CITY OF WEST KELOWNA

Monthly Water Quality Report

Powers Creek Water Service Area

October 2026

WATER SUPPLY AND TREATMENT

CITY OF
WEST
KELOWNA

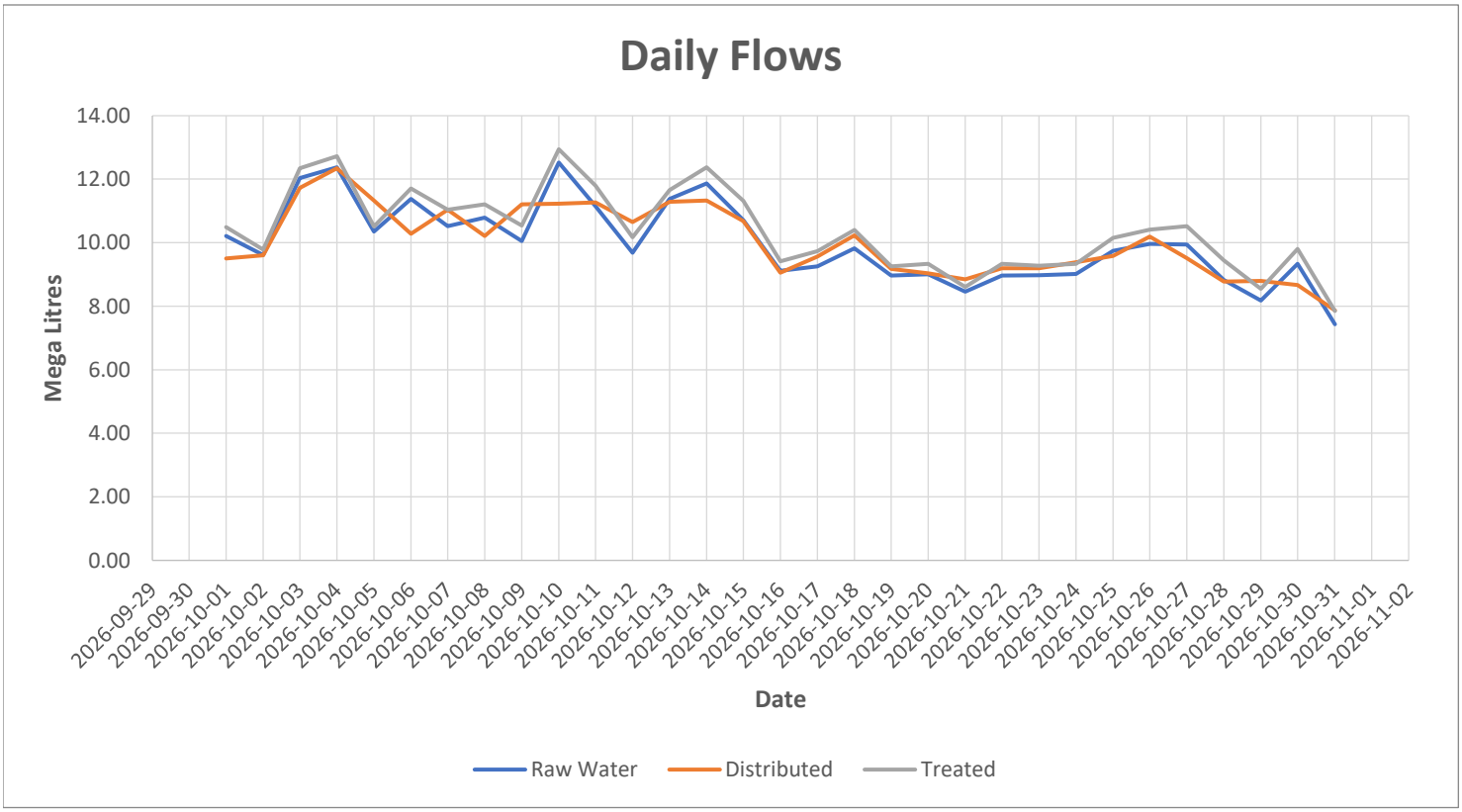
Powers Creek
Water Treatment Plant Monthly
Water Quality Summary

2026-11-12

October, 2026

Flow Demand:

	Total for Month
Raw Processed Water:	309.62 ML
Treated Water :	322.00 ML
Distributed Water :	310.76 ML
Backwash Water :	10.88 ML



Notes:

Raw Water Specifications:

	Raw Turbidity (NTU)			Raw pH		
Date	Min	Max	Average	Min	Max	Average
2026-10-01	0.37	0.85	0.59	7.58	7.75	7.67
2026-10-02	0.33	2.22	0.51	7.60	7.76	7.68
2026-10-03	0.43	0.95	0.62	7.57	7.75	7.64
2026-10-04	0.50	0.92	0.62	7.55	7.72	7.63
2026-10-05	0.52	2.86	0.69	7.19	7.83	7.69
2026-10-06	0.35	0.89	0.61	7.60	7.74	7.68
2026-10-07	0.44	0.82	0.59	7.55	7.70	7.63
2026-10-08	0.41	0.66	0.51	7.54	7.78	7.66
2026-10-09	0.35	1.92	0.49	7.57	7.76	7.66
2026-10-10	0.40	2.90	0.64	7.56	7.74	7.63
2026-10-11	0.33	1.59	0.43	7.54	7.71	7.63
2026-10-12	0.33	0.59	0.44	7.50	7.70	7.58
2026-10-13	0.24	2.26	0.44	7.27	7.63	7.43
2026-10-14	0.27	0.63	0.45	7.45	7.64	7.56
2026-10-15	0.26	1.47	0.38	7.47	7.64	7.57
2026-10-16	0.25	0.58	0.37	7.51	7.66	7.59
2026-10-17	0.24	2.26	0.40	7.54	7.72	7.63
2026-10-18	0.31	0.64	0.45	7.54	7.71	7.61
2026-10-19	0.23	20.00	0.91	7.54	7.86	7.65
2026-10-20	0.22	10.98	0.76	7.47	7.83	7.67
2026-10-21	0.01	3.88	0.33	7.55	7.73	7.65
2026-10-22	0.25	1.93	0.41	7.64	7.89	7.72
2026-10-23	0.32	2.03	0.39	7.61	7.76	7.68
2026-10-24	0.24	0.54	0.37	7.59	7.71	7.65
2026-10-25	0.22	1.88	0.35	7.66	7.76	7.71
2026-10-26	0.20	0.66	0.35	7.33	7.73	7.55
2026-10-27	0.28	1.43	0.42	7.37	7.79	7.60
2026-10-28	0.24	5.19	0.51	7.67	7.88	7.78
2026-10-29	0.25	0.91	0.33	7.71	7.75	7.74
2026-10-30	0.29	0.50	0.36	7.56	7.74	7.64
2026-10-31	0.28	1.44	0.35	7.59	7.79	7.69

Notes:

Raw Water Specifications (Continued):

	Raw Temp (˚C)			Raw DOC (mg/L)		
Date	Min	Max	Average	Min	Max	Average
2026-10-01	8.60	9.33	8.92	8.11	8.32	8.26
2026-10-02	9.12	10.32	9.58	8.24	8.70	8.32
2026-10-03	9.50	10.30	9.87	8.23	10.34	8.38
2026-10-04	9.03	10.14	9.61	8.23	8.51	8.38
2026-10-05	9.71	14.57	10.16	???	104.16	8.40
2026-10-06	9.97	10.75	10.37	8.46	8.62	8.53
2026-10-07	9.39	10.54	9.97	8.53	8.64	8.60
2026-10-08	9.17	10.58	9.81	8.50	8.67	8.58
2026-10-09	10.20	10.82	10.44	8.56	8.95	8.70
2026-10-10	9.01	10.19	9.43	8.97	9.38	9.10
2026-10-11	8.01	10.83	9.04	8.87	9.06	8.98
2026-10-12	10.00	16.75	12.25	8.79	9.03	8.91
2026-10-13	6.06	18.03	10.00	8.59	8.98	8.72
2026-10-14	7.35	8.35	7.71	8.57	8.74	8.66
2026-10-15	7.18	8.30	7.72	7.82	8.51	8.12
2026-10-16	6.95	7.81	7.47	7.32	7.81	7.51
2026-10-17	7.15	8.09	7.67	7.17	7.50	7.35
2026-10-18	6.50	7.98	7.05	7.42	7.70	7.52
2026-10-19	6.03	15.51	6.90	???	104.14	7.10
2026-10-20	4.79	13.08	6.27	4.62	104.20	9.84
2026-10-21	4.11	5.99	5.28	6.45	7.23	6.93
2026-10-22	5.35	9.33	6.47	6.87	7.18	7.00
2026-10-23	5.05	7.13	6.27	6.95	7.49	7.15
2026-10-24	4.31	5.25	4.80	7.27	7.77	7.59
2026-10-25	4.90	5.85	5.34	6.85	7.35	7.12
2026-10-26	5.50	6.36	5.92	7.18	7.45	7.33
2026-10-27	5.99	7.36	6.53	6.75	7.17	6.97
2026-10-28	5.61	7.98	6.36	6.78	7.58	7.29
2026-10-29	5.58	5.81	5.73	6.98	9.10	7.32
2026-10-30	4.14	5.75	4.90	7.01	7.25	7.12
2026-10-31	3.97	5.63	4.74	6.66	7.03	6.84

Notes:

Raw Water Specifications (Continued):

	Raw Cond (µS/cm)			Streaming Current		
Date	Min	Max	Average	Min	Max	Average
2026-10-01	60.07	84.25	81.83	7.44	41.85	23.26
2026-10-02	50.24	88.11	82.29	3.18	75.80	17.44
2026-10-03	80.63	84.19	82.01	-17.26	72.72	32.06
2026-10-04	80.74	83.04	81.81	6.18	33.29	26.46
2026-10-05	80.70	83.33	81.82	19.36	37.29	27.07
2026-10-06	51.97	84.88	82.67	???	127.30	4.39
2026-10-07	54.33	87.03	82.36	-22.88	-0.07	-13.37
2026-10-08	81.65	82.33	81.98	-20.88	6.18	-10.29
2026-10-09	82.16	83.31	82.81	-20.79	3.99	-10.61
2026-10-10	81.07	83.03	82.11	-13.28	36.10	3.08
2026-10-11	81.56	82.61	82.06	-15.99	25.30	0.45
2026-10-12	80.96	83.82	81.99	-10.18	16.46	2.66
2026-10-13	66.23	83.03	82.24	-28.77	7.40	-4.92
2026-10-14	74.71	81.79	81.22	-12.11	14.50	-0.48
2026-10-15	81.10	89.42	81.91	-12.06	15.72	-0.95
2026-10-16	81.63	85.20	82.43	-5.05	110.06	14.63
2026-10-17	82.46	82.91	82.71	0.08	28.64	14.64
2026-10-18	82.55	83.92	83.34	-0.21	24.54	11.16
2026-10-19	0.16	84.71	82.12	-27.99	37.87	6.93
2026-10-20	49.31	84.05	82.36	-0.93	30.55	13.20
2026-10-21	0.19	80.88	79.74	7.30	41.92	17.25
2026-10-22	76.43	81.46	80.55	-9.39	27.35	7.15
2026-10-23	80.63	81.29	80.95	-17.95	15.72	-5.15
2026-10-24	81.67	82.34	81.98	-17.23	2.06	-12.02
2026-10-25	69.92	81.47	77.46	-17.26	-0.97	-9.64
2026-10-26	-0.01	81.21	79.31	-18.76	1.15	-8.72
2026-10-27	74.32	85.74	80.86	-18.02	9.47	-7.63
2026-10-28	0.39	81.76	79.74	-18.12	2.01	-6.97
2026-10-29	67.69	82.56	80.98	-12.13	15.72	-1.02
2026-10-30	81.46	85.71	81.56	-6.03	18.51	2.41
2026-10-31	80.48	81.23	80.91	1.01	26.59	13.91

Notes:

Raw Water Specifications (Continued):

	Coagulated pH			Coagulated Temp (˚C)		
Date	Min	Max	Average	Min	Max	Average
2026-10-01	6.99	7.09	7.05	9.10	9.71	9.46
2026-10-02	6.99	7.09	7.07	9.81	10.87	10.23
2026-10-03	6.85	7.08	7.01	10.22	10.80	10.53
2026-10-04	7.04	7.08	7.06	9.97	10.84	10.41
2026-10-05	6.99	7.05	7.03	9.89	16.08	10.54
2026-10-06	6.99	7.07	7.04	10.06	12.30	10.48
2026-10-07	7.05	7.10	7.07	9.56	10.50	10.05
2026-10-08	7.04	7.09	7.07	9.39	10.47	9.94
2026-10-09	6.99	7.08	7.04	10.11	10.69	10.36
2026-10-10	7.02	7.07	7.04	9.19	9.80	9.49
2026-10-11	7.04	7.07	7.06	8.96	9.22	9.06
2026-10-12	7.03	7.08	7.05	7.50	8.57	8.11
2026-10-13	7.03	7.09	7.07	6.83	8.13	7.75
2026-10-14	7.02	7.04	7.03	7.47	8.24	7.74
2026-10-15	7.05	7.09	7.07	7.41	8.03	7.83
2026-10-16	7.01	7.10	7.05	7.09	7.80	7.56
2026-10-17	7.05	7.10	7.06	7.25	7.96	7.64
2026-10-18	7.05	7.11	7.08	6.61	7.58	7.01
2026-10-19	7.07	7.14	7.11	6.19	7.13	6.58
2026-10-20	7.08	7.13	7.12	5.10	6.31	5.70
2026-10-21	7.09	7.16	7.13	4.72	6.07	5.37
2026-10-22	7.10	7.20	7.15	5.80	7.54	6.53
2026-10-23	7.15	7.20	7.18	5.72	7.43	6.58
2026-10-24	7.21	7.24	7.23	4.55	5.40	5.00
2026-10-25	7.24	7.27	7.25	5.19	5.98	5.54
2026-10-26	7.18	7.25	7.21	5.87	6.84	6.32
2026-10-27	7.16	7.24	7.20	6.50	7.38	6.90
2026-10-28	7.12	7.24	7.17	6.04	6.98	6.42
2026-10-29	7.13	7.21	7.18	5.65	5.98	5.81
2026-10-30	7.17	7.21	7.19	4.87	5.67	5.14
2026-10-31	7.13	7.18	7.16	4.15	5.21	4.61

Notes:

Train 1 Filter Turbidity (NTU):

	Filter 1			Filter 2			Filter 3		
Date	Min	Max	Average	Min	Max	Average	Min	Max	Average
2026-10-01	0.01	0.02	0.01	0.02	0.02	0.02	0.01	0.06	0.01
2026-10-02	0.01	0.02	0.02	0.02	0.08	0.02	0.01	0.01	0.01
2026-10-03	0.02	0.04	0.02	0.02	0.03	0.02	0.01	0.04	0.01
2026-10-04	0.02	0.03	0.02	0.02	0.07	0.02	0.01	0.01	0.01
2026-10-05	0.02	0.03	0.02	0.02	0.03	0.02	0.01	0.01	0.01
2026-10-06	0.01	0.05	0.02	0.01	0.03	0.02	0.01	0.01	0.01
2026-10-07	0.01	0.02	0.01	0.02	0.02	0.02	0.01	0.06	0.01
2026-10-08	0.01	0.02	0.02	0.03	0.03	0.03	0.01	0.01	0.01
2026-10-09	0.02	0.03	0.02	0.02	0.09	0.03	0.01	0.05	0.01
2026-10-10	0.02	0.03	0.02	0.02	0.05	0.03	0.01	0.01	0.01
2026-10-11	0.02	0.03	0.03	0.02	0.03	0.02	0.01	0.04	0.01
2026-10-12	0.02	0.04	0.02	0.02	0.03	0.02	0.01	0.01	0.01
2026-10-13	0.02	0.03	0.02	0.02	0.02	0.02	0.01	0.01	0.01
2026-10-14	0.01	0.07	0.02	0.02	0.03	0.02	0.01	0.01	0.01
2026-10-15	0.01	0.02	0.02	0.02	0.06	0.03	0.01	0.01	0.01
2026-10-16	0.02	0.05	0.02	0.02	0.10	0.03	0.01	0.01	0.01
2026-10-17	0.02	0.03	0.02	0.01	0.03	0.02	0.01	0.01	0.01
2026-10-18	0.02	0.03	0.02	0.02	0.06	0.02	0.01	0.01	0.01
2026-10-19	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
2026-10-20	0.01	0.02	0.01	0.02	0.07	0.04	0.01	0.07	0.02
2026-10-21	0.01	0.06	0.03	0.05	0.06	0.06	0.01	0.01	0.01
2026-10-22	0.02	0.05	0.03	0.05	0.05	0.05	0.01	0.03	0.02
2026-10-23	0.02	0.02	0.02	0.05	0.06	0.06	0.03	0.03	0.03
2026-10-24	0.02	0.08	0.02	0.03	0.08	0.04	0.03	0.03	0.03
2026-10-25	0.01	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03
2026-10-26	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.03
2026-10-27	0.02	0.08	0.02	0.02	0.02	0.02	0.03	0.03	0.03
2026-10-28	0.02	0.04	0.02	0.02	0.02	0.02	0.03	0.04	0.03
2026-10-29	0.02	0.02	0.02	0.02	0.04	0.03	0.03	0.04	0.03
2026-10-30	0.02	0.03	0.02	0.03	0.03	0.03	0.02	0.09	0.03
2026-10-31	0.02	0.06	0.02	0.03	0.04	0.04	0.01	0.02	0.01

Notes:

Train 2 Filter Turbidity (NTU)

	Filter 4			Filter 5			Filter 6		
Date	Min	Max	Average	Min	Max	Average	Min	Max	Average
2026-10-01	0.02	0.05	0.03	0.01	0.01	0.01	0.01	0.01	0.01
2026-10-02	0.02	0.03	0.03	0.02	0.02	0.02	0.01	0.07	0.01
2026-10-03	0.02	0.10	0.03	0.02	0.08	0.02	0.01	0.01	0.01
2026-10-04	0.02	0.04	0.02	0.01	0.03	0.02	0.01	0.05	0.01
2026-10-05	0.02	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.01
2026-10-06	0.02	0.10	0.03	0.01	0.01	0.01	0.01	0.01	0.01
2026-10-07	0.02	0.04	0.03	0.01	0.02	0.02	0.01	0.02	0.02
2026-10-08	0.02	0.03	0.02	0.02	0.08	0.02	0.01	0.07	0.02
2026-10-09	0.02	0.03	0.03	0.01	0.01	0.01	0.01	0.01	0.01
2026-10-10	0.02	0.04	0.03	0.01	0.07	0.02	0.01	0.06	0.01
2026-10-11	0.02	0.03	0.03	0.01	0.01	0.02	0.01	0.01	0.01
2026-10-12	0.03	0.04	0.03	0.01	0.01	0.01	0.01	0.06	0.01
2026-10-13	0.03	0.03	0.03	0.01	0.07	0.02	0.01	0.02	0.01
2026-10-14	0.03	0.16	0.03	0.02	0.02	0.02	0.01	0.02	0.01
2026-10-15	0.03	0.03	0.03	0.02	0.07	0.02	0.01	0.02	0.02
2026-10-16	0.02	0.04	0.03	0.01	0.01	0.01	0.02	0.02	0.02
2026-10-17	0.03	0.04	0.04	0.01	0.07	0.02	0.02	0.03	0.02
2026-10-18	0.03	0.04	0.04	0.01	0.01	0.01	0.02	0.02	0.02
2026-10-19	0.03	0.04	0.03	0.01	0.01	0.01	0.02	0.03	0.03
2026-10-20	0.03	0.04	0.03	0.02	0.02	0.02	0.01	0.03	0.02
2026-10-21	0.02	0.04	0.03	0.02	0.02	0.02	0.01	0.04	0.01
2026-10-22	0.02	0.03	0.03	0.01	0.01	0.01	0.01	0.01	0.01
2026-10-23	0.02	0.09	0.03	0.01	0.01	0.01	0.01	0.03	0.02
2026-10-24	0.02	0.04	0.03	0.02	0.02	0.02	0.02	0.02	0.02
2026-10-25	0.02	0.12	0.03	0.02	0.02	0.02	0.02	0.02	0.02
2026-10-26	0.02	0.04	0.03	0.02	0.02	0.02	0.02	0.02	0.02
2026-10-27	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
2026-10-28	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.03	0.03
2026-10-29	0.02	0.04	0.03	0.02	0.10	0.02	0.03	0.03	0.03
2026-10-30	0.03	0.04	0.03	0.01	0.01	0.01	0.03	0.04	0.03
2026-10-31	0.03	0.12	0.04	0.01	0.09	0.02	0.03	0.03	0.03

Notes:

UV Treatment:

Date	Average Flow (L/s)	Avg Validated Dose (mj/cm2)	UV Availability (%)
2026-10-01	113.85	41.97	99.93
2026-10-02	109.69	43.11	99.93
2026-10-03	108.71	43.38	99.93
2026-10-04	110.59	42.72	99.93
2026-10-05	110.54	43.03	99.93
2026-10-06	166.57	30.49	99.93
2026-10-07	130.76	36.11	99.93
2026-10-08	148.37	32.78	99.93
2026-10-09	135.37	35.10	99.93
2026-10-10	186.88	26.88	99.93
2026-10-11	136.38	34.90	99.93
2026-10-12	138.17	34.31	99.93
2026-10-13	68.41	61.21	99.93
2026-10-14	148.04	32.76	99.93
2026-10-15	148.94	32.60	99.93
2026-10-16	135.48	36.69	99.93
2026-10-17	133.03	20.94	99.93
2026-10-18	135.80	20.70	99.93
2026-10-19	138.29	20.40	99.93
2026-10-20	123.90	21.40	99.93
2026-10-21	111.89	20.90	99.93
2026-10-22	112.63	20.50	99.90
2026-10-23	111.01	0.00	96.37
2026-10-24	112.19	20.91	67.63
2026-10-25	111.56	20.69	99.93
2026-10-26	124.37	20.91	99.93
2026-10-27	123.43	21.01	99.93
2026-10-28	124.12	21.00	99.93
2026-10-29	111.67	99.93	99.93
2026-10-30	112.68	99.93	99.93
2026-10-31	122.29	99.93	99.93

Notes:

UV Transmittance %:

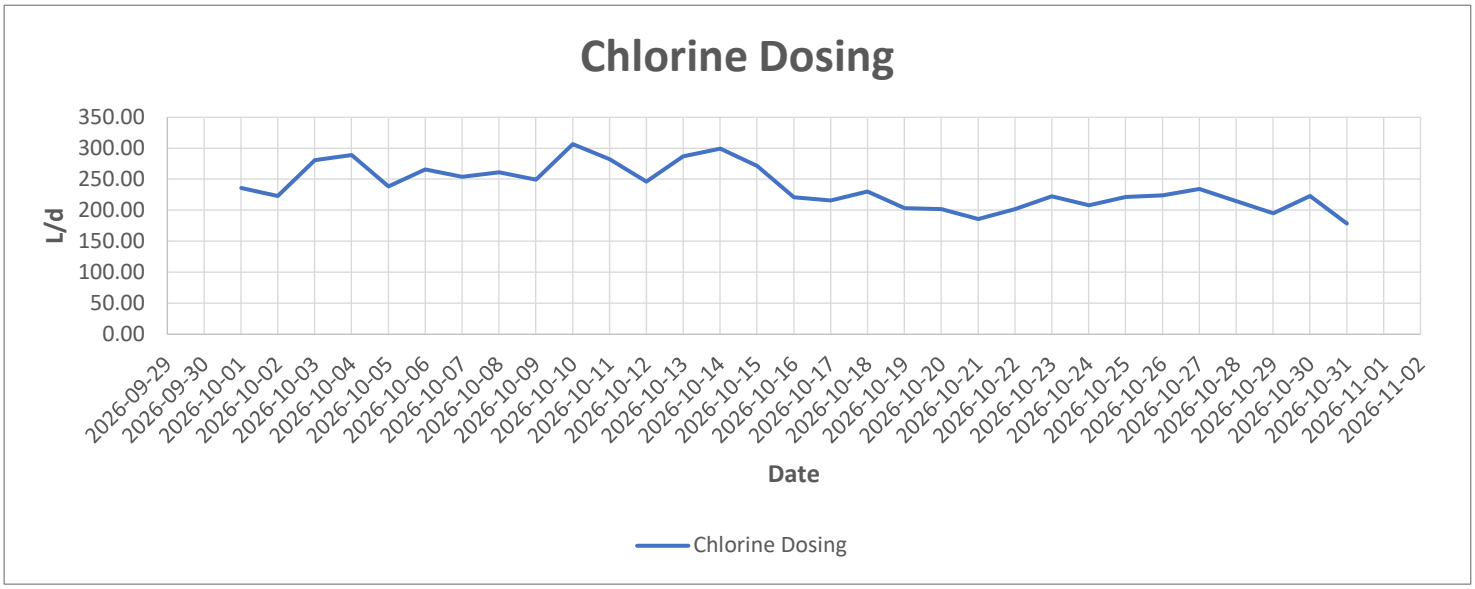
Date	Min	Max	Average
2026-10-01	87.00	87.00	87.00
2026-10-02	87.00	87.00	87.00
2026-10-03	87.00	87.00	87.00
2026-10-04	87.00	87.00	87.00
2026-10-05	87.00	87.00	87.00
2026-10-06	87.00	87.00	87.00
2026-10-07	87.00	87.00	87.00
2026-10-08	87.00	87.00	87.00
2026-10-09	87.00	87.00	87.00
2026-10-10	87.00	87.00	87.00
2026-10-11	87.00	87.00	87.00
2026-10-12	87.00	87.00	87.00
2026-10-13	87.00	87.00	87.00
2026-10-14	87.00	87.00	87.00
2026-10-15	87.00	87.00	87.00
2026-10-16	87.00	89.00	88.37
2026-10-17	89.00	89.00	89.00
2026-10-18	89.00	89.00	89.00
2026-10-19	89.00	89.00	89.00
2026-10-20	89.00	89.00	89.00
2026-10-21	89.00	89.00	89.00
2026-10-22	89.00	89.00	89.00
2026-10-23	89.00	89.00	89.00
2026-10-24	89.00	89.00	89.00
2026-10-25	89.00	89.00	89.00
2026-10-26	89.00	89.00	89.00
2026-10-27	89.00	89.00	89.00
2026-10-28	89.00	89.00	89.00
2026-10-29	89.00	89.00	89.00
2026-10-30	89.00	89.00	89.00
2026-10-31	89.00	89.00	89.00

Notes:

Chemical Demand:

Chlorine Used:

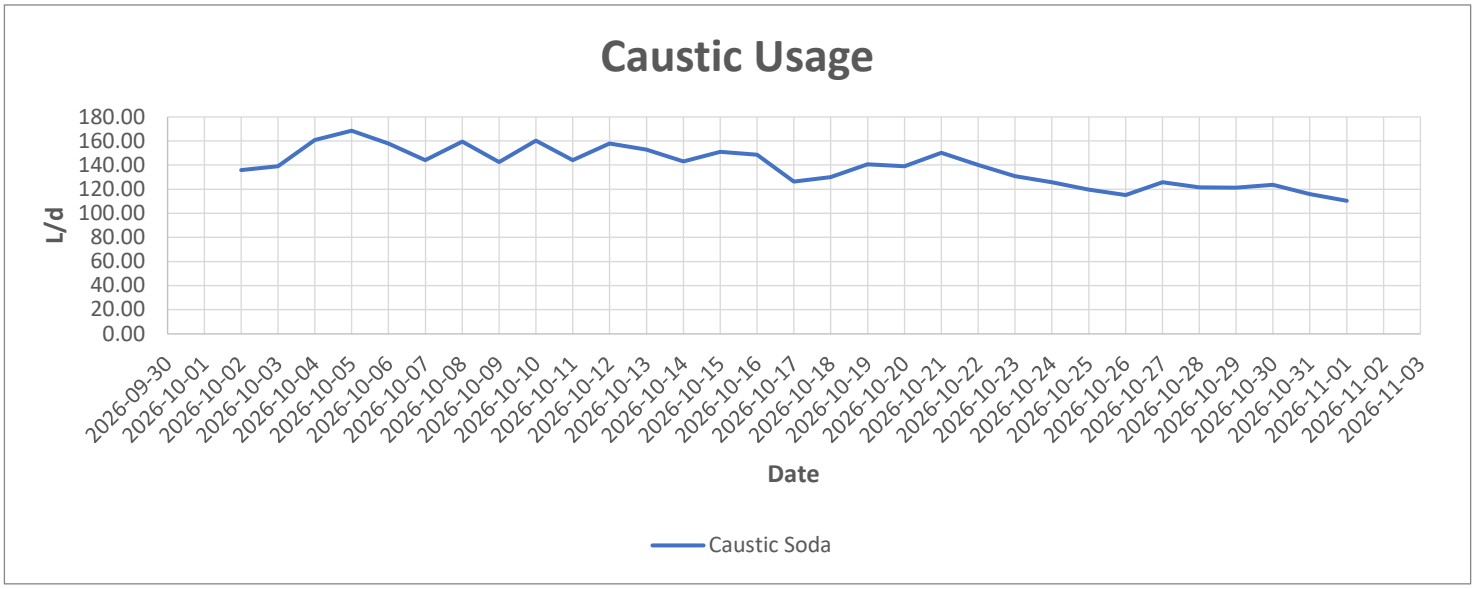
Total for Month
7367.99 L



Notes:

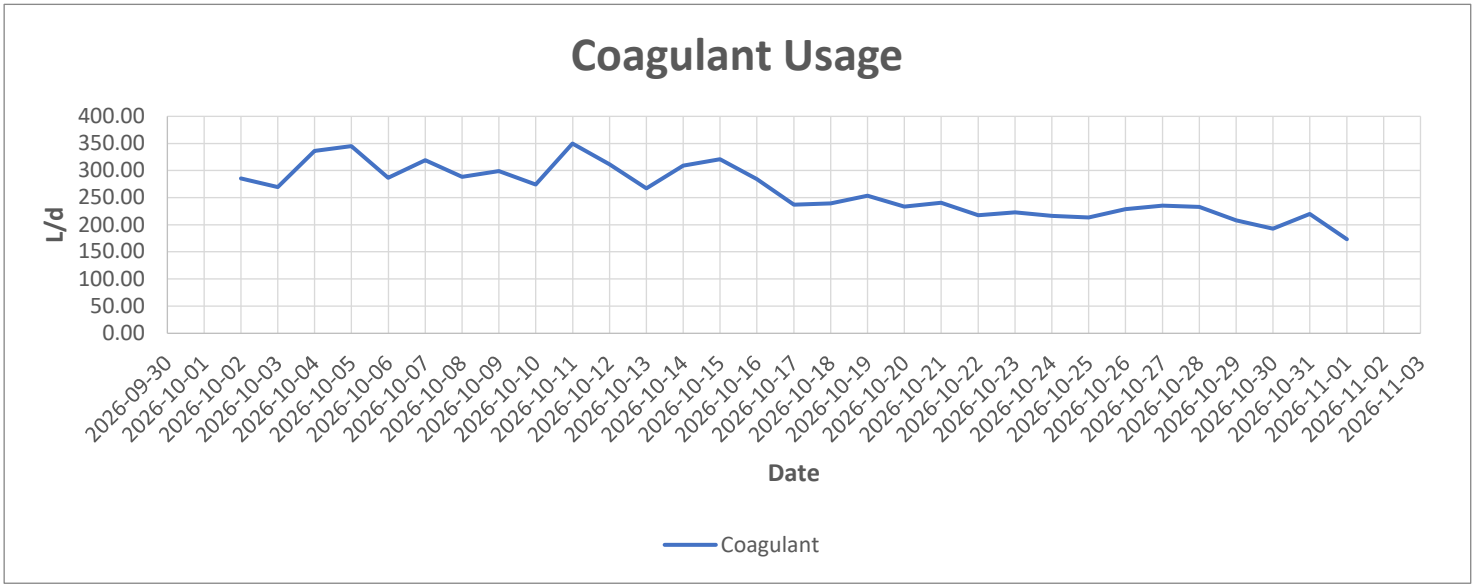
Caustic Soda Used:

Total for Month
4302.24 Litres



Notes:

	Total for Month
Coagulant Used:	8109.30 Litres

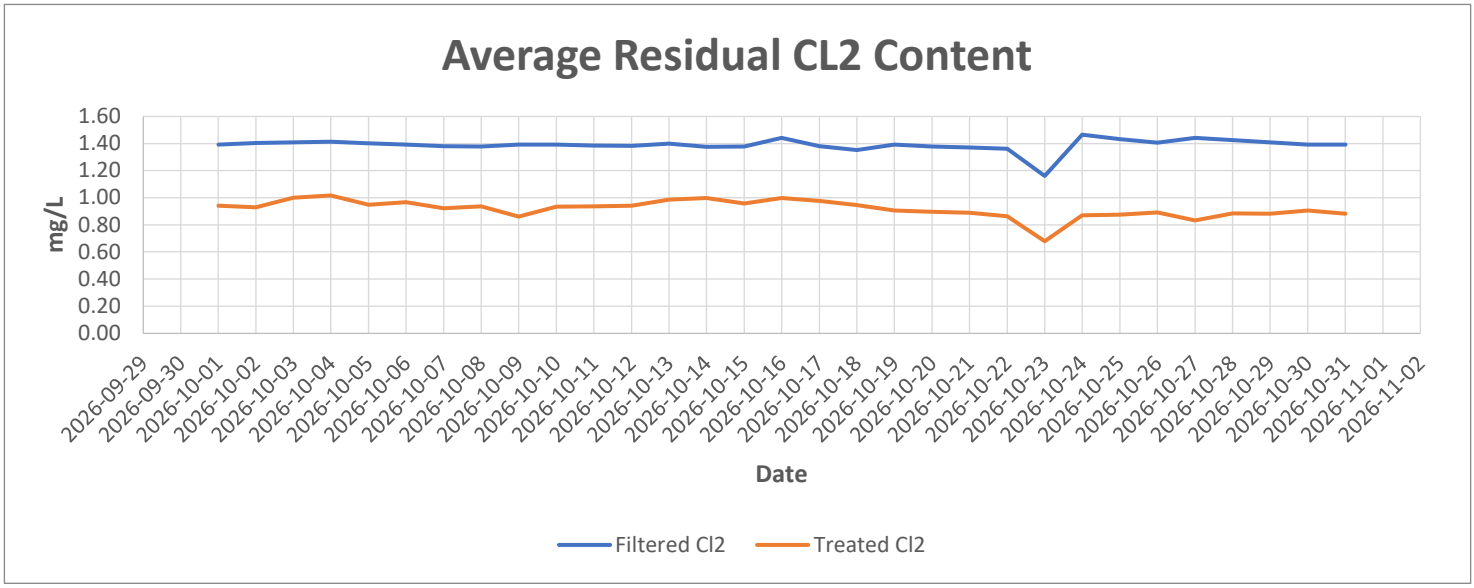


Notes:

	Total for Month
DAF & Residual DAF Neat Polymer	282.63 L
Centrifuge Neat Polymer	361.98 L

Chlorine Dose

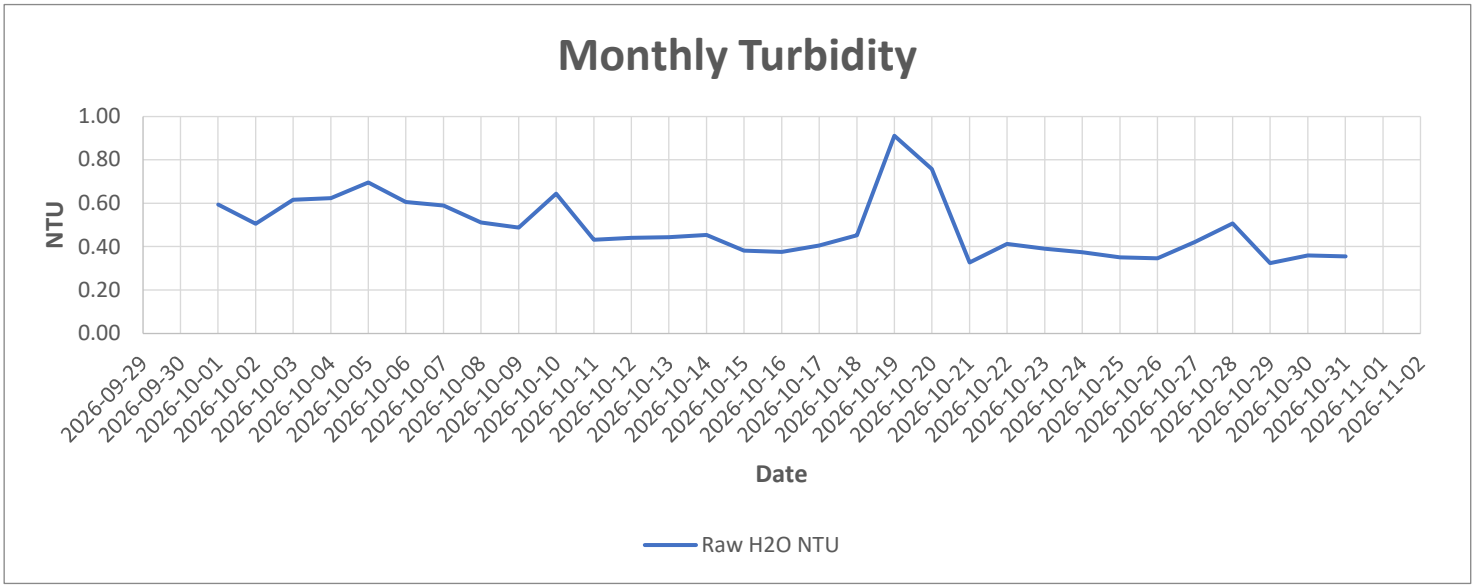
Filtered Water Residual Cl2 Average (mg/L):	1.39 mg/L
Treated Water (Distributed) Cl2 Average (mg/L):	0.92 mg/L



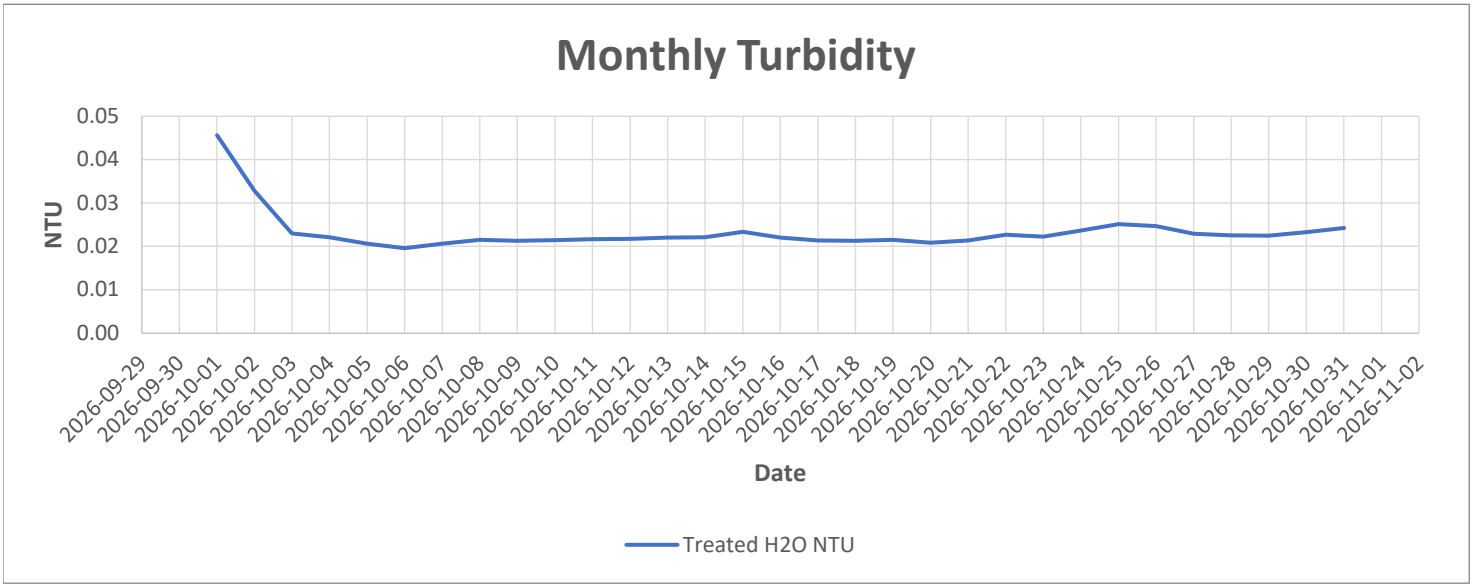
Water Quality Analytics:

Turbidity

Raw Water Monthly Average: 0.49 NTU



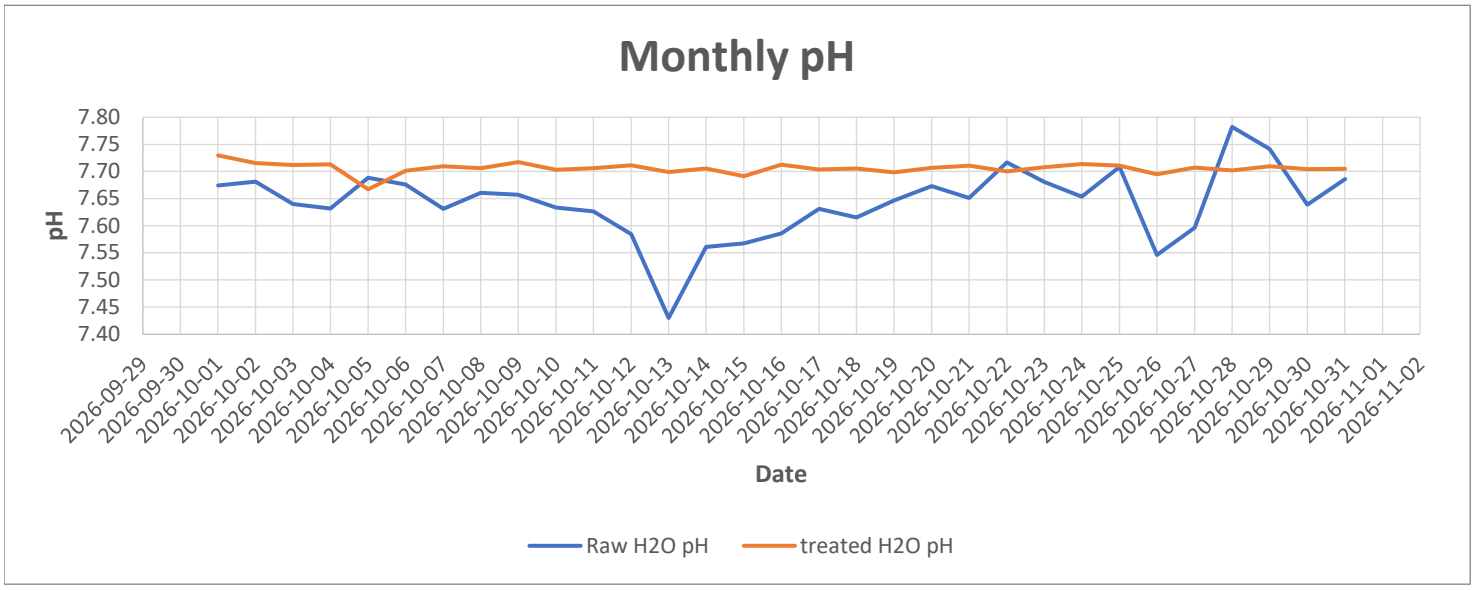
Treated Water Monthly Average: 0.02 NTU



Notes:

pH

Raw Water Monthly Average:	7.64 pH
Treated Water Monthly Average:	7.71 pH



Notes:

Powers Creek WTP Operational Highlights:

Diversion/Screen Project & Pond Clean out underway for month of October

Oct 1st - ongoing crack sealikng project by contractor
Oct 5th - cleaned & rinsed DAF poly make down system
Oct 5th - swapped DAF poly totes
Oct 5th-17th - annual PAC tanks maintenance
OCt 6th-7th - CAP crew doing road work & grading
Oct 16th - decreased bulbs in UV from 4 to 2 for winter flows
Oct 19th-22nd - semi-annual floc tank/poly system cleaning DAFs #4, 5, 6
Oct 19th-21st - new roll up door installed on bin room
Oct 22nd - contractor doing annual calibrations on lab equipment
Oct 26th - replaced bearings in two hypo pumps - millwright
Oct 27th - emergency lighting upgrade/install by contractor
OCt 27th-29th - drained & cleaned residual DAF/floc tanks
Oct 27th-29th - replaced chains, sprokets & gear box - millwright
Oct 29th - celaned & rinsed CTF poly make down system & swapped totes

Power Creek Watershed Operational Highlights:

Dam inspections and levels completed weekly for the month

Tadpole
Oct 7 - Level 1948.9ML Flow 21.8ml/d
Oct 28 - Level 1527ML Flow 32.8ml/d
NCD saw a average 21.9ml/d
Dobbin
Oct 7 - Level 129.5ML flow 19.1ml/d. Removed Beaver Dam at entrance to lake
Oct 28 - Level 75.24ML flow 21.9ml/d
Horseshoe
Oct 7 - Level 573.6ML flow 12ml/d
Oct 28 - Level 495.9ML flow 10.9ml/d
PCD saw a average 27ml/d
Paynter closed for season
Jackpine
Oct 7 - level 790.7ML flow 5.5ml/d
Oct 13 - Closed for season
Lambly
Oct 7 - level 2416.4ML flow 15.3ml/d
Oct 20 - Changed fuel cell
Oct 28 - level 2643.3ML flow 18.6ml/d

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

October 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 October.
- October Bacteriological Sampling Summary:
    - 27 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*.
- October 1, 2026 – Smith Creek PS online FCR analyser calibration adjustment of 0.27mg/L decrease.
- October 2, 2026 – Dixie Reservoir high strength hypo concentration tested, changed to 9.2% on PLC.
- October 16, 2026 – Glenrosa Reservoir high strength hypo concentration tested, changed to 5.2% on PLC.
- October 16, 2026 – Dixie Reservoir high strength hypo concentration tested, changed to 6.3% on PLC.
- October 19, 2026 – Glenrosa Reservoir online FCR analyser calibration adjustment of 0.31mg/L increase.
- October 19, 2026 – Dixie Reservoir online FCR analyser calibration adjustment of 0.11mg/L increase.
- October 21, 2026 – Dixie Reservoir high strength hypo concentration tested, changed to 4.7% on PLC.
- October 21, 2026 – Glenrosa Reservoir high strength hypo concentration tested, changed to 3.7% on PLC.
- October 28, 2026 – Glenrosa Reservoir high strength hypo concentration tested, changed to 3.6% on PLC.
- October 30, 2026 – Dixie Reservoir high strength hypo concentration tested, changed to 6.0% on PLC.

Operational System Improvements/Events

- October 2, 2026 – Glenrosa Reservoir hypo dosing pump system was serviced including replacing inlet/outlet pump check valves, replacing pump diaphragms, replacing pump seals, replacing body screws and bleeding all air and testing operations after works completed.
- October 12, 2026 – Unit #201 4047 Gellatly Rd service leak repair completed by City staff and contractor. Main was throttled to lower pressure to area during repair, approximately 27 homes were affected by lower pressure from 6pm to 10pm. Positive pressure maintained during repair.
- October 20, 2026 – 3442 Logan Rd service leak repair completed by City staff. Three homes were affected by the repair 3452, 3448 and 3442 Logan Rd. Positive pressure maintained during repair.
- October 28, 2026 – Dixie Reservoir power outage at location for approximately 2 hours.

WQ Field and SCADA Data

Sampling Location Table:

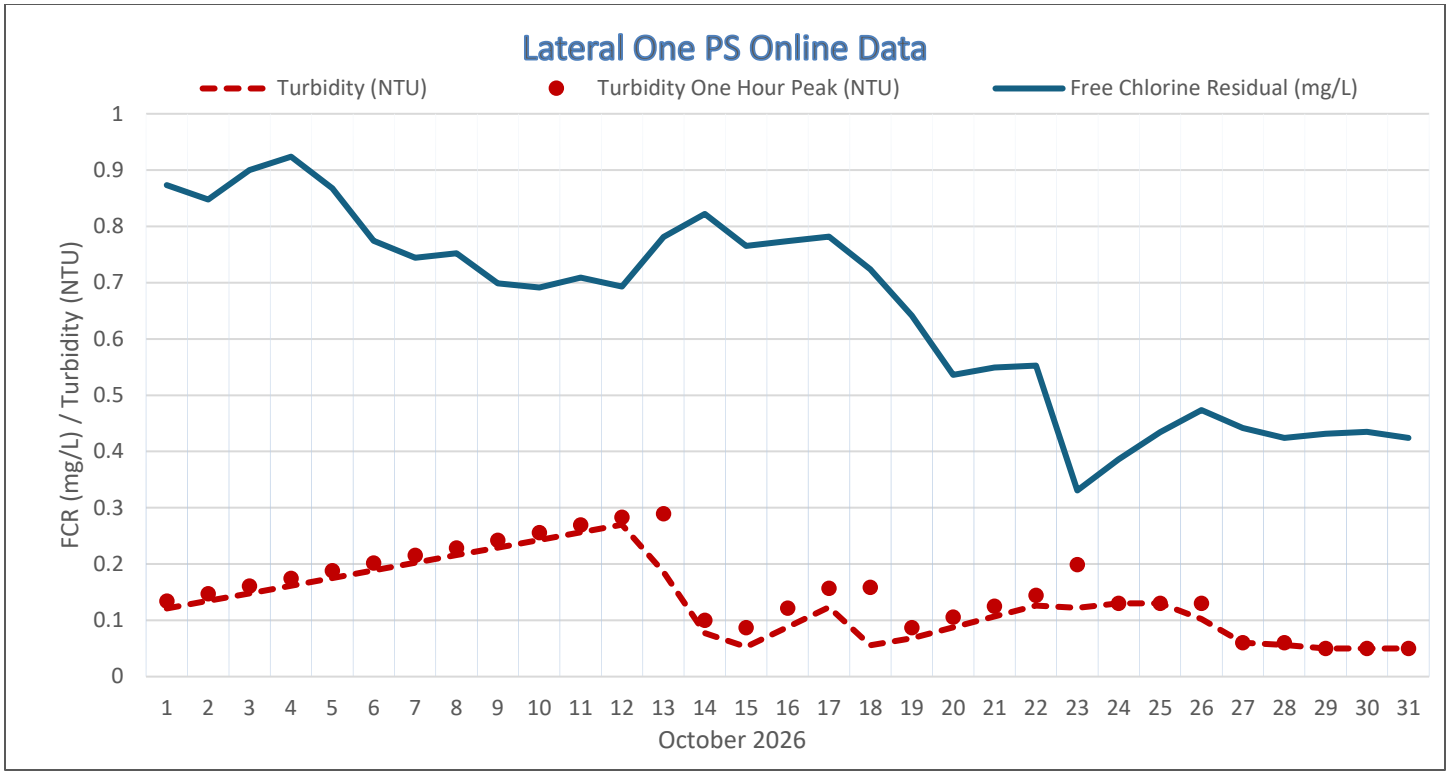
Sample Name	Civic Address	Pressure Zone	WQ Sampling Rationale
Lateral One PS	3188 Shetler Dr	630	1st Customer water quality check.
Glenrosa PS	3149 Coventry Cres	673	Mid system water quality check. Water quality distributed throughout Glenrosa area.
Glenrosa Res	3313 Glenrosa Rd	673	Mid system water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

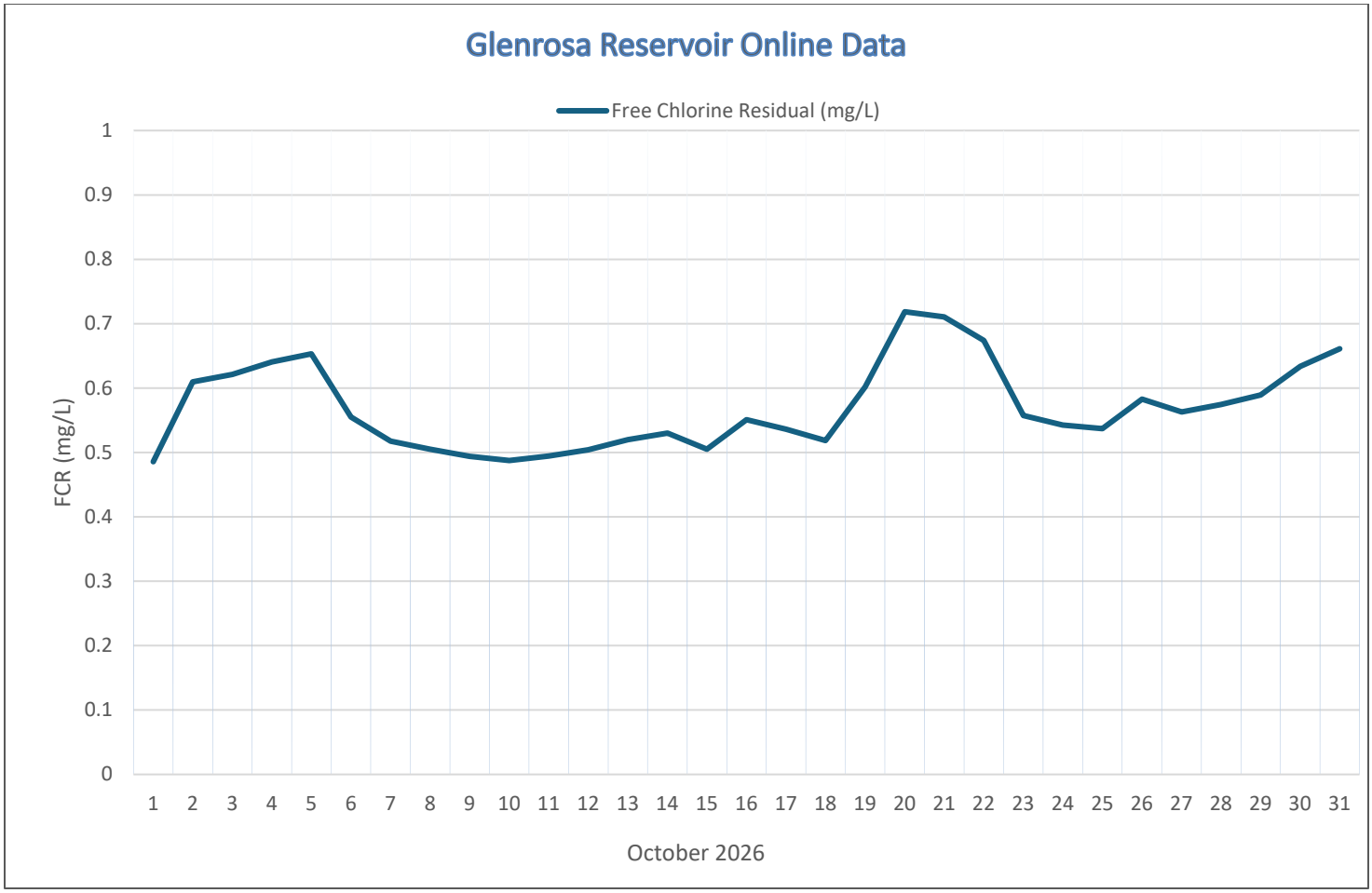
Lateral One PS Online Data							
Date	pH	Turbidity	Turbidity (Peak 1 Hr)	Temp	FCR		
	Avg (pH)	Avg (NTU)	Max Based On 1 Hr Avg	Avg (ºC)	Min (mg/L)	Max (mg/L)	Avg (mg/L)
October 2026							
1	7.07	0.12	0.13	11.02	0.76	0.95	0.87
2	7.01	0.13	0.15	10.79	0.74	0.94	0.85
3	6.97	0.15	0.16	11.01	0.74	0.98	0.90
4	6.96	0.16	0.17	11.15	0.82	1.03	0.92
5	7.05	0.18	0.19	11.17	0.76	0.95	0.87
6	9.66	0.19	0.20	31.99	0.74	0.88	0.77
7	12.00	0.20	0.22	50.00	0.74	0.75	0.74
8	12.00	0.22	0.23	50.00	0.75	0.76	0.75
9	9.02	0.23	0.24	28.18	0.60	0.76	0.70
10	7.02	0.24	0.26	13.14	0.63	0.73	0.69
11	6.99	0.26	0.27	12.52	0.65	30.00	0.71
12	6.96	0.27	0.28	11.76	0.65	0.74	0.69
13	6.97	0.19	0.29	9.79	0.65	0.93	0.78
14	6.99	0.08	0.10	8.88	0.72	0.91	0.82
15	6.98	0.05	0.09	9.54	0.67	0.85	0.77
16	6.95	0.09	0.12	9.65	0.68	0.86	0.77
17	6.94	0.12	0.16	9.51	0.67	0.88	0.78
18	6.93	0.06	0.16	9.41	0.63	0.79	0.72
19	6.97	0.07	0.09	9.01	0.46	0.76	0.64
20	7.14	0.09	0.11	8.77	0.43	0.63	0.54
21	7.10	0.11	0.13	7.89	0.43	0.65	0.55
22	7.09	0.13	0.14	7.77	0.45	0.62	0.55
23	7.07	0.12	0.20	8.63	0.05	0.55	0.33
24	7.07	0.13	0.13	8.12	0.21	0.49	0.39
25	7.05	0.13	0.13	7.42	0.30	0.51	0.43
26	7.05	0.10	0.13	7.35	0.38	0.57	0.47
27	7.06	0.06	0.06	8.75	0.35	0.53	0.44
28	7.05	0.06	0.06	10.30	0.35	0.48	0.42
29	6.97	0.05	0.05	10.10	0.39	0.47	0.43
30	7.02	0.05	0.05	9.68	0.38	0.49	0.44
31	6.98	0.05	0.05	9.33	0.39	0.46	0.42
Average	7.49	0.13		13.63	0.55	1.67	0.65
Min	6.93	0.05		7.35	0.05	0.46	0.33
Max	12.00	0.27	0.29	50.00	0.82	30.00	0.92



Lateral One PS Water Quality						
Date	**Turbidity**		**Temp**	**FCR**		**pH**
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
06-Oct-26	0.27	0.09	13.9	0.78	0.76	7.53
13-Oct-26	0.57	0.28	7.1	0.94	0.85	7.36
20-Oct-26	0.08	0.06	7.0	0.98	0.53	7.54
27-Oct-26	0.09	0.06	7.2	0.74	0.50	7.45
# of Samples	4	4	4	4	4	4
Average	0.25	0.12	8.8	0.86	0.66	7.47
Range	0.08-0.57	0.06-0.28	7.0-13.9	0.74-0.98	0.50-0.85	7.36-7.54

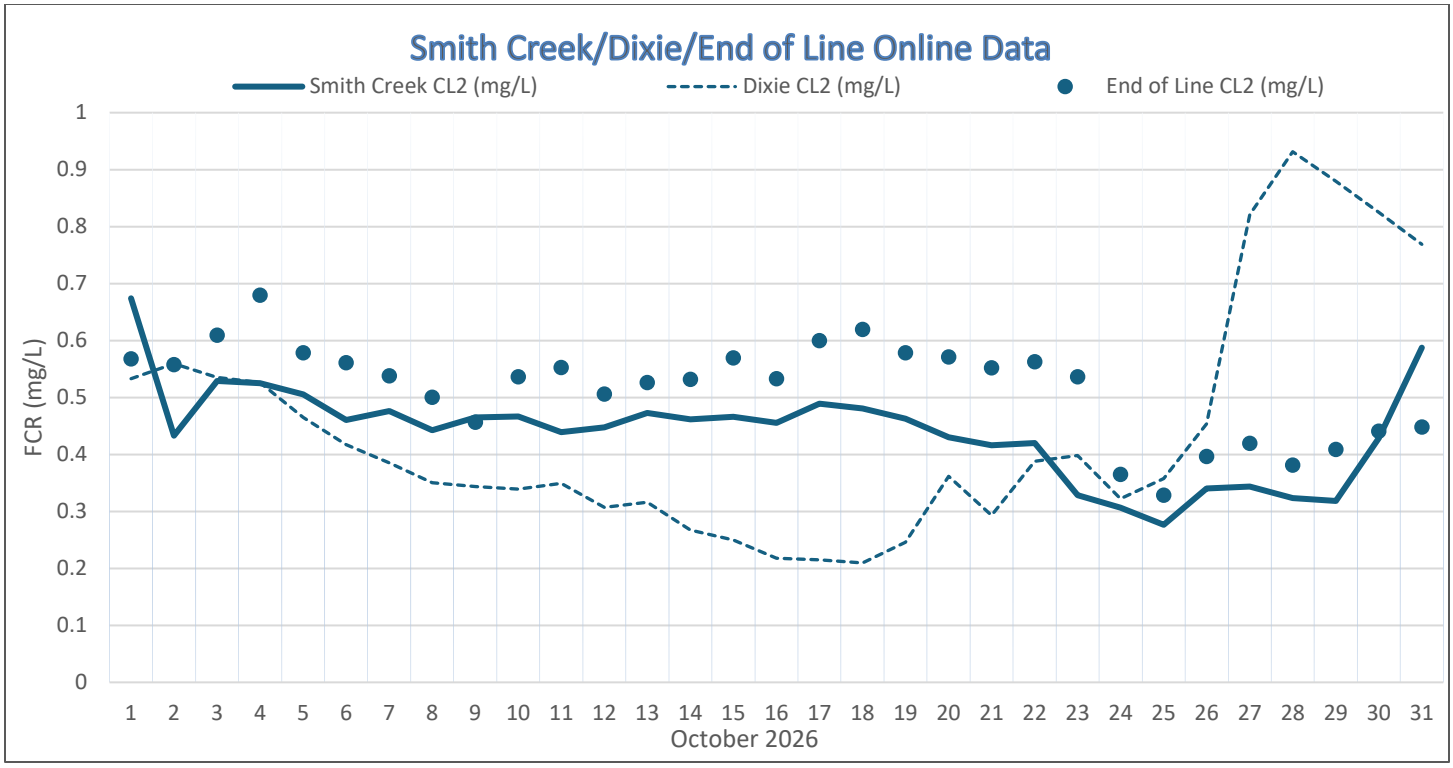
Glenrosa PS & Reservoir

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)
October 2026							
1	1.58	4.39	7.45	10.69	0.30	0.77	0.49
2	2.54	4.39	7.45	10.21	0.36	1.85	0.61
3	2.59	4.39	7.45	10.30	0.38	0.80	0.62
4	2.73	4.38	7.45	10.42	0.40	0.82	0.64
5	3.25	4.37	7.44	10.31	0.46	0.76	0.65
6	2.50	4.97	7.46	10.64	0.40	0.75	0.56
7	2.38	4.14	7.47	10.76	0.37	0.71	0.52
8	2.35	4.14	7.47	10.69	0.37	0.72	0.51
9	2.29	4.09	7.48	10.72	0.35	4.54	0.49
10	2.32	4.10	7.49	10.72	0.33	0.72	0.49
11	2.32	4.12	7.49	10.32	0.35	0.70	0.49
12	2.28	4.11	7.50	9.73	0.36	0.70	0.50
13	2.38	4.50	7.50	9.09	0.38	0.75	0.52
14	2.29	4.40	7.49	8.87	0.40	0.82	0.53
15	2.11	4.43	7.50	9.07	0.39	0.80	0.51
16	2.24	4.39	7.49	9.04	0.26	0.81	0.55
17	2.26	4.45	7.50	9.05	0.41	0.78	0.54
18	2.41	4.50	7.50	8.96	0.40	0.72	0.52
19	2.06	4.43	7.53	8.73	0.39	1.00	0.60
20	2.37	4.42	7.64	8.39	0.54	1.19	0.72
21	2.07	4.39	7.67	8.08	0.55	3.76	0.71
22	1.96	4.35	7.68	7.90	0.54	0.99	0.67
23	2.15	4.94	7.68	8.04	0.37	0.94	0.56
24	2.17	4.37	7.71	7.89	0.42	0.85	0.54
25	2.14	4.34	7.71	7.56	0.40	0.84	0.54
26	2.29	4.34	7.71	7.29	0.42	0.86	0.58
27	2.23	4.36	7.71	7.44	0.41	0.85	0.56
28	2.07	4.16	7.72	7.60	0.39	3.71	0.57
29	2.03	4.10	7.73	7.52	0.43	1.53	0.59
30	2.03	4.11	7.73	7.28	0.50	1.16	0.63
31	2.09	4.15	7.74	6.96	0.56	1.19	0.66
Total	69						
Average	2.27	4.35	7.57	9.04	0.41	1.21	0.57
Min	1.58	4.09	7.44	6.96	0.26	0.70	0.49
Max	3.25	4.97	7.74	10.76	0.56	4.54	0.72


Glenrosa Reservoir Online Data
Free Chlorine Residual (mg/L)
FCR (mg/L)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
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
October 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)
October 2026									
1	0.34	1.50	0.67	0.47	0.62	0.53	0.53	0.59	0.57
2	0.34	0.83	0.43	0.52	0.59	0.56	0.52	0.60	0.56
3	0.32	0.88	0.53	0.51	0.57	0.54	0.53	0.70	0.61
4	0.34	0.92	0.53	0.48	4.91	0.53	0.56	0.77	0.68
5	0.32	0.86	0.51	0.43	0.50	0.47	0.52	0.61	0.58
6	0.37	0.84	0.46	0.40	0.46	0.42	0.49	0.59	0.56
7	0.34	0.81	0.48	0.36	0.41	0.39	0.47	0.57	0.54
8	0.36	0.81	0.44	0.32	0.39	0.35	0.42	0.54	0.50
9	0.34	0.77	0.46	0.30	0.39	0.34	0.41	0.49	0.46
10	0.34	0.79	0.47	0.32	0.39	0.34	0.46	0.56	0.54
11	0.34	0.75	0.44	0.32	0.39	0.35	0.47	0.61	0.55
12	0.32	0.77	0.45	0.28	0.36	0.31	0.48	0.53	0.51
13	0.34	0.83	0.47	0.29	0.36	0.32	0.47	0.56	0.53
14	0.36	0.84	0.46	0.23	0.32	0.27	0.46	0.57	0.53
15	0.32	0.81	0.47	0.22	0.29	0.25	0.50	0.64	0.57
16	0.37	0.84	0.46	0.18	0.26	0.22	0.48	0.58	0.53
17	0.34	0.84	0.49	0.17	0.26	0.21	0.55	0.63	0.60
18	0.40	0.79	0.48	0.18	0.26	0.21	0.56	0.67	0.62
19	0.37	0.79	0.46	0.15	0.43	0.25	0.56	0.61	0.58
20	0.37	0.62	0.43	0.32	0.44	0.36	0.52	0.64	0.57
21	0.36	0.62	0.42	0.25	0.37	0.29	0.53	0.57	0.55
22	0.34	0.61	0.42	0.23	0.48	0.39	0.01	0.62	0.56
23	0.14	0.55	0.33	0.34	0.47	0.40	0.49	0.58	0.54
24	0.25	0.50	0.31	0.26	0.40	0.32	0.17	0.51	0.37
25	0.12	0.51	0.28	0.26	0.46	0.36	0.23	0.40	0.33
26	0.23	0.57	0.34	0.32	0.69	0.45	0.38	0.42	0.40
27	0.26	0.57	0.34	0.59	1.01	0.82	0.39	0.45	0.42
28	0.26	0.57	0.32	0.87	0.99	0.93	0.37	0.40	0.38
29	0.26	0.57	0.32	0.81	0.95	0.88	0.37	0.44	0.41
30	0.26	1.10	0.43	0.76	0.91	0.83	0.41	0.47	0.44
31	0.51	1.05	0.59	0.72	0.84	0.77	0.42	0.47	0.45
Average	0.32	0.78	0.44	0.38	0.65	0.44	0.44	0.56	0.52
Min	0.12	0.50	0.28	0.15	0.26	0.21	0.01	0.40	0.33
Max	0.51	1.50	0.67	0.87	4.91	0.93	0.56	0.77	0.68



End-of-Line WQS Water Quality					
Date	**Turbidity**	**Temp**	**FCR**		**pH**
	Grab (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
06-Oct-26	0.16	15.7	0.61	0.58	7.46
13-Oct-26	0.11	14.8	0.53	0.53	7.42
20-Oct-26	0.18	14.1	0.66	0.59	7.28
27-Oct-26	0.09	13.1	0.39	0.43	7.54
# of Samples	4	4	4	4	4
Average	0.14	14.4	0.55	0.53	7.43
Range	0.09-0.18	13.1-15.7	0.39-0.66	0.43-0.59	7.28-7.54

WQ Field Data

McIver SS

McIver SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
06-Oct-26	0.09	14.0	0.59	7.51
13-Oct-26	0.16	14.0	0.54	7.35
20-Oct-26	0.55	12.1	0.62	7.36
27-Oct-26	0.10	10.6	0.51	7.50
# of Samples	4	4	4	4
Average	0.23	12.7	0.57	7.43
Range	0.09-0.55	10.6-14.0	0.51-0.62	7.35-7.51

Bulk Water Station (Stn)

Bulk Water Station Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
06-Oct-26	0.34	17.1	0.39	7.55
13-Oct-26	0.28	14.6	0.48	7.26
20-Oct-26	0.14	13.3	0.54	7.32
27-Oct-26	0.25	11.5	0.49	7.50
# of Samples	4	4	4	4
Average	0.25	14.13	0.48	7.41
Range	0.14-0.34	11.5-17.1	0.39-0.54	7.26-7.55