

CITY OF WEST KELOWNA

Monthly Water Quality Report



Powers Creek Water Service Area
September 2026

WATER SUPPLY AND TREATMENT





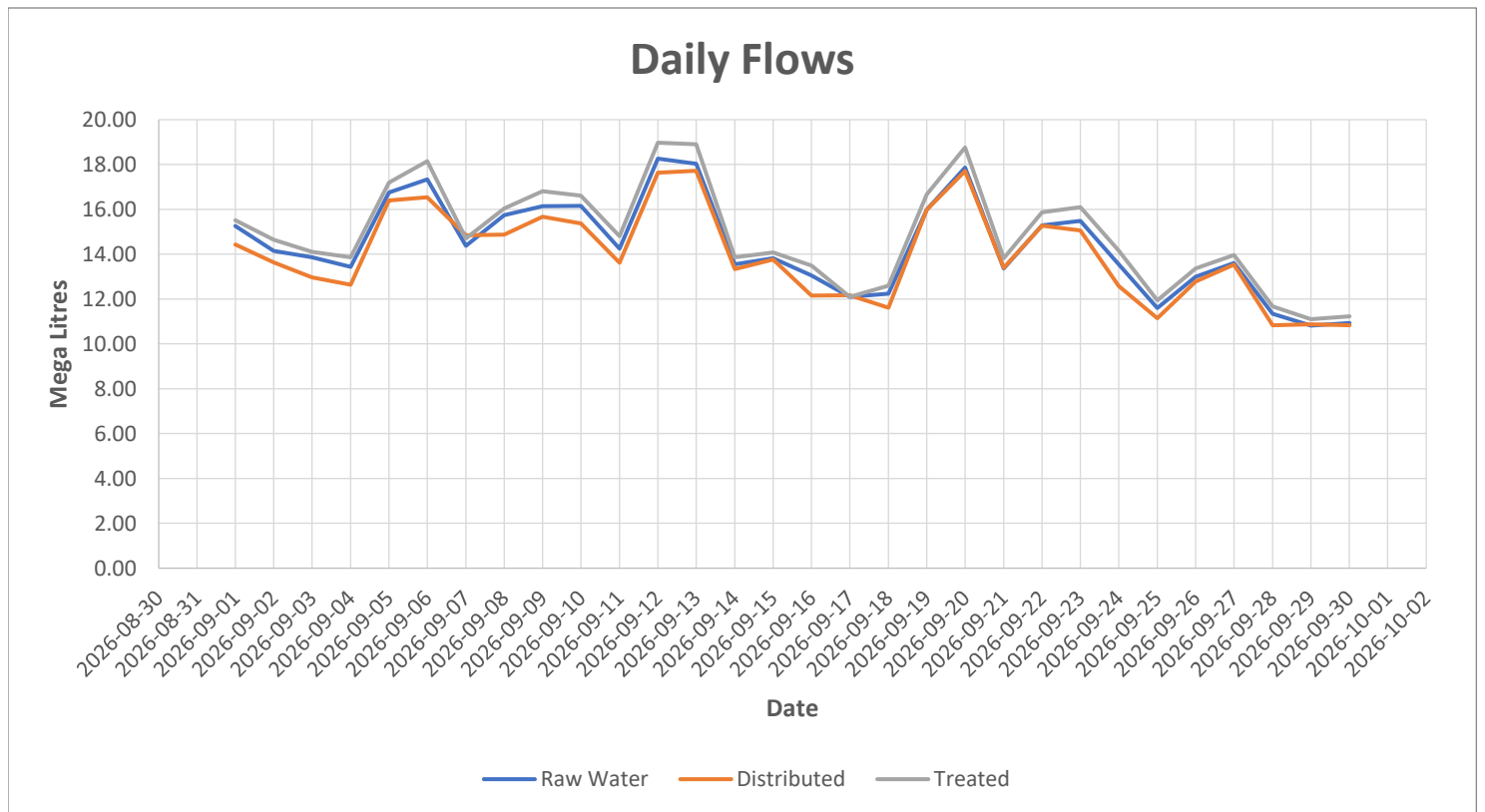
Powers Creek Water Treatment Plant Monthly Water Quality Summary

2026-10-09

Sep-26

Flow Demand:

	Total for Month
Raw Processed Water:	431.26 ML
Treated Water :	445.02 ML
Distributed Water :	419.32 ML
Backwash Water :	18.85 ML



Notes:

Raw Water Specifications:

Date	Raw Turbidity (NTU)			Raw pH		
	Min	Max	Average	Min	Max	Average
2026-09-01	0.73	8.99	1.20	7.54	7.90	7.73
2026-09-02	1.01	2.16	1.33	7.58	7.92	7.73
2026-09-03	0.82	1.50	1.13	7.37	7.82	7.59
2026-09-04	0.84	9.70	1.20	7.37	7.80	7.56
2026-09-05	0.78	3.92	1.44	7.54	7.87	7.68
2026-09-06	0.65	7.19	1.45	7.61	7.99	7.78
2026-09-07	0.68	1.92	1.34	7.66	7.96	7.79
2026-09-08	0.69	7.94	1.03	7.66	7.87	7.78
2026-09-09	0.67	1.64	0.98	7.59	7.96	7.74
2026-09-10	0.82	1.10	0.96	7.53	7.83	7.66
2026-09-11	0.71	4.88	1.00	7.55	7.91	7.70
2026-09-12	0.92	2.18	1.54	7.59	7.89	7.72
2026-09-13	0.91	3.83	1.43	7.55	7.74	7.66
2026-09-14	0.27	8.58	1.30	7.37	7.69	7.56
2026-09-15	0.87	2.16	1.29	7.56	7.80	7.67
2026-09-16	0.83	8.56	1.22	7.40	7.79	7.57
2026-09-17	0.48	3.34	1.02	7.53	7.82	7.66
2026-09-18	0.35	1.80	1.11	7.56	7.80	7.68
2026-09-19	1.23	4.47	1.70	7.61	7.94	7.74
2026-09-20	1.45	2.34	1.87	7.61	7.94	7.74
2026-09-21	0.38	9.12	0.89	7.48	7.90	7.70
2026-09-22	0.41	1.09	0.63	7.60	7.92	7.72
2026-09-23	0.37	3.29	0.53	7.46	7.77	7.63
2026-09-24	0.34	1.23	0.61	7.51	7.77	7.64
2026-09-25	0.35	1.03	0.69	7.59	7.73	7.66
2026-09-26	0.57	4.21	0.87	7.58	7.71	7.64
2026-09-27	0.65	1.30	0.85	7.52	7.73	7.61
2026-09-28	0.39	2.32	0.63	7.60	7.75	7.67
2026-09-29	0.36	0.96	0.58	7.61	7.75	7.66
2026-09-30	0.34	0.90	0.59	7.54	7.72	7.62

Notes:

Raw Water Specifications (Continued):

Date	Raw Temp (°C)			Raw DOC (mg/L)		
	Min	Max	Average	Min	Max	Average
2026-09-01	13.04	14.93	13.95	9.44	9.96	9.67
2026-09-02	14.11	15.46	14.75	9.79	10.32	10.16
2026-09-03	13.46	15.53	14.35	10.04	10.43	10.31
2026-09-04	11.56	13.40	12.25	10.11	10.36	10.24
2026-09-05	11.51	13.11	12.33	10.00	10.54	10.32
2026-09-06	11.65	13.53	12.62	9.98	10.31	10.20
2026-09-07	12.24	13.43	12.84	9.89	10.22	10.09
2026-09-08	12.19	13.66	13.00	9.74	9.96	9.88
2026-09-09	12.69	14.62	13.46	9.57	9.80	9.71
2026-09-10	13.38	16.19	13.79	1.85	9.85	9.68
2026-09-11	11.75	13.81	12.65	9.65	9.94	9.81
2026-09-12	11.11	13.05	12.09	9.60	9.83	9.72
2026-09-13	11.80	20.18	14.80	9.43	9.77	9.65
2026-09-14	10.92	20.33	14.13	???	72.11	8.61
2026-09-15	11.89	19.60	12.80	8.67	9.21	8.93
2026-09-16	10.71	19.66	11.44	8.98	9.29	9.19
2026-09-17	9.91	11.54	10.70	8.87	9.04	8.95
2026-09-18	10.30	11.82	11.20	8.64	8.94	8.71
2026-09-19	10.78	12.40	11.63	8.52	8.77	8.65
2026-09-20	11.28	13.01	12.17	8.48	8.74	8.59
2026-09-21	11.61	13.01	12.41	8.43	8.71	8.51
2026-09-22	11.90	13.20	12.56	8.40	8.63	8.55
2026-09-23	10.97	12.62	11.66	8.52	8.69	8.57
2026-09-24	10.43	11.57	10.91	8.42	8.59	8.51
2026-09-25	10.77	11.37	11.10	8.40	8.72	8.57
2026-09-26	9.96	11.28	10.52	8.80	9.25	9.09
2026-09-27	8.37	9.94	9.05	8.57	8.99	8.79
2026-09-28	8.07	9.50	8.71	8.44	8.60	8.53
2026-09-29	9.51	10.10	9.78	8.23	8.55	8.39
2026-09-30	8.72	10.04	9.35	8.24	8.51	8.41

Notes:

Sept 14th- OPTview Maintenance

Raw Water Specifications (Continued):

Date	Raw Cond (µS/cm)			Streaming Current		
	Min	Max	Average	Min	Max	Average
2026-09-01	73.75	87.10	86.29	-32.75	72.03	6.85
2026-09-02	60.56	88.25	87.10	-47.82	10.35	-27.09
2026-09-03	66.38	87.71	86.39	-49.75	-13.18	-38.46
2026-09-04	84.36	86.90	86.23	-49.01	-19.90	-36.74
2026-09-05	84.67	87.25	85.58	-46.92	13.74	-30.03
2026-09-06	84.54	85.72	85.06	-47.82	-8.03	-34.62
2026-09-07	84.29	85.80	85.10	-53.93	-25.86	-40.27
2026-09-08	85.12	86.01	85.54	-51.83	-19.93	-38.50
2026-09-09	51.82	86.66	85.99	-47.80	-29.85	-40.03
2026-09-10	-0.22	88.29	85.91	???	39.13	-4.31
2026-09-11	63.12	86.95	86.18	-58.74	45.38	-6.76
2026-09-12	84.70	85.86	85.19	-60.91	116.43	27.81
2026-09-13	82.99	84.83	83.93	-52.59	68.69	25.81
2026-09-14	-0.21	84.82	83.05	-62.77	-11.25	-39.43
2026-09-15	82.57	84.90	83.74	-65.97	32.55	-30.20
2026-09-16	82.44	83.48	82.92	???	54.48	-12.88
2026-09-17	83.83	84.53	84.19	-0.95	66.95	18.32
2026-09-18	77.18	85.20	84.15	1.17	68.72	20.25
2026-09-19	81.47	83.66	82.47	20.60	97.42	56.60
2026-09-20	80.99	81.95	81.57	20.70	83.86	65.74
2026-09-21	-0.38	83.52	82.03	-15.14	73.96	30.92
2026-09-22	82.70	84.26	83.29	-1.76	49.53	10.45
2026-09-23	33.18	84.25	82.65	-6.00	23.49	3.42
2026-09-24	81.54	88.53	82.34	3.27	31.31	13.24
2026-09-25	70.10	104.78	82.03	7.47	30.64	19.09
2026-09-26	79.29	81.07	80.00	11.62	79.97	33.53
2026-09-27	79.24	79.85	79.62	13.88	84.64	45.69
2026-09-28	79.60	80.95	80.08	22.37	39.15	30.60
2026-09-29	57.39	81.94	81.57	6.20	36.10	24.05
2026-09-30	80.89	81.96	81.25	6.18	47.38	25.01

Notes:

Sept 10th- Raw water lines flushed and changed

Raw Water Specifications (Continued):

Date	Coagulated pH			Coagulated Temp (°C)		
	Min	Max	Average	Min	Max	Average
2026-09-01	6.84	6.95	6.89	12.92	14.61	13.90
2026-09-02	6.85	7.01	6.93	13.88	14.99	14.45
2026-09-03	6.90	6.98	6.93	13.64	14.91	14.05
2026-09-04	6.94	7.00	6.97	11.63	13.02	12.21
2026-09-05	6.93	7.00	6.96	11.58	13.02	12.30
2026-09-06	6.93	7.01	6.97	11.51	13.19	12.39
2026-09-07	6.99	7.01	7.00	12.09	13.14	12.64
2026-09-08	6.95	7.01	6.98	11.96	13.16	12.66
2026-09-09	6.98	7.04	7.00	12.38	13.94	13.10
2026-09-10	6.77	6.91	6.86	13.51	14.30	13.98
2026-09-11	6.84	7.03	6.92	11.97	14.16	12.85
2026-09-12	6.80	6.86	6.84	11.18	12.60	11.96
2026-09-13	6.77	7.00	6.84	11.72	12.44	12.04
2026-09-14	6.99	7.04	7.01	11.42	12.46	12.01
2026-09-15	6.89	7.06	6.98	12.23	12.79	12.48
2026-09-16	6.80	7.05	6.97	10.92	12.67	11.63
2026-09-17	6.87	7.04	7.00	10.09	11.50	10.96
2026-09-18	6.88	7.04	6.99	10.53	12.05	11.39
2026-09-19	6.79	6.99	6.89	11.60	12.86	12.28
2026-09-20	6.83	6.87	6.86	12.14	13.71	12.93
2026-09-21	6.87	7.01	6.95	11.93	13.43	12.77
2026-09-22	6.98	7.05	7.03	11.97	13.14	12.77
2026-09-23	7.05	7.12	7.08	11.64	12.65	12.19
2026-09-24	6.97	7.09	7.04	10.27	11.93	11.10
2026-09-25	6.98	7.02	7.01	10.69	11.19	10.92
2026-09-26	6.79	7.02	6.95	9.94	10.90	10.39
2026-09-27	6.83	7.04	6.96	8.33	9.36	8.97
2026-09-28	6.94	7.02	6.97	7.86	9.25	8.58
2026-09-29	6.97	7.04	7.00	9.40	9.91	9.62
2026-09-30	6.97	7.03	7.00	8.71	9.82	9.32

Notes:

Train 1 Filter Turbidity (NTU):

Date	Filter 1			Filter 2			Filter 3		
	Min	Max	Average	Min	Max	Average	Min	Max	Average
2026-09-01	0.02	0.04	0.02	0.00	0.11	0.03	0.01	0.04	0.01
2026-09-02	0.02	0.08	0.03	0.02	0.04	0.03	0.01	0.02	0.01
2026-09-03	0.02	0.03	0.03	0.02	0.10	0.03	0.02	0.03	0.02
2026-09-04	0.02	0.08	0.03	0.02	0.04	0.03	0.02	0.09	0.02
2026-09-05	0.02	0.04	0.02	0.02	0.09	0.03	0.01	0.02	0.01
2026-09-06	0.02	0.07	0.03	0.02	0.03	0.03	0.01	0.05	0.01
2026-09-07	0.02	0.03	0.02	0.02	0.08	0.03	0.01	0.02	0.01
2026-09-08	0.02	0.08	0.02	0.02	0.04	0.02	0.01	0.05	0.01
2026-09-09	0.01	0.03	0.02	0.01	0.06	0.03	0.01	0.01	0.01
2026-09-10	0.02	0.03	0.02	0.01	0.09	0.03	0.01	0.04	0.01
2026-09-11	0.02	0.08	0.03	0.02	0.03	0.02	0.01	0.01	0.01
2026-09-12	0.02	0.04	0.02	0.01	0.08	0.03	0.01	0.04	0.01
2026-09-13	0.02	0.06	0.03	0.01	0.03	0.02	0.01	0.01	0.01
2026-09-14	0.02	0.03	0.02	0.01	0.07	0.02	0.01	0.02	0.01
2026-09-15	0.02	0.07	0.03	0.02	0.04	0.03	0.01	0.06	0.02
2026-09-16	0.02	0.04	0.03	0.02	0.09	0.03	0.01	0.02	0.01
2026-09-17	0.02	0.09	0.03	0.02	0.03	0.02	0.01	0.04	0.01
2026-09-18	0.02	0.08	0.03	0.02	0.03	0.02	0.01	0.01	0.01
2026-09-19	0.02	0.04	0.03	0.02	0.09	0.03	0.01	0.04	0.01
2026-09-20	0.02	0.09	0.03	0.02	0.04	0.03	0.01	0.01	0.01
2026-09-21	0.01	0.04	0.02	0.01	0.07	0.02	0.01	0.01	0.01
2026-09-22	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.07	0.01
2026-09-23	0.01	0.06	0.02	0.01	0.04	0.02	0.01	0.01	0.01
2026-09-24	0.01	0.02	0.02	0.02	0.09	0.03	0.01	0.01	0.01
2026-09-25	0.01	0.02	0.02	0.02	0.03	0.02	0.01	0.06	0.01
2026-09-26	0.02	0.03	0.02	0.02	0.07	0.03	0.01	0.01	0.01
2026-09-27	0.02	0.03	0.02	0.02	0.02	0.02	0.01	0.04	0.01
2026-09-28	0.01	0.06	0.02	0.02	0.03	0.02	0.01	0.01	0.01
2026-09-29	0.01	0.02	0.01	0.02	0.10	0.03	0.01	0.01	0.01
2026-09-30	0.01	0.04	0.02	0.02	0.02	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
2026-09-01	0.02	0.04	0.02	0.02	0.05	0.02	0.01	0.01	0.01
2026-09-02	0.02	0.08	0.04	0.01	0.02	0.02	0.01	0.02	0.01
2026-09-03	0.02	0.04	0.03	0.02	0.06	0.02	0.01	0.07	0.02
2026-09-04	0.02	0.04	0.03	0.02	0.02	0.02	0.01	0.01	0.01
2026-09-05	0.03	0.12	0.03	0.02	0.07	0.02	0.01	0.05	0.02
2026-09-06	0.03	0.04	0.03	0.01	0.02	0.01	0.01	0.02	0.01
2026-09-07	0.02	0.04	0.03	0.01	0.07	0.02	0.01	0.05	0.01
2026-09-08	0.02	0.12	0.03	0.01	0.01	0.01	0.01	0.01	0.01
2026-09-09	0.02	0.03	0.03	0.02	0.07	0.02	0.01	0.04	0.01
2026-09-10	0.02	0.08	0.03	0.01	0.01	0.01	0.01	0.01	0.01
2026-09-11	0.02	0.03	0.02	0.02	0.05	0.02	0.01	0.01	0.01
2026-09-12	0.02	0.07	0.03	0.01	0.01	0.01	0.01	0.06	0.01
2026-09-13	0.02	0.04	0.02	0.01	0.04	0.01	0.01	0.02	0.01
2026-09-14	0.02	0.06	0.03	0.01	0.01	0.01	0.01	0.02	0.01
2026-09-15	0.02	0.04	0.03	0.01	0.06	0.02	0.01	0.01	0.01
2026-09-16	0.02	0.03	0.03	0.01	0.01	0.01	0.01	0.06	0.01
2026-09-17	0.02	0.09	0.03	0.01	0.01	0.01	0.01	0.01	0.01
2026-09-18	0.02	0.04	0.02	0.01	0.07	0.02	0.01	0.03	0.01
2026-09-19	0.02	0.07	0.02	0.01	0.01	0.01	0.01	0.01	0.01
2026-09-20	0.01	0.03	0.02	0.01	0.04	0.01	0.01	0.01	0.01
2026-09-21	0.02	0.04	0.03	0.01	0.01	0.01	0.01	0.11	0.02
2026-09-22	0.03	0.09	0.03	0.02	0.04	0.03	0.01	0.01	0.01
2026-09-23	0.02	0.03	0.03	0.03	0.07	0.03	0.01	0.02	0.01
2026-09-24	0.02	0.03	0.03	0.01	0.01	0.02	0.01	0.07	0.02
2026-09-25	0.02	0.11	0.03	0.02	0.02	0.02	0.01	0.01	0.01
2026-09-26	0.02	0.03	0.03	0.02	0.08	0.02	0.01	0.06	0.01
2026-09-27	0.02	0.08	0.03	0.02	0.03	0.02	0.01	0.01	0.01
2026-09-28	0.02	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.01
2026-09-29	0.02	0.03	0.03	0.01	0.01	0.01	0.01	0.07	0.02
2026-09-30	0.02	0.09	0.03	0.01	0.07	0.02	0.01	0.01	0.01

Notes:

UV Treatment:

	Average Flow	Avg Validated Dose	UV Availability
Date	(L/s)	(mj/cm2)	(%)
2026-09-01	135.39	38.10	99.93
2026-09-02	191.84	28.07	99.93
2026-09-03	178.82	27.53	99.93
2026-09-04	132.99	37.17	99.93
2026-09-05	134.02	36.57	99.93
2026-09-06	135.11	36.33	99.48
2026-09-07	135.61	38.00	60.25
2026-09-08	229.79	23.70	99.93
2026-09-09	235.68	23.80	100.14
2026-09-10	233.57	24.00	99.93
2026-09-11	216.13	25.41	99.93
2026-09-12	141.83	37.17	99.93
2026-09-13	189.24	29.60	99.93
2026-09-14	136.66	39.44	99.93
2026-09-15	146.58	36.33	99.93
2026-09-16	138.35	31.79	99.93
2026-09-17	137.98	38.65	99.93
2026-09-18	193.78	30.89	99.93
2026-09-19	179.05	35.11	99.93
2026-09-20	151.06	43.30	99.93
2026-09-21	225.54	31.10	99.91
2026-09-22	227.56	30.13	98.21
2026-09-23	219.49	23.89	99.93
2026-09-24	225.58	23.00	99.93
2026-09-25	144.05	33.40	99.93
2026-09-26	145.68	33.71	99.93
2026-09-27	125.30	38.20	99.93
2026-09-28	127.77	37.75	99.93
2026-09-29	137.31	99.93	99.93
2026-09-30	109.21	99.93	99.93

Notes:

UV Transmittance %:

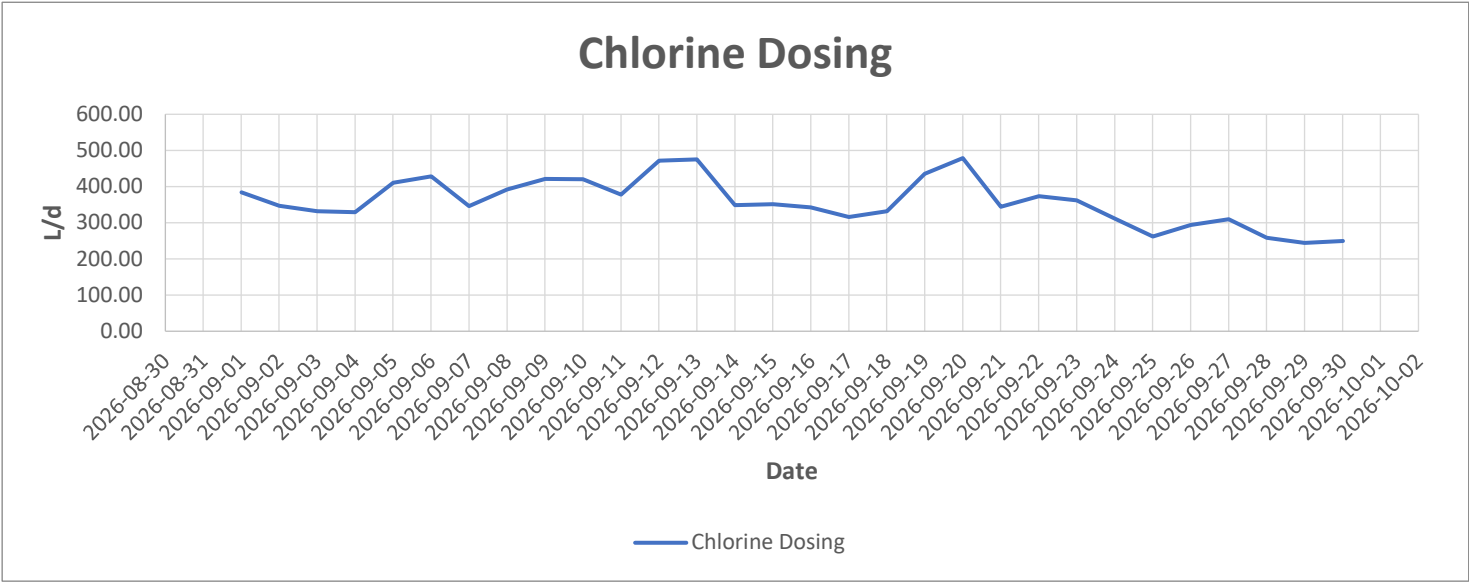
Date	Min	Max	Average
2026-09-01	89.70	91.30	90.06
2026-09-02	88.70	90.60	89.42
2026-09-03	88.70	89.90	88.99
2026-09-04	89.00	90.50	89.32
2026-09-05	88.90	90.40	89.42
2026-09-06	89.00	90.80	89.53
2026-09-07	89.30	90.20	89.50
2026-09-08	89.40	90.60	89.81
2026-09-09	89.60	91.20	90.09
2026-09-10	89.50	91.10	90.08
2026-09-11	89.50	91.10	90.08
2026-09-12	89.70	91.40	90.35
2026-09-13	90.20	91.50	90.48
2026-09-14	90.00	91.70	90.30
2026-09-15	66.00	90.00	88.03
2026-09-16	74.10	99.30	88.01
2026-09-17	89.50	99.10	91.20
2026-09-18	91.60	92.50	92.19
2026-09-19	92.50	93.30	93.07
2026-09-20	93.10	93.60	93.41
2026-09-21	93.00	94.60	93.44
2026-09-22	87.00	93.70	90.16
2026-09-23	87.00	87.00	87.00
2026-09-24	87.00	87.00	87.00
2026-09-25	87.00	87.00	87.00
2026-09-26	87.00	87.00	87.00
2026-09-27	87.00	87.00	87.00
2026-09-28	87.00	87.00	87.00
2026-09-29	87.00	87.00	87.00
2026-09-30	87.00	87.00	87.00

Notes:

Chemical Demand:

Chlorine Used:

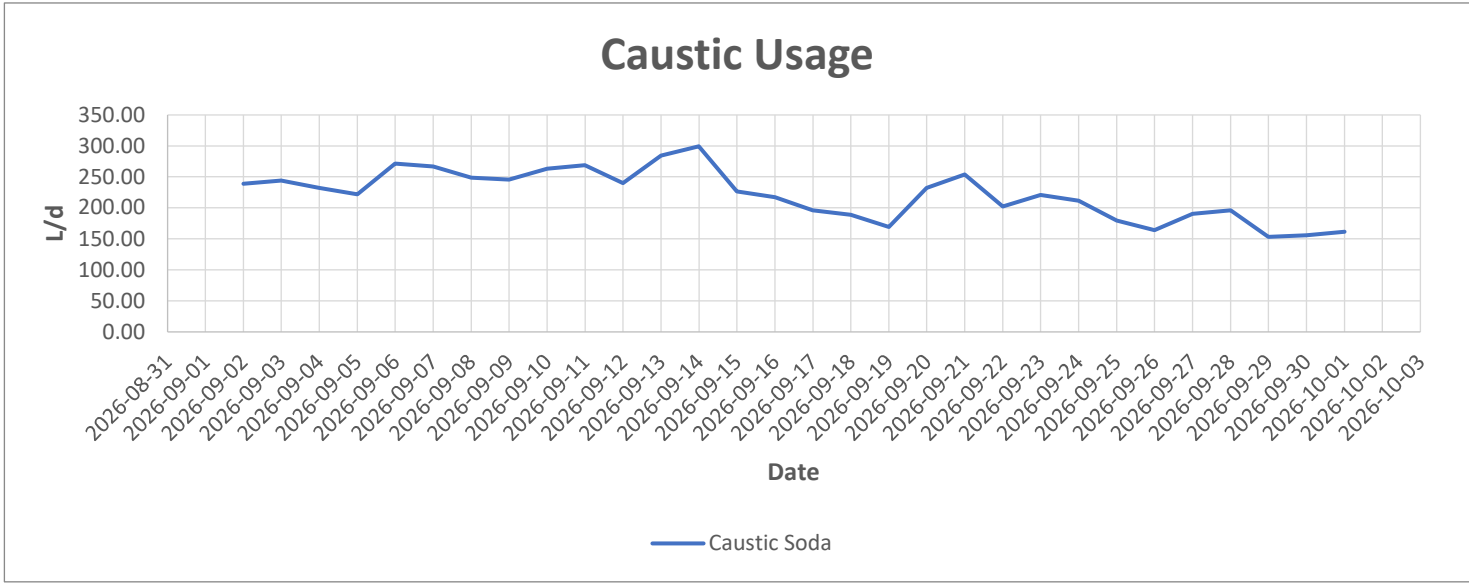
Total for Month
10740.08 L



Notes:

Caustic Soda Used:

Total for Month
6642.23 Litres

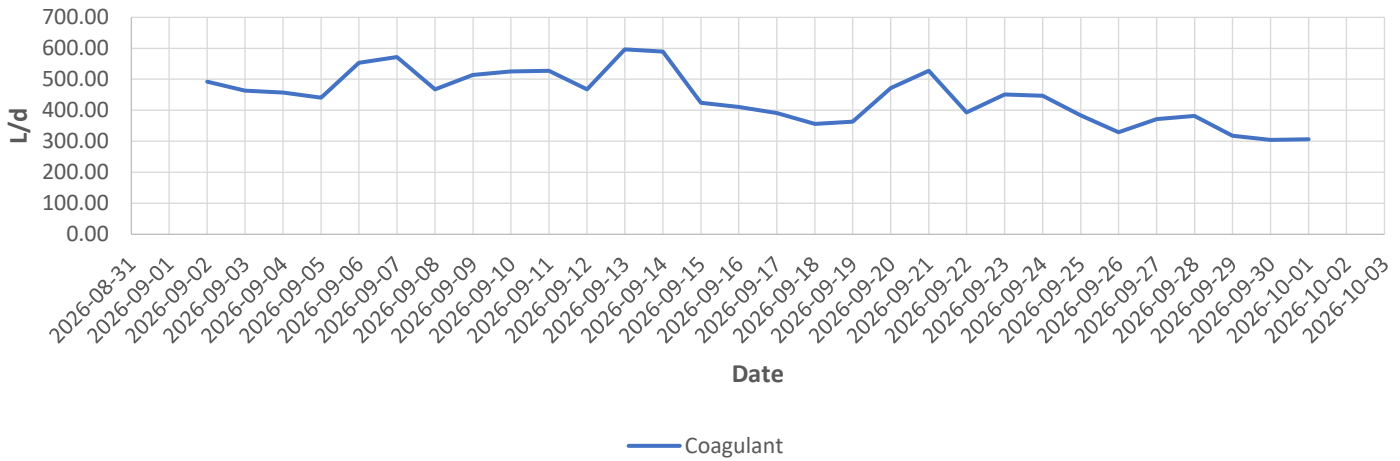


Notes:

Coagulant Used:

Total for Month
13293.89 Litres

Coagulant Usage



Notes:

DAF & Residual DAF Neat Polymer

Total for Month
353.51 L

Centrifuge Neat Polymer

Total for Month
615.51 L

Chlorine Dose

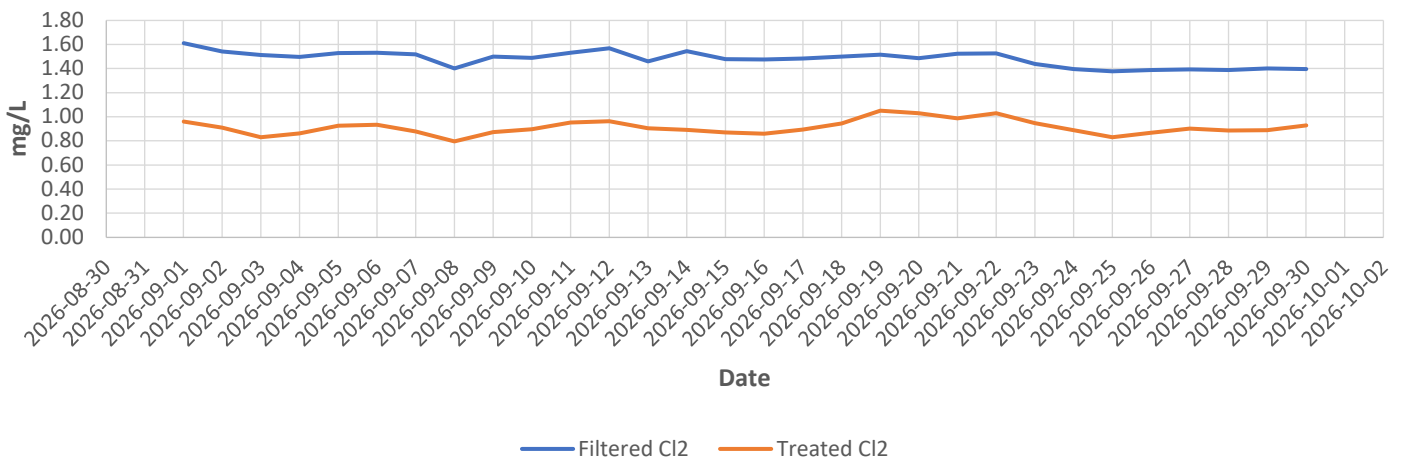
Filtered Water Residual Cl2 Average (mg/L):

1.48 mg/L

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

0.91 mg/L

Average Residual CL2 Content

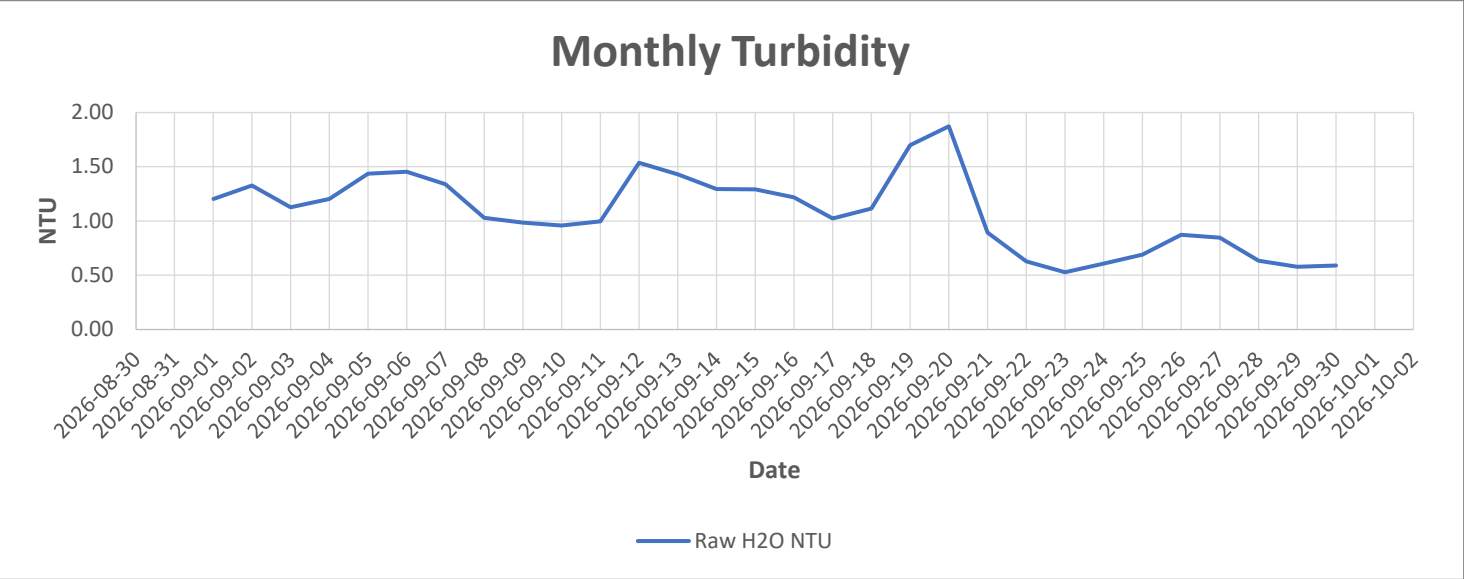


Water Quality Analytics:

Turbidity

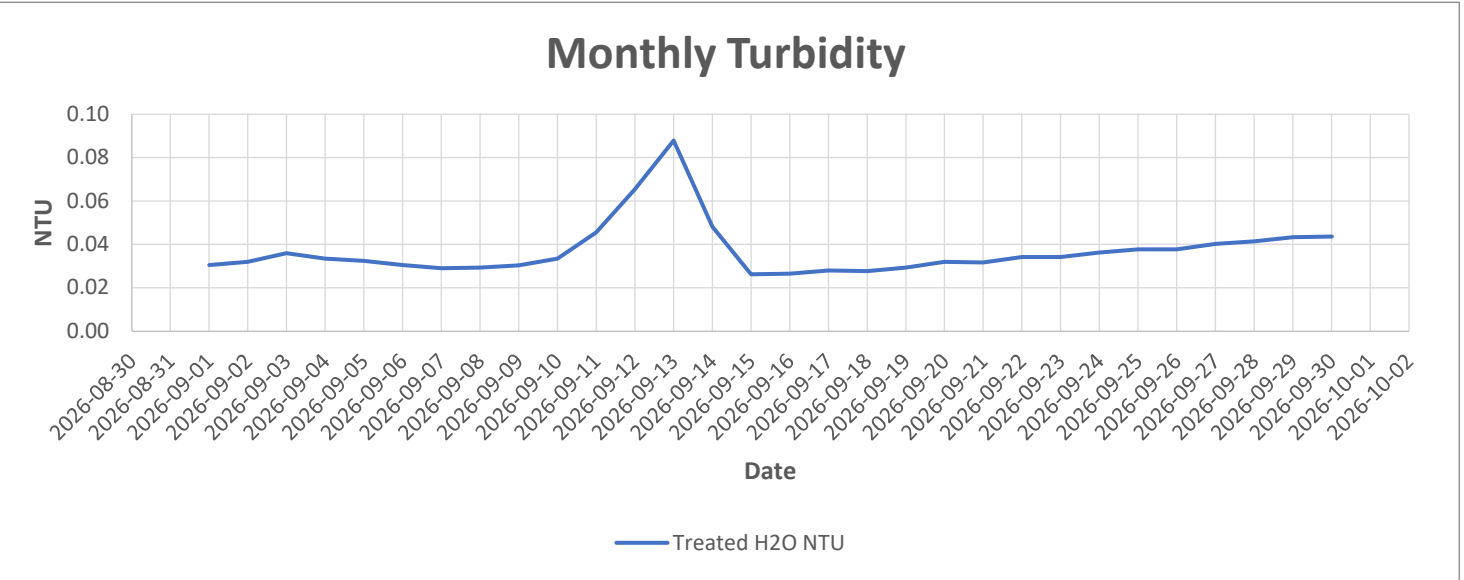
Raw Water Monthly Average:

1.08 NTU



Treated Water Monthly Average:

0.04 NTU



Notes:

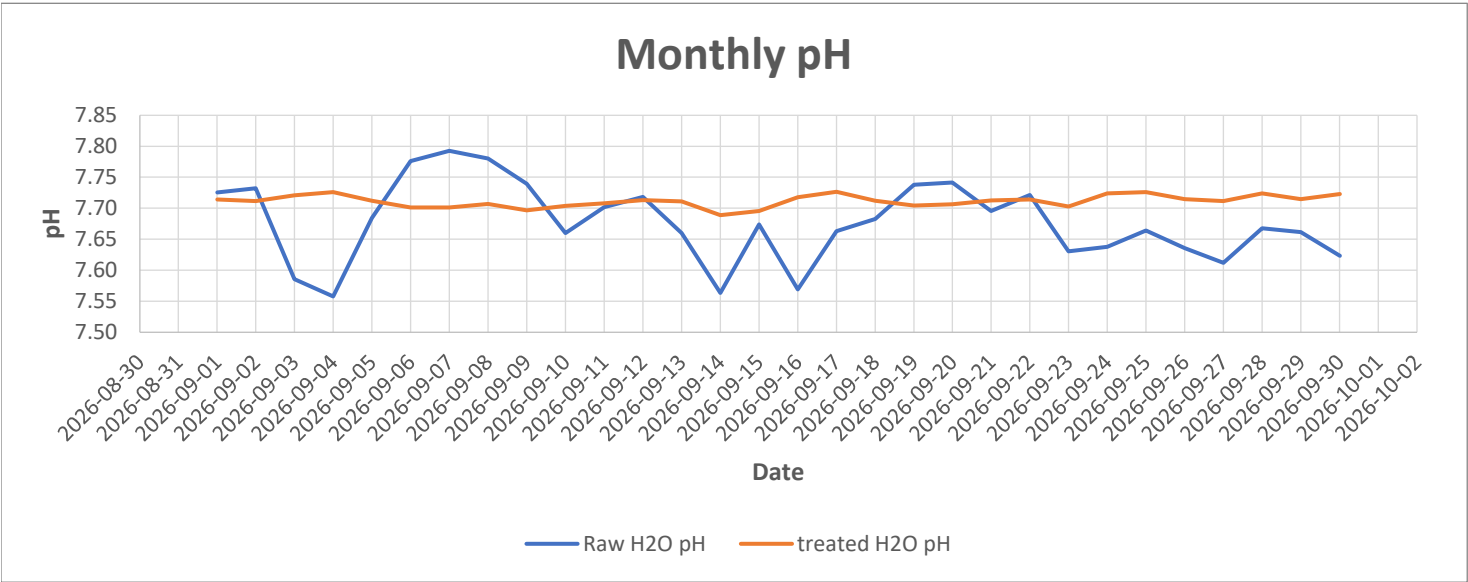
pH

Raw Water Monthly Average:

7.68 pH

Treated Water Monthly Average:

7.71 pH



Notes:

Powers Creek WTP Operational Highlights:

1st- 1000hr Service on DAfs 3&5, Zero Streaming Current

2nd- 1000hr service on Daf 1, Site meeting with Carver Contracting- bypass project

3rd- Pac delivery

4th- Swapped out HACH Ntu analyzer vial on finished water

9th- Caustic Delivery, Change out reagents at EOL (monthly), service air valves on intake road

10th- Clean and Rinse DAF poly make down system, CHange Raw water tubing

11th- Annual Generator Maintenance

14th- Swap DAF poly tote to New Cleartech polymer, Treated water pH, cl2 lines, NTU vial & rotameter clean, Optiview maintenance.

16th- Flush and zero streaming current, Optiview maintenance continued

21st- Hypo delivery, Cell booster installation begins- Omega

22nd- Optiview manual setpoint of

Power Creek Watershed Operational Highlights:

Tadpole

-Sep 2nd Level 2454.6ML Opened to 11.4ML/d

-Sep 15th Level 2316.5ML Opened to 16.4ML/d

-Sep 21st Completed Piezometers and Opened North Headgate for a test to Bear Creek 11.4ML/d. Closed North Headgate on Sep 22nd.

Dobbin

-Sep 2nd Level 368.8ML Opened to 10.9ML/d

-Sep 15th Level 310.8ML Opened yo 21.9ML/d

Horseshoe

-Sep 2nd Level 703.1ML Opened to 10.4ML/d

-Sep 15th Level 656.2ML Opened to 10.4ML/d

Powers Creek diversion

- Sep 2nd flow to Lambly is 21.8ML/d
- Sep 28th flow to Lambly is 31.6ML/d

Paynter

- Sep 2nd Level 136.9ML Opened to 5.5ML/d
- Sep 15th Lake is empty
- Sep 22 Closed headgate for season

Lambly

- Sep 2nd Level 2135.2ML Opened to 15,3ML/d
- Sep 28th Level 2296ML Opened to 16.4ML/d

Jackpine

- Sep 2nd Level 946.1ML Opened to 5.5ML/d
- Sep 28th Level 822.7ML Opened to 5.5ML/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



Power's Creek Water Service Area – Distribution System Monitoring

September 2026

Water Quality Data Review

- Based on the Power's Creek Water Service Area distribution system grab sample data, it appears the turbidity and free-chlorine (FCR) have met the Water Quality Objectives during the month of September.
- September Bacteriological Sampling Summary:
 - 22 samples to CARO for analysis
 - 8 samples analyzed in-house at RVWTP
 - There were two positive results for Total Coliforms at Glenrosa Reservoir, please refer to the details from September 3rd below. All other bacteriological sample results were <1 CFU/100mL for Total Coliforms and <1 CFU/100mL for *E.coli*.
- September 2, 2026 – Glenrosa Reservoir high strength hypo concentration tested, changed to 2.2% on PLC.
- September 2, 2026 – Dixie Reservoir high strength hypo concentration tested, changed to 5.3% on PLC.
- September 3, 2026 – Glenrosa Reservoir Cell #1 bacteriological results came back with a Total Coliforms count of 27 CFU/100mL. All reservoir cells, the outlet at the reservoir going to distribution and a sample tap within the distribution system were resampled for WQ parameters and bacteriological testing. Interior Health was contacted immediately and with collaboration it was decided to do a large reservoir turnover at that location and resampling would be completed after the turnover occurred. Additionally the hypo chlorite dosing was doubled until the reservoir turnover was completed.

Date	Sampling Location	Turbidity (NTU)	FCR (mg/L)	Temp (°C)	Total Coliforms (CFU/100mL)	E.Coli (CFU/100mL)	pH
03-Sep-26	GLENROSA RES CELLL #1	0.28	0.04	18.5	27	<1	7.32
05-Sep-26	MCIVER SS	0.12	0.60	15.7	<1	<1	7.32
05-Sep-26	GELNROSA RES CELL #1	0.13	0.05	18.2	2	<1	7.43
05-Sep-26	GELNROSA RES CELL #2	0.12	0.04	19.1	<1	<1	7.41
05-Sep-26	GLENROSA RES BUIDLING ONLINE ANALYSER		0.99	13.6			7.62
05-Sep-26	GLENROSA PS	0.22	0.83	12.3	<1	<1	7.44
06-Sep-26	RES INLET	0.19	0.99	13.1	<1	<1	7.40
07-Sep-26	GLENROSA RES BUIDLING ONLINE ANALYSER		0.92	13.5			7.64
07-Sep-26	GLENROSA RES BUILDING	0.37	0.72				
07-Sep-26	RES INLET	0.43	1.19	12.3	<1	<1	7.44
07-Sep-26	GELNROSA RES CELL #1	0.12	0.14	15.5	<1	<1	7.26
07-Sep-26	GELNROSA RES CELL #2	0.11	0.04	17.8	<1	<1	7.34
08-Sep-26	GLENROSA RES BUILDING	0.14	0.67		<1	<1	
08-Sep-26	GLENROSA RES BUIDLING ONLINE ANALYSER		0.75	14.5			7.64
08-Sep-26	GELNROSA RES CELL #1	0.19	0.16		<1	<1	
08-Sep-26	GELNROSA RES CELL #2	0.21	0.14		<1	<1	
08-Sep-26	MCIVER SS	0.13	0.63	17.3	<1	<1	7.39
15-Sep-26	MCIVER SS	0.14	0.68	15.3	<1	<1	7.17

- Resampling occurred on September 5th, 6th 7th and 8th with three consecutive samples coming back within guidelines.
- September 11, 2026 – Dixie Reservoir high strength hypo concentration tested, changed to 3.2% on PLC.
- September 12, 2026 – Glenrosa Reservoir high strength hypo concentration tested, changed to 2.8% on PLC.
- September 28, 2026 – Dixie Reservoir online FCR analyser calibration adjustment of 0.09mg/L increase.
- September 28, 2026 – Smith Creek PS online analyser calibration adjustment of 0.43mg/L increase for FCR and 1.0 decrease for pH.
- September 29, 2026 – Glenrosa Reservoir online analyser calibration adjustment of 0.30mg/L increase for FCR and 0.36 decrease for pH.
- September 29, 2026 – Lateral One PS online analyser calibration adjustment of 0.10mg/L increase for FCR, 0.07NTU decrease for Turbidity and 0.23 decrease for pH.

Operational System Improvements/Events

- September 3, 2026 - Glenrosa Reservoir intrusion alarm, upon investigation nothing was disturbed however it was discovered that a contact for the sensor required maintenance which was fixed and alarm reactivated without further event.
- September 17, 2026 – SCADA network Node 1 failed and switched to Node 2 which caused anomalies in the trending for the online analysers. The cause of the failure is under investigation.

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.

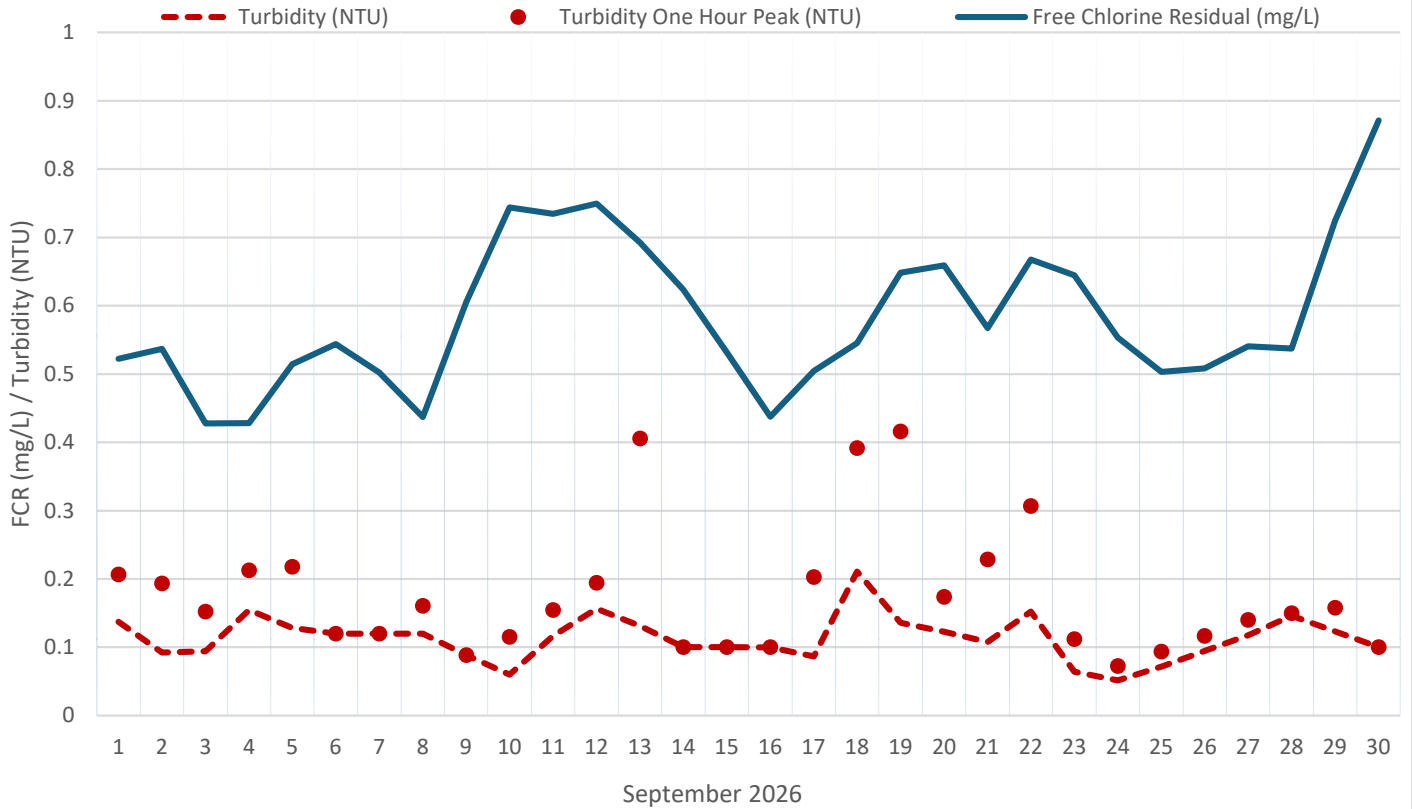
- **PS** = Pump Station
- **SS**= Sample Station
- **Res** = Reservoir
- **WQS** = Water Quality Station

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)
Sep 2026							
1	7.28	0.14	0.21	15.42	0.42	0.66	0.52
2	7.29	0.09	0.19	15.33	0.45	0.63	0.54
3	7.29	0.09	0.15	15.50	0.34	0.49	0.43
4	7.29	0.15	0.21	14.49	0.35	0.51	0.43
5	7.29	0.13	0.22	13.43	0.43	0.56	0.51
6	7.29	0.12	0.12	13.44	0.49	0.59	0.54
7	7.29	0.12	0.12	13.70	0.46	0.53	0.50
8	7.28	0.12	0.16	13.99	0.32	0.53	0.44
9	7.47	0.09	0.09	15.10	0.40	0.93	0.61
10	7.40	0.06	0.12	14.68	0.65	0.84	0.74
11	7.36	0.12	0.15	14.34	0.60	0.87	0.73
12	7.39	0.16	0.19	13.28	0.63	0.83	0.75
13	7.38	0.13	0.41	12.90	0.45	30.00	0.69
14	7.38	0.10	0.10	12.71	0.54	0.68	0.62
15	7.42	0.10	0.10	13.96	0.38	0.69	0.53
16	7.40	0.10	0.10	13.75	0.37	0.54	0.44
17	7.37	0.09	0.20	13.63	0.42	0.57	0.50
18	7.34	0.21	0.39	14.14	0.51	0.60	0.55
19	7.30	0.14	0.42	14.35	0.54	0.78	0.65
20	7.33	0.12	0.17	14.79	0.59	0.78	0.66
21	7.25	0.11	0.23	15.75	0.48	0.63	0.57
22	7.25	0.15	0.31	14.57	0.53	0.81	0.67
23	7.30	0.06	0.11	13.24	0.49	0.72	0.64
24	7.30	0.05	0.07	12.62	0.48	0.64	0.55
25	7.29	0.07	0.09	12.21	0.44	0.55	0.50
26	7.27	0.09	0.12	11.74	0.44	0.55	0.51
27	7.28	0.12	0.14	10.75	0.47	0.59	0.54
28	7.28	0.15	0.15	10.32	0.48	0.60	0.54
29	7.36	0.12	0.16	12.33	0.48	2.41	0.72
30	7.02	0.10	0.10	11.00	0.76	0.96	0.87
Average	7.31	0.11		13.58	0.48	1.70	0.58
Min	7.02	0.05		10.32	0.32	0.49	0.43
Max	7.47	0.21	0.42	15.75	0.76	30.00	0.87

Lateral One Online Data



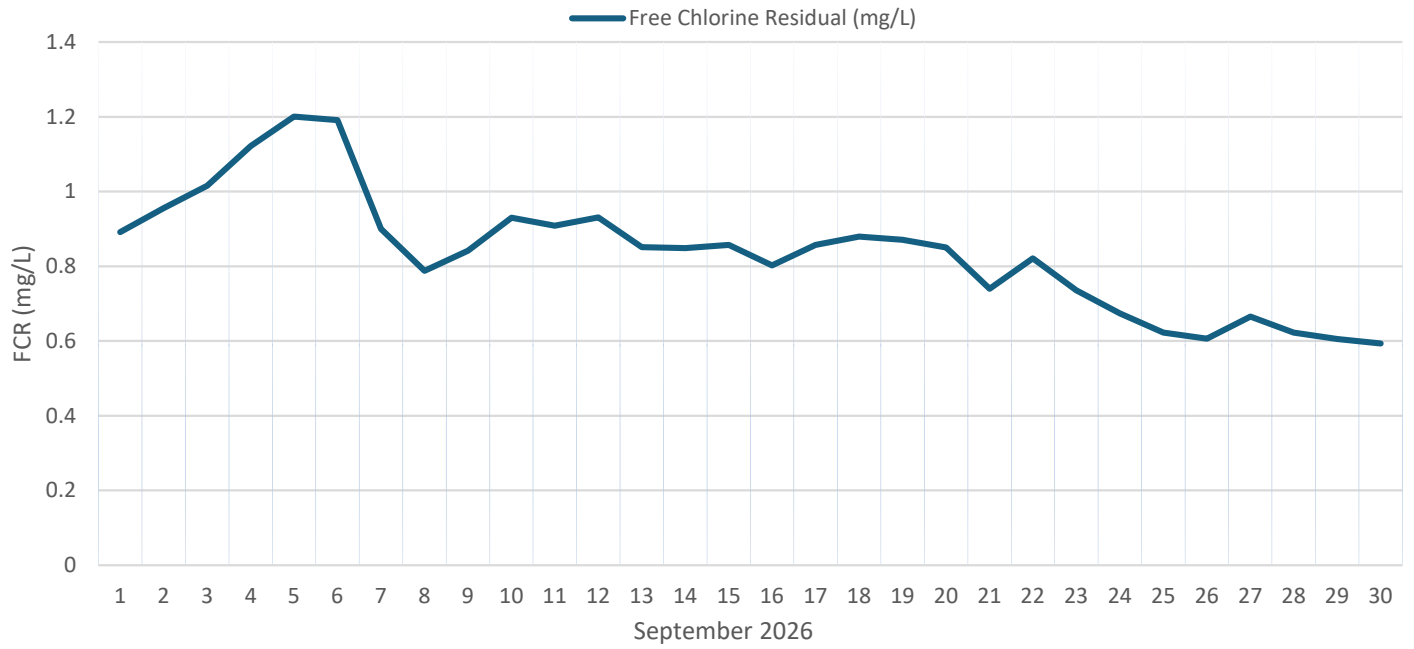
Lateral One PS Water Quality

Date	Turbidity		Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
01-Sep-26	0.14	0.1	14.5	0.94	0.61	7.51
08-Sep-26	0.17	0.11	15.0	0.59	0.43	7.29
15-Sep-26	0.10	0.1	14.7	0.68	0.54	7.29
22-Sep-26	0.15	0.13	16.6	0.89	0.74	7.48
29-Sep-26	0.24	0.1	9.2	0.81	0.52	7.45
# of Samples	5	5	5	5	5	5
Average	0.16	0.11	14	0.78	0.57	7.4
Range	0.10-0.24	0.10-0.13	9.2-16.6	0.59-0.94	0.43-0.74	7.29-7.51

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)
Sep 2026							
1	2.92	4.98	7.64	14.89	0.73	1.52	0.89
2	2.85	4.33	7.64	14.99	0.82	1.99	0.96
3	2.65	4.34	7.66	15.14	0.77	1.94	1.02
4	2.58	4.33	7.67	14.78	0.76	1.97	1.12
5	3.23	4.33	7.67	14.14	0.88	1.89	1.20
6	2.53	4.32	7.67	14.08	0.87	2.64	1.19
7	3.48	8.38	7.64	14.04	0.62	1.45	0.90
8	2.91	8.33	7.63	14.08	0.53	4.54	0.79
9	3.00	5.05	7.63	13.89	0.63	1.21	0.84
10	3.24	4.99	7.63	14.12	0.77	1.24	0.93
11	1.80	5.01	7.64	14.19	0.71	1.40	0.91
12	3.85	5.00	7.63	13.52	0.69	1.37	0.93
13	3.48	5.01	7.64	13.17	0.69	1.35	0.85
14	2.38	5.03	7.64	12.90	0.70	1.39	0.85
15	3.53	4.99	7.64	12.77	0.67	2.03	0.86
16	2.20	5.01	7.64	12.73	0.68	1.30	0.80
17	3.01	4.38	7.63	12.34	0.61	1.24	0.86
18	2.80	4.38	7.63	12.17	0.70	0.99	0.88
19	3.21	4.34	7.62	12.26	0.68	1.09	0.87
20	3.42	4.32	7.62	12.45	0.62	1.11	0.85
21	2.33	4.34	7.61	12.68	0.51	1.03	0.74
22	3.42	4.97	7.61	12.91	0.50	1.13	0.82
23	2.82	4.96	7.61	12.87	0.52	1.04	0.74
24	2.63	4.97	7.62	12.61	0.50	0.95	0.67
25	2.44	4.97	7.62	12.37	0.45	0.89	0.62
26	2.74	4.99	7.62	12.20	0.43	0.92	0.61
27	3.09	4.98	7.62	11.66	0.43	0.92	0.67
28	2.44	4.99	7.61	11.22	0.45	0.91	0.62
29	2.61	4.97	7.53	10.79	0.42	0.90	0.61
30	2.63	4.37	7.47	10.63	0.41	0.80	0.59
Total	83						
Average	2.87	4.98	7.62	13.09	0.63	1.44	0.84
Min	1.80	4.32	7.47	10.63	0.41	0.80	0.59
Max	3.85	8.38	7.67	15.14	0.88	4.54	1.20

Glenrosa Reservoir Online Data



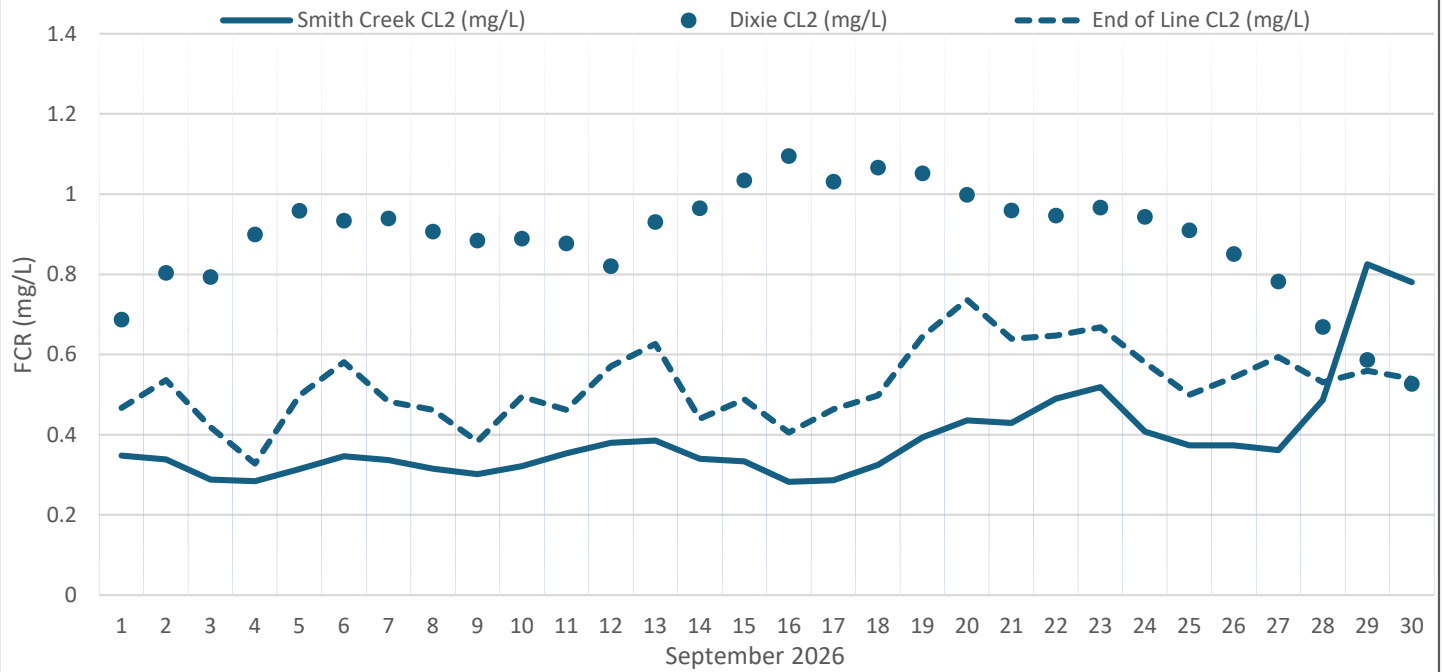
Smith Creek PS, Dixie Reservoir & End-of-Line WQS

Date	Smith Creek Reservoir FCR		
	Min (mg/L)	Max (mg/L)	Avg (mg/L)
Sep 2026			
1	0.15	0.73	0.35
2	0.12	0.73	0.34
3	0.15	0.61	0.29
4	0.12	0.92	0.28
5	0.15	0.68	0.31
6	0.18	0.70	0.35
7	0.18	0.64	0.34
8	0.15	0.64	0.32
9	0.14	0.64	0.30
10	0.15	0.66	0.32
11	0.18	0.70	0.35
12	0.19	0.70	0.38
13	0.15	0.70	0.39
14	0.18	0.66	0.34
15	0.18	0.66	0.33
16	0.19	0.61	0.28
17	0.18	0.66	0.29
18	0.19	0.68	0.33
19	0.21	0.77	0.39
20	0.25	0.79	0.44
21	0.25	0.94	0.43
22	0.26	0.81	0.49
23	0.32	0.75	0.52
24	0.30	0.68	0.41
25	0.26	0.64	0.37
26	0.25	0.64	0.37
27	0.23	0.66	0.36
28	0.00	1.54	0.49
29	0.50	1.52	0.83
30	0.58	1.50	0.78
Average	0.21	0.79	0.39
Min	0.00	0.61	0.28
Max	0.58	1.54	0.83

Dixie Reservoir FCR		
Min (mg/L)	Max (mg/L)	Avg (mg/L)
0.62	0.75	0.69
0.62	0.87	0.80
0.73	0.87	0.79
0.74	1.05	0.90
0.91	1.03	0.96
0.87	1.00	0.93
0.87	1.00	0.94
0.84	0.97	0.91
0.84	0.94	0.88
0.81	0.94	0.89
0.85	0.92	0.88
0.78	0.86	0.82
0.77	0.99	0.93
0.89	1.08	0.97
0.95	1.16	1.03
0.81	1.14	1.09
0.99	1.08	1.03
0.98	1.14	1.07
1.02	1.09	1.05
0.96	1.03	1.00
0.92	0.99	0.96
0.92	1.00	0.95
0.92	1.01	0.97
0.92	0.97	0.94
0.88	0.95	0.91
0.81	0.90	0.85
0.74	0.83	0.78
0.00	0.81	0.67
0.55	0.65	0.59
0.50	0.57	0.53
0.80	0.95	0.89
0.00	0.57	0.53
1.02	1.16	1.09

End-of-The-Line FCR		
Min (mg/L)	Max (mg/L)	Avg (mg/L)
0.36	0.54	0.47
0.46	0.61	0.54
0.32	0.49	0.42
0.26	0.36	0.33
0.35	0.62	0.50
0.44	0.69	0.58
0.42	0.53	0.48
0.36	0.52	0.46
0.31	0.45	0.38
0.41	0.54	0.49
0.40	0.50	0.46
0.43	0.67	0.57
0.47	0.75	0.63
0.38	0.51	0.44
0.38	0.56	0.49
0.37	0.56	0.41
0.38	0.51	0.46
0.38	0.53	0.50
0.43	0.75	0.64
0.59	0.83	0.74
0.58	0.70	0.64
0.53	0.71	0.65
0.57	0.73	0.67
0.51	0.65	0.58
0.45	0.54	0.50
0.47	0.64	0.54
0.53	0.67	0.59
0.44	0.58	0.53
0.41	0.60	0.56
0.51	0.56	0.54
0.43	0.60	0.53
0.26	0.36	0.33
0.59	0.83	0.74

Smith Creek/Dixie/End of Line Online Data



WQ Field Data

Mclver SS

Mclver SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
01-Sep-26	0.10	17.9	0.74	7.37
08-Sep-26	0.13	17.3	0.63	7.39
15-Sep-26	0.14	15.3	0.68	7.17
22-Sep-26	0.11	15.3	0.78	7.56
29-Sep-26	0.24	13.7	0.55	7.41
# of Samples	5	5	5	5
Average	0.14	15.9	0.68	7.38
Range	0.10-0.24	13.7-17.9	0.55-0.78	7.17-7.56

Bulk Water Station (Stn)

Bulk Water Station Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
01-Sep-26	0.47	18.1	0.69	7.36
08-Sep-26	0.20	17.4	0.58	
15-Sep-26	0.09	16.6	0.42	7.22
22-Sep-26	0.17	15.3	0.67	7.52
29-Sep-26	0.13	17.5	0.76	
# of Samples	5	5	5	3
Average	0.21	17.0	0.62	7.37
Range	0.09-0.47	15.3-18.1	0.42-0.76	7.22-7.52