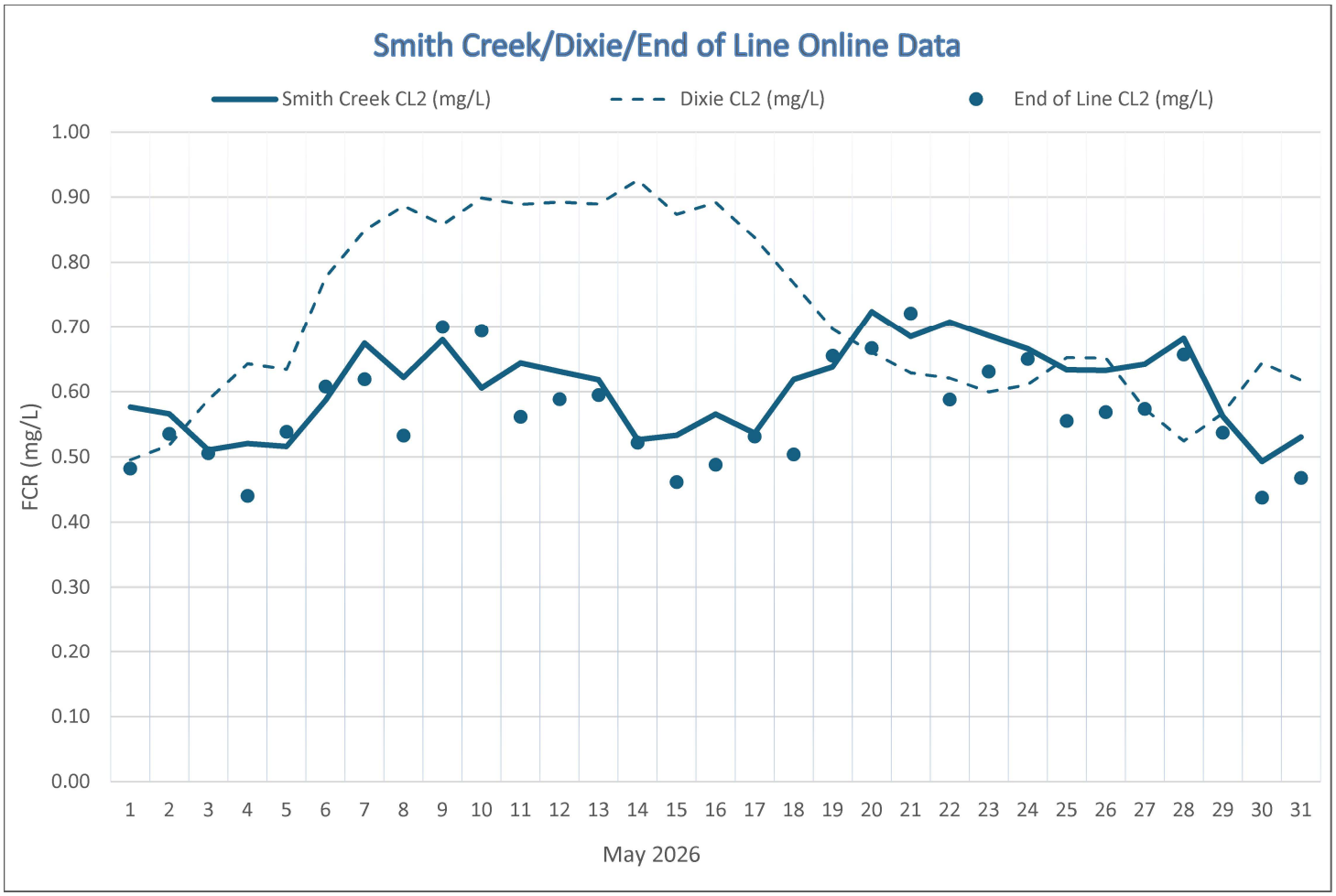
Glenrosa PS & Reservoir

Glenrosa Reservoir Online Data							
Date	Flow Total From PS	Peak Flow From PS	pH	Temp	FCR		
	(ML)	Max (ML/Day)	Avg (pH)	Avg (°C)	Min (mg/L)	Max (mg/L)	Avg (mg/L)
May 2026							
1	2.82	4.13	6.96	7.85	0.23	0.73	0.47
2	3.27	4.14	6.97	8.26	0.20	0.71	0.47
3	3.52	4.15	6.96	8.57	0.17	0.73	0.48
4	2.90	4.12	6.98	9.00	0.14	0.73	0.44
5	3.41	5.04	6.93	8.87	0.13	0.88	0.41
6	3.42	5.06	6.91	9.45	0.18	0.83	0.54
7	3.15	5.05	6.93	9.90	0.24	0.88	0.57
8	2.93	5.06	6.95	10.20	0.28	0.90	0.58
9	3.76	5.06	6.96	9.87	0.30	0.95	0.61
10	3.27	5.06	6.97	10.23	0.32	0.88	0.59
11	3.04	5.05	6.99	10.41	0.31	0.87	0.59
12	3.53	5.06	6.98	10.33	0.32	0.89	0.57
13	3.08	5.06	6.99	10.47	0.31	0.91	0.52
14	2.54	5.07	7.06	10.22	0.33	0.82	0.54
15	2.59	5.07	7.10	9.89	0.37	0.89	0.57
16	2.90	5.05	7.15	9.33	0.38	1.03	0.60
17	2.92	5.09	7.20	8.98	0.38	0.92	0.57
18	2.85	5.07	7.14	9.03	0.38	0.97	0.62
19	3.42	5.06	7.13	9.28	0.40	0.92	0.61
20	3.06	5.09	7.09	9.40	0.38	0.94	0.63
21	2.96	5.07	7.07	9.82	0.35	0.91	0.62
22	2.85	5.06	7.06	9.86	0.38	0.86	0.61
23	3.94	8.79	7.03	10.46	0.34	0.89	0.61
24	3.78	5.06	7.04	10.86	0.32	0.87	0.57
25	2.95	5.06	7.04	11.40	0.32	0.82	0.56
26	3.14	5.06	7.04	11.39	0.29	0.85	0.49
27	3.46	5.06	7.04	11.33	0.32	0.91	0.58
28	3.16	5.05	7.02	11.71	0.32	0.88	0.66
29	2.51	4.10	7.05	12.35	0.27	0.80	0.50
30	3.08	8.74	7.09	12.07	0.26	0.83	0.48
31	3.13	5.06	7.08	11.76	0.33	0.91	0.57
Total	95						
Average	3.14	5.15	7.03	10.08	0.30	0.87	0.56
Min	2.51	4.10	6.91	7.85	0.13	0.71	0.41
Max	3.94	8.79	7.20	12.35	0.40	1.03	0.66


Glenrosa Reservoir Online Data
Free Chlorine Residual (mg/L)
FCR (mg/L) / Turbidity (NTU)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
May 2026

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

Date	Smith Creek Reservoir FCR			Dixie Reservoir FCR			End of The Line FCR		
	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)
May 2026									
1	0.32	0.84	0.58	0.41	0.55	0.50	0.39	0.54	0.48
2	0.29	0.81	0.57	0.51	0.61	0.52	0.46	0.76	0.54
3	0.25	0.83	0.51	0.56	0.61	0.59	0.46	0.56	0.51
4	0.23	0.81	0.52	0.56	0.68	0.64	0.34	0.54	0.44
5	0.21	0.99	0.52	0.61	0.65	0.63	0.30	0.65	0.54
6	0.26	0.97	0.59	0.59	0.90	0.78	0.43	0.67	0.61
7	0.29	0.99	0.67	0.81	0.86	0.85	0.50	0.66	0.62
8	0.26	0.99	0.62	0.81	0.92	0.89	0.38	0.67	0.53
9	0.30	1.05	0.68	0.81	0.94	0.86	0.42	0.81	0.70
10	0.34	0.97	0.61	0.87	0.94	0.90	0.57	0.79	0.69
11	0.34	0.95	0.64	0.84	0.94	0.89	0.50	0.64	0.56
12	0.34	0.97	0.63	0.85	0.92	0.89	0.41	0.68	0.59
13	0.35	1.01	0.62	0.85	0.97	0.89	0.50	0.66	0.59
14	0.40	0.86	0.53	0.88	0.96	0.93	0.45	0.58	0.52
15	0.34	0.88	0.53	0.84	0.92	0.87	0.37	0.52	0.46
16	0.37	0.95	0.57	0.86	0.92	0.89	0.37	0.61	0.49
17	0.30	0.95	0.54	0.80	0.86	0.84	0.39	0.67	0.53
18	0.36	1.05	0.62	0.72	0.80	0.77	0.42	0.61	0.50
19	0.40	1.01	0.64	0.54	0.81	0.70	0.35	0.76	0.66
20	0.36	1.03	0.72	0.63	0.70	0.66	0.53	0.76	0.67
21	0.45	0.99	0.69	0.59	0.65	0.63	0.64	0.78	0.72
22	0.43	0.94	0.71	0.58	0.66	0.62	0.51	0.64	0.59
23	0.41	0.99	0.69	0.56	0.63	0.60	0.50	0.71	0.63
24	0.40	0.94	0.67	0.55	0.64	0.61	0.60	0.70	0.65
25	0.40	0.90	0.63	0.59	0.72	0.65	0.48	0.61	0.56
26	0.37	0.94	0.63	0.62	0.68	0.65	0.44	0.68	0.57
27	0.36	1.01	0.64	0.47	0.68	0.57	0.45	0.66	0.57
28	0.37	0.97	0.68	0.45	0.59	0.52	0.60	0.73	0.66
29	0.36	0.90	0.56	0.54	0.64	0.57	0.46	0.60	0.54
30	0.36	0.86	0.49	0.62	0.68	0.64	0.34	0.55	0.44
31	0.36	0.92	0.53	0.58	0.64	0.62	0.33	0.53	0.47
Average	0.34	0.94	0.61	0.66	0.76	0.72	0.45	0.66	0.57
Min	0.21	0.81	0.49	0.41	0.55	0.50	0.30	0.52	0.44
Max	0.45	1.05	0.72	0.88	0.97	0.93	0.64	0.81	0.72



End-of-Line WQS Water Quality					
Date	**Turbidity**	**Temp**	**FCR**		**pH**
	Grab (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
05-May-26	0.25	12.8	0.69	0.56	7.36
12-May-26	0.11	13.5	0.59	0.57	7.09
19-May-26	0.10	13.4	0.62	0.69	7.03
26-May-26	0.09	14.1	0.65	0.67	7.46
# of Samples	4	4	4	4	4
Average	0.14	13.45	0.64	0.62	7.24
Range	0.09-0.25	12.8-14.1	0.59-0.69	0.56-0.69	7.03-7.46

WQ Field Data

McIver SS

McIver SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
05-May-26	0.19	12.0	0.59	7.30
12-May-26	0.11	11.4	0.76	7.06
19-May-26	0.09	11.1	0.77	7.02
26-May-26	0.08	13.2	0.91	7.03
# of Samples	4	4	4	4
Average	0.12	11.9	0.76	7.1
Range	0.08-0.19	11.1-13.2	0.59-0.91	7.02-7.3

Bulk Water Station (Stn)

Bulk Water Station Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
05-May-26	0.60	12.6	0.51	7.13
12-May-26	0.19	11.9	0.71	7.03
19-May-26	0.11	12.3	0.77	7.02
26-May-26	0.10	14.2	0.70	7.03
# of Samples	4	4	4	4
Average	0.25	12.75	0.67	7.05
Range	0.10-0.6	11.9-14.2	0.51-0.77	7.02-7.13

Disinfection Byproducts

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

Date	Lateral One PS	End-of-Line	McIver SS	Bulk Water Stn
19-Aug-25	0.0376	0.0365	0.0318	0.0574
25-Nov-25	0.0400	0.0475	0.0420	0.0541
9-Dec-25	0.0227	0.0293	0.0308	0.0307
17-Feb-26	0.0344	0.0483	0.0516	0.0450
12-May-26	0.0264	0.0420	0.0369	0.0347
Average	0.0322	0.0407	0.0386	0.0444

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

Date	Lateral One PS	End-of-Line	McIver SS	Bulk Water Stn
19-Aug-25	0.0205	0.0312	0.0318	0.0277
25-Nov-25	0.0280	0.0359	0.0325	0.0376
9-Dec-25	0.0221	0.0342	0.0341	0.0349
17-Feb-26	0.0184	0.0248	0.0310	0.0268
12-May-26	0.0207	0.0336	0.0302	0.0260
Average	0.0219	0.0319	0.0319	0.0306

Manganese

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

Location	**19-Aug-25**	**25-Nov-25**	**17-Feb-26**	**12-May-26**	**Average**
Lateral One PS	0.00421	0.00500	0.00343	0.00387	0.00413
McIver SS	0.00174	0.00294	0.00214	0.00236	0.00230
End-of-Line	0.00158	0.00163	0.00086	0.00442	0.00212
Bulk Water Stn	0.00569	0.00191	0.00225	0.00643	0.00407

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

Appendix A – Quarterly Certificate of Analysis

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26E1386
PROJECT	Powers Creek Water Service Area - General	**REPORTED**	2026-05-22 13:37

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
LATERAL ONE PS (26E1386-01) | Matrix: Drinking Water | Sampled: 2026-05-12 10:40						
Calculated Parameters						
Total Trihalomethanes	**0.0264**	MAC = 0.1	0.00400	mg/L	N/A	
Hardness, Total (as CaCO3)	**39.6**	None Required	0.500	mg/L	N/A	
Langelier Index	**-1.7**	N/A	-5.0		2026-05-20	CT9
Nitrogen, Organic	< 0.0500	N/A	0.0500	mg/L	N/A	
Field Parameters						
Chlorine, Free	**0.88**	N/A	0.02	mg/L	2026-05-12	
pH	**7.2**	7.0-10.5	0.1	pH units	2026-05-12	
Turbidity	< 0.10	OG < 1	0.10	NTU	2026-05-12	
General Parameters						
Alkalinity, Total (as CaCO3)	**36.8**	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Bicarbonate (as CaCO3)	**36.8**	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Carbonate (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Hydroxide (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Ammonia, Total (as N)	< 0.050	None Required	0.050	mg/L	2026-05-15	
Carbon, Total Organic	**3.74**	N/A	0.50	mg/L	2026-05-15	
Nitrogen, Total Kjeldahl	< 0.050	N/A	0.050	mg/L	2026-05-20	
Solids, Total Dissolved	**99**	AO ≤ 500	15	mg/L	2026-05-19	
Temperature, at pH	**21.5**	N/A		°C	2026-05-13	HT2
Haloacetic Acids						
Monochloroacetic Acid	< 0.0030	N/A	0.0020	mg/L	2026-05-20	RA3
Monobromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-05-20	
Dichloroacetic Acid	**0.0113**	N/A	0.0020	mg/L	2026-05-20	
Trichloroacetic Acid	**0.0093**	N/A	0.0020	mg/L	2026-05-20	
Dibromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-05-20	
Total Haloacetic Acids (HAA5)	**0.0207**	MAC = 0.08	0.00304	mg/L	N/A	
Surrogate: 2-Bromopropionic Acid	*106*		*70-130*	%	*2026-05-20*	
Microbiological Parameters						
Coliforms, Total	< 1	MAC = 0	1	CFU/100 mL	2026-05-12	
E. coli	< 1	MAC = 0	1	CFU/100 mL	2026-05-12	
Total Metals						
Aluminum, total	**0.0159**	OG < 0.1	0.0050	mg/L	2026-05-14	
Antimony, total	< 0.00020	MAC = 0.006	0.00020	mg/L	2026-05-14	
Arsenic, total	< 0.00050	MAC = 0.01	0.00050	mg/L	2026-05-14	
Barium, total	**0.0130**	MAC = 2	0.0050	mg/L	2026-05-14	
Beryllium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Bismuth, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Boron, total	< 0.0500	MAC = 5	0.0500	mg/L	2026-05-14	
Cadmium, total	< 0.000010	MAC = 0.007	0.000010	mg/L	2026-05-14	
Calcium, total	**12.9**	None Required	0.20	mg/L	2026-05-14	

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26E1386
PROJECT	Powers Creek Water Service Area - General	**REPORTED**	2026-05-22 13:37

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
LATERAL ONE PS (26E1386-01) | Matrix: Drinking Water | Sampled: 2026-05-12 10:40, Continued						
Total Metals, Continued						
Chromium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-05-14	
Cobalt, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Copper, total	**0.00042**	MAC = 2	0.00040	mg/L	2026-05-14	
Iron, total	< 0.010	AO ≤ 0.1	0.010	mg/L	2026-05-14	
Lead, total	< 0.00020	MAC = 0.005	0.00020	mg/L	2026-05-14	
Lithium, total	**0.00070**	N/A	0.00010	mg/L	2026-05-14	
Magnesium, total	**1.77**	None Required	0.010	mg/L	2026-05-14	
Manganese, total	**0.00387**	MAC = 0.12	0.00020	mg/L	2026-05-14	
Molybdenum, total	**0.00083**	N/A	0.00010	mg/L	2026-05-14	
Nickel, total	< 0.00040	N/A	0.00040	mg/L	2026-05-14	
Phosphorus, total	< 0.050	N/A	0.050	mg/L	2026-05-14	
Potassium, total	**1.10**	N/A	0.10	mg/L	2026-05-14	
Selenium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-05-14	
Silicon, total	**6.4**	N/A	1.0	mg/L	2026-05-14	
Silver, total	< 0.000050	None Required	0.000050	mg/L	2026-05-14	
Sodium, total	**4.74**	AO ≤ 200	0.10	mg/L	2026-05-14	
Strontium, total	**0.0491**	MAC = 7	0.0010	mg/L	2026-05-14	
Sulfur, total	< 3.0	N/A	3.0	mg/L	2026-05-14	
Tellurium, total	< 0.00050	N/A	0.00050	mg/L	2026-05-14	
Thallium, total	< 0.000020	N/A	0.000020	mg/L	2026-05-14	
Thorium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Tin, total	< 0.00020	N/A	0.00020	mg/L	2026-05-14	
Titanium, total	< 0.0050	N/A	0.0050	mg/L	2026-05-14	
Tungsten, total	< 0.0010	N/A	0.0010	mg/L	2026-05-14	
Uranium, total	< 0.000020	MAC = 0.02	0.000020	mg/L	2026-05-14	
Vanadium, total	< 0.0050	N/A	0.0050	mg/L	2026-05-14	
Zinc, total	< 0.0040	AO ≤ 5	0.0040	mg/L	2026-05-14	
Zirconium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Volatile Organic Compounds (VOC)						
Bromodichloromethane	< 0.0010	N/A	0.0010	mg/L	2026-05-15	
Bromoform	< 0.0010	N/A	0.0010	mg/L	2026-05-15	
Chloroform	**0.0264**	N/A	0.0010	mg/L	2026-05-15	
Dibromochloromethane	< 0.0010	N/A	0.0010	mg/L	2026-05-15	
Surrogate: Toluene-d8	*86*		*70-130*	%	*2026-05-15*	
Surrogate: 4-Bromofluorobenzene	*84*		*70-130*	%	*2026-05-15*	
MCIVER SS (26E1386-02) | Matrix: Drinking Water | Sampled: 2026-05-12 09:45						
Calculated Parameters						
Total Trihalomethanes	**0.0369**	MAC = 0.1	0.00400	mg/L	N/A	
Hardness, Total (as CaCO3)	**39.4**	None Required	0.500	mg/L	N/A	
Langelier Index	**-1.8**	N/A	-5.0		2026-05-20	CT9

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26E1386
PROJECT	Powers Creek Water Service Area - General	**REPORTED**	2026-05-22 13:37

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
MCIVER SS (26E1386-02) | Matrix: Drinking Water | Sampled: 2026-05-12 09:45, Continued						
Field Parameters						
Chlorine, Free	**0.76**	N/A	0.02	mg/L	2026-05-12	
pH	**7.1**	7.0-10.5	0.1	pH units	2026-05-12	
Turbidity	**0.11**	OG < 1	0.10	NTU	2026-05-12	
General Parameters						
Alkalinity, Total (as CaCO3)	**34.7**	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Bicarbonate (as CaCO3)	**34.7**	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Carbonate (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Hydroxide (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Carbon, Total Organic	**4.32**	N/A	0.50	mg/L	2026-05-15	
Solids, Total Dissolved	**111**	AO ≤ 500	15	mg/L	2026-05-19	
Temperature, at pH	**21.4**	N/A		°C	2026-05-13	HT2
Haloacetic Acids						
Monochloroacetic Acid	< 0.0035	N/A	0.0020	mg/L	2026-05-20	RA3
Monobromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-05-20	
Dichloroacetic Acid	**0.0154**	N/A	0.0020	mg/L	2026-05-20	
Trichloroacetic Acid	**0.0149**	N/A	0.0020	mg/L	2026-05-20	
Dibromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-05-20	
Total Haloacetic Acids (HAA5)	**0.0302**	MAC = 0.08	0.00352	mg/L	N/A	
Surrogate: 2-Bromopropionic Acid	*108*		*70-130*	%	*2026-05-20*	
Microbiological Parameters						
Coliforms, Total	< 1	MAC = 0	1	CFU/100 mL	2026-05-12	
E. coli	< 1	MAC = 0	1	CFU/100 mL	2026-05-12	
Total Metals						
Aluminum, total	**0.0137**	OG < 0.1	0.0050	mg/L	2026-05-14	
Antimony, total	< 0.00020	MAC = 0.006	0.00020	mg/L	2026-05-14	
Arsenic, total	< 0.00050	MAC = 0.01	0.00050	mg/L	2026-05-14	
Barium, total	**0.0128**	MAC = 2	0.0050	mg/L	2026-05-14	
Beryllium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Bismuth, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Boron, total	< 0.0500	MAC = 5	0.0500	mg/L	2026-05-14	
Cadmium, total	< 0.000010	MAC = 0.007	0.000010	mg/L	2026-05-14	
Calcium, total	**12.8**	None Required	0.20	mg/L	2026-05-14	
Chromium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-05-14	
Cobalt, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Copper, total	**0.00191**	MAC = 2	0.00040	mg/L	2026-05-14	
Iron, total	< 0.010	AO ≤ 0.1	0.010	mg/L	2026-05-14	
Lead, total	< 0.00020	MAC = 0.005	0.00020	mg/L	2026-05-14	
Lithium, total	**0.00070**	N/A	0.00010	mg/L	2026-05-14	
Magnesium, total	**1.78**	None Required	0.010	mg/L	2026-05-14	

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26E1386
PROJECT	Powers Creek Water Service Area - General	**REPORTED**	2026-05-22 13:37

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
MCIVER SS (26E1386-02) | Matrix: Drinking Water | Sampled: 2026-05-12 09:45, Continued						
Total Metals, Continued						
Manganese, total	**0.00236**	MAC = 0.12	0.00020	mg/L	2026-05-14	
Molybdenum, total	**0.00082**	N/A	0.00010	mg/L	2026-05-14	
Nickel, total	< 0.00040	N/A	0.00040	mg/L	2026-05-14	
Phosphorus, total	< 0.050	N/A	0.050	mg/L	2026-05-14	
Potassium, total	**1.10**	N/A	0.10	mg/L	2026-05-14	
Selenium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-05-14	
Silicon, total	**6.4**	N/A	1.0	mg/L	2026-05-14	
Silver, total	< 0.000050	None Required	0.000050	mg/L	2026-05-14	
Sodium, total	**4.63**	AO ≤ 200	0.10	mg/L	2026-05-14	
Strontium, total	**0.0499**	MAC = 7	0.0010	mg/L	2026-05-14	
Sulfur, total	< 3.0	N/A	3.0	mg/L	2026-05-14	
Tellurium, total	< 0.00050	N/A	0.00050	mg/L	2026-05-14	
Thallium, total	< 0.000020	N/A	0.000020	mg/L	2026-05-14	
Thorium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Tin, total	< 0.00020	N/A	0.00020	mg/L	2026-05-14	
Titanium, total	< 0.0050	N/A	0.0050	mg/L	2026-05-14	
Tungsten, total	< 0.0010	N/A	0.0010	mg/L	2026-05-14	
Uranium, total	< 0.000020	MAC = 0.02	0.000020	mg/L	2026-05-14	
Vanadium, total	< 0.0050	N/A	0.0050	mg/L	2026-05-14	
Zinc, total	< 0.0040	AO ≤ 5	0.0040	mg/L	2026-05-14	
Zirconium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Volatile Organic Compounds (VOC)						
Bromodichloromethane	< 0.0010	N/A	0.0010	mg/L	2026-05-15	
Bromoform	< 0.0010	N/A	0.0010	mg/L	2026-05-15	
Chloroform	**0.0369**	N/A	0.0010	mg/L	2026-05-15	
Dibromochloromethane	< 0.0010	N/A	0.0010	mg/L	2026-05-15	
Surrogate: Toluene-d8	*90*		*70-130*	*%*	*2026-05-15*	
Surrogate: 4-Bromofluorobenzene	*88*		*70-130*	*%*	*2026-05-15*	
END OF LINE WQS (26E1386-03) | Matrix: Drinking Water | Sampled: 2026-05-12 09:05						
Calculated Parameters						
Total Trihalomethanes	**0.0420**	MAC = 0.1	0.00400	mg/L	N/A	
Hardness, Total (as CaCO3)	**37.4**	None Required	0.500	mg/L	N/A	
Langelier Index	**-1.7**	N/A	-5.0		2026-05-15	CT9
Field Parameters						
Chlorine, Free	**0.59**	N/A	0.02	mg/L	2026-05-12	
pH	**7.1**	7.0-10.5	0.1	pH units	2026-05-12	
Turbidity	**0.11**	OG < 1	0.10	NTU	2026-05-12	
General Parameters						
Alkalinity, Total (as CaCO3)	**40.3**	N/A	1.0	mg/L	2026-05-13	

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26E1386
PROJECT	Powers Creek Water Service Area - General	**REPORTED**	2026-05-22 13:37

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
END OF LINE WQS (26E1386-03) | Matrix: Drinking Water | Sampled: 2026-05-12 09:05, Continued						
General Parameters, Continued						
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Bicarbonate (as CaCO3)	**40.3**	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Carbonate (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Hydroxide (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Carbon, Total Organic	**3.65**	N/A	0.50	mg/L	2026-05-15	
Solids, Total Dissolved	**70**	AO ≤ 500	15	mg/L	2026-05-14	
Temperature, at pH	**21.5**	N/A		°C	2026-05-13	HT2
Haloacetic Acids						
Monochloroacetic Acid	< 0.0030	N/A	0.0020	mg/L	2026-05-20	RA3
Monobromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-05-20	
Dichloroacetic Acid	**0.0161**	N/A	0.0020	mg/L	2026-05-20	
Trichloroacetic Acid	**0.0175**	N/A	0.0020	mg/L	2026-05-20	
Dibromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-05-20	
Total Haloacetic Acids (HAA5)	**0.0336**	MAC = 0.08	0.00299	mg/L	N/A	
Surrogate: 2-Bromopropionic Acid	*108*		*70-130*	%	*2026-05-20*	
Microbiological Parameters						
Coliforms, Total	< 1	MAC = 0	1	CFU/100 mL	2026-05-12	
E. coli	< 1	MAC = 0	1	CFU/100 mL	2026-05-12	
Total Metals						
Aluminum, total	**0.0117**	OG < 0.1	0.0050	mg/L	2026-05-14	
Antimony, total	< 0.00020	MAC = 0.006	0.00020	mg/L	2026-05-14	
Arsenic, total	< 0.00050	MAC = 0.01	0.00050	mg/L	2026-05-14	
Barium, total	**0.0126**	MAC = 2	0.0050	mg/L	2026-05-14	
Beryllium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Bismuth, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Boron, total	< 0.0500	MAC = 5	0.0500	mg/L	2026-05-14	
Cadmium, total	< 0.000010	MAC = 0.007	0.000010	mg/L	2026-05-14	
Calcium, total	**12.3**	None Required	0.20	mg/L	2026-05-14	
Chromium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-05-14	
Cobalt, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Copper, total	**0.00553**	MAC = 2	0.00040	mg/L	2026-05-14	
Iron, total	< 0.010	AO ≤ 0.1	0.010	mg/L	2026-05-14	
Lead, total	**0.00055**	MAC = 0.005	0.00020	mg/L	2026-05-14	
Lithium, total	**0.00065**	N/A	0.00010	mg/L	2026-05-14	
Magnesium, total	**1.59**	None Required	0.010	mg/L	2026-05-14	
Manganese, total	**0.00442**	MAC = 0.12	0.00020	mg/L	2026-05-14	
Molybdenum, total	**0.00083**	N/A	0.00010	mg/L	2026-05-14	
Nickel, total	< 0.00040	N/A	0.00040	mg/L	2026-05-14	
Phosphorus, total	< 0.050	N/A	0.050	mg/L	2026-05-14	
Potassium, total	**1.02**	N/A	0.10	mg/L	2026-05-14	
Selenium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-05-14	

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26E1386
PROJECT	Powers Creek Water Service Area - General	**REPORTED**	2026-05-22 13:37

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
END OF LINE WQS (26E1386-03) | Matrix: Drinking Water | Sampled: 2026-05-12 09:05, Continued						
Total Metals, Continued						
Silicon, total	**5.9**	N/A	1.0	mg/L	2026-05-14	
Silver, total	< 0.000050	None Required	0.000050	mg/L	2026-05-14	
Sodium, total	**4.54**	AO ≤ 200	0.10	mg/L	2026-05-14	
Strontium, total	**0.0502**	MAC = 7	0.0010	mg/L	2026-05-14	
Sulfur, total	< 3.0	N/A	3.0	mg/L	2026-05-14	
Tellurium, total	< 0.00050	N/A	0.00050	mg/L	2026-05-14	
Thallium, total	< 0.000020	N/A	0.000020	mg/L	2026-05-14	
Thorium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Tin, total	< 0.00020	N/A	0.00020	mg/L	2026-05-14	
Titanium, total	< 0.0050	N/A	0.0050	mg/L	2026-05-14	
Tungsten, total	< 0.0010	N/A	0.0010	mg/L	2026-05-14	
Uranium, total	< 0.000020	MAC = 0.02	0.000020	mg/L	2026-05-14	
Vanadium, total	< 0.0050	N/A	0.0050	mg/L	2026-05-14	
Zinc, total	< 0.0040	AO ≤ 5	0.0040	mg/L	2026-05-14	
Zirconium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Volatile Organic Compounds (VOC)						
Bromodichloromethane	**0.0012**	N/A	0.0010	mg/L	2026-05-15	
Bromoform	< 0.0010	N/A	0.0010	mg/L	2026-05-15	
Chloroform	**0.0408**	N/A	0.0010	mg/L	2026-05-15	
Dibromochloromethane	< 0.0010	N/A	0.0010	mg/L	2026-05-15	
Surrogate: Toluene-d8	*89*		*70-130*	*%*	*2026-05-15*	
Surrogate: 4-Bromofluorobenzene	*87*		*70-130*	*%*	*2026-05-15*	
BULK WATER STN (26E1386-04) | Matrix: Drinking Water | Sampled: 2026-05-12 11:07						
Calculated Parameters						
Total Trihalomethanes	**0.0347**	MAC = 0.1	0.00400	mg/L	N/A	
Hardness, Total (as CaCO3)	**41.1**	None Required	0.500	mg/L	N/A	
Langelier Index	**-1.8**	N/A	-5.0		2026-05-20	CT9
Field Parameters						
Chlorine, Free	**0.71**	N/A	0.02	mg/L	2026-05-12	
pH	**7.0**	7.0-10.5	0.1	pH units	2026-05-12	
Turbidity	**0.19**	OG < 1	0.10	NTU	2026-05-12	
General Parameters						
Alkalinity, Total (as CaCO3)	**35.3**	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Bicarbonate (as CaCO3)	**35.3**	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Carbonate (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Hydroxide (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Carbon, Total Organic	**3.84**	N/A	0.50	mg/L	2026-05-15	
Solids, Total Dissolved	**103**	AO ≤ 500	15	mg/L	2026-05-19	

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26E1386
PROJECT	Powers Creek Water Service Area - General	**REPORTED**	2026-05-22 13:37

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
BULK WATER STN (26E1386-04) | Matrix: Drinking Water | Sampled: 2026-05-12 11:07, Continued						
General Parameters, Continued						
Temperature, at pH	**21.9**	N/A		°C	2026-05-13	HT2
Haloacetic Acids						
Monochloroacetic Acid	< 0.0031	N/A	0.0020	mg/L	2026-05-20	RA3
Monobromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-05-20	
Dichloroacetic Acid	**0.0129**	N/A	0.0020	mg/L	2026-05-20	
Trichloroacetic Acid	**0.0131**	N/A	0.0020	mg/L	2026-05-20	
Dibromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-05-20	
Total Haloacetic Acids (HAA5)	**0.0260**	MAC = 0.08	0.00314	mg/L	N/A	
Surrogate: 2-Bromopropionic Acid	*110*		*70-130*	*%*	*2026-05-20*	
Microbiological Parameters						
Coliforms, Total	< 1	MAC = 0	1	CFU/100 mL	2026-05-12	
E. coli	< 1	MAC = 0	1	CFU/100 mL	2026-05-12	
Total Metals						
Aluminum, total	**0.0161**	OG < 0.1	0.0050	mg/L	2026-05-16	
Antimony, total	< 0.00020	MAC = 0.006	0.00020	mg/L	2026-05-16	
Arsenic, total	< 0.00050	MAC = 0.01	0.00050	mg/L	2026-05-16	
Barium, total	**0.0131**	MAC = 2	0.0050	mg/L	2026-05-16	
Beryllium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-16	
Bismuth, total	< 0.00010	N/A	0.00010	mg/L	2026-05-16	
Boron, total	< 0.0500	MAC = 5	0.0500	mg/L	2026-05-16	
Cadmium, total	< 0.000010	MAC = 0.007	0.000010	mg/L	2026-05-16	
Calcium, total	**13.5**	None Required	0.20	mg/L	2026-05-16	
Chromium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-05-16	
Cobalt, total	< 0.00010	N/A	0.00010	mg/L	2026-05-16	
Copper, total	**0.00061**	MAC = 2	0.00040	mg/L	2026-05-16	
Iron, total	< 0.010	AO ≤ 0.1	0.010	mg/L	2026-05-16	
Lead, total	**0.00041**	MAC = 0.005	0.00020	mg/L	2026-05-16	
Lithium, total	**0.00074**	N/A	0.00010	mg/L	2026-05-16	
Magnesium, total	**1.78**	None Required	0.010	mg/L	2026-05-16	
Manganese, total	**0.00643**	MAC = 0.12	0.00020	mg/L	2026-05-16	
Molybdenum, total	**0.00080**	N/A	0.00010	mg/L	2026-05-16	
Nickel, total	**0.00065**	N/A	0.00040	mg/L	2026-05-16	
Phosphorus, total	< 0.050	N/A	0.050	mg/L	2026-05-16	
Potassium, total	**1.09**	N/A	0.10	mg/L	2026-05-16	
Selenium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-05-16	
Silicon, total	**6.4**	N/A	1.0	mg/L	2026-05-16	
Silver, total	< 0.000050	None Required	0.000050	mg/L	2026-05-16	
Sodium, total	**4.54**	AO ≤ 200	0.10	mg/L	2026-05-16	
Strontium, total	**0.0472**	MAC = 7	0.0010	mg/L	2026-05-16	
Sulfur, total	< 3.0	N/A	3.0	mg/L	2026-05-16	
Tellurium, total	< 0.00050	N/A	0.00050	mg/L	2026-05-16	

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26E1386
PROJECT	Powers Creek Water Service Area - General	**REPORTED**	2026-05-22 13:37

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
BULK WATER STN (26E1386-04) | Matrix: Drinking Water | Sampled: 2026-05-12 11:07, Continued						
Total Metals, Continued						
Thallium, total	< 0.000020	N/A	0.000020	mg/L	2026-05-16	
Thorium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-16	
Tin, total	< 0.00020	N/A	0.00020	mg/L	2026-05-16	
Titanium, total	< 0.0050	N/A	0.0050	mg/L	2026-05-16	
Tungsten, total	< 0.0010	N/A	0.0010	mg/L	2026-05-16	
Uranium, total	< 0.000020	MAC = 0.02	0.000020	mg/L	2026-05-16	
Vanadium, total	< 0.0050	N/A	0.0050	mg/L	2026-05-16	
Zinc, total	< 0.0040	AO ≤ 5	0.0040	mg/L	2026-05-16	
Zirconium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-16	
Volatile Organic Compounds (VOC)						
Bromodichloromethane	< 0.0010	N/A	0.0010	mg/L	2026-05-15	
Bromoform	< 0.0010	N/A	0.0010	mg/L	2026-05-15	
Chloroform	**0.0347**	N/A	0.0010	mg/L	2026-05-15	
Dibromochloromethane	< 0.0010	N/A	0.0010	mg/L	2026-05-15	
Surrogate: Toluene-d8	*90*		*70-130*	%	*2026-05-15*	
Surrogate: 4-Bromofluorobenzene	*90*		*70-130*	%	*2026-05-15*	

Sample Qualifiers:

CT9	Results were based on lab temperature.
HT2	The 15 minute recommended holding time (from sampling to analysis) has been exceeded - field analysis is recommended.
RA3	The Reporting Limit has been raised due to comparable level detected in the blank(s).