

CITY OF WEST KELOWNA

Monthly Water Quality Report



Powers Creek Water Service Area
October 2025

WATER SUPPLY AND TREATMENT





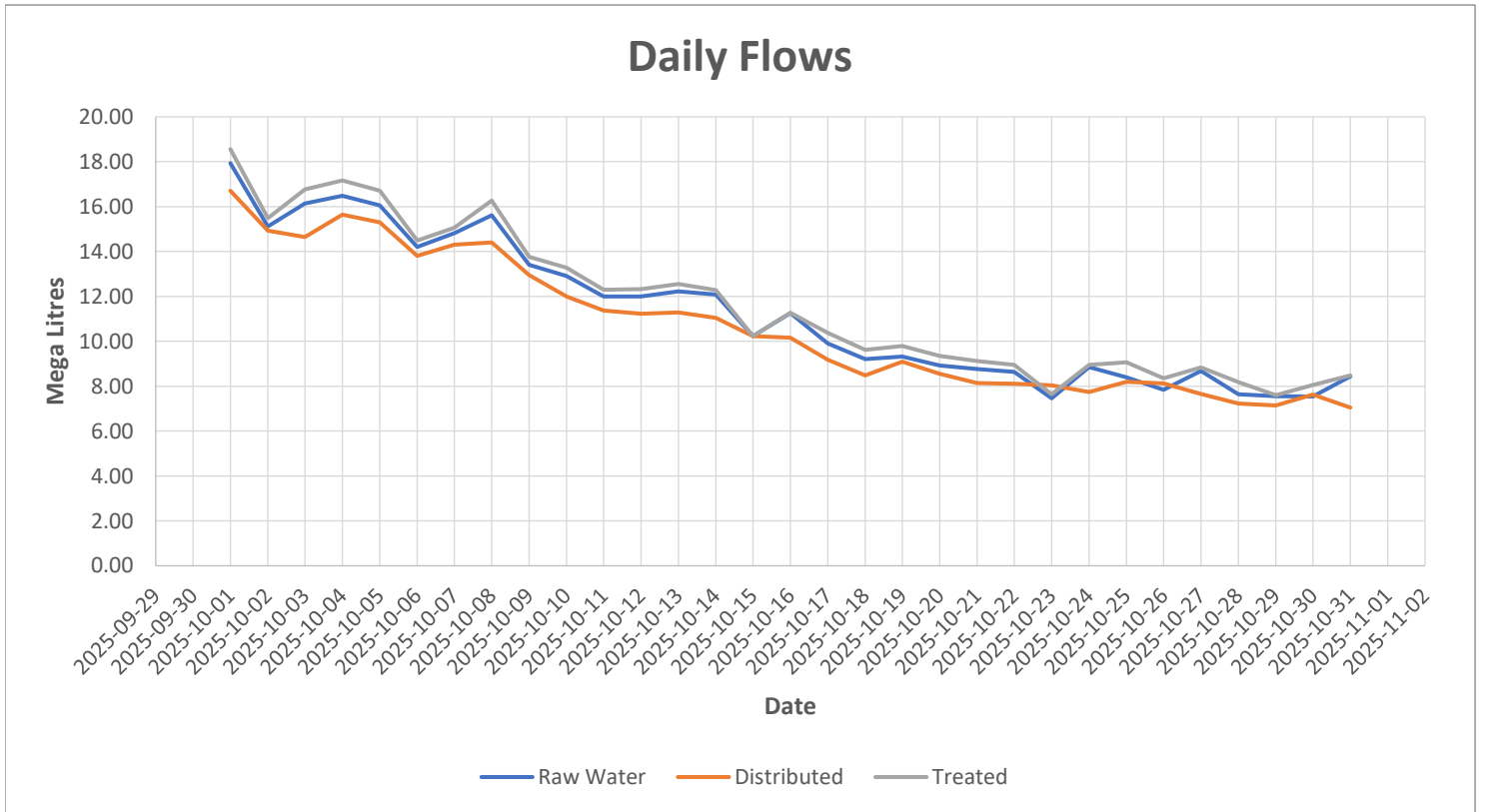
Powers Creek Water Treatment Plant Monthly Water Quality Summary

2025-11-12

October, 2025

Flow Demand:

	Total for Month
Raw Processed Water:	349.64 ML
Treated Water :	360.86 ML
Distributed Water :	330.36 ML
Backwash Water :	12.99 ML



Notes:

Raw Water Specifications:

Date	Raw Turbidity (NTU)			Raw pH		
	Min	Max	Average	Min	Max	Average
2025-10-01	0.33	4.52	1.52	7.61	7.75	7.69
2025-10-02	0.82	2.37	1.06	7.65	7.77	7.70
2025-10-03	0.96	3.18	1.08	7.65	7.75	7.71
2025-10-04	0.84	2.63	1.01	7.67	7.78	7.72
2025-10-05	0.72	2.25	0.90	7.63	7.74	7.70
2025-10-06	0.72	2.59	0.89	7.62	7.77	7.70
2025-10-07	0.74	2.56	1.04	7.64	7.77	7.72
2025-10-08	1.08	3.63	1.45	7.70	7.78	7.75
2025-10-09	0.98	2.88	1.26	7.69	7.75	7.72
2025-10-10	0.96	3.76	1.12	7.68	7.74	7.71
2025-10-11	0.99	4.10	1.19	7.67	7.75	7.71
2025-10-12	0.96	3.11	1.16	7.66	7.77	7.71
2025-10-13	0.91	3.23	1.12	7.65	7.75	7.71
2025-10-14	0.72	2.00	0.96	7.64	7.73	7.70
2025-10-15	0.73	1.85	0.80	7.65	7.77	7.71
2025-10-16	0.70	1.80	0.77	7.23	7.80	7.74
2025-10-17	0.64	2.00	0.72	7.71	7.82	7.77
2025-10-18	0.66	2.24	0.74	7.71	7.80	7.76
2025-10-19	0.77	4.87	1.13	7.72	7.80	7.76
2025-10-20	1.02	3.50	1.19	7.68	7.77	7.72
2025-10-21	0.80	2.84	0.95	7.68	7.78	7.73
2025-10-22	0.39	1.37	0.58	7.67	7.77	7.73
2025-10-23	0.38	1.61	0.44	7.66	7.76	7.70
2025-10-24	0.11	2.76	0.61	7.62	7.75	7.70
2025-10-25	0.70	3.09	0.80	7.66	7.75	7.71
2025-10-26	0.74	3.01	0.87	7.61	7.75	7.69
2025-10-27	0.15	3.39	0.58	7.59	7.74	7.67
2025-10-28	0.40	1.40	0.46	7.63	7.71	7.67
2025-10-29	0.52	2.04	0.67	7.65	7.73	7.68
2025-10-30	0.35	1.35	0.51	7.62	7.73	7.68
2025-10-31	0.36	1.46	0.42	7.64	7.72	7.68

Notes:

Raw Water Specifications (Continued):

Date	Raw Temp (°C)			Raw DOC (mg/L)		
	Min	Max	Average	Min	Max	Average
2025-10-01	11.12	12.54	11.70	10.04	10.59	10.36
2025-10-02	11.16	12.15	11.62	10.03	14.77	11.03
2025-10-03	10.04	12.00	10.87	12.76	14.04	13.62
2025-10-04	9.96	10.89	10.36	13.32	15.75	13.90
2025-10-05	9.10	10.20	9.74	13.90	14.47	14.15
2025-10-06	8.57	10.06	9.39	13.81	14.75	14.42
2025-10-07	8.33	9.77	9.13	14.27	14.85	14.52
2025-10-08	9.26	10.26	9.77	-3.09	14.78	14.52
2025-10-09	8.71	10.14	9.24	14.17	14.97	14.71
2025-10-10	8.27	9.29	8.84	14.88	15.47	15.24
2025-10-11	8.34	9.31	8.70	14.83	15.43	15.19
2025-10-12	7.77	8.62	8.07	14.96	15.59	15.30
2025-10-13	6.10	7.78	6.69	14.89	15.83	15.58
2025-10-14	4.35	6.15	4.92	15.52	16.39	16.12
2025-10-15	3.63	4.60	4.10	15.54	16.43	16.32
2025-10-16	3.80	4.73	4.17	16.00	16.91	16.61
2025-10-17	4.73	5.60	5.08	???	116.09	10.36
2025-10-18	4.71	5.49	5.06	8.32	8.51	8.44
2025-10-19	5.36	6.09	5.73	8.33	10.17	8.97
2025-10-20	5.32	6.07	5.69	9.72	10.37	10.09
2025-10-21	5.84	6.47	6.10	8.82	9.68	9.20
2025-10-22	5.30	6.34	5.73	8.69	8.96	8.81
2025-10-23	5.53	5.97	5.71	8.45	9.05	8.83
2025-10-24	5.94	6.91	6.24	8.86	9.33	9.05
2025-10-25	6.15	6.95	6.46	9.09	9.74	9.55
2025-10-26	6.05	6.44	6.25	9.45	10.13	9.85
2025-10-27	4.91	6.77	5.37	9.62	10.36	10.10
2025-10-28	3.62	4.92	4.08	9.65	10.00	9.83
2025-10-29	3.54	4.37	3.88	9.54	10.37	10.05
2025-10-30	3.67	4.37	3.87	9.79	10.29	10.14
2025-10-31	3.27	3.83	3.48	7.40	9.79	8.44

Notes:

Oct 17th - cleaned quartz cell on DOC, min value NA

Raw Water Specifications (Continued):

Date	Raw Cond ($\mu\text{S}/\text{cm}$)			Streaming Current		
	Min	Max	Average	Min	Max	Average
2025-10-01	53.62	76.69	75.06	-20.02	17.53	4.00
2025-10-02	31.75	76.88	75.60	-18.74	28.66	5.40
2025-10-03	57.86	77.23	75.95	???	10.42	-3.47
2025-10-04	74.77	75.78	75.18	-13.39	17.39	8.47
2025-10-05	73.95	75.56	74.52	-13.94	22.58	14.33
2025-10-06	73.78	76.19	75.16	-14.06	25.30	16.39
2025-10-07	70.69	75.83	75.12	-9.22	46.14	18.20
2025-10-08	0.18	76.41	75.43	7.47	38.13	16.47
2025-10-09	50.76	76.37	75.63	-5.03	39.32	18.83
2025-10-10	72.64	76.72	76.34	-20.86	36.10	22.47
2025-10-11	75.80	77.10	76.30	1.20	44.09	25.68
2025-10-12	76.49	77.86	77.11	-0.90	36.10	26.45
2025-10-13	75.88	78.16	76.89	1.98	46.16	30.09
2025-10-14	76.22	79.44	77.04	3.18	54.48	41.51
2025-10-15	48.84	80.27	78.02	24.56	56.56	43.45
2025-10-16	76.15	79.36	77.20	41.82	55.20	45.54
2025-10-17	72.10	80.87	77.48	33.98	50.29	39.75
2025-10-18	76.89	80.09	78.51	31.31	43.95	37.09
2025-10-19	76.57	78.84	77.68	28.57	43.95	34.70
2025-10-20	76.14	80.08	78.07	-20.79	39.06	29.46
2025-10-21	66.66	83.58	81.49	23.44	36.03	29.07
2025-10-22	69.38	85.65	81.70	24.63	39.06	31.21
2025-10-23	79.89	82.58	81.29	21.46	55.13	31.19
2025-10-24	80.74	86.69	81.87	26.54	102.79	31.40
2025-10-25	80.09	81.88	80.95	22.49	33.17	27.91
2025-10-26	78.19	85.33	81.32	19.29	33.29	27.07
2025-10-27	70.04	86.83	81.15	21.32	41.90	29.67
2025-10-28	80.29	84.34	82.30	25.23	39.89	34.09
2025-10-29	68.34	81.82	80.62	30.48	41.01	36.28
2025-10-30	67.06	83.71	80.82	-14.11	44.02	37.04
2025-10-31	82.56	88.19	86.55	42.94	57.39	47.49

Notes:

Oct 3rd - streaming current flushed/cleaned.

Raw Water Specifications (Continued):

Date	Coagulated pH			Coagulated Temp (°C)		
	Min	Max	Average	Min	Max	Average
2025-10-01	7.08	7.27	7.17	11.16	12.59	11.72
2025-10-02	7.11	7.17	7.15	11.11	12.01	11.54
2025-10-03	7.16	7.21	7.18	10.18	13.98	10.83
2025-10-04	7.16	7.23	7.19	9.97	10.63	10.25
2025-10-05	7.15	7.21	7.19	8.58	9.82	9.14
2025-10-06	7.17	7.21	7.20	8.71	9.69	9.20
2025-10-07	7.10	7.22	7.17	8.50	9.58	9.07
2025-10-08	7.16	7.22	7.20	9.46	10.29	9.83
2025-10-09	7.07	7.18	7.13	8.70	10.29	9.27
2025-10-10	7.11	7.18	7.14	8.28	9.28	8.83
2025-10-11	7.11	7.17	7.13	8.41	9.21	8.70
2025-10-12	7.12	7.19	7.14	7.85	8.49	8.07
2025-10-13	7.13	7.21	7.17	6.32	7.51	6.72
2025-10-14	7.13	7.20	7.15	4.52	5.85	5.07
2025-10-15	7.14	7.18	7.17	3.80	4.48	4.19
2025-10-16	7.14	7.17	7.15	4.04	11.54	4.40
2025-10-17	7.12	7.16	7.14	4.91	5.67	5.23
2025-10-18	7.12	7.18	7.15	4.91	5.57	5.21
2025-10-19	7.09	7.16	7.14	5.53	6.23	5.88
2025-10-20	7.08	7.14	7.10	5.61	6.22	5.89
2025-10-21	7.13	7.16	7.14	6.05	6.52	6.23
2025-10-22	7.13	7.17	7.15	5.58	6.34	5.86
2025-10-23	7.13	7.23	7.17	5.77	6.32	5.99
2025-10-24	7.09	7.19	7.16	6.35	7.11	6.61
2025-10-25	7.13	7.20	7.17	6.69	7.26	6.90
2025-10-26	7.13	7.19	7.17	6.66	6.98	6.77
2025-10-27	7.10	7.17	7.15	5.44	6.87	5.87
2025-10-28	7.16	7.23	7.20	4.42	5.39	4.76
2025-10-29	7.16	7.20	7.18	4.25	4.88	4.53
2025-10-30	7.15	7.19	7.17	4.32	4.84	4.46
2025-10-31	7.17	7.23	7.20	3.78	4.18	3.95

Notes:

Train 1 Filter Turbidity (NTU):

Date	Filter 1			Filter 2			Filter 3		
	Min	Max	Average	Min	Max	Average	Min	Max	Average
2025-10-01	0.02	0.02	0.02	0.02	0.04	0.02	0.01	0.06	0.02
2025-10-02	0.02	0.06	0.02	0.02	0.09	0.03	0.01	0.02	0.02
2025-10-03	0.02	0.02	0.02	0.02	0.04	0.03	0.01	0.07	0.02
2025-10-04	0.02	0.07	0.02	0.02	0.11	0.03	0.01	0.01	0.01
2025-10-05	0.01	0.02	0.02	0.02	0.04	0.03	0.01	0.07	0.02
2025-10-06	0.01	0.06	0.02	0.02	0.12	0.03	0.01	0.01	0.01
2025-10-07	0.01	0.02	0.02	0.02	0.04	0.03	0.01	0.07	0.02
2025-10-08	0.02	0.06	0.02	0.03	0.11	0.03	0.01	0.02	0.01
2025-10-09	0.01	0.02	0.02	0.02	0.05	0.03	0.01	0.07	0.02
2025-10-10	0.02	0.07	0.02	0.02	0.11	0.03	0.01	0.02	0.01
2025-10-11	0.01	0.02	0.02	0.02	0.03	0.02	0.01	0.06	0.02
2025-10-12	0.01	0.06	0.02	0.02	0.09	0.03	0.01	0.01	0.01
2025-10-13	0.01	0.02	0.02	0.02	0.03	0.02	0.01	0.06	0.02
2025-10-14	0.02	0.05	0.02	0.02	0.03	0.02	0.01	0.01	0.01
2025-10-15	0.02	0.03	0.02	0.02	0.03	0.02	0.01	0.02	0.01
2025-10-16	0.02	0.03	0.02	0.02	0.03	0.02	0.01	0.03	0.02
2025-10-17	0.02	0.06	0.02	0.02	0.03	0.02	0.01	0.02	0.01
2025-10-18	0.02	0.08	0.02	0.02	0.04	0.02	0.01	0.02	0.01
2025-10-19	0.01	0.03	0.02	0.02	0.03	0.02	0.01	0.08	0.02
2025-10-20	0.02	0.02	0.02	0.02	0.03	0.03	0.01	0.02	0.01
2025-10-21	0.02	0.02	0.02	0.02	0.03	0.03	0.01	0.02	0.01
2025-10-22	0.02	0.02	0.02	0.02	0.07	0.03	0.01	0.02	0.02
2025-10-23	0.02	0.03	0.02	0.02	0.03	0.02	0.02	0.02	0.02
2025-10-24	0.02	0.02	0.02	0.02	0.05	0.03	0.01	0.08	0.02
2025-10-25	0.02	0.05	0.03	0.03	0.04	0.03	0.01	0.02	0.01
2025-10-26	0.02	0.03	0.03	0.03	0.04	0.03	0.01	0.01	0.01
2025-10-27	0.03	0.03	0.03	0.02	0.10	0.03	0.01	0.02	0.02
2025-10-28	0.03	0.04	0.03	0.02	0.03	0.02	0.02	0.03	0.02
2025-10-29	0.02	0.10	0.03	0.02	0.04	0.03	0.02	0.03	0.02
2025-10-30	0.02	0.02	0.02	0.03	0.04	0.03	0.02	0.03	0.03
2025-10-31	0.02	0.03	0.02	0.03	0.04	0.03	0.01	0.09	0.02

Notes:

Train 2 Filter Turbidity (NTU)

Date	Filter 4			Filter 5			Filter 6		
	Min	Max	Average	Min	Max	Average	Min	Max	Average
2025-10-01	0.02	0.08	0.03	0.03	0.03	0.03	0.02	0.02	0.02
2025-10-02	0.02	0.04	0.03	0.02	0.04	0.03	0.02	0.03	0.02
2025-10-03	0.03	0.08	0.03	0.02	0.03	0.03	0.02	0.03	0.02
2025-10-04	0.03	0.04	0.03	0.03	0.04	0.03	0.02	0.04	0.02
2025-10-05	0.02	0.08	0.03	0.03	0.04	0.03	0.02	0.03	0.03
2025-10-06	0.02	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.02
2025-10-07	0.02	0.03	0.03	0.03	0.04	0.04	0.02	0.03	0.02
2025-10-08	0.02	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02
2025-10-09	0.02	0.04	0.03	0.04	0.04	0.04	0.02	0.07	0.03
2025-10-10	0.03	0.06	0.03	0.03	0.03	0.03	0.03	0.04	0.03
2025-10-11	0.02	0.05	0.03	0.03	0.03	0.03	0.02	0.08	0.03
2025-10-12	0.02	0.04	0.03	0.03	0.03	0.03	0.02	0.03	0.03
2025-10-13	0.02	0.03	0.03	0.03	0.04	0.04	0.02	0.08	0.03
2025-10-14	0.03	0.11	0.03	0.03	0.06	0.03	0.02	0.02	0.02
2025-10-15	0.02	0.03	0.03	0.03	0.03	0.03	0.02	0.08	0.03
2025-10-16	0.02	0.06	0.03	0.03	0.03	0.03	0.01	0.01	0.01
2025-10-17	0.03	0.04	0.03	0.03	0.08	0.03	0.01	0.02	0.02
2025-10-18	0.02	0.04	0.03	0.02	0.02	0.03	0.02	0.06	0.02
2025-10-19	0.03	0.04	0.03	0.03	0.03	0.03	0.02	0.04	0.03
2025-10-20	0.03	0.04	0.03	0.03	0.08	0.03	0.03	0.03	0.03
2025-10-21	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.05	0.03
2025-10-22	0.03	0.04	0.04	0.03	0.03	0.03	0.02	0.03	0.03
2025-10-23	0.03	0.04	0.04	0.03	0.05	0.03	0.02	0.03	0.02
2025-10-24	0.03	0.11	0.04	0.03	0.03	0.03	0.02	0.03	0.03
2025-10-25	0.03	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.03
2025-10-26	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03
2025-10-27	0.03	0.05	0.04	0.03	0.08	0.03	0.03	0.03	0.03
2025-10-28	0.03	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03
2025-10-29	0.03	0.11	0.04	0.03	0.05	0.03	0.03	0.04	0.03
2025-10-30	0.03	0.04	0.03	0.04	0.04	0.04	0.04	0.05	0.04
2025-10-31	0.03	0.04	0.04	0.03	0.05	0.04	0.02	0.15	0.03

Notes:

UV Treatment:

	Average Flow	Avg Validated Dose	UV Availability
Date	(L/s)	(mj/cm2)	(%)
2025-10-01	244.66	24.62	99.92
2025-10-02	158.29	36.52	99.11
2025-10-03	224.91	23.50	99.93
2025-10-04	196.03	24.64	99.93
2025-10-05	191.75	25.20	99.93
2025-10-06	168.34	27.96	99.93
2025-10-07	206.39	23.60	99.93
2025-10-08	202.30	23.94	99.93
2025-10-09	170.37	27.94	99.93
2025-10-10	175.94	26.50	99.93
2025-10-11	120.83	38.09	99.93
2025-10-12	108.85	42.52	99.93
2025-10-13	109.23	43.28	99.93
2025-10-14	125.53	38.08	99.93
2025-10-15	118.91	41.08	99.93
2025-10-16	147.71	32.66	99.93
2025-10-17	149.10	32.26	99.93
2025-10-18	88.40	49.30	99.93
2025-10-19	83.91	51.18	99.93
2025-10-20	122.00	36.66	99.93
2025-10-21	97.96	41.72	99.93
2025-10-22	91.15	44.80	99.93
2025-10-23	99.85	41.74	99.93
2025-10-24	111.24	39.14	99.93
2025-10-25	110.68	37.70	99.93
2025-10-26	106.54	38.86	99.93
2025-10-27	111.44	37.24	99.93
2025-10-28	113.67	20.14	99.93
2025-10-29	111.40	99.93	99.93
2025-10-30	106.89	99.93	99.93
2025-10-31	111.04	99.93	99.93

Notes:

UV Transmittance %:

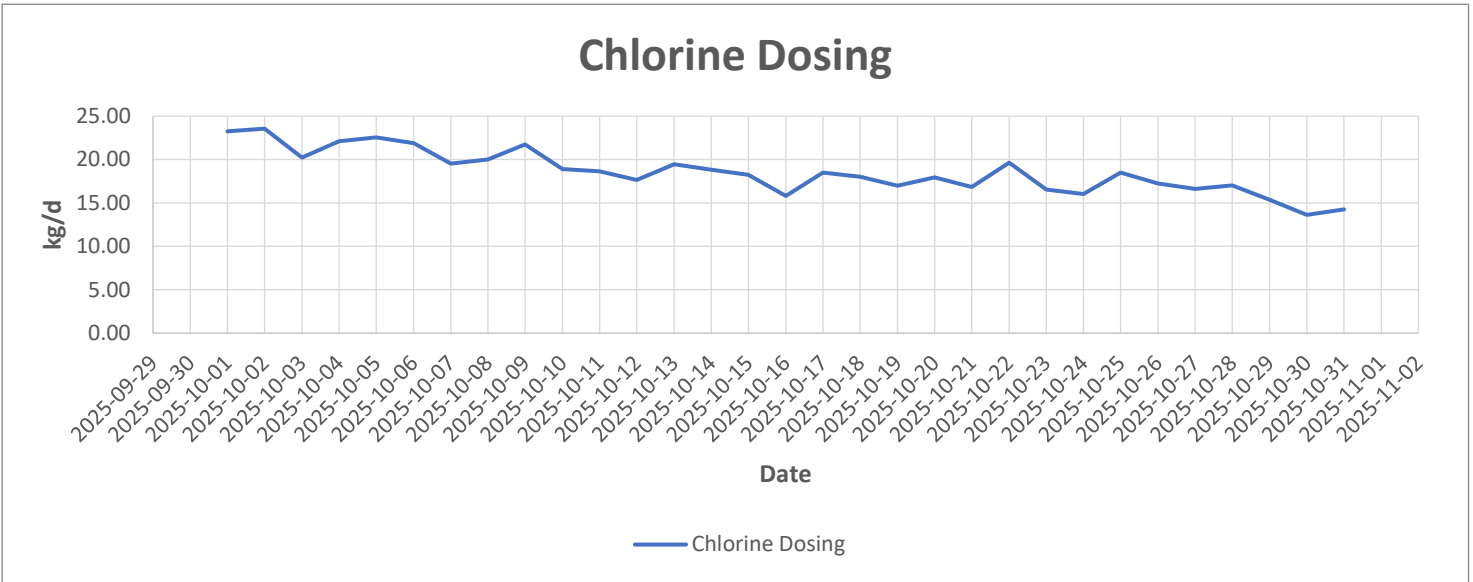
Date	Min	Max	Average
2025-10-01	91.50	93.70	91.99
2025-10-02	90.50	93.40	91.69
2025-10-03	88.90	91.00	89.76
2025-10-04	88.70	90.80	89.72
2025-10-05	88.90	90.60	89.57
2025-10-06	88.40	90.20	89.27
2025-10-07	86.30	92.20	89.47
2025-10-08	86.70	91.00	89.50
2025-10-09	86.90	92.40	89.32
2025-10-10	87.40	91.30	88.97
2025-10-11	87.50	92.20	89.00
2025-10-12	88.50	91.70	89.18
2025-10-13	86.60	91.30	89.21
2025-10-14	87.10	93.20	89.36
2025-10-15	88.00	92.10	89.24
2025-10-16	88.40	91.60	89.38
2025-10-17	87.00	91.40	89.16
2025-10-18	87.10	92.10	88.88
2025-10-19	83.70	92.00	88.77
2025-10-20	87.30	91.00	88.39
2025-10-21	86.60	91.10	88.22
2025-10-22	85.90	91.30	88.47
2025-10-23	84.90	92.00	88.57
2025-10-24	86.20	90.60	88.54
2025-10-25	88.00	89.70	88.38
2025-10-26	84.60	90.30	88.27
2025-10-27	85.70	91.40	88.20
2025-10-28	86.10	92.10	88.38
2025-10-29	87.70	92.30	88.60
2025-10-30	87.90	90.70	88.74
2025-10-31	88.90	90.50	89.56

Notes:

Chemical Demand:

Chlorine Used:

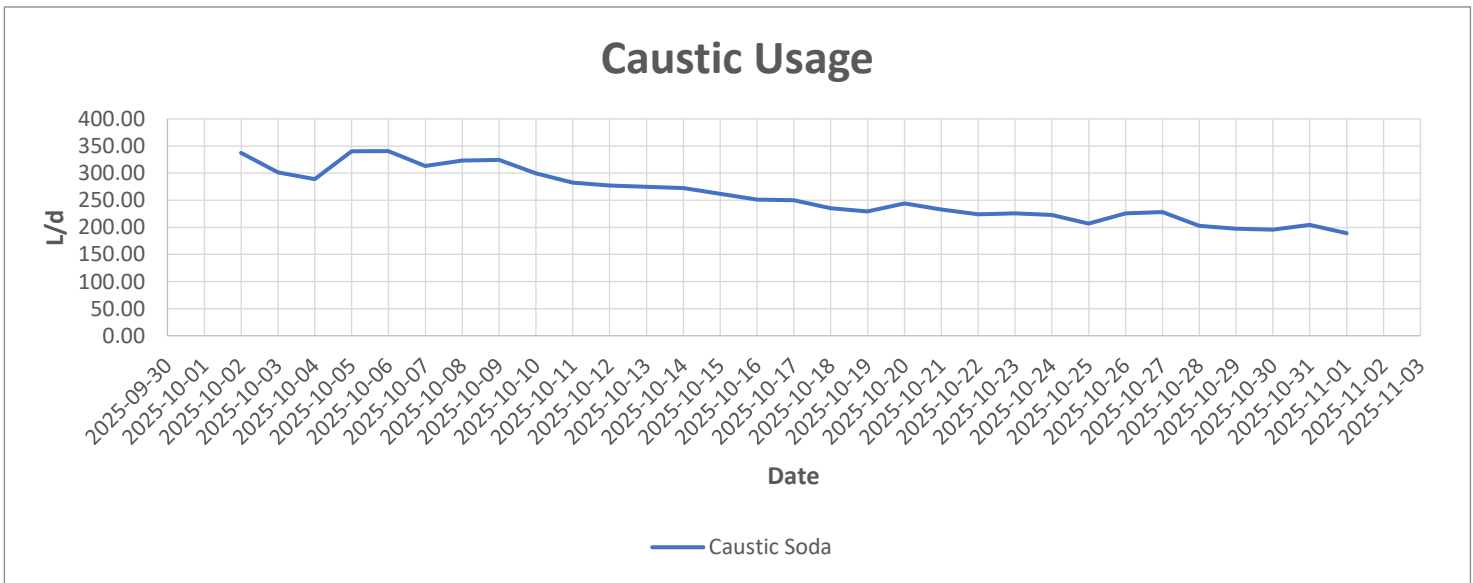
Total for Month
575.55 Kgs



Notes:

Caustic Soda Used:

Total for Month
8001.93 Litres

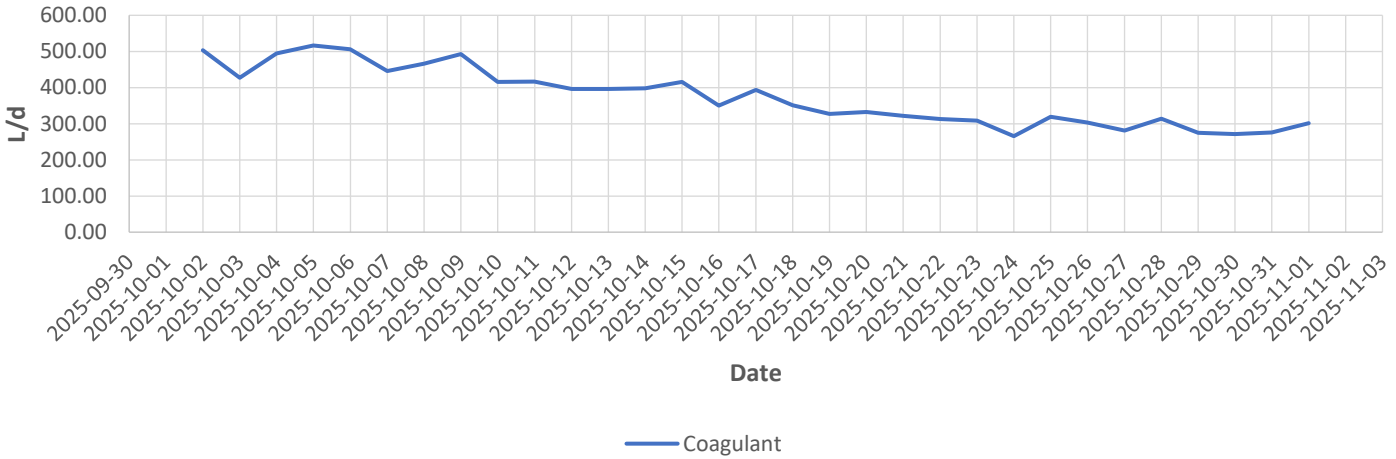


Notes:

Coagulant Used:

Total for Month
11592.07 Litres

Coagulant Usage



Notes:

DAF & Residual DAF Neat Polymer

Total for Month
226.53 L

Centrifuge Neat Polymer

Total for Month
526.87 L

Chlorine Dose

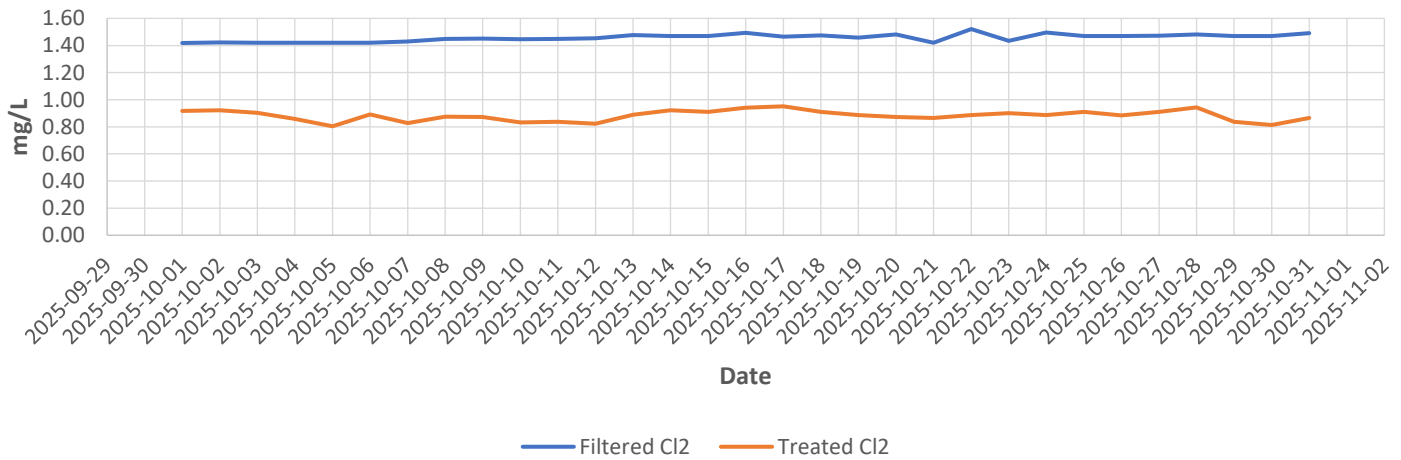
Filtered Water Residual Cl2 Average (mg/L):

1.46 mg/L

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

0.88 mg/L

Average Residual Cl2 Content

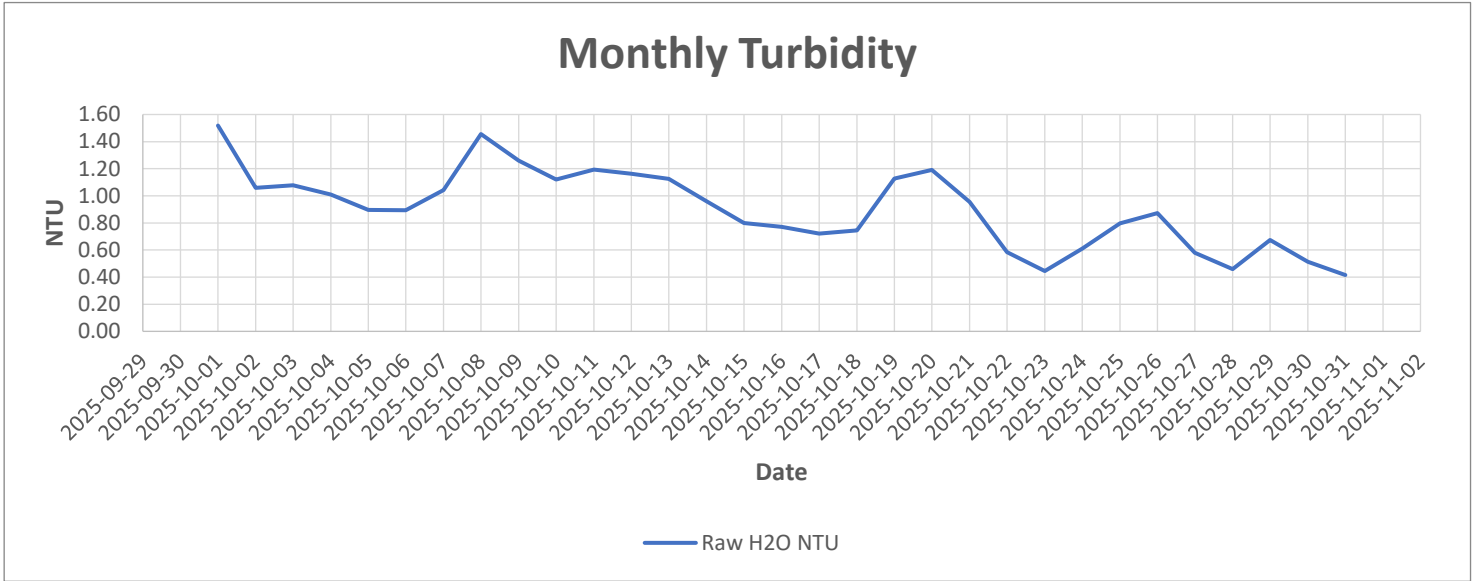


Water Quality Analytics:

Turbidity

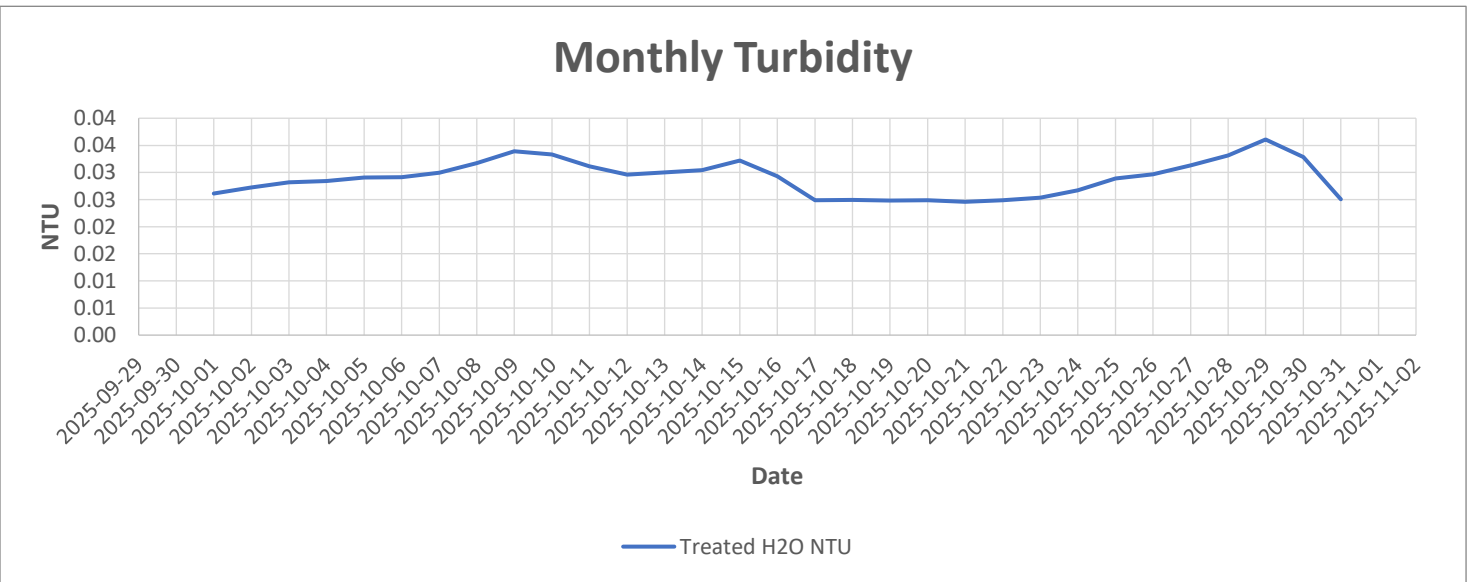
Raw Water Monthly Average:

0.90 NTU



Treated Water Monthly Average:

0.03 NTU



Notes:

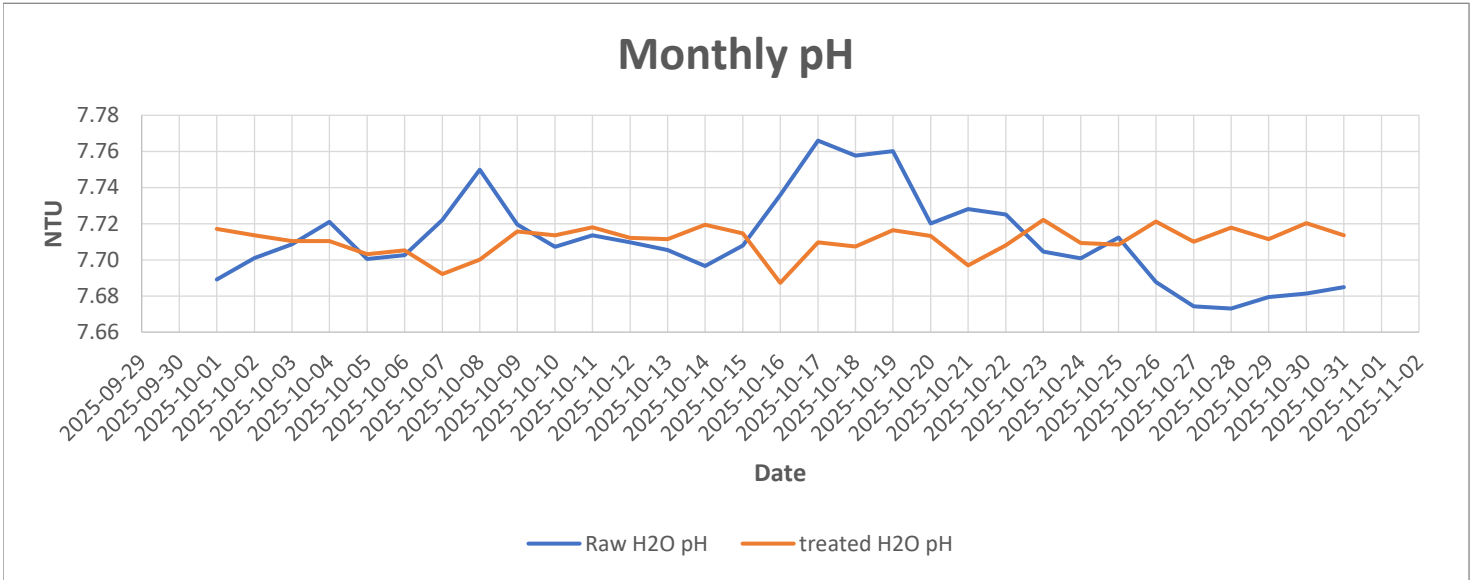
pH

Raw Water Monthly Average:

7.71 pH

Treated Water Monthly Average:

7.71 pH



Notes:

Powers Creek WTP Operational Highlights:

Ongoing Hypochlorite Project by contractor, all month (currently on hold due to deficiencies)

- Oct 6th - Changed Cl₂ membrane leaving the reservoir
- Oct 6th/7th - semi-annual DAF maintenance on DAFs #4, 5, 6 floc tanks, poly day tank, & poly system flush
- Oct 8th - changed raw water tubing
- Oct 10th - changed treated water tubing & vial
- Oct 15th/16th - semi-annual DAF maintenance on DAFs #1, 2, 3 floc tanks, poly day tank & poly system flush
- Oct 16th - cleaned & calibrated pH probes
- Oct 17th - cleaned & calibrated NTU probes & housing
- Oct 20th - Annual Generator testing by contractor (not completed)
- Oct 21st/22nd - staff in Confined Space Training
- Oct 23rd - changed out CTF poly tote
- Oct 23rd-31st - Annual cleaning of PAC tanks
- Oct 23rd & 30th - Engineering project on intake road to survey and find water main
- Oct 27th - UV set from 4 lamps to 2 lamps for winter
- Oct 28th - changed Cl₂ membrane entering reservoir
- Oct 28th - Alumichem in to jar test new DAF poly tote
- Oct 28th - replaced pump lines & assembly at the End of the line location
- Oct 29th - Last upland lake closed for the season. Lambly lake only for the winter
- Oct 30th - new instrument air dryer installed by millwright
- Oct 31st - cathodic Contractor in to test newly installed cathodic bed

Power Creek Watershed Operational Highlights:

Ongoing dam maintenance though out the month

Lambly

- Weekly Dam inspections
- Oct 1st level was 2643.3ML
- Oct 7th put up new signs on North Dam
- Oct 28th level was 2945.5ML changed Fuel Cell

Jackpine

- Weekly Dam inspections
- Oct 1st level was 979.4ML
- Oct 14th level was 709.2ML moved boom logs and cleaned up spillway
- Oct 29th level was 326.8ML closed for season

Paynter

- Empty and closed for season

Horseshoe

- Weekly Dam inspections
- Oct 1st level was 593.3ML
- Oct 28th level was 367.6ML closed for season

Dobbin

- Weekly Dam inspection
- Oct 1st level was 329.3ML
- Oct 20th level was 53ML closed for season

Tadpole

- Weekly Dam inspections
- Oct 1st level was 1894.6ML Closed for season
- Oct 7th put up new sign at North Dam and completed Piezometers
- Oct 28th level was 1902ML snow on dam

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

October 2025

Water Quality Data Review

- Based on the Power's Creek Water Service Area distribution system grab sample data, it appears the turbidity, free-chlorine (FCR) and bacteriological results have met the Water Quality Objectives during the month of October.
- October Bacteriological Sampling Summary:
 - 20 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 6, 2025 – Dixie Reservoir dosing target was changed from 0.70mg/L to 1.0mg/L, as the FCR was found to be low at 0.12mg/L
- October 8, 2025 – Glenrosa Reservoir hypo stock was changed on the PLC from 8.5% to 5.8% after high strength testing.
- October 9, 2025 – Dixie Reservoir hypo stock was changed on the PLC to 6.5% and confirmed dosing was at to 1.0mg/L. Pump run was initiated to ensure mixing in reservoir cell.
- October 9, 2025 – Glenrosa Reservoir hypo stock was added and strength testing completed, PLC was set to 8.5% strength, and dosage was confirmed at 0.80mg/L.
- October 10, 2025 – Dixie Reservoir hypo strength was changed on PLC from 6.5% to 7.9% and the dosing was changed from 1.50mg/L to 1.00mg/L.
- October 15, 2025 – Glenrosa Reservoir FCR online analyzer calibration adjustment of 0.18mg/L increase.
- October 17, 2025 – Glenrosa Reservoir pH and FCR online analyzer calibration adjustment of 0.7 decrease for pH and 0.70mg/L decrease for FCR.
- October 20, 2025 – Dixie Reservoir hypo stock was changed on the PLC from 7.90% to 6.00%.
- October 22, 2025 – Glenrosa Reservoir hypo stock was changed on the PLC from 8.50% to 6.00%.
- October 31, 2025 – Dixie Reservoir hypo stock was changed on the PLC from 6.0% to 7.5%.
- October 31, 2025 – Glenrosa Reservoir hypo stock was changed on the PLC from 6.0% to 10.0%.

Operational System Improvements/Events

- October 1, 2025 – 3778 Wetton Rd leak on watermain, repaired completed by City contractor. Twelve homes were affected by repair (3746-3820 Wetton Rd) water service distribution from 11am to 4pm. This was a Type 2 break that was fully excavated prior to isolation, no contamination was identified.
- October 10, 2025 – 2515 Delray Rd curb stop replaced.
- October 16, 2025 – 3696 Granada Cres service line repair completed, including new curb stop.
- October 20, 2025 – 3824 Glenview Rd leak on water service line, repaired completed by City staff. Only one affected home.
- October 24, 2025 – 2961 McVicar Rd leak on water service line, repair completed by City staff.

- October 25, 2025 – 3683 Inverness Rd water service repair at the water main corporation stop. Repair started on the 25th and completed on October 27th by City staff, only the one home was affected by the repair.
- October 27, 2025 – Glenrosa Reservoir hypo pumps were serviced, replacing and cleaning all appurtenances related to the pumps.
- October 28, 2025 – 3246 McGinnis Rd water service repair completed, only one home was affected by repair.
- October 30, 2025 – Smith Creek Reservoir level trend flatline, complete PLC restart was completed by EI Technician.
- October 31, 2025 – Glenrosa Reservoir planned maintenance done on hypo skid equipment, including a new drain line, new hose bib connection on high pressure pumps and wash down and clean up.
- October 1-31, 2025 – All pump stations and sample taps were winterized.

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.

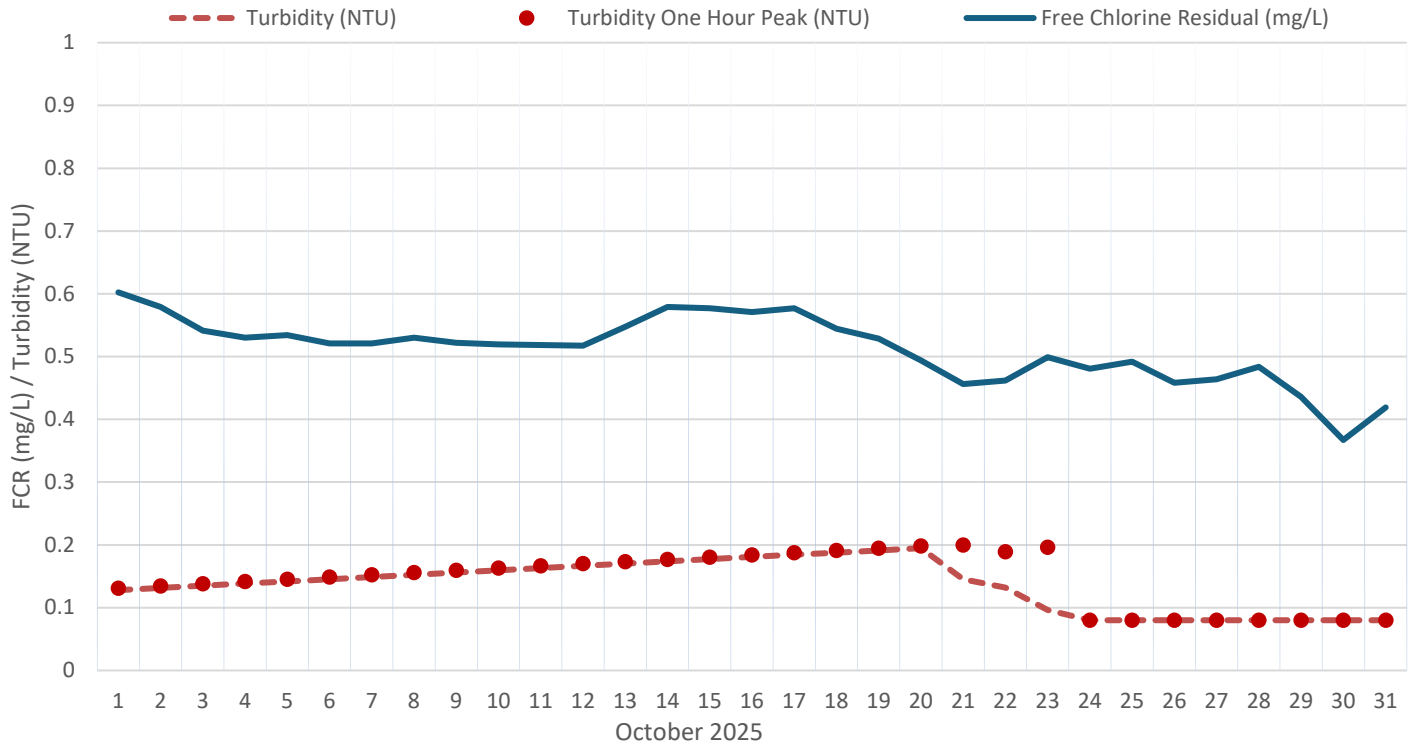
- **PS** = Pump Station
- **SS** = Sample Station
- **Res** = Reservoir
- **WQS** = Water Quality Station

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)
October 2025							
1	7.45	0.13	0.13	13.15	0.48	0.67	0.60
2	7.38	0.13	0.13	12.57	0.48	0.65	0.58
3	7.34	0.13	0.14	12.26	0.41	0.61	0.54
4	7.37	0.14	0.14	11.43	0.42	0.62	0.53
5	7.34	0.14	0.15	10.51	0.43	0.60	0.53
6	7.42	0.15	0.15	9.88	0.42	0.59	0.52
7	7.46	0.15	0.15	10.20	0.42	0.57	0.52
8	7.41	0.15	0.16	10.35	0.41	0.60	0.53
9	7.44	0.16	0.16	10.28	0.40	0.61	0.52
10	7.42	0.16	0.16	10.06	0.37	0.60	0.52
11	7.40	0.16	0.17	10.06	0.43	0.60	0.52
12	7.42	0.17	0.17	9.77	0.39	0.58	0.52
13	7.42	0.17	0.17	9.14	0.39	0.62	0.55
14	7.43	0.17	0.18	8.27	0.51	0.66	0.58
15	7.40	0.18	0.18	7.01	0.46	0.65	0.58
16	7.40	0.18	0.18	6.48	0.47	0.65	0.57
17	7.35	0.18	0.19	6.58	0.48	0.67	0.58
18	7.38	0.19	0.19	7.00	0.44	0.60	0.54
19	7.36	0.19	0.19	7.23	0.42	0.60	0.53
20	7.36	0.19	0.20	7.58	0.41	0.54	0.49
21	7.39	0.15	0.20	8.20	0.35	0.54	0.46
22	7.41	0.13	0.19	8.03	0.34	0.59	0.46
23	7.37	0.10	0.20	7.97	0.39	0.59	0.50
24	7.36	0.08	0.08	7.99	0.35	0.57	0.48
25	7.34	0.08	0.08	8.24	0.39	0.58	0.49
26	7.32	0.08	0.08	8.32	0.35	0.55	0.46
27	7.32	0.08	0.08	8.16	0.31	0.63	0.46
28	7.31	0.08	0.08	7.68	0.33	0.63	0.48
29	7.28	0.08	0.08	7.27	0.31	0.53	0.44
30	7.28	0.08	0.08	8.34	0.24	0.54	0.37
31	7.26	0.08	0.08	6.19	0.32	0.49	0.42
Average	7.37	0.14		8.91	0.40	0.60	0.51
Min	7.26	0.08		6.19	0.24	0.49	0.37
Max	7.46	0.19	0.20	13.15	0.51	0.67	0.60

Lateral One PS Online Data



Lateral One PS Water Quality

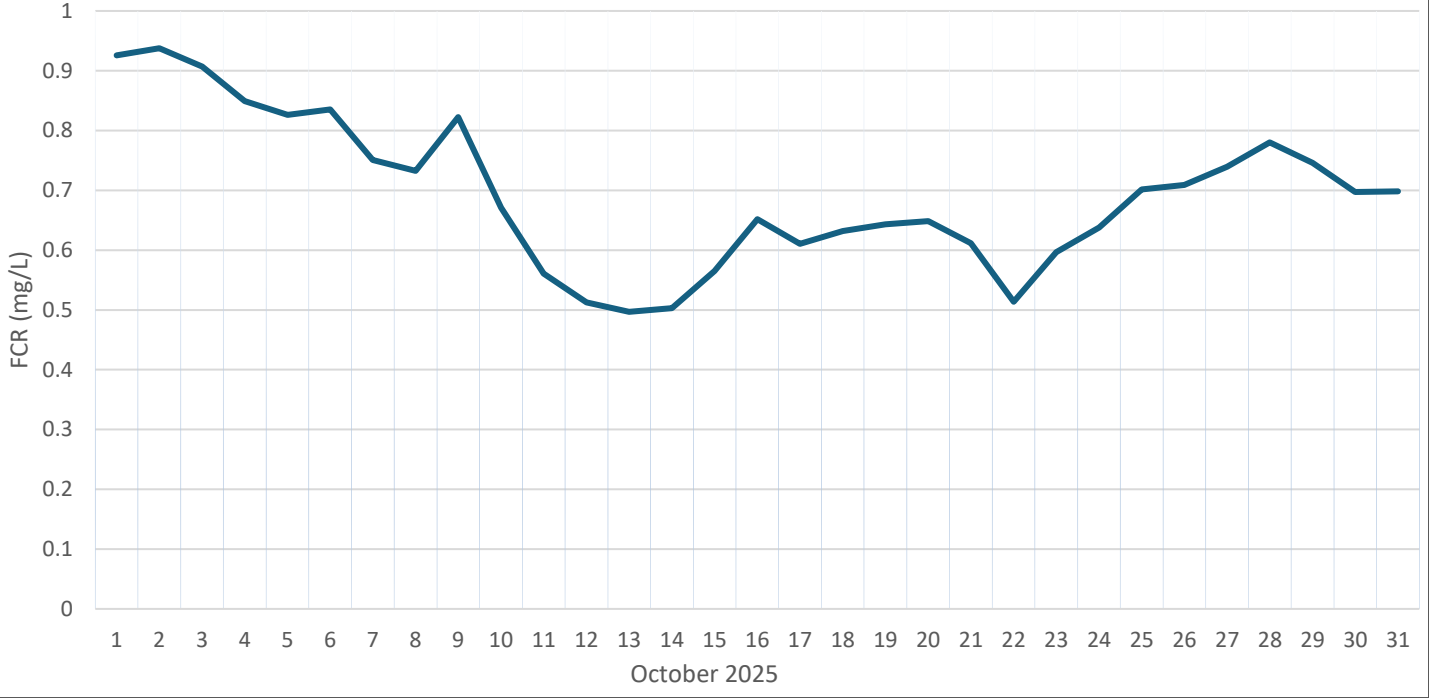
Date	Turbidity		Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
01-Oct-25	0.12	0.06	13.0	0.79	0.62	7.65
07-Oct-25	0.15	0.06	10.3	0.77	0.57	7.61
14-Oct-25	0.18	0.06	8.5	0.74	0.56	7.45
21-Oct-25	0.21	0.12	7.0	0.74	0.55	7.54
28-Oct-25	0.16	0.06	6.8	0.85	0.54	7.54
# of Samples	5	5	5	5	5	5
Average	0.16	0.07	9.12	0.78	0.57	7.56
Range	0.12-0.21	0.06-0.12	6.8-13.0	0.74-0.85	0.54-0.62	7.45-7.65

Glenrosa PS & Reservoir

Glenrosa PS & Reservoir Online Data							
Date	Flow Total From PS	Peak Flow From PS	Reservoir pH	Reservoir Temp	FCR		
	(ML)	Max (ML/Day)	Avg (pH)	Avg (°C)	Min (mg/L)	Max (mg/L)	Avg (mg/L)
October 2025							
1	2.97	5.08	8.10	12.76	0.65	1.79	0.93
2	2.78	5.06	8.08	12.52	0.65	1.75	0.94
3	2.69	5.05	8.08	12.31	0.59	1.58	0.91
4	2.89	5.05	8.09	11.83	0.59	1.46	0.85
5	3.07	5.07	8.08	11.21	0.58	1.50	0.83
6	2.46	5.06	8.11	10.79	0.59	1.76	0.84
7	2.94	5.08	8.12	10.67	0.55	2.00	0.75
8	2.87	4.37	8.10	10.67	0.58	2.22	0.73
9	2.63	4.37	8.11	10.79	0.57	1.72	0.82
10	2.40	4.37	8.09	10.68	0.57	0.83	0.67
11	2.40	4.36	8.09	10.58	0.47	0.65	0.56
12	2.35	4.37	8.10	10.41	0.40	0.64	0.51
13	2.33	4.37	8.10	10.03	0.38	0.68	0.50
14	2.29	4.35	8.10	9.23	0.37	0.71	0.50
15	2.38	4.37	8.08	8.35	0.38	0.86	0.56
16	2.33	8.07	8.10	7.67	0.43	0.89	0.65
17	2.22	4.12	7.70	7.88	0.43	1.52	0.61
18	2.06	4.18	7.43	7.97	0.49	1.52	0.63
19	2.57	4.11	7.43	7.88	0.53	1.52	0.64
20	2.07	4.15	7.44	8.06	0.57	1.35	0.65
21	2.10	8.09	7.45	8.00	0.48	1.41	0.61
22	2.13	4.45	7.47	8.12	0.38	1.63	0.51
23	2.24	4.46	7.49	8.00	0.45	4.03	0.60
24	2.21	4.52	7.49	7.93	0.50	1.83	0.64
25	2.26	4.41	7.49	7.97	0.62	1.63	0.70
26	2.32	4.45	7.50	7.98	0.58	1.66	0.71
27	2.16	4.45	7.50	7.88	0.56	1.68	0.74
28	1.94	5.06	7.51	7.63	0.61	1.66	0.78
29	1.93	5.07	7.51	7.32	0.54	1.43	0.75
30	2.18	5.06	7.52	7.00	0.47	1.44	0.70
31	1.83	5.07	7.52	6.82	0.50	1.38	0.70
Total	71						
Average	2.39	4.84	7.81	9.26	0.52	1.51	0.69
Min	1.83	4.11	7.43	6.82	0.37	0.64	0.50
Max	3.07	8.09	8.12	12.76	0.65	4.03	0.94

Glenrosa Reservoir Online Data

Free Chlorine Residual (mg/L)



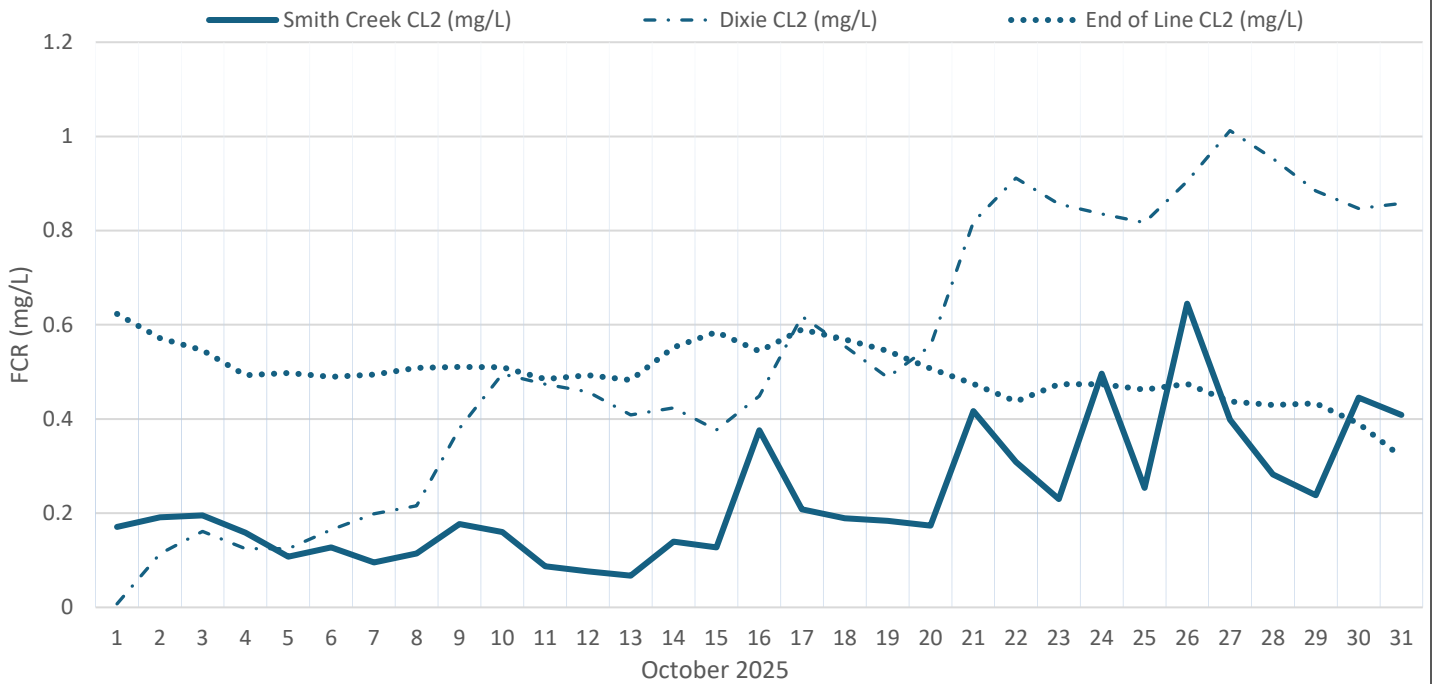
Smith Creek PS, Dixie Reservoir & End-of-Line WQS

Date	Smith Creek Reservoir FCR		
	Min (mg/L)	Max (mg/L)	Avg (mg/L)
October 2025			
1	0.15	0.21	0.17
2	0.14	0.29	0.19
3	0.18	0.24	0.20
4	0.12	0.18	0.16
5	0.08	0.15	0.11
6	0.07	0.32	0.13
7	0.07		0.10
8	0.07	0.39	0.11
9	0.07	0.42	0.18
10	0.08	0.46	0.16
11	0.07	0.11	0.09
12	0.07	0.08	0.08
13	0.07	0.10	0.07
14	0.08	0.39	0.14
15	0.08	0.17	0.13
16	0.15	1.32	0.38
17	0.18	0.29	0.21
18	0.18	0.21	0.19
19	0.18	0.21	0.18
20	0.14	0.24	0.17
21	0.18	1.76	0.42
22	0.25	0.39	0.31
23	0.21	0.26	0.23
24	0.19	1.63	0.50
25	0.21	0.36	0.25
26	0.19	2.00	0.64
27	0.31	0.57	0.40
28	0.25	0.32	0.28
29	0.21	0.26	0.24
30	0.17	1.38	0.45
31	0.36	0.48	0.41
Average	0.15	0.67	0.23
Min	0.07	0.08	0.07
Max	0.36	2.00	0.64

Dixie Reservoir FCR		
Min (mg/L)	Max (mg/L)	Avg (mg/L)
0.01	0.02	0.01
0.02	0.21	0.11
0.12	0.21	0.16
0.08	0.17	0.12
0.07		0.12
0.08	0.26	0.16
0.15	0.24	0.20
0.14	0.29	0.22
0.23	0.48	0.38
0.40	0.58	0.50
0.43	0.52	0.47
0.41	0.51	0.46
0.36	0.46	0.41
0.39	0.47	0.42
0.32	0.42	0.38
0.29	0.66	0.45
0.59	0.64	0.62
0.52	0.59	0.55
0.45	0.53	0.49
0.41	0.72	0.56
0.64	0.95	0.82
0.89	0.96	0.91
0.81	0.92	0.86
0.78	0.88	0.84
0.78	0.86	0.82
0.62	1.06	0.90
0.96	1.05	1.01
0.91	0.99	0.95
0.84	0.94	0.88
0.80	0.88	0.85
0.81	0.88	0.86
0.46	0.88	0.53
0.01	0.02	0.01
0.96	1.06	1.01

End-of-The Line FCR		
Min (mg/L)	Max (mg/L)	Avg (mg/L)
0.55	0.71	0.62
0.51	0.62	0.57
0.46	0.61	0.55
0.45	0.54	0.49
0.44	0.55	0.50
0.45	0.53	0.49
0.44	0.55	0.49
0.47	0.55	0.51
0.47	0.55	0.51
0.48	0.54	0.51
0.43	0.53	0.48
0.44	0.53	0.49
0.44	0.56	0.48
0.53	0.57	0.55
0.55	0.62	0.58
0.53	0.59	0.54
0.56	0.60	0.59
0.54	0.60	0.57
0.52	0.56	0.54
0.48	0.54	0.51
0.45	0.50	0.47
0.41	0.47	0.44
0.45	0.53	0.47
0.45	0.52	0.47
0.44	0.51	0.46
0.44	0.51	0.47
0.42	0.47	0.44
0.39	0.46	0.43
0.41	0.46	0.43
0.34	0.45	0.39
0.29	0.34	0.32
0.46	0.54	0.50
0.29	0.34	0.32
0.56	0.71	0.62

Smith Creek/Dixie/End of Line Online Data



End-of-Line WQS Water Quality

Date	Turbidity	Temp	FCR		pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
01-Oct-25	0.13	15.9	0.59	0.62	7.75
07-Oct-25	0.09	14.3	0.52	0.50	7.56
14-Oct-25	0.11	13.8	0.53	0.56	7.51
21-Oct-25	0.08	13.1	0.50	0.46	7.62
28-Oct-25	0.15	12.5	0.40	-	7.29
# of Samples	5	5	5	4	5
Average	0.11	13.9	0.51	0.535	7.55
Range	0.08-0.15	12.5-15.9	0.40-0.59	0.46-0.62	7.29-7.75

WQ Field Data

Mclver SS

Mclver SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
01-Oct-25	0.16	15.8	0.85	7.62
07-Oct-25	0.12	14.0	0.60	7.57
14-Oct-25	0.15	13.4	0.60	7.45
21-Oct-25	0.13	11.1	0.64	7.45
28-Oct-25	0.24	10.9	0.7	7.44
# of Samples	5	5	5	5
Average	0.16	13.0	0.68	7.51
Range	0.12-0.24	10.9-15.8	0.60-0.85	7.44-7.62

Bulk Water Station (Stn)

Bulk Water Station Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
01-Oct-25	0.12	16.6	0.64	7.68
07-Oct-25	0.23	14.6	0.42	7.66
14-Oct-25	0.19	14.0	0.48	7.46
21-Oct-25	0.12	11.2	0.40	7.56
28-Oct-25	0.32	13.3	0.31	7.62
# of Samples	5	5	5	5
Average	0.20	13.9	0.45	7.60
Range	0.12-0.32	11.2-16.6	0.31-0.64	7.46-7.68