

CITY OF WEST KELOWNA

Monthly Water Quality Report



Powers Creek Water Service Area
July 2026

WATER SUPPLY AND TREATMENT





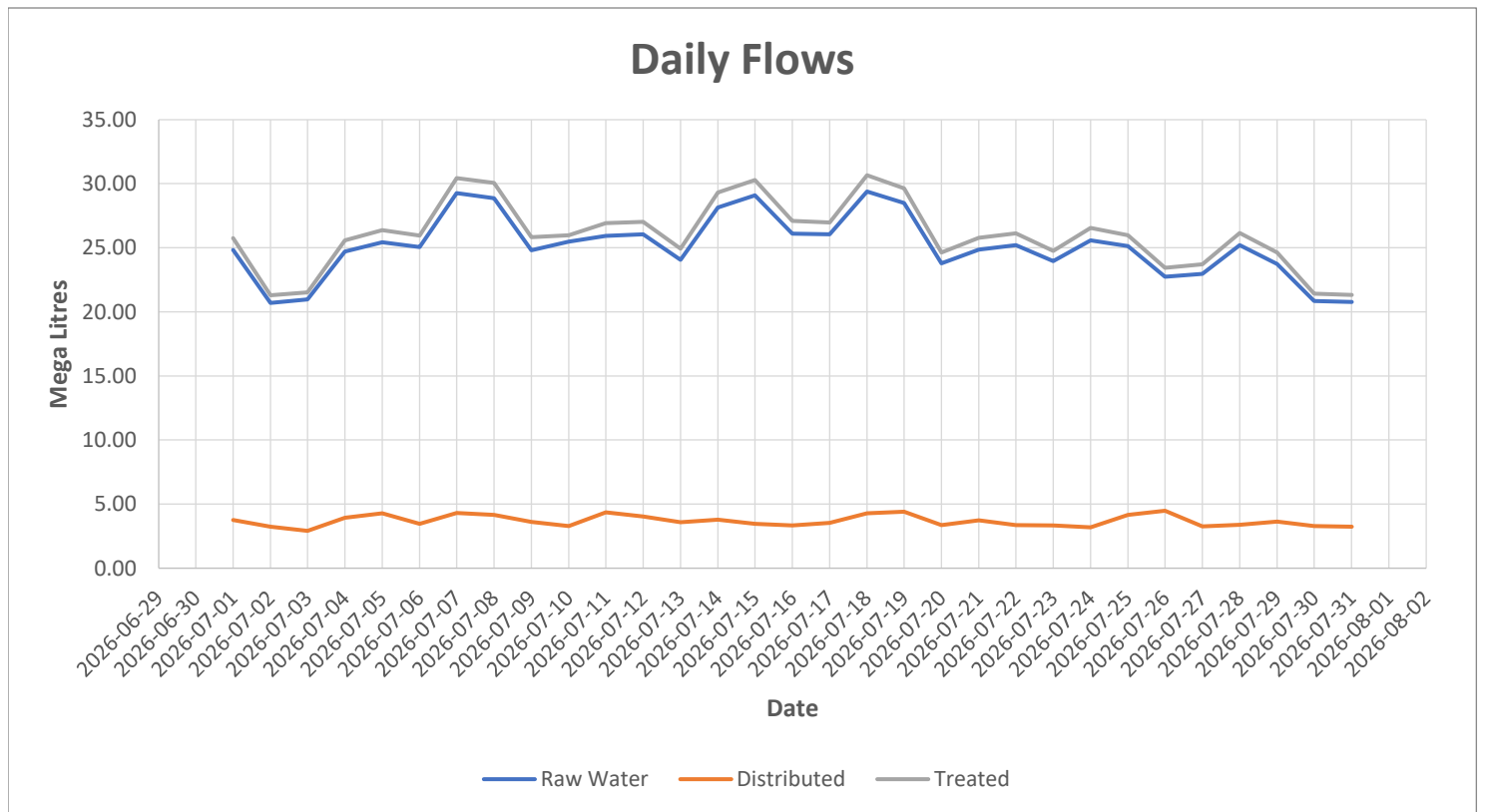
Powers Creek Water Treatment Plant Monthly Water Quality Summary

2026-08-10

July, 2026

Flow Demand:

	Total for Month
Raw Processed Water:	778.18 ML
Treated Water :	806.10 ML
Distributed Water :	113.98 ML
Backwash Water :	28.67 ML



Notes:

Raw Water Specifications:

Date	Raw Turbidity (NTU)			Raw pH		
	Min	Max	Average	Min	Max	Average
2026-07-01	1.28	4.48	2.02	7.86	8.22	7.98
2026-07-02	1.02	7.18	1.73	7.83	8.25	8.00
2026-07-03	0.92	5.23	1.49	7.83	8.29	8.02
2026-07-04	1.13	4.06	1.62	7.71	8.16	7.99
2026-07-05	1.36	5.91	2.13	7.60	8.08	7.81
2026-07-06	0.11	13.62	1.86	7.47	8.31	7.84
2026-07-07	1.06	3.75	1.44	7.78	8.28	7.98
2026-07-08	1.31	4.29	1.88	7.75	8.35	7.97
2026-07-09	1.20	3.61	1.88	7.58	8.23	7.84
2026-07-10	1.03	6.19	1.48	7.67	8.14	7.88
2026-07-11	0.99	4.76	1.33	7.77	8.23	7.96
2026-07-12	0.46	4.01	1.42	7.71	8.31	7.94
2026-07-13	0.52	2.76	0.96	7.55	8.40	7.88
2026-07-14	0.97	6.61	1.73	7.59	8.29	7.91
2026-07-15	1.07	5.94	1.64	7.58	8.24	7.90
2026-07-16	0.96	4.32	1.51	7.57	8.26	7.87
2026-07-17	0.70	5.78	1.45	7.61	8.20	7.92
2026-07-18	1.13	3.03	1.56	7.59	8.27	7.87
2026-07-19	0.84	2.49	1.32	7.50	8.31	7.86
2026-07-20	0.86	1.99	1.09	7.55	8.33	7.94
2026-07-21	0.89	19.72	1.46	7.76	8.32	8.00
2026-07-22	0.88	3.62	1.18	7.66	8.29	7.94
2026-07-23	1.00	3.99	1.44	7.65	8.10	7.87
2026-07-24	1.07	5.27	1.51	7.63	8.29	7.93
2026-07-25	1.26	6.39	1.90	7.69	8.17	7.86
2026-07-26	0.86	2.66	1.39	7.65	8.19	7.88
2026-07-27	0.89	4.62	1.24	7.64	8.04	7.85
2026-07-28	0.83	3.55	1.17	7.44	8.02	7.67
2026-07-29	0.82	3.30	1.07	7.45	8.00	7.64
2026-07-30	0.65	5.09	0.91	7.47	8.09	7.71
2026-07-31	0.69	4.26	0.98	7.43	8.04	7.70

Notes:

Raw Water Specifications (Continued):

Date	Raw Temp (°C)			Raw DOC (mg/L)		
	Min	Max	Average	Min	Max	Average
2026-07-01	13.15	15.00	13.93	7.83	8.40	8.13
2026-07-02	12.22	14.74	13.56	7.81	8.56	8.20
2026-07-03	12.71	15.52	14.13	7.35	7.94	7.68
2026-07-04	13.94	21.83	17.03	7.23	100.13	7.80
2026-07-05	13.61	21.58	19.38	7.40	100.18	8.20
2026-07-06	12.59	21.17	15.94	7.04	100.17	7.69
2026-07-07	13.86	17.24	15.53	7.20	8.22	7.84
2026-07-08	15.14	17.96	16.46	8.22	8.91	8.65
2026-07-09	14.39	17.06	15.80	7.86	8.75	8.45
2026-07-10	14.57	16.57	15.62	7.63	8.12	7.84
2026-07-11	15.48	17.16	16.25	7.64	8.26	8.00
2026-07-12	14.67	17.61	16.00	7.66	8.43	8.09
2026-07-13	13.56	17.08	15.37	7.25	7.98	7.68
2026-07-14	13.81	22.55	17.13	7.20	8.72	7.91
2026-07-15	15.41	18.27	16.83	6.88	9.19	8.83
2026-07-16	16.26	19.09	17.52	9.26	11.27	9.56
2026-07-17	16.82	19.42	18.10	1.47	10.36	10.19
2026-07-18	16.55	18.83	17.59	10.05	10.74	10.43
2026-07-19	14.98	18.02	16.48	10.23	10.85	10.58
2026-07-20	15.29	18.45	16.83	???	12.55	9.23
2026-07-21	16.45	19.42	18.00	8.67	9.21	9.03
2026-07-22	16.99	19.74	18.39	8.90	9.21	9.05
2026-07-23	17.24	19.51	18.29	8.84	9.30	9.08
2026-07-24	16.83	20.08	18.37	8.86	9.30	9.08
2026-07-25	17.44	19.56	18.32	8.88	9.95	9.59
2026-07-26	15.73	17.84	16.88	9.51	10.06	9.83
2026-07-27	16.22	18.39	17.37	6.08	50.95	9.18
2026-07-28	15.83	18.04	17.04	8.58	9.07	8.86
2026-07-29	14.98	17.35	16.24	8.52	9.00	8.79
2026-07-30	14.60	17.35	16.00	8.58	8.95	8.77
2026-07-31	14.81	17.68	16.33	8.59	8.93	8.79

Notes:

July 20th - DOC cleaning, analyzer not registering.

Raw Water Specifications (Continued):

Date	Raw Cond (µS/cm)			Streaming Current		
	Min	Max	Average	Min	Max	Average
2026-07-01	87.68	90.53	90.13	-1.83	28.66	10.98
2026-07-02	57.38	91.04	89.81	-31.90	35.27	5.39
2026-07-03	85.87	91.47	89.94	-34.80	-3.88	-22.44
2026-07-04	88.90	91.25	90.15	-34.80	-7.12	-21.01
2026-07-05	88.23	90.27	89.32	-42.86	-0.95	-19.02
2026-07-06	88.78	90.69	89.71	-31.99	9.49	-14.48
2026-07-07	88.27	90.14	89.23	-30.68	-0.07	-19.30
2026-07-08	0.42	88.61	87.71	-39.62	-13.99	-28.04
2026-07-09	72.01	87.56	87.31	-36.76	-1.66	-17.82
2026-07-10	67.05	87.62	87.18	-20.83	18.72	2.64
2026-07-11	85.97	87.85	86.59	-34.71	33.36	-1.94
2026-07-12	84.93	87.11	86.07	-54.71	67.81	-4.15
2026-07-13	76.67	86.97	86.38	-7.12	24.71	7.76
2026-07-14	57.42	87.23	86.07	-21.98	22.73	4.11
2026-07-15	87.55	88.63	87.93	-27.87	9.42	-10.22
2026-07-16	0.01	88.24	87.48	-33.88	9.45	-9.66
2026-07-17	86.17	89.76	87.99	-28.77	9.42	-11.09
2026-07-18	86.47	88.41	87.72	-39.62	-5.05	-23.94
2026-07-19	83.89	86.02	85.43	-25.89	12.52	-7.12
2026-07-20	-0.28	87.88	86.81	-20.00	5.44	-6.28
2026-07-21	80.38	89.02	88.01	-33.85	2.10	-12.33
2026-07-22	87.94	89.34	88.56	-45.72	-27.87	-38.67
2026-07-23	86.50	89.58	88.58	-44.96	-22.67	-36.79
2026-07-24	75.53	89.55	88.48	-46.89	-29.82	-37.94
2026-07-25	86.63	88.15	87.65	-47.75	-21.83	-33.56
2026-07-26	86.67	88.72	87.14	-34.78	-7.08	-20.96
2026-07-27	-0.05	88.90	87.83	-53.76	-2.98	-14.41
2026-07-28	87.58	88.56	87.93	-17.11	3.32	-10.90
2026-07-29	81.68	88.03	87.55	-32.73	-0.81	-15.67
2026-07-30	82.50	87.24	86.80	-39.72	-27.77	-33.46
2026-07-31	86.36	87.59	86.83	-49.73	-17.14	-34.70

Notes:

Raw Water Specifications (Continued):

Date	Coagulated pH			Coagulated Temp (°C)		
	Min	Max	Average	Min	Max	Average
2026-07-01	6.99	7.09	7.05	13.69	15.01	14.39
2026-07-02	6.98	7.03	7.00	13.09	14.73	13.99
2026-07-03	6.98	7.03	7.00	13.21	15.56	14.30
2026-07-04	6.97	7.05	7.00	13.91	16.66	15.31
2026-07-05	6.96	7.01	6.98	14.49	16.03	15.34
2026-07-06	6.94	7.02	6.97	12.71	16.24	14.65
2026-07-07	6.89	7.00	6.95	14.17	17.26	15.68
2026-07-08	6.89	6.95	6.93	15.27	17.67	16.57
2026-07-09	6.88	6.95	6.91	14.76	16.74	15.89
2026-07-10	6.86	6.90	6.88	14.82	16.82	15.80
2026-07-11	6.81	6.92	6.87	15.82	17.24	16.42
2026-07-12	6.85	6.98	6.90	15.16	17.11	16.14
2026-07-13	6.78	6.88	6.85	13.95	16.43	15.42
2026-07-14	6.86	6.87	6.86	14.29	17.44	15.64
2026-07-15	6.83	6.91	6.87	15.76	18.36	16.91
2026-07-16	6.80	6.91	6.84	16.68	20.48	17.90
2026-07-17	6.78	6.86	6.84	17.08	19.47	18.25
2026-07-18	6.85	6.99	6.90	16.77	18.38	17.74
2026-07-19	6.82	6.90	6.87	15.66	18.26	16.83
2026-07-20	6.83	6.89	6.86	16.34	18.44	17.28
2026-07-21	6.79	6.90	6.85	16.88	19.44	18.02
2026-07-22	6.87	6.96	6.93	17.61	19.94	18.65
2026-07-23	6.84	6.96	6.91	17.77	19.04	18.50
2026-07-24	6.89	6.98	6.94	17.58	20.14	18.70
2026-07-25	6.83	6.98	6.91	18.09	19.02	18.68
2026-07-26	6.84	6.92	6.87	16.98	18.52	17.77
2026-07-27	6.79	6.85	6.83	17.28	18.95	18.09
2026-07-28	6.83	6.86	6.85	16.85	18.60	17.78
2026-07-29	6.77	6.91	6.85	16.07	17.89	17.12
2026-07-30	6.89	6.93	6.91	16.04	18.17	17.07
2026-07-31	6.89	6.95	6.91	14.88	20.81	16.58

Notes:

Train 1 Filter Turbidity (NTU):

Date	Filter 1			Filter 2			Filter 3		
	Min	Max	Average	Min	Max	Average	Min	Max	Average
2026-07-01	0.02	0.05	0.03	0.02	0.04	0.02	0.01	0.05	0.02
2026-07-02	0.02	0.02	0.02	0.02	0.06	0.03	0.01	0.01	0.01
2026-07-03	0.02	0.05	0.02	0.02	0.02	0.02	0.01	0.04	0.01
2026-07-04	0.02	0.03	0.02	0.01	0.05	0.02	0.01	0.01	0.01
2026-07-05	0.02	0.05	0.02	0.02	0.04	0.02	0.01	0.04	0.01
2026-07-06	0.01	0.04	0.02	0.02	0.06	0.02	0.01	0.02	0.01
2026-07-07	0.01	0.06	0.02	0.02	0.03	0.02	0.01	0.04	0.01
2026-07-08	0.01	0.05	0.03	0.02	0.06	0.02	0.01	0.01	0.01
2026-07-09	0.01	0.05	0.02	0.02	0.03	0.02	0.01	0.04	0.02
2026-07-10	0.02	0.06	0.02	0.02	0.06	0.02	0.01	0.01	0.01
2026-07-11	0.02	0.06	0.02	0.01	0.03	0.02	0.01	0.04	0.01
2026-07-12	0.02	0.05	0.02	0.02	0.06	0.02	0.01	0.02	0.01
2026-07-13	0.02	0.06	0.03	0.02	0.04	0.02	0.01	0.03	0.01
2026-07-14	0.02	0.04	0.02	0.02	0.05	0.02	0.01	0.01	0.01
2026-07-15	0.02	0.06	0.03	0.02	0.03	0.02	0.01	0.03	0.01
2026-07-16	0.03	0.04	0.03	0.02	0.06	0.02	0.01	0.01	0.01
2026-07-17	0.03	0.21	0.03	0.02	0.03	0.03	0.01	0.04	0.02
2026-07-18	0.00	0.20	0.02	0.02	0.06	0.02	0.01	0.01	0.01
2026-07-19	0.01	0.08	0.03	0.02	0.02	0.02	0.01	0.03	0.01
2026-07-20	0.01	0.04	0.02	0.02	0.23	0.03	0.01	0.01	0.01
2026-07-21	0.02	0.05	0.02	0.02	0.03	0.02	0.01	0.03	0.01
2026-07-22	0.02	0.04	0.02	0.02	0.06	0.03	0.01	0.01	0.01
2026-07-23	0.02	0.04	0.02	0.02	0.03	0.02	0.01	0.03	0.01
2026-07-24	0.02	0.04	0.02	0.02	0.06	0.02	0.01	0.01	0.01
2026-07-25	0.02	0.06	0.03	0.02	0.06	0.03	0.01	0.05	0.02
2026-07-26	0.02	0.05	0.03	0.02	0.08	0.03	0.01	0.03	0.02
2026-07-27	0.02	0.07	0.03	0.02	0.03	0.02	0.01	0.06	0.02
2026-07-28	0.02	0.04	0.03	0.02	0.07	0.02	0.01	0.02	0.01
2026-07-29	0.02	0.06	0.03	0.02	0.03	0.02	0.01	0.04	0.01
2026-07-30	0.02	0.03	0.02	0.02	0.05	0.02	0.01	0.02	0.01
2026-07-31	0.02	0.05	0.02	0.02	0.03	0.02	0.01	0.04	0.01

Notes:

Train 2 Filter Turbidity (NTU)

	Filter 4			Filter 5			Filter 6		
Date	Min	Max	Average	Min	Max	Average	Min	Max	Average
2026-07-01	0.02	0.03	0.02	0.00	0.11	0.03	0.01	0.01	0.01
2026-07-02	0.02	0.40	0.03	0.00	0.05	0.03	0.01	0.05	0.01
2026-07-03	0.01	0.03	0.02	0.00	0.05	0.03	0.01	0.01	0.01
2026-07-04	0.02	0.05	0.02	0.01	0.04	0.02	0.01	0.04	0.01
2026-07-05	0.01	0.03	0.02	0.01	0.05	0.02	0.01	0.02	0.01
2026-07-06	0.01	0.05	0.02	0.01	0.06	0.02	0.01	0.03	0.01
2026-07-07	0.01	0.03	0.02	0.01	0.08	0.03	0.01	0.01	0.01
2026-07-08	0.01	0.04	0.02	0.02	0.05	0.03	0.01	0.04	0.01
2026-07-09	0.01	0.02	0.02	0.00	0.25	0.03	0.01	0.04	0.01
2026-07-10	0.01	0.04	0.02	0.00	0.09	0.02	0.01	0.03	0.01
2026-07-11	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01
2026-07-12	0.01	0.05	0.02	0.02	0.02	0.02	0.01	0.03	0.01
2026-07-13	0.01	0.03	0.02	0.00	0.07	0.03	0.01	0.01	0.01
2026-07-14	0.01	0.04	0.02	0.01	0.04	0.02	0.01	0.03	0.01
2026-07-15	0.01	0.02	0.02	0.02	0.07	0.03	0.01	0.02	0.01
2026-07-16	0.01	0.03	0.02	0.02	0.04	0.03	0.01	0.03	0.01
2026-07-17	0.00	0.02	0.01	0.02	0.07	0.02	0.01	0.01	0.01
2026-07-18	0.01	0.02	0.01	0.02	0.02	0.02	0.01	0.03	0.01
2026-07-19	0.01	0.02	0.01	0.02	0.06	0.02	0.01	0.01	0.01
2026-07-20	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.01
2026-07-21	0.01	0.02	0.01	0.01	0.04	0.01	0.01	0.01	0.01
2026-07-22	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.03	0.01
2026-07-23	0.01	0.02	0.02	0.01	0.04	0.02	0.01	0.01	0.01
2026-07-24	0.01	0.04	0.02	0.01	0.01	0.02	0.01	0.04	0.02
2026-07-25	0.01	0.02	0.02	0.02	0.05	0.02	0.01	0.02	0.01
2026-07-26	0.02	0.05	0.03	0.02	0.04	0.02	0.01	0.05	0.02
2026-07-27	0.01	0.03	0.02	0.02	0.06	0.02	0.01	0.02	0.02
2026-07-28	0.01	0.05	0.02	0.02	0.02	0.02	0.01	0.05	0.02
2026-07-29	0.01	0.02	0.02	0.02	0.05	0.02	0.01	0.01	0.01
2026-07-30	0.01	0.04	0.02	0.01	0.01	0.01	0.01	0.04	0.01
2026-07-31	0.01	0.02	0.02	0.02	0.05	0.02	0.01	0.01	0.01

Notes:

UV Treatment:

	Average Flow	Avg Validated Dose	UV Availability
Date	(L/s)	(mj/cm2)	(%)
2026-07-01	223.99	26.53	99.93
2026-07-02	295.68	21.70	99.93
2026-07-03	220.63	26.10	99.93
2026-07-04	272.70	23.43	99.93
2026-07-05	235.26	26.30	99.93
2026-07-06	338.33	20.70	99.93
2026-07-07	332.91	21.40	99.93
2026-07-08	393.83	20.73	99.93
2026-07-09	377.31	20.30	99.93
2026-07-10	343.62	21.80	99.93
2026-07-11	429.61	20.83	99.93
2026-07-12	284.19	22.63	99.90
2026-07-13	317.76	22.20	96.84
2026-07-14	384.45	20.60	99.93
2026-07-15	398.31	21.27	99.93
2026-07-16	404.39	20.97	99.93
2026-07-17	344.98	21.20	99.93
2026-07-18	378.74	21.30	99.93
2026-07-19	333.34	20.80	99.93
2026-07-20	339.51	21.20	99.93
2026-07-21	341.54	21.30	99.93
2026-07-22	348.05	20.53	99.93
2026-07-23	324.23	20.67	99.93
2026-07-24	364.59	21.80	99.93
2026-07-25	289.75	21.77	99.93
2026-07-26	221.86	22.67	99.93
2026-07-27	251.17	20.37	99.93
2026-07-28	354.94	21.10	99.93
2026-07-29	220.74	99.93	99.93
2026-07-30	273.73	99.93	99.93
2026-07-31	226.75	99.93	99.93

Notes:

UV Transmittance %:

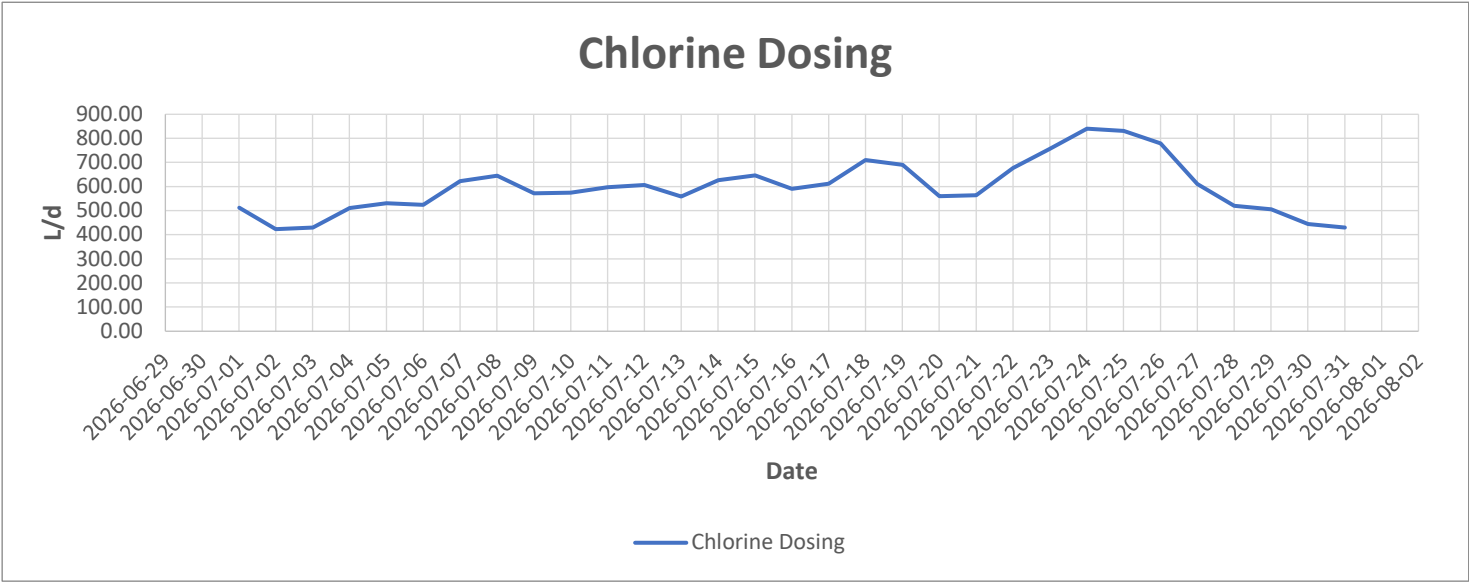
Date	Min	Max	Average
2026-07-01	89.60	91.50	90.31
2026-07-02	89.40	91.00	89.95
2026-07-03	89.80	92.00	90.61
2026-07-04	90.10	91.60	90.91
2026-07-05	90.00	91.50	90.76
2026-07-06	90.10	92.20	90.92
2026-07-07	90.00	91.60	90.66
2026-07-08	89.10	90.90	89.83
2026-07-09	89.70	91.10	90.19
2026-07-10	90.60	92.30	91.20
2026-07-11	90.50	91.80	91.11
2026-07-12	90.50	93.40	91.08
2026-07-13	91.10	92.80	91.65
2026-07-14	90.10	93.20	91.64
2026-07-15	89.80	90.70	90.15
2026-07-16	88.60	90.20	89.53
2026-07-17	88.50	89.70	88.79
2026-07-18	88.80	91.40	89.27
2026-07-19	87.00	92.80	89.58
2026-07-20	89.40	92.80	89.79
2026-07-21	89.10	91.60	89.82
2026-07-22	88.70	90.60	89.25
2026-07-23	88.60	89.50	88.87
2026-07-24	88.50	90.40	88.95
2026-07-25	88.00	89.90	88.78
2026-07-26	87.70	88.70	88.19
2026-07-27	87.80	89.50	88.57
2026-07-28	88.80	90.00	89.19
2026-07-29	89.10	90.10	89.47
2026-07-30	89.20	90.40	89.60
2026-07-31	89.10	90.20	89.59

Notes:

Chemical Demand:

Chlorine Used:

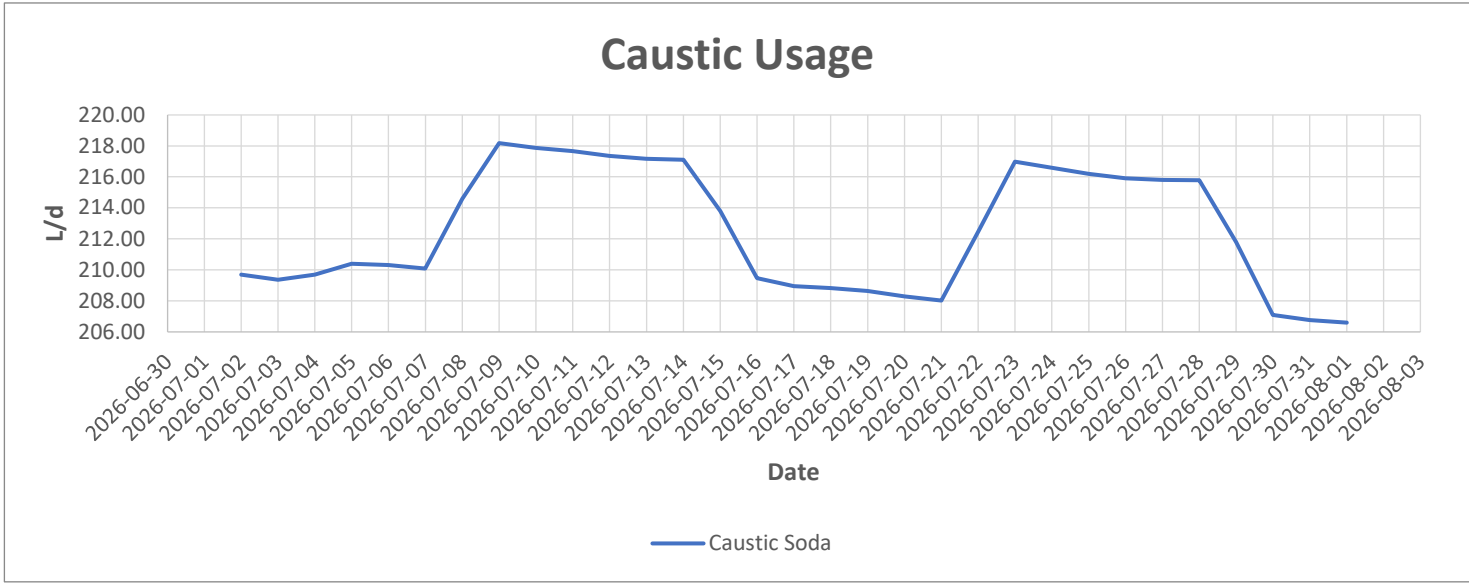
Total for Month
18488.80 L



Notes:

Caustic Soda Used:

Total for Month
6587.29 Litres

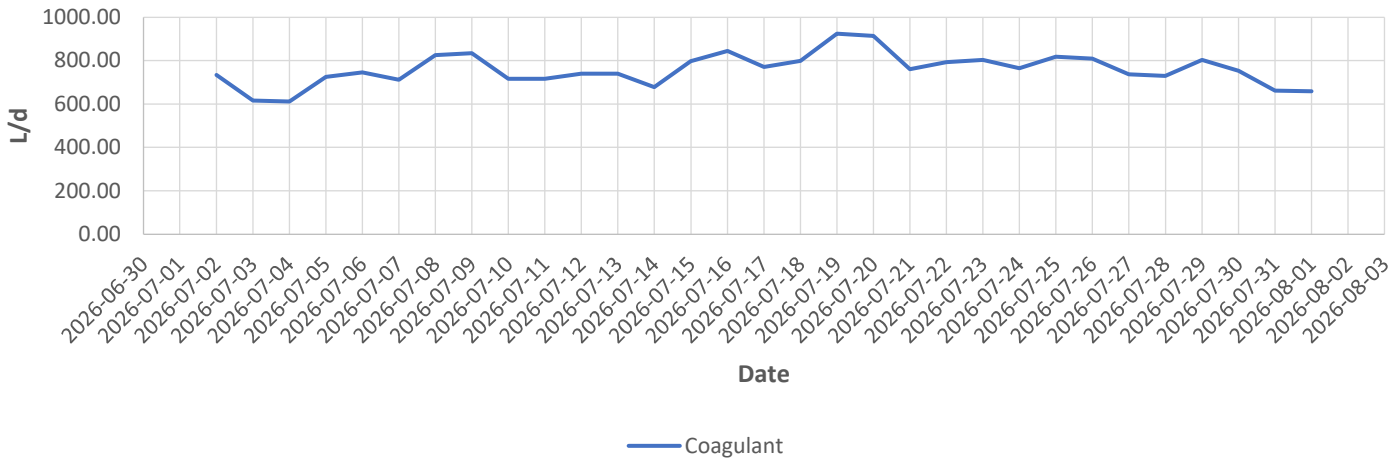


Notes:

Coagulant Used:

Total for Month
23541.81 Litres

Coagulant Usage



Notes:

DAF & Residual DAF Neat Polymer

Total for Month
861.14 L

Centrifuge Neat Polymer

Total for Month
1547.86 L

Chlorine Dose

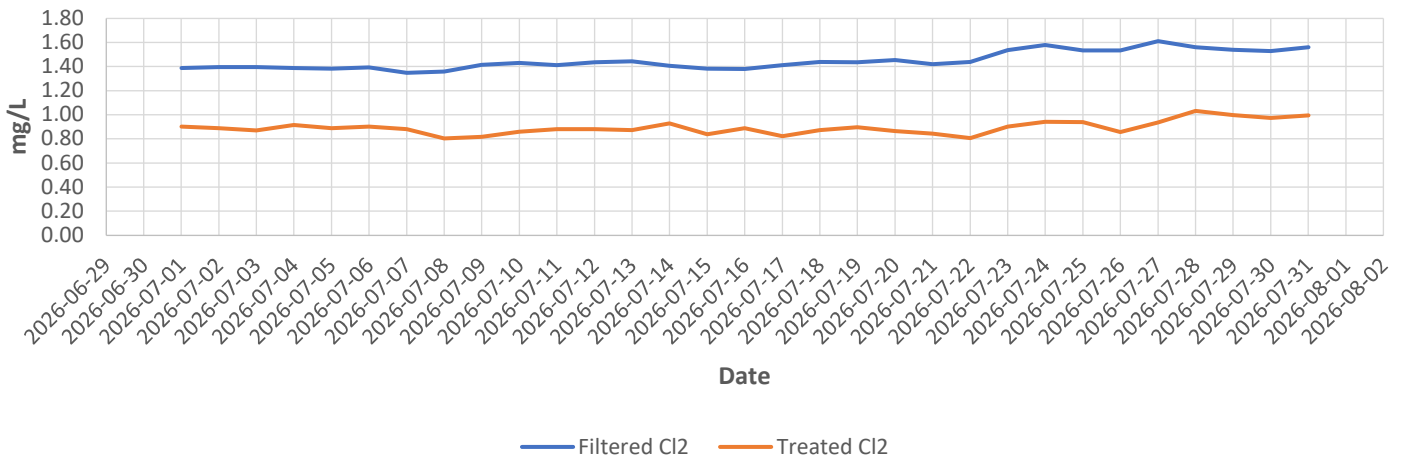
Filtered Water Residual Cl2 Average (mg/L):

1.45 mg/L

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

0.89 mg/L

Average Residual CL2 Content

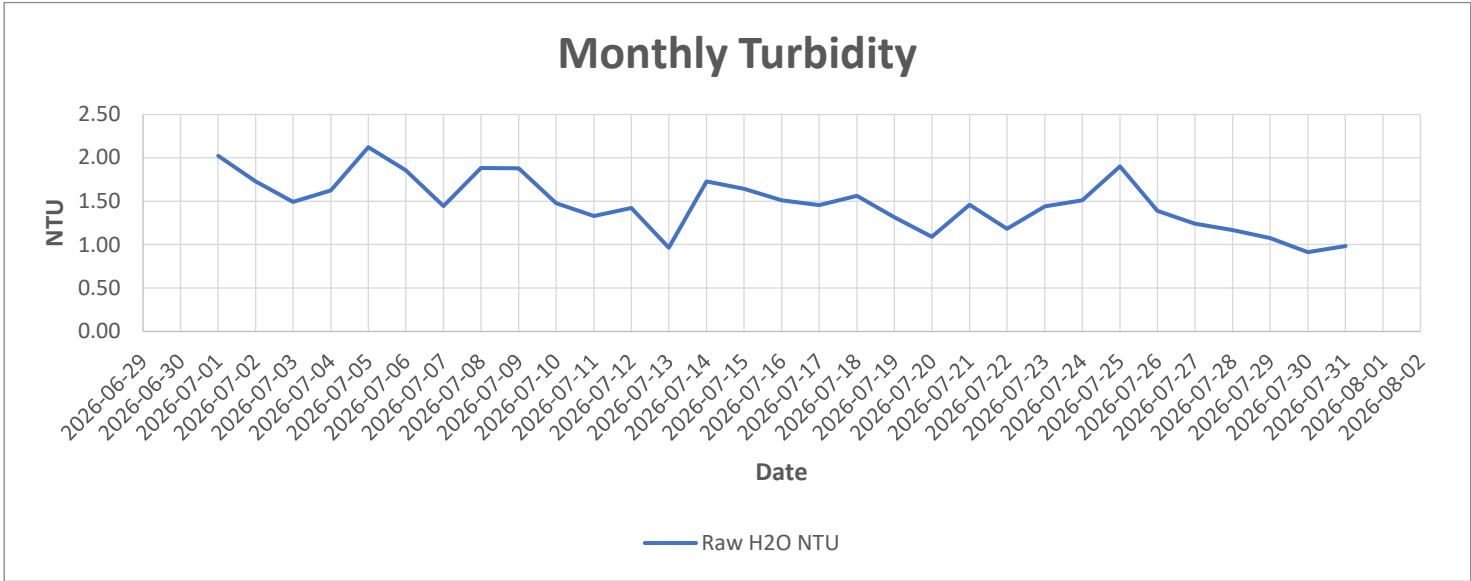


Water Quality Analytics:

Turbidity

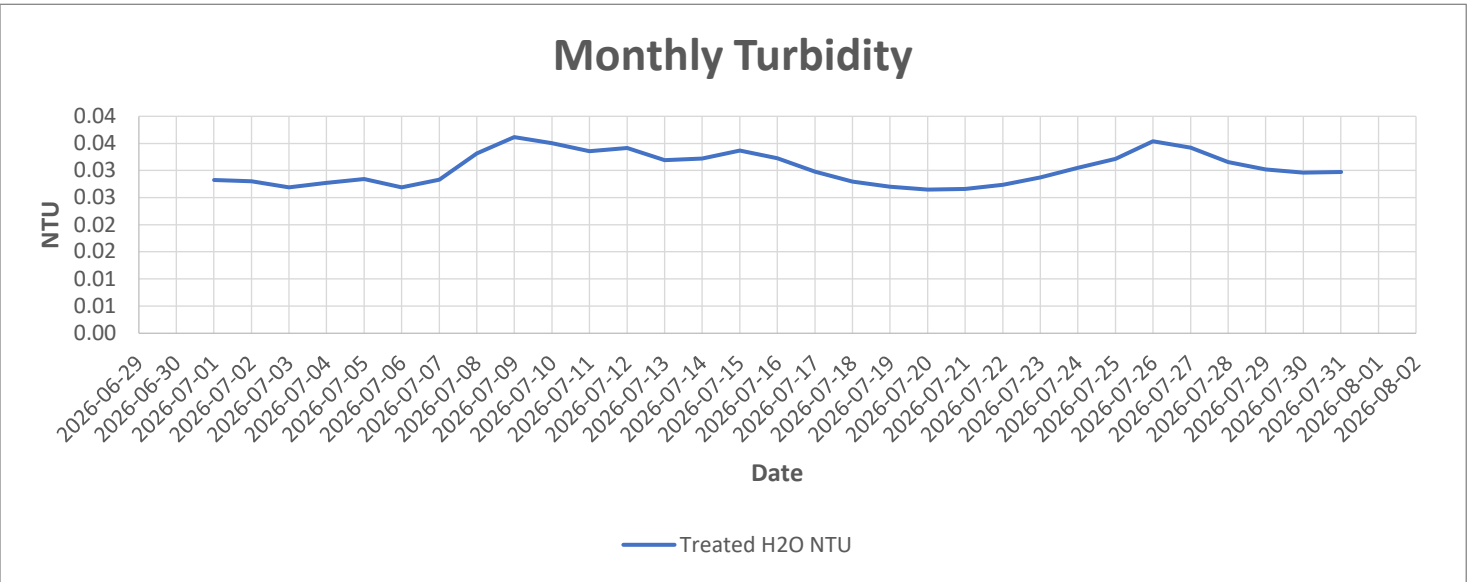
Raw Water Monthly Average:

1.48 NTU



Treated Water Monthly Average:

0.03 NTU

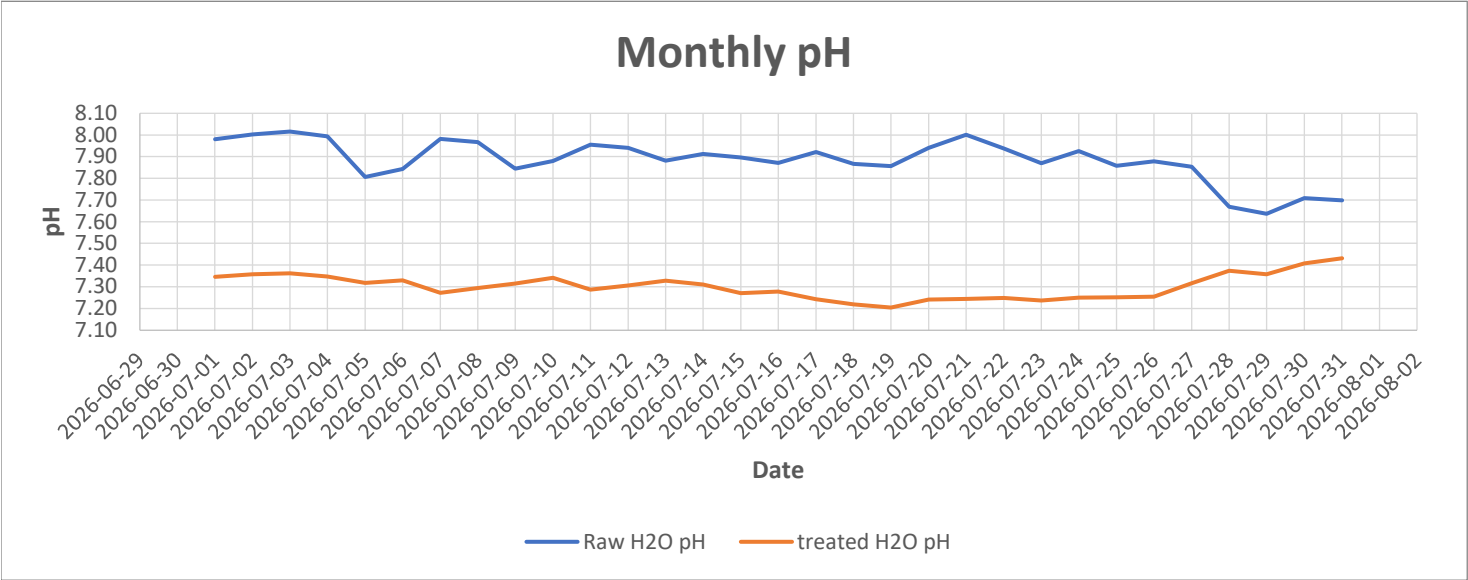


Notes:

pH

Raw Water Monthly Average:7.88 pH

Treated Water Monthly Average:7.30 pH



Notes:

Powers Creek WTP Operational Highlights:

July 2nd - Chemical delivery (PAC bulk load)
July 3rd - Chemical delivery (Sodium Hypochlorite bulk load)
July 7th - swapped CTF poly from Alumichem 7660A to Cleartech CE40565
July 8th - Okanagan Lockservices switched all locks to Master Keys
July 8th - Forklift training
July 10th - Total Power in to do generator maintenance
July 14th - greased screen and flushed "Y" strainers
July 15th - re/re flash mix pump
July 15th - 1000hr service on DAFs 3 & 5
July 15th - changed DAF 5 NTU sensor
July 15th - new pump installed and wired at Lat 1 (Distribution staff)
July 16th - 1000hr service on DAFs 2, 4, 6
July 16th - cleaned & rinsed DAF poly make down system
July 16th - flushed & changed tubing on finished water NTU & Cl2 analyzers
July 17th - Maple Reinders installed new injection quill on hypo trim line (deficiency from HYPO project)
July 20th - cleaned all NTU analyzers
July 20th - cleaned DOC
July 20th - cleaned particle counters
July 22nd - CARE systems in to do scheduled HVAC maintenance
July 23rd - 1000hr service on DAF 1
July 27th - cleaned all pHs, calibrated as needed
July 27th - cleaned DAC lines
July 27th - cleaned raw conductivity lines
July 29th - installed Lat 1 flow meter, still waiting on comms.

Power Creek Watershed Operational Highlights:

Tadpole

July 15th 3288.4ML Completed Piezometers
July 22nd Brush cutting North Dam
July 30th 2936.9ML Opened to 11.4ML/d

Dobbin

July 8th 362.6ML Opened to 16.4ML/d
July 13th 356.5ML Turned down to 10.9ML/d
July 30th 463.8ML

Horseshoe

July 8th 941ML Opened to 5.5ML/d

Paynter

July 13th 473.7ML Opened to 5.5ML/d

Lambly

July 30th 2643.3ML Opened to 15.3ML/d

Jackpine

July 30th 1016.4ML

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

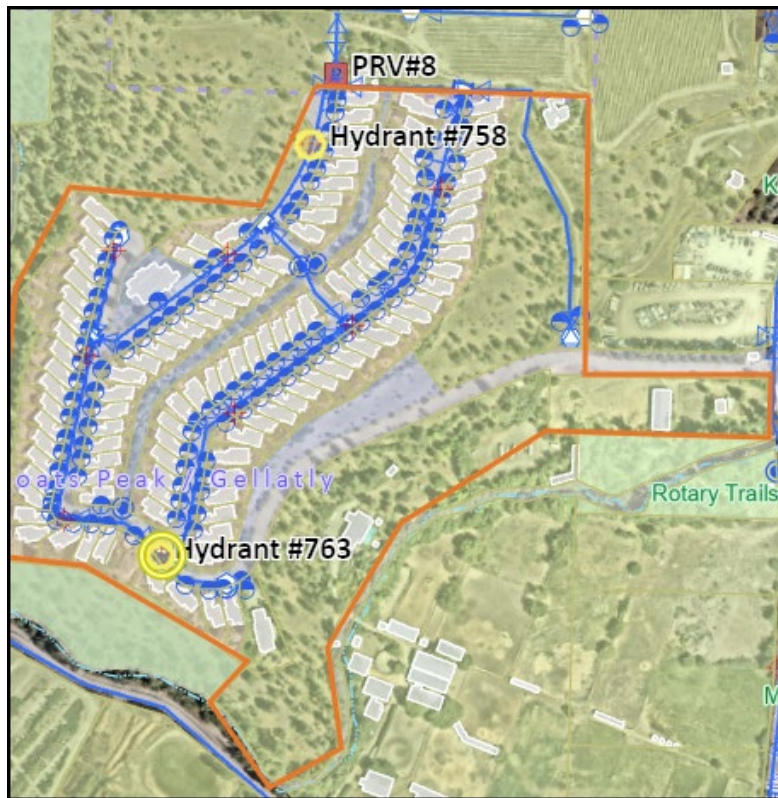
July 2026

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 July.
- July 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*.
- July 2, 2026 – Glenrosa Reservoir FCR spike due to high demand and reverse flow while pumps shutting down.
- July 3, 2026 – Dixie Reservoir high strength hypo concentration was tested and changed to 5.5% on the PLC.
- July 10, 2026 – Dixie Reservoir high strength hypo concentration was tested and changed to 6.0% on the PLC, 113L left in day tank.
- July 15, 2026 – Dixie Reservoir high strength hypo concentration was tested and changed to 5.0% on the PLC.
- July 23, 2026 – Glenrosa Reservoir FCR online analyser experienced a spike not representative of actual water in system but due to maintenance and analyser maintenance.
- July 24, 2026 – Glenrosa Reservoir high strength hypo concentration was tested and changed to 8.2% on the PLC.
- July 29, 2026 – Glenrosa Reservoir high strength hypo strength concentration was tested and changed to 7.3% on the PLC.

Operational System Improvements/Events

- July 7, 2026 – 3474-3480 Ficke Rd leak on service line affecting both 3474 and 3480 Ficke Rd, repair completed by City staff. Positive pressure maintained during repair.
- July 16, 2026 – Lateral One PS Pump #1 was wired and tested by EIT then placed back into service in auto.
- July 21, 2026 – Glenrosa Reservoir booster pump pressure was changed to 85psi the help increase flow rates to properties serviced.
- July 25, 2026 – PRV #8 malfunctioned where residents in the 4074 Gellatly area were affected by low pressure, before the PRV was corrected and full pressure was restored. Due to the low-pressure event the city issued a precautionary water quality advisory (WQA) on the area serviced by the PRV on Monday July 27th.



- July 27th and 28th – water quality sampling was completed on locations within the affected area all parameters came back within operational and Canadian Drinking Water guidelines.
- July 30, 2026 – In collaboration with Interior Health Authority the WQA was rescinded. Correspondence went out to the community affected and online at the City’s website and signs were removed.

Date	Time	Sample Location	Turbidity (NTU)	FCR (mg/L)	Temp (°C)	pH	Total Coliforms (CFU/100mL)	E _{coli} (CFU/100mL)
27-Jul-26	8:40	HYDRANT #763	0.38	0.24	22.3	7.14	<1	<1
27-Jul-26	9:17	HYDRANT #758	0.16	0.46	19.4	7.12	<1	<1
28-Jul-26	10:06	HYDRANT #763	0.23	0.39	22.4	7.26	<1	<1
28-Jul-26	10:37	HYDRANT #758	0.27	0.45	22.3	7.21	<1	<1

- July 28, 2026 – 2880 Glasgow Rd leak on service line affecting only the one service, repair completed by City staff. Positive pressure maintained during repair.
- July 31, 2026 – 3368 McIver Rd a new hydrant was installed due to development activities, once installed by contractor the City crews raised and tested the hydrant and placed into service.

WQ Field and SCADA Data

Sampling Location Table:

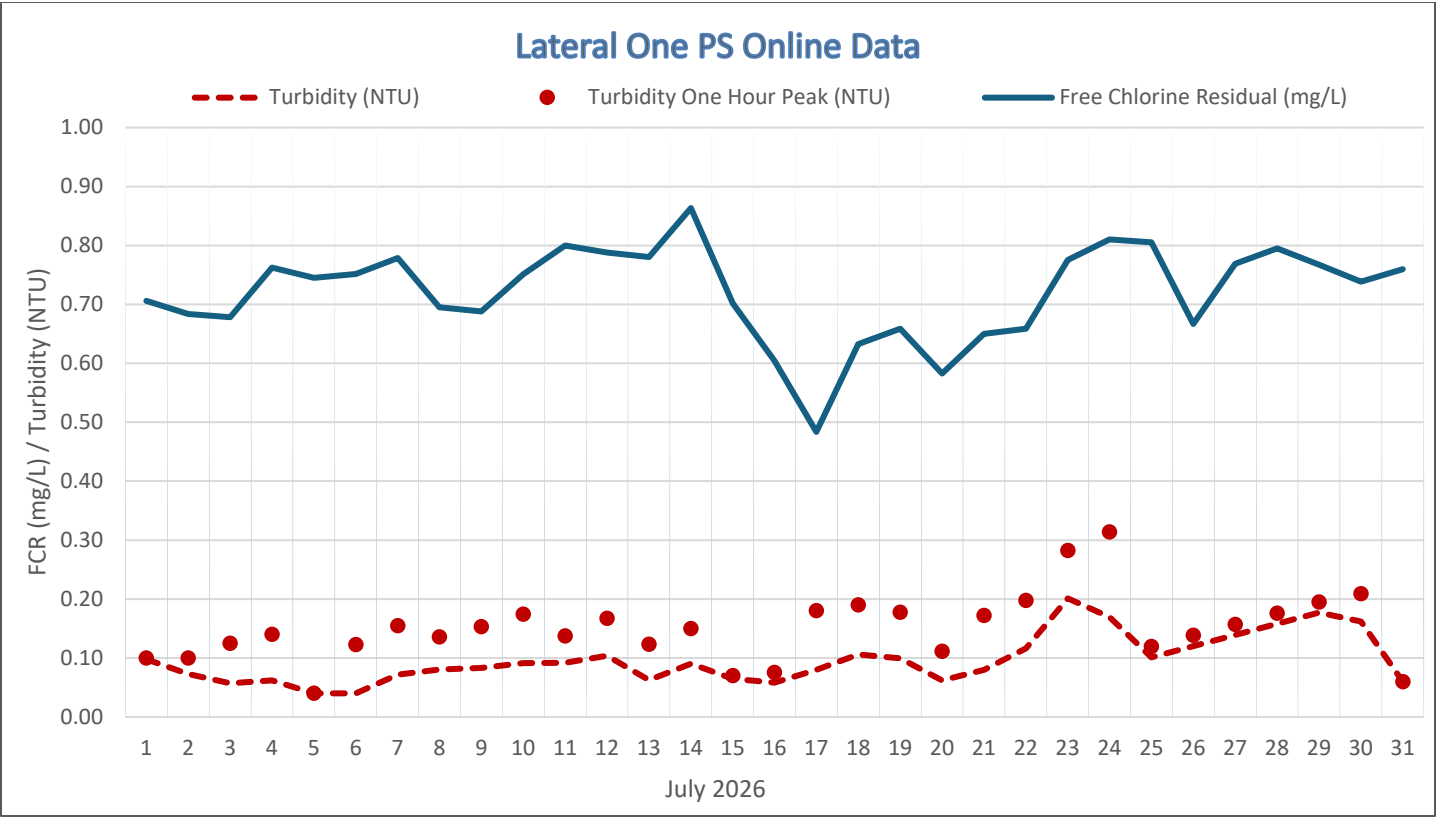
Sample Name	Civic Address	Pressure Zone	WQ Sampling Rationale
Lateral One PS	3188 Shetler Dr	630	1 st Customer water quality check.
Glenrosa PS	3149 Coventry Cres	673	Mid system water quality check. Water quality distributed throughout Glenrosa area.
Glenrosa Res	3313 Glenrosa Rd	673	Mid system water 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)
July 2026							
1	7.30	0.10	0.10	15.76	0.57	0.80	0.71
2	7.29	0.07	0.10	14.95	0.51	0.84	0.68
3	7.27	0.06	0.12	14.92	0.60	0.76	0.68
4	7.28	0.06	0.14	15.96	0.63	0.84	0.76
5	7.26	0.04	0.04	16.08	0.63	0.86	0.74
6	7.25	0.04	0.12	15.50	0.65	0.83	0.75
7	7.24	0.07	0.16	16.76	0.63	0.90	0.78
8	7.24	0.08	0.14	18.07	0.57	0.76	0.69
9	7.23	0.08	0.15	17.81	0.60	0.81	0.69
10	7.29	0.09	0.17	17.47	0.63	0.87	0.75
11	7.24	0.09	0.14	17.64	0.64	0.91	0.80
12	7.23	0.10	0.17	17.27	0.68	0.90	0.79
13	7.27	0.06	0.12	16.81	0.68	0.85	0.78
14	7.44	0.09	0.15	18.45	0.63	0.98	0.86
15	7.36	0.06	0.07	21.19	0.55	0.87	0.70
16	7.16	0.06	0.08	21.38	0.47	0.79	0.60
17	7.12	0.08	0.18	22.94	0.44	0.53	0.48
18	7.12	0.11	0.19	21.30	0.46	0.81	0.63
19	7.12	0.10	0.18	19.81	0.47	0.86	0.66
20	7.13	0.06	0.11	20.43	0.49	0.71	0.58
21	7.10	0.08	0.17	19.23	0.53	0.79	0.65
22	7.11	0.12	0.20	19.46	0.45	0.79	0.66
23	7.11	0.20	0.28	19.73	0.63	0.89	0.78
24	7.11	0.17	0.31	19.38	0.69	0.98	0.81
25	7.11	0.10	0.12	19.56	0.58	0.94	0.81
26	7.09	0.12	0.14	18.58	0.41	0.81	0.67
27	7.10	0.14	0.16	17.89	0.60	0.93	0.77
28	7.09	0.16	0.18	18.90	0.57	0.93	0.79
29	7.08	0.18	0.20	17.92	0.63	0.90	0.77
30	7.12	0.16	0.21	17.46	0.63	0.84	0.74
31	7.14	0.06	0.06	17.86	0.54	0.86	0.76
Average	7.19	0.10		18.27	0.57	0.84	0.72
Min	7.08	0.04		14.92	0.41	0.53	0.48
Max	7.44	0.20	0.31	22.94	0.69	0.98	0.86

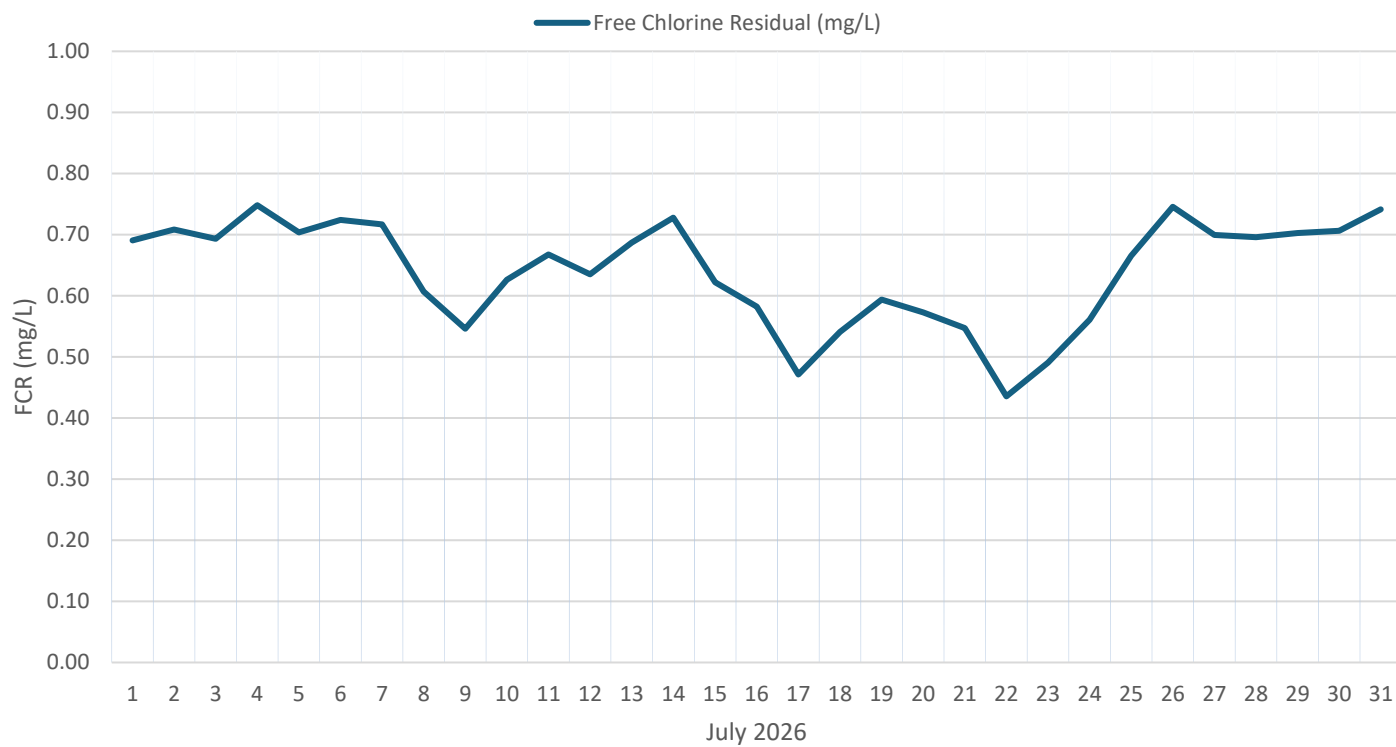


Glenrosa PS & Reservoir

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)
July 2026							
1	3.74	8.95	7.25	14.61	0.45		0.69
2	3.21	5.03	7.28	14.14	0.48		0.71
3	2.90	5.04	7.28	14.07	0.53		0.69
4	3.95	8.97	7.26	14.48	0.52		0.75
5	4.23	8.96	7.25	14.65	0.45		0.70
6	3.45	5.02	7.26	14.55	0.46		0.72
7	4.28	8.93	7.23	14.95	0.44		0.72
8	4.15	8.90	7.22	15.54	0.38		0.61
9	3.64	4.99	7.24	15.68	0.33		0.55
10	3.26	5.00	7.25	15.81	0.33		0.63
11	4.29	8.95	7.23	15.90	0.35		0.67
12	4.06	8.90	7.25	15.75	0.36		0.64
13	3.54	5.00	7.26	15.61	0.37		0.69
14	3.80	8.90	7.24	15.62	0.45		0.73
15	3.42	8.68	7.22	16.18	0.37		0.62
16	3.34	4.97	7.22	16.79	0.28		0.58
17	3.46	4.99	7.21	17.11	0.23		0.47
18	4.26	8.71	7.20	17.27	0.20		0.54
19	4.45	8.72	7.19	16.74	0.22		0.59
20	3.34	4.98	7.19	16.79	0.29		0.57
21	3.68	8.73	7.19	17.09	0.26		0.55
22	3.39	4.98	7.18	17.51	0.20		0.44
23	3.29	8.91	7.19	17.92	0.16		0.49
24	3.17	8.86	7.19	18.05	0.22		0.56
25	4.13	8.93	7.18	18.27	0.31		0.67
26	4.48	8.93	7.19	17.62	0.39		0.75
27	3.25	4.94	7.20	17.40	0.46		0.70
28	3.37	4.96	7.20	17.42	0.44		0.70
29	3.65	4.97	7.20	17.10	0.43		0.70
30	3.23	4.96	7.21	16.82	0.45		0.71
31	3.22	4.97	7.23	16.87	0.49		0.74
Total	110						
Average	3.67	6.99	7.22	16.27	0.37		0.64
Min	2.90	4.94	7.18	14.07	0.16		0.44
Max	4.48	8.97	7.28	18.27	0.53		0.75

- Due to pH swings in the station effecting the FCR readings the Max FCR has been removed until the flow pacing is corrected.

Glenrosa Reservoir Online Data

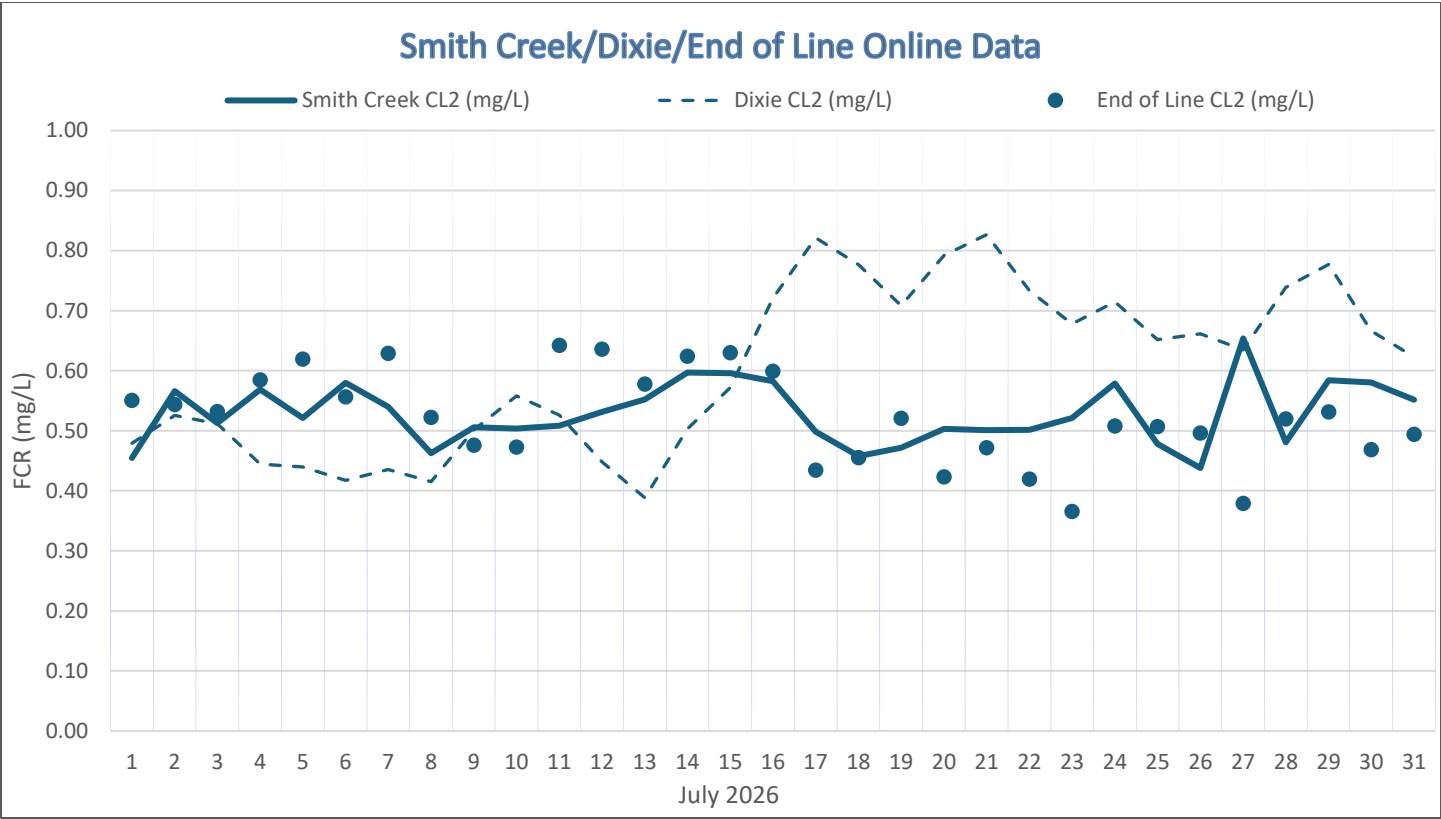


Smith Creek PS, Dixie Reservoir & End-of-Line WQS

Date	Smith Creek Reservoir FCR		
	Min (mg/L)	Max (mg/L)	Avg (mg/L)
July 2026			
1	0.23	0.84	0.45
2	0.30	0.81	0.57
3	0.32	0.79	0.51
4	0.29	0.88	0.57
5	0.29	0.86	0.52
6	0.26	0.86	0.58
7	0.23	0.90	0.54
8	0.26	0.83	0.46
9	0.23	0.79	0.51
10	0.21	0.86	0.50
11	0.26	0.94	0.51
12	0.26	0.90	0.53
13	0.25	0.86	0.55
14	0.21	0.96	0.60
15	0.30	0.84	0.60
16	0.25	0.80	0.58
17	0.23	0.70	0.50
18	0.18	0.84	0.46
19	0.15	0.88	0.47
20	0.18	0.79	0.50
21	0.19	0.83	0.50
22	0.23	0.79	0.50
23	0.19	0.84	0.52
24	0.25	0.95	0.58
25	0.21	0.95	0.48
26	0.24	0.86	0.44
27	0.21	0.89	0.65
28	0.18	0.94	0.48
29	0.26	0.88	0.58
30	0.30	0.83	0.58
31	0.29	0.86	0.55
Average	0.24	0.86	0.53
Min	0.15	0.70	0.44
Max	0.32	0.96	0.65

Dixie Reservoir FCR		
Min (mg/L)	Max (mg/L)	Avg (mg/L)
0.44	0.53	0.48
0.43	0.59	0.53
0.47	0.54	0.51
0.41	0.48	0.44
0.40	0.48	0.44
0.37	0.44	0.42
0.37	0.46	0.44
0.37	0.46	0.42
0.41	0.57	0.50
0.50	0.61	0.56
0.48	0.57	0.53
0.41	0.48	0.45
0.35	0.42	0.39
0.34	0.64	0.50
0.52	0.61	0.57
0.52	0.84	0.72
0.78	0.87	0.82
0.73	0.84	0.78
0.67	0.75	0.71
0.62	0.95	0.79
0.72	0.90	0.83
0.65		0.73
0.45	0.79	0.68
0.63	0.78	0.71
0.56	0.74	0.65
0.59	0.73	0.66
0.55	0.74	0.63
0.62	0.86	0.74
0.71	0.83	0.78
0.59	0.75	0.67
0.56	0.70	0.62
0.52	0.67	0.60
0.34	0.42	0.39
0.78	0.95	0.83

End of The Line FCR		
Min (mg/L)	Max (mg/L)	Avg (mg/L)
0.45	0.64	0.55
0.42	0.62	0.54
0.42	0.56	0.53
0.42	0.67	0.58
0.54	0.77	0.62
0.49	0.64	0.56
0.44	0.74	0.63
0.39	0.65	0.52
0.35	0.53	0.48
0.38	0.60	0.47
0.39	0.71	0.64
0.51	0.72	0.64
0.47	0.67	0.58
0.46	0.74	0.62
0.49	0.76	0.63
0.50	0.96	0.60
0.32	0.53	0.43
0.37	0.55	0.46
0.35	0.71	0.52
0.29	0.54	0.42
0.28	0.61	0.47
0.28	0.52	0.42
0.22	0.54	0.37
0.34	0.63	0.51
0.34	0.57	0.51
0.32	0.64	0.50
0.25	0.50	0.38
0.36	0.64	0.52
0.37	0.64	0.53
0.34	0.57	0.47
0.34	0.57	0.49
0.38	0.64	0.52
0.22	0.50	0.37
0.54	0.96	0.64



End-of-Line WQS Water Quality					
Date	Turbidity	Temp	FCR		pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
07-Jul-26	0.17	17.5	0.54	0.61	7.38
14-Jul-26	0.18	19.5	0.53	0.55	7.45
21-Jul-26	0.17	20.9	0.48	0.53	7.17
28-Jul-26	0.15	20.0	0.52	0.55	7.03
# of Samples	4	4	4	4	4
Average	0.17	19.5	0.52	0.56	7.26
Range	0.15-0.18	17.5-20.9	0.48-0.54	0.53-0.61	7.03-7.45

WQ Field Data

Mclver SS

Mclver SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
07-Jul-26	0.33	17.9	0.58	7.29
14-Jul-26	0.14	17.9	0.73	7.36
21-Jul-26	0.09	19.4	0.57	7.16
28-Jul-26	0.10	19.1	0.63	7.04
# of Samples	4	4	4	4
Average	0.17	18.6	0.63	7.21
Range	0.09-0.33	17.9-19.4	0.57-0.73	7.04-7.36

Bulk Water Station (Stn)

Bulk Water Station Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
07-Jul-26	0.23	16.7	0.75	7.33
14-Jul-26	0.21	17.2	0.48	7.41
21-Jul-26	0.20	19.7	0.80	7.47
28-Jul-26	0.09	19.3	0.69	6.99
# of Samples	4	4	4	4
Average	0.18	18.2	0.68	7.30
Range	0.09-0.23	16.7-19.7	0.48-0.8	6.99-7.47