

CITY OF WEST KELOWNA

Monthly Water Quality Report



Powers Creek Water Service Area
August 2026

WATER SUPPLY AND TREATMENT





Powers Creek Water Treatment Plant Monthly Water Quality Summary

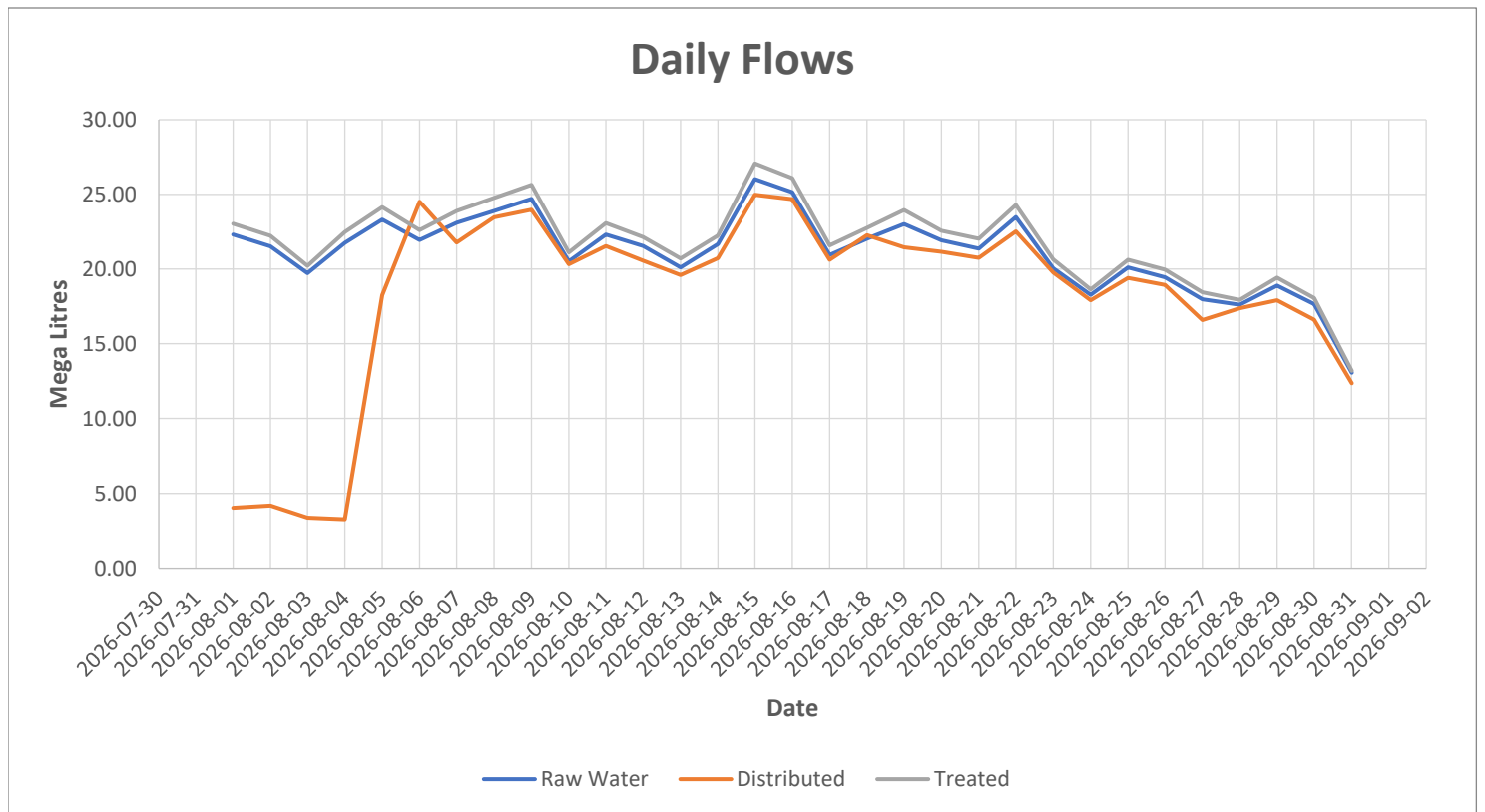
2026-09-08

August, 2026

Flow Demand:

Raw Processed Water:
Treated Water :
Distributed Water :
Backwash Water :

Total for Month
655.36 ML
675.49 ML
564.83 ML
28.32 ML



Notes:

Distributed flow shows an increase due the replacement of the faulty flow meter at Lat 1.

Raw Water Specifications:

Date	Raw Turbidity (NTU)			Raw pH		
	Min	Max	Average	Min	Max	Average
2026-08-01	0.70	3.57	1.42	7.50	7.99	7.68
2026-08-02	0.83	5.29	1.09	7.40	7.67	7.54
2026-08-03	0.79	2.79	1.06	7.51	8.00	7.69
2026-08-04	0.68	5.51	1.13	7.54	8.08	7.75
2026-08-05	0.70	3.54	1.00	7.47	8.05	7.73
2026-08-06	0.79	1.50	1.02	7.46	8.01	7.69
2026-08-07	0.79	2.60	1.01	7.48	7.80	7.60
2026-08-08	1.08	4.56	1.35	7.36	7.88	7.58
2026-08-09	0.60	4.00	1.19	7.62	8.05	7.77
2026-08-10	0.59	3.23	1.02	7.48	8.02	7.65
2026-08-11	0.63	2.97	1.02	7.40	7.92	7.62
2026-08-12	0.56	1.66	0.96	7.49	8.04	7.69
2026-08-13	0.75	2.71	0.96	7.47	8.04	7.67
2026-08-14	0.81	3.42	1.18	7.42	7.87	7.54
2026-08-15	0.95	4.34	1.32	7.34	8.06	7.65
2026-08-16	0.67	3.64	0.80	7.52	8.01	7.70
2026-08-17	0.78	6.37	1.04	7.39	7.99	7.63
2026-08-18	0.83	2.76	1.03	7.41	8.05	7.65
2026-08-19	0.86	3.47	1.24	7.41	7.99	7.61
2026-08-20	0.66	1.53	1.02	7.38	7.97	7.63
2026-08-21	0.71	2.25	0.93	7.36	7.91	7.60
2026-08-22	0.84	2.95	1.32	7.37	7.79	7.57
2026-08-23	0.93	5.08	1.45	7.34	7.61	7.47
2026-08-24	0.68	2.62	0.96	7.30	7.97	7.60
2026-08-25	0.62	3.03	0.96	7.51	8.04	7.74
2026-08-26	0.69	3.47	1.18	7.51	7.86	7.68
2026-08-27	0.73	2.57	1.11	7.59	7.88	7.72
2026-08-28	0.91	3.83	1.18	7.51	7.97	7.66
2026-08-29	1.03	2.08	1.56	7.55	7.68	7.60
2026-08-30	1.11	3.70	1.26	7.57	7.84	7.68
2026-08-31	0.67	4.18	1.01	7.62	7.99	7.76

Notes:

Raw Water Specifications (Continued):

Date	Raw Temp (°C)			Raw DOC (mg/L)		
	Min	Max	Average	Min	Max	Average
2026-08-01	15.76	17.67	16.74	8.69	9.55	9.25
2026-08-02	13.89	16.61	14.68	9.16	9.66	9.47
2026-08-03	13.25	15.74	14.50	8.72	9.10	8.91
2026-08-04	13.32	16.37	14.82	-0.22	8.80	8.63
2026-08-05	13.98	16.42	15.32	8.31	8.86	8.63
2026-08-06	14.27	16.30	15.37	8.43	8.84	8.70
2026-08-07	14.83	17.21	15.91	8.75	8.98	8.87
2026-08-08	15.30	16.88	16.11	8.83	9.53	9.28
2026-08-09	14.97	16.99	16.07	9.40	9.63	9.51
2026-08-10	15.28	22.46	16.92	-0.49	13.82	9.47
2026-08-11	15.45	17.01	16.29	9.05	9.39	9.21
2026-08-12	15.72	17.91	16.73	8.88	9.21	9.07
2026-08-13	15.44	17.51	16.54	8.92	9.20	9.09
2026-08-14	14.65	16.88	15.85	8.98	9.72	9.24
2026-08-15	15.35	17.50	16.37	9.28	10.05	9.71
2026-08-16	15.74	18.55	16.86	9.61	9.91	9.79
2026-08-17	15.64	17.66	16.80	9.46	11.18	9.59
2026-08-18	16.30	18.53	17.30	9.33	10.25	9.87
2026-08-19	16.42	18.40	17.45	9.95	10.34	10.19
2026-08-20	16.69	18.37	17.57	9.82	10.34	9.94
2026-08-21	16.54	18.39	17.55	1.59	10.93	10.68
2026-08-22	17.35	18.43	17.88	10.12	13.01	10.34
2026-08-23	16.83	18.13	17.24	10.02	100.19	11.04
2026-08-24	14.67	16.92	15.99	???	100.19	9.47
2026-08-25	14.92	17.35	16.17	8.30	8.87	8.56
2026-08-26	15.50	17.20	16.44	8.91	9.90	9.39
2026-08-27	15.61	16.95	16.12	9.82	10.42	10.09
2026-08-28	14.11	15.85	14.99	9.44	9.81	9.65
2026-08-29	13.62	15.20	14.20	9.27	10.61	10.01
2026-08-30	12.56	13.94	13.26	9.85	10.67	10.43
2026-08-31	12.44	14.23	13.40	???	100.14	9.78

Notes:

Aug 24th - DOC cleaning

Raw Water Specifications (Continued):

Date	Raw Cond (µS/cm)			Streaming Current		
	Min	Max	Average	Min	Max	Average
2026-08-01	85.19	86.61	86.01	-51.02	-13.99	-39.75
2026-08-02	84.44	85.86	85.27	-52.66	22.75	-32.95
2026-08-03	85.48	86.38	85.92	-42.89	15.67	-26.28
2026-08-04	85.91	86.80	86.24	-37.62	1.98	-22.93
2026-08-05	69.84	87.08	86.23	-32.83	11.66	-16.96
2026-08-06	85.51	86.70	86.22	-9.96	25.44	3.21
2026-08-07	85.72	86.80	86.19	-13.97	23.56	7.03
2026-08-08	84.67	86.05	85.53	-39.62	35.36	11.00
2026-08-09	84.51	85.31	85.04	-39.74	28.66	5.13
2026-08-10	-0.26	86.24	85.09	-39.64	13.69	-9.64
2026-08-11	75.97	87.98	86.93	-17.14	6.18	-6.92
2026-08-12	86.77	87.50	87.21	-12.06	9.61	-2.38
2026-08-13	78.80	87.18	86.79	-25.91	13.71	-0.61
2026-08-14	75.60	86.76	86.45	-13.28	14.57	0.58
2026-08-15	84.52	86.00	85.47	-39.69	-7.03	-23.91
2026-08-16	84.78	85.76	85.41	-42.98	-15.21	-31.04
2026-08-17	62.50	86.47	85.73	???	-22.69	-34.47
2026-08-18	86.01	87.41	86.67	-63.87	-15.90	-42.90
2026-08-19	81.28	88.56	87.43	-65.80	16.69	-51.85
2026-08-20	85.84	87.25	86.61	-59.93	-24.74	-48.60
2026-08-21	57.05	87.25	86.46	-62.70	22.73	-16.17
2026-08-22	86.17	87.78	86.64	-5.91	36.05	10.08
2026-08-23	85.88	86.62	86.27	-4.95	37.29	12.50
2026-08-24	81.03	88.32	86.62	-9.15	50.34	18.70
2026-08-25	86.13	88.18	87.06	-7.12	34.12	11.97
2026-08-26	66.82	88.15	87.53	-13.23	18.82	-0.88
2026-08-27	24.31	87.67	86.98	-18.66	42.01	8.05
2026-08-28	85.76	87.20	86.46	-10.03	99.52	36.80
2026-08-29	82.01	86.58	84.41	2.08	121.48	69.87
2026-08-30	82.19	84.18	83.23	-33.83	146.56	68.12
2026-08-31	72.37	85.99	85.20	-13.97	61.64	33.88

Notes:

Aug 17th flushed pH

Raw Water Specifications (Continued):

Date	Coagulated pH			Coagulated Temp (°C)		
	Min	Max	Average	Min	Max	Average
2026-08-01	6.86	6.96	6.92	15.89	17.44	16.59
2026-08-02	6.84	7.05	6.92	14.01	15.27	14.70
2026-08-03	6.82	6.95	6.91	13.59	15.68	14.52
2026-08-04	6.89	6.96	6.93	13.68	15.96	14.82
2026-08-05	6.87	6.93	6.90	14.31	16.37	15.29
2026-08-06	6.80	6.87	6.83	14.50	16.20	15.60
2026-08-07	6.79	6.87	6.83	15.02	17.29	16.00
2026-08-08	6.71	6.87	6.77	15.66	17.11	16.34
2026-08-09	6.73	6.92	6.82	15.40	17.28	16.34
2026-08-10	6.77	6.92	6.84	15.75	17.63	16.74
2026-08-11	6.81	6.85	6.84	15.96	17.18	16.63
2026-08-12	6.79	6.84	6.82	16.17	18.03	16.98
2026-08-13	6.78	6.92	6.84	15.84	17.43	16.72
2026-08-14	6.78	6.86	6.82	15.29	17.27	16.38
2026-08-15	6.82	6.96	6.89	16.05	17.66	16.81
2026-08-16	6.83	6.96	6.90	16.29	17.89	17.02
2026-08-17	6.87	6.94	6.91	16.48	18.43	17.36
2026-08-18	6.88	6.93	6.91	16.37	22.21	18.27
2026-08-19	6.89	6.96	6.92	16.28	18.16	17.25
2026-08-20	6.89	6.97	6.93	16.59	18.16	17.36
2026-08-21	6.82	6.95	6.90	16.31	18.15	17.25
2026-08-22	6.85	6.94	6.89	17.01	18.01	17.53
2026-08-23	6.87	6.93	6.89	16.52	17.61	16.85
2026-08-24	2.49	6.97	6.84	14.86	19.10	15.78
2026-08-25	6.91	6.97	6.93	14.99	17.11	16.01
2026-08-26	6.90	6.96	6.94	15.44	16.95	16.30
2026-08-27	6.85	6.95	6.89	15.53	16.64	16.01
2026-08-28	6.78	6.91	6.86	14.16	15.50	14.92
2026-08-29	6.73	6.90	6.78	13.73	14.94	14.20
2026-08-30	6.75	6.87	6.81	12.66	13.87	13.27
2026-08-31	6.88	6.99	6.94	12.39	14.33	13.41

Notes:

Train 1 Filter Turbidity (NTU):

Date	Filter 1			Filter 2			Filter 3		
	Min	Max	Average	Min	Max	Average	Min	Max	Average
2026-08-01	0.02	0.03	0.02	0.02	0.05	0.02	0.01	0.01	0.01
2026-08-02	0.02	0.06	0.02	0.02	0.03	0.03	0.01	0.04	0.01
2026-08-03	0.02	0.02	0.02	0.02	0.06	0.02	0.01	0.01	0.01
2026-08-04	0.02	0.04	0.02	0.02	0.02	0.02	0.01	0.03	0.01
2026-08-05	0.02	0.02	0.02	0.02	0.04	0.02	0.01	0.01	0.01
2026-08-06	0.02	0.05	0.02	0.02	0.03	0.02	0.01	0.04	0.01
2026-08-07	0.02	0.03	0.02	0.02	0.04	0.02	0.01	0.01	0.01
2026-08-08	0.02	0.06	0.03	0.02	0.03	0.02	0.01	0.04	0.01
2026-08-09	0.02	0.04	0.03	0.02	0.05	0.02	0.01	0.01	0.01
2026-08-10	0.02	0.06	0.03	0.02	0.04	0.02	0.01	0.05	0.02
2026-08-11	0.02	0.04	0.02	0.02	0.06	0.03	0.01	0.01	0.01
2026-08-12	0.02	0.05	0.03	0.02	0.02	0.02	0.01	0.04	0.01
2026-08-13	0.02	0.11	0.02	0.02	0.05	0.02	0.01	0.02	0.01
2026-08-14	0.02	0.06	0.03	0.02	0.03	0.02	0.01	0.03	0.01
2026-08-15	0.02	0.03	0.03	0.02	0.05	0.03	0.01	0.01	0.01
2026-08-16	0.02	0.06	0.03	0.02	0.03	0.02	0.01	3.02	0.02
2026-08-17	0.02	0.04	0.03	0.03	0.07	0.03	0.01	0.02	0.02
2026-08-18	0.02	0.06	0.03	0.02	0.03	0.03	0.01	0.05	0.02
2026-08-19	0.02	0.03	0.03	0.03	0.07	0.03	0.02	0.02	0.02
2026-08-20	0.01	0.06	0.03	0.02	0.03	0.02	0.01	0.04	0.02
2026-08-21	0.02	0.03	0.02	0.02	0.05	0.03	0.01	0.02	0.01
2026-08-22	0.02	0.05	0.03	0.02	0.04	0.02	0.01	0.04	0.01
2026-08-23	0.02	0.03	0.02	0.02	0.06	0.03	0.01	0.02	0.01
2026-08-24	0.01	0.03	0.02	0.02	0.03	0.02	0.01	0.04	0.02
2026-08-25	0.01	0.03	0.02	0.02	0.05	0.03	0.01	0.01	0.01
2026-08-26	0.02	0.05	0.02	0.03	0.05	0.03	0.01	0.05	0.02
2026-08-27	0.02	0.04	0.02	0.03	0.08	0.03	0.01	0.03	0.02
2026-08-28	0.02	0.05	0.03	0.02	0.03	0.03	0.01	0.05	0.02
2026-08-29	0.02	0.05	0.03	0.01	0.06	0.03	0.01	0.01	0.01
2026-08-30	0.02	0.07	0.03	0.02	0.04	0.03	0.01	0.04	0.01
2026-08-31	0.02	0.03	0.02	0.00	0.08	0.02	0.01	0.01	0.01

Notes:

Aug 16th - Turbidity spike due to automatic backwash

Train 2 Filter Turbidity (NTU)

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

Notes:

UV Treatment:

	Average Flow	Avg Validated Dose	UV Availability
Date	(L/s)	(mj/cm2)	(%)
2026-08-01	218.09	25.30	99.93
2026-08-02	191.30	27.00	99.93
2026-08-03	206.34	26.40	99.93
2026-08-04	224.44	25.10	99.93
2026-08-05	214.48	26.60	99.93
2026-08-06	220.37	26.10	99.93
2026-08-07	295.12	21.97	99.93
2026-08-08	221.97	25.80	99.93
2026-08-09	256.45	21.57	99.93
2026-08-10	214.38	24.80	99.93
2026-08-11	325.59	20.23	99.93
2026-08-12	264.48	20.63	99.93
2026-08-13	255.95	21.80	99.93
2026-08-14	251.89	22.47	99.93
2026-08-15	296.54	20.93	99.93
2026-08-16	182.15	28.47	99.93
2026-08-17	270.61	21.57	99.93
2026-08-18	284.17	21.27	99.93
2026-08-19	329.12	21.07	99.72
2026-08-20	330.83	22.00	81.80
2026-08-21	287.95	21.53	99.93
2026-08-22	209.51	26.07	99.93
2026-08-23	204.95	27.10	99.93
2026-08-24	190.29	28.27	99.93
2026-08-25	269.18	21.90	99.93
2026-08-26	295.93	20.30	99.93
2026-08-27	284.07	20.60	99.93
2026-08-28	189.93	26.41	99.93
2026-08-29	336.57	99.93	99.93
2026-08-30	163.79	99.93	99.93
2026-08-31	179.61	99.93	99.93

Notes:

Aug 20th - UV availability down to 81.8% due to power outage

UV Transmittance %:

Date	Min	Max	Average
2026-08-01	88.60	90.40	89.26
2026-08-02	88.70	89.90	89.23
2026-08-03	89.10	91.50	89.93
2026-08-04	89.40	90.60	89.95
2026-08-05	89.60	90.60	90.05
2026-08-06	89.70	90.60	90.09
2026-08-07	89.60	90.20	89.93
2026-08-08	89.00	90.20	89.64
2026-08-09	88.60	89.20	88.92
2026-08-10	87.90	89.60	88.68
2026-08-11	87.90	89.20	88.45
2026-08-12	87.90	89.20	88.52
2026-08-13	88.60	89.70	89.18
2026-08-14	88.80	89.90	89.28
2026-08-15	88.50	90.00	88.96
2026-08-16	88.60	89.90	89.25
2026-08-17	89.20	90.00	89.62
2026-08-18	88.60	90.10	89.45
2026-08-19	77.90	90.00	89.26
2026-08-20	89.50	90.60	89.92
2026-08-21	89.20	90.00	89.47
2026-08-22	89.40	90.60	89.92
2026-08-23	89.50	90.10	89.70
2026-08-24	89.50	90.80	90.07
2026-08-25	89.40	91.30	90.21
2026-08-26	88.30	90.10	89.09
2026-08-27	88.20	88.80	88.39
2026-08-28	88.70	90.10	89.22
2026-08-29	89.00	90.50	89.45
2026-08-30	89.00	90.40	89.28
2026-08-31	89.10	90.80	89.72

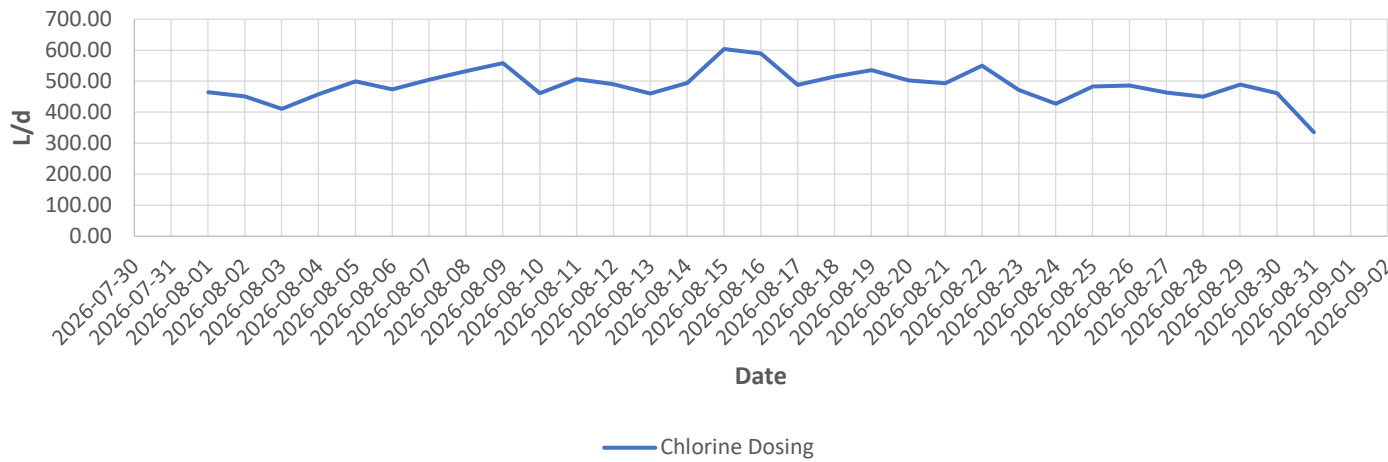
Notes:

Chemical Demand:

Chlorine Used:

Total for Month
15108.96 L

Chlorine Dosing

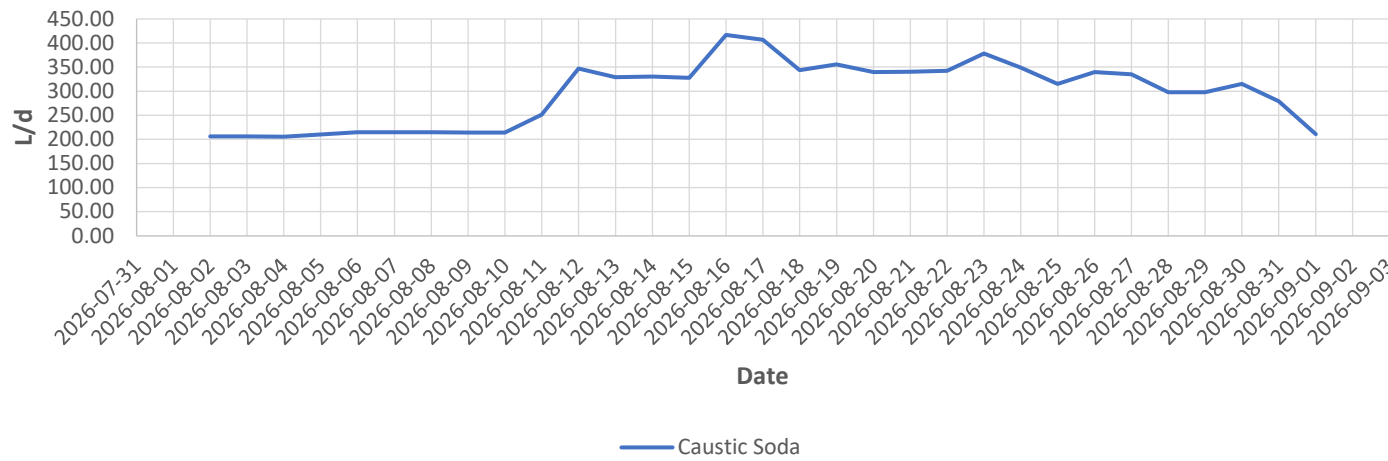


Notes:

Caustic Soda Used:

Total for Month
9147.75 Litres

Caustic Usage

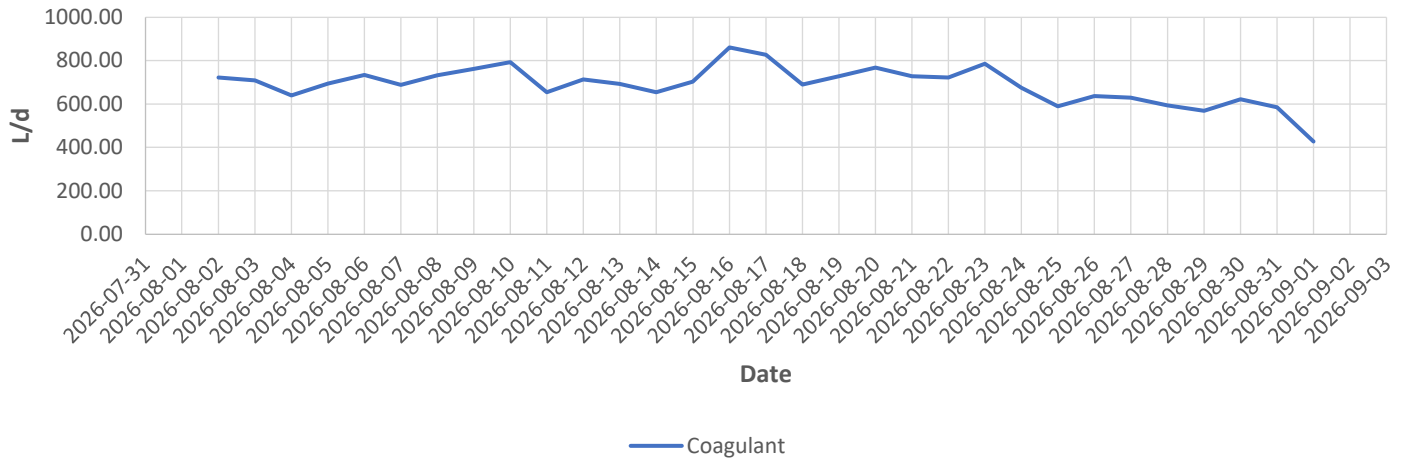


Notes:

Coagulant Used:

Total for Month
21329.37 Litres

Coagulant Usage



Notes:

DAF & Residual DAF Neat Polymer

Total for Month
613.84 L

Centrifuge Neat Polymer

Total for Month
1246.43 L

Chlorine Dose

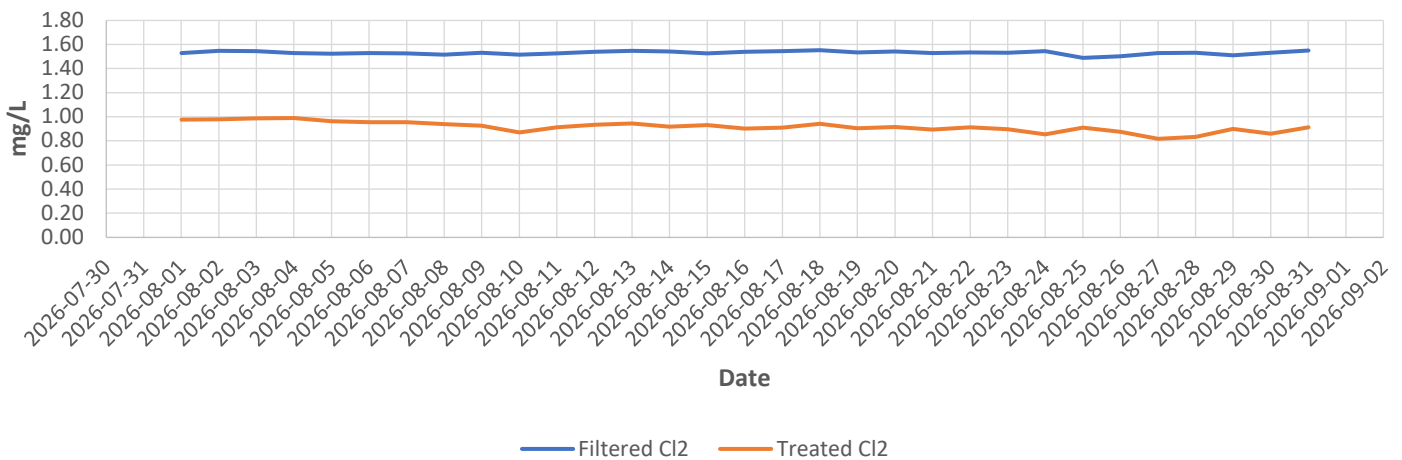
Filtered Water Residual Cl2 Average (mg/L):

1.53 mg/L

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

0.92 mg/L

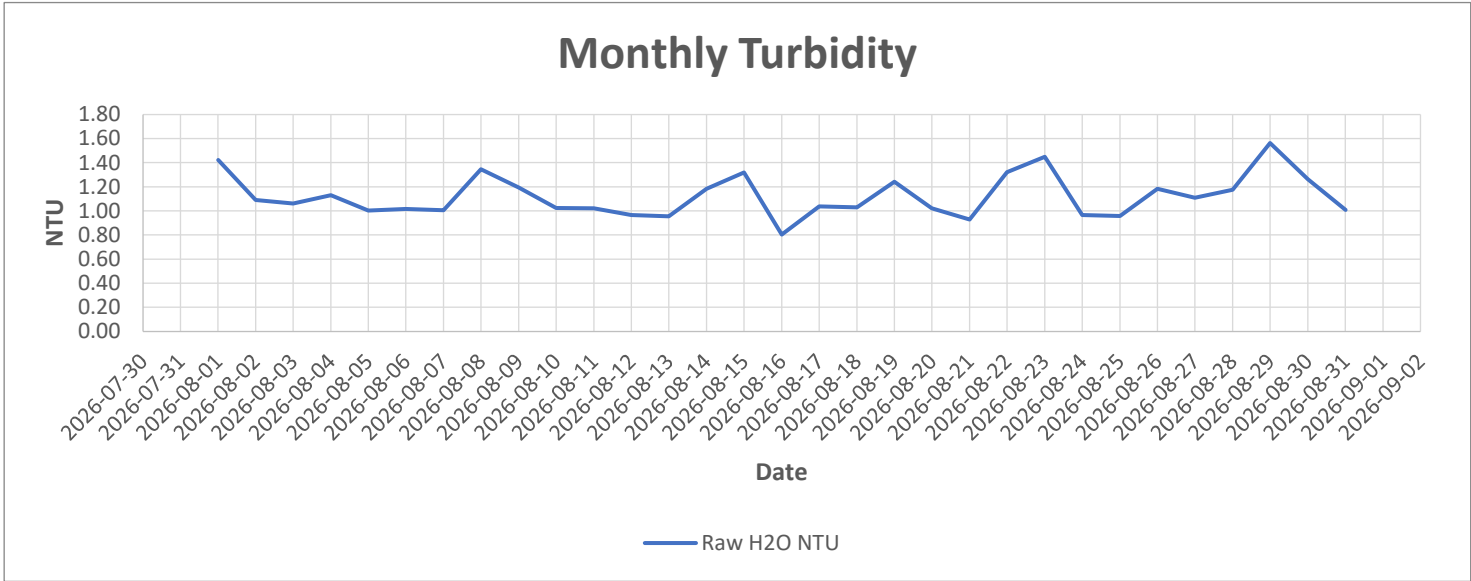
Average Residual CL2 Content



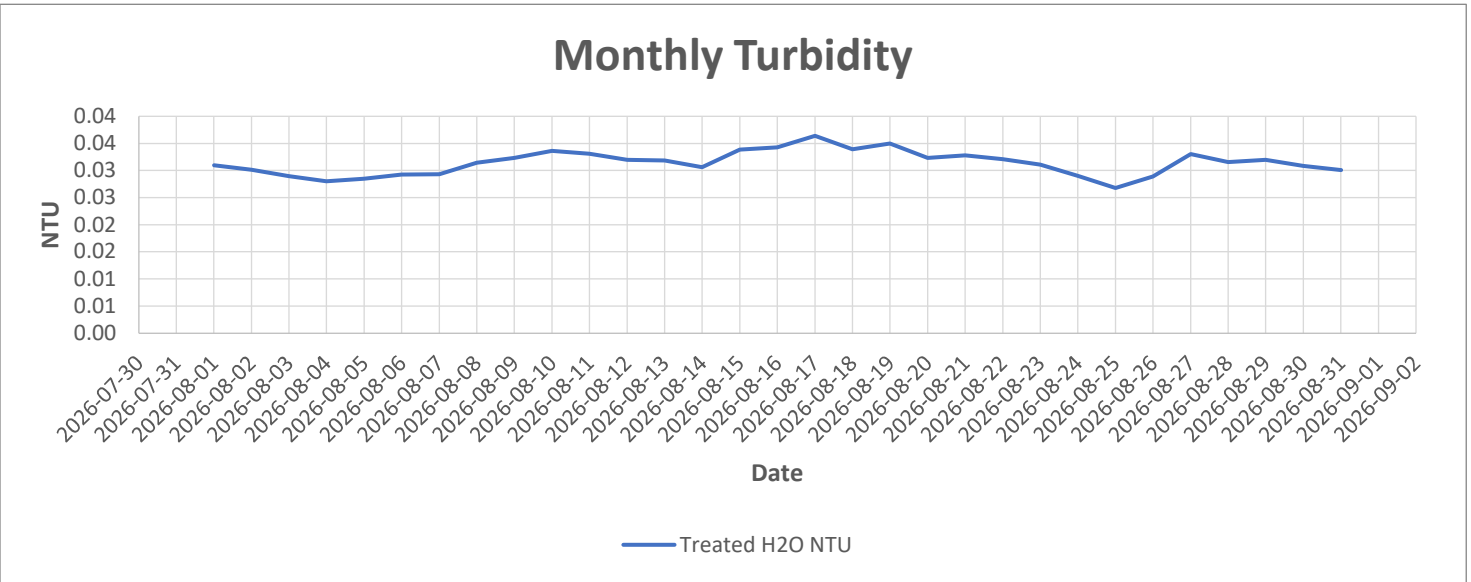
Water Quality Analytics:

Turbidity

Raw Water Monthly Average: 1.12 NTU



Treated Water Monthly Average: 0.03 NTU



Notes:

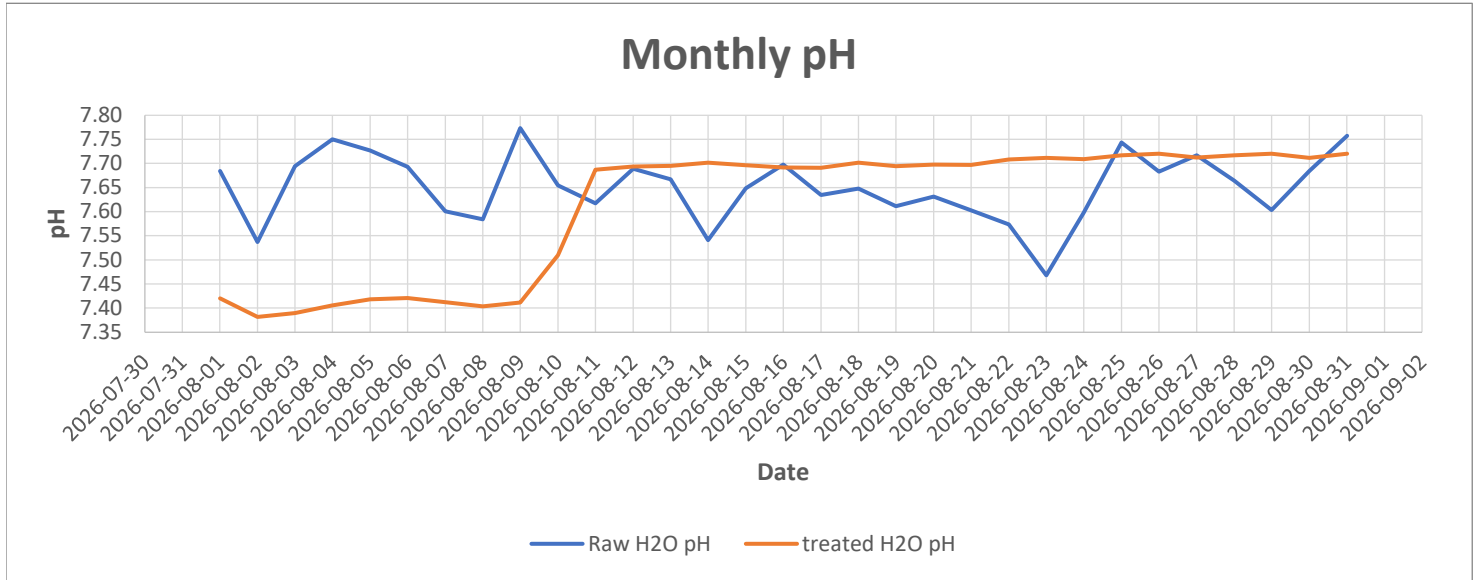
pH

Raw Water Monthly Average:

7.65 pH

Treated Water Monthly Average:

7.61 pH



Notes:

treated water pH back to normal operation after flow meter installed at Lat 1.

Powers Creek WTP Operational Highlights:

Aug 5th - Chemical delivery (PAC bulk load)
Aug 6th - Flow meter installed and working at Lat 1
Aug 6th - SCR concrete contractor fixing cracks in plant
Aug 7th - battery swap out at Bear Lake kiosk in response to headgate issues
Aug 10th - 2nd battery swap out at Bear Lake kiosk in response to headgate issues
Aug 10th - changed all raw water tubing
Aug 10th - annual cathodic testing - contractor (Acid Integrity)
Aug 13th - Electrician investigated EFOY system issue at Bear Lake
Aug 14th - Electrician and Millwright investigated valve at Bear Lake
Aug 14th - contractor did asbestos abatement in old tonner room
Aug 17th - changed tubing and flushed pH & Cl₂ finished water analyzers
Aug 17th - flushed streaming current
Aug 18th - flushed flashmix IAugine to the streaming current analyzer
Aug 19th - Power outage at plant - caused by large Heron
 - BC HYDRO called to site to restore power on their side
 - Advanced Power called to site to restore power to plant side
 - Centrix called to assist with programming after power outage
Aug 19th - flushed and cleaned centrifuge poly make down system
Aug 19th - switched back to poly 7660A due to issues with new product from Cleartech
Aug 20th - contractor installed roll up door on old chlorine building
Aug 24th - compressor belt replaced by contractor
Aug 24th - Electrician changed batteries at Bear Lake kiosk
Aug 24th - cleaned DOC & raw water pH analyzers, all NTU analyzers, all pH analyzers, cleaned and calibrated treated water NTU vial - WQ Technician
Aug 25th - recalibrated pH & Cl₂ finished water analyzers
Aug 26th - flushed Hypo trim line
Aug 27th - tightened chains on DAF #2 - Millwright
Aug 28th - Contractors on site to look at Hypo project (Maple Reinders & Summit)
Aug 31st - 1000hr service on DAFs # 2, 4, 6 - Millwright
Aug 31st - changed out both Cl₂ membranes, cleaned & calibrated DOC analyzer, flushed streaming current - WQ Technician

Power Creek Watershed Operational Highlights:

Lambly

-Aug 5th 2518.8ML

-Aug 24th 2135.2ML Removed Flashboards and Re stocked fuel cell with 6 new jugs

Jackpine

-Aug 5th 999.1ML

-Aug 17th Opened to 5.5ML/d

-Aug 26th 958.4ML

Paynter

-Aug 5th 278.8ML Opened to 5.5ML/d

-Aug 26th 163ML

Powers creek

-Aug 5th 17.4ML going down creek

-Aug 17th placed 2 stop logs in creek. 5.5ML/d going to Lambly

-Aug 31st placed 3rd log in creek. 16.4ML/d going to Lambly

Horseshoe

-Aug 5th 815.3ML Opened to 10.4ML/d

-Aug 26th 733ML

Dobbin

-Aug 5th 448.9ML Opened to 10.9ML/d

-Aug 26th 416ML

Tadpole

-Aug 5th 2874ML Opened to 11,4ML/d

-Aug 18th Completed Piezometers

-Aug 26th 2499ML

Dam inspections are completed weekly

Definitions:

UV Availability (%) - Calculated daily percentage of the time the UV is in operation divided by the time where there is flow going through the UV reactor. (Note: SCADA performing this calculation has a small error based on the time the values are pulled which does not allow the UV Availability to show 100% when the Reactor was operating for a full day without interruption (i.e. 99.93% represents a full day running without issue).

WATER DISTRIBUTION



Power's Creek Water Service Area – Distribution System Monitoring

August 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 August.
- August 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*.
- August 7, 2026 – Glenrosa Reservoir high strength hypo concentration tested, changed to 4.2% in the PLC.

Operational System Improvements/Events

- August 13, 2026 – PRV #8 (The Pointe) maintenance completed, a new Cla-Val PRV was installed on the bypass line and sections of galvanized piping was replaced with new stainless-steel piping.
- August 13, 2026 – 2582 Lower Glenrosa Rd water main break repair started, due to the requirement to throttle the main coupled with loss in water pressure to complete the repair a water quality advisory was issued to 17 prosperities along Paynter Rd.
 - August 14, 2026 – Water main was completely isolated, all properties affected were turned off at the curb stop prior to shut down.
 - August 15, 2026 – Main was repaired and water service reinstated to properties with exception of the homes on the south side of Paynter Rd, due to a valve broken in the closed position.
 - Water Quality sampling was conducted at three locations including bacteriological samples taken.



- August 17, 2026 – Second set of water quality samples taken including bacteriological samples.
 - The broken valve was removed from service, and water was restored to the 7 properties affected by the additional repair.
- August 19, 2026 – Water Quality Advisory rescinded in collaboration with Interior Health Officer.

Date	Sampling Location	Turbidity (NTU)	FCR (mg/L)	Temp (°C)	Total Coliforms (CFU/100mL)	E.coli (CFU/100mL)
15-Aug-26	3607 PAYNTER RD - HYDRANT #728	0.62	0.62	16.8	<1	<1
15-Aug-26	3687 PAYNTER RD - FRUIT MARKET	0.79	0.79	18.1	<1	<1
15-Aug-26	2562 MAIN - HYDRANT #1311	0.86	0.88	18.9	<1	<1
17-Aug-26	3687 PAYNTER RD	0.23	0.60	19.0	<1	<1
17-Aug-26	2562 MAIN - HYDRANT #1311	0.19	0.60	18.0	<1	<1
17-Aug-26	3607 PAYNTER - HYDRANT #728	0.80	0.47	17.0	<1	<1

- August 17, 2026 – 3249 McGinnis Rd long-sided service leak repaired by City staff and City contractor, road section closed during repair, only one home affected. Positive pressure was maintained during repair.
- August 16, 2026 – Power outage affecting Glenrosa Reservoir and PS. Power was restored and all settings were reinstated.
- August 19, 2026 – Power's Creek Treatment plant experienced a power outage. Utility power was restored same day.
- August 31, 2026 – 2579 Saddleridge Dr service leak repair completed by City staff and City contractor only one home affected by repair. Positive Pressure maintained during repair.

WQ Field and SCADA Data

Sampling Location Table:

Sample Name	Civic Address	Pressure Zone	WQ Sampling Rationale
Lateral One PS	3188 Shetler Dr	630	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.

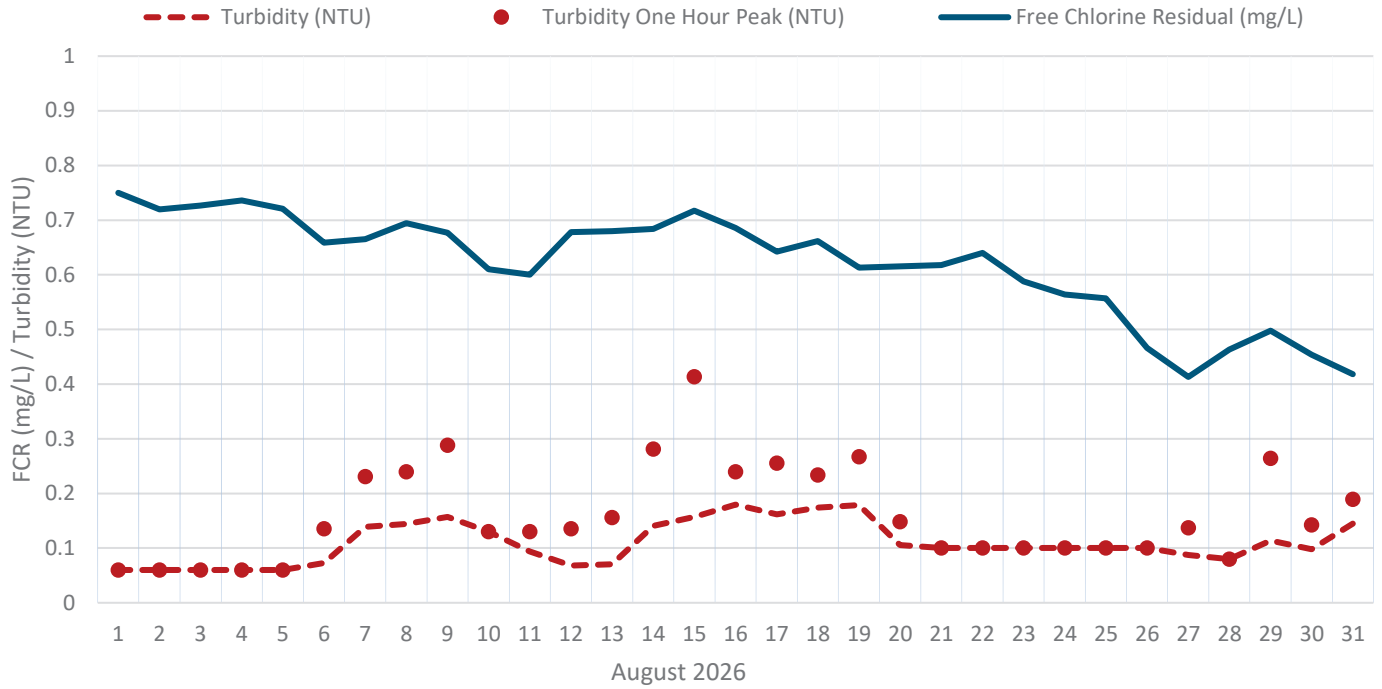
- **PS** = Pump Station
- **SS**= Sample Station
- **Res** = Reservoir
- **WQS** = Water Quality Station

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 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)
August 2026							
1	7.11	0.06	0.06	18.10	0.51	0.88	0.75
2	7.08	0.06	0.06	16.96	0.51	0.82	0.72
3	7.06	0.06	0.06	15.78	0.57	0.82	0.73
4	7.09	0.06	0.06	18.11	0.60	0.88	0.74
5	7.06	0.06	0.06	17.85	0.57	0.84	0.72
6	7.04	0.07	0.14	19.50	0.60	0.73	0.66
7	7.03	0.14	0.23	19.67	0.59	0.74	0.67
8	7.03	0.14	0.24	19.70	0.57	0.86	0.69
9	7.03	0.16	0.29	19.36	0.54	0.87	0.68
10	7.10	0.13	0.13	19.54	0.46	0.76	0.61
11	7.30	0.09	0.13	18.32	0.45	0.71	0.60
12	7.31	0.07	0.14	17.55	0.56	0.78	0.68
13	7.31	0.07	0.16	17.74	0.57	0.77	0.68
14	7.30	0.14	0.28	17.10	0.55	0.79	0.68
15	7.31	0.16	0.41	17.18	0.57	0.82	0.72
16	7.28	0.18	0.24	17.37	0.55	0.76	0.69
17	7.31	0.16	0.26	17.69	0.53	0.72	0.64
18	7.34	0.17	0.23	18.54	0.46	0.76	0.66
19	7.32	0.18	0.27	19.13	0.36	0.71	0.61
20	7.31	0.11	0.15	19.02	0.00	0.76	0.62
21	7.25	0.10	0.10	18.87	0.44	0.72	0.62
22	7.28	0.10	0.10	19.18	0.46	0.75	0.64
23	7.23	0.10	0.10	18.52	0.46	0.72	0.59
24	7.27	0.10	0.10	17.52	0.46	0.66	0.56
25	7.40	0.10	0.10	18.88	0.42	0.71	0.56
26	7.33	0.10	0.10	20.18	0.39	0.84	0.47
27	7.33	0.09	0.14	18.82	0.34	0.52	0.41
28	7.34	0.08	0.08	17.98	0.38	0.63	0.46
29	7.26	0.11	0.26	16.78	0.38	0.68	0.50
30	7.37	0.10	0.14	15.52	0.39	0.55	0.45
31	7.32	0.14	0.19	15.84	0.38	0.46	0.42
Average	7.23	0.11		18.14	0.47	0.74	0.62
Min	7.03	0.06		15.52	0.00	0.46	0.41
Max	7.40	0.18	0.41	20.18	0.60	0.88	0.75

Lateral One PS Online Data



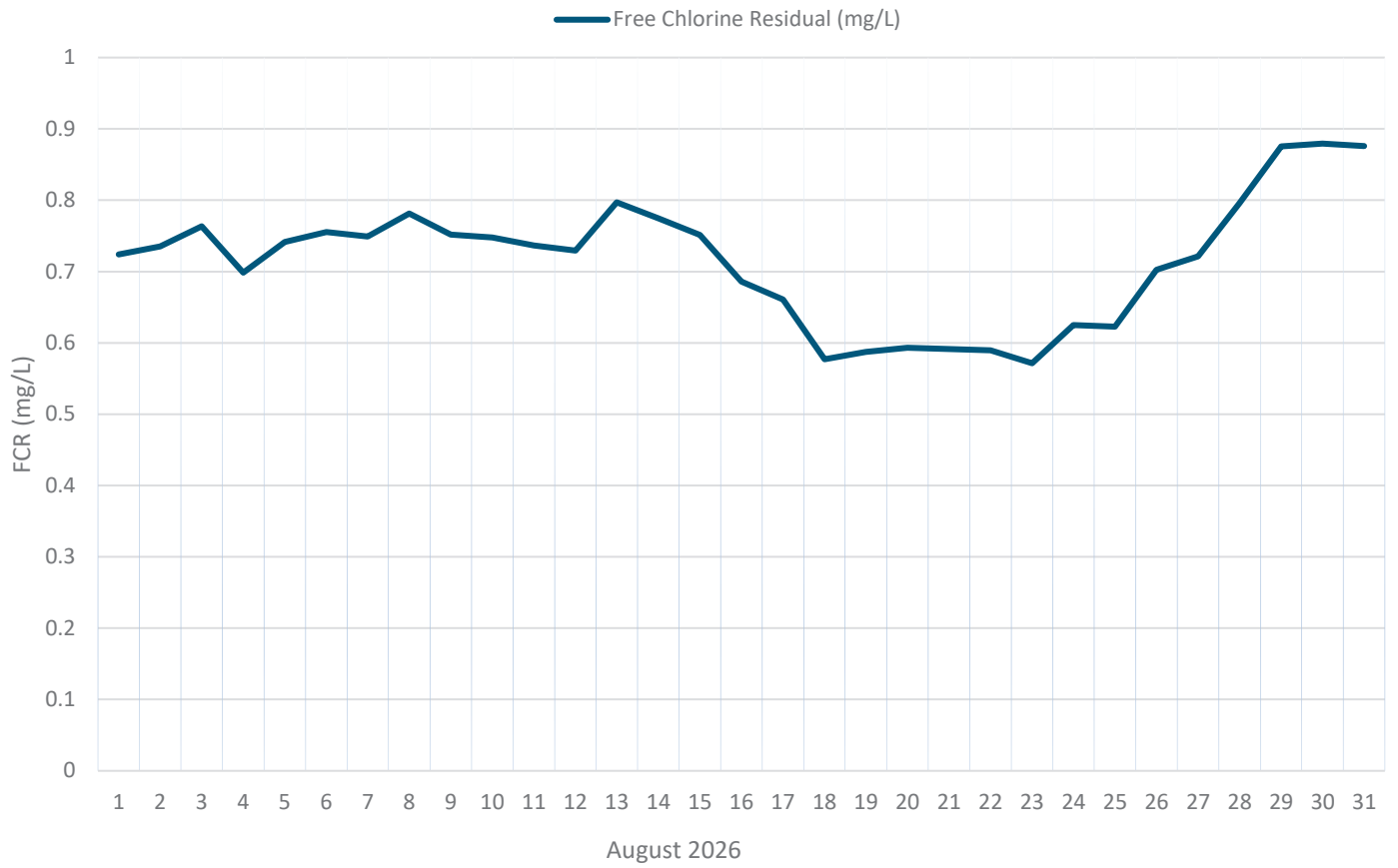
Lateral One PS Water Quality

Date	Turbidity		Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
04-Aug-26	0.14	0.08	18.7	0.78	0.75	7.07
11-Aug-26	0.24	0.08	19.8	0.68	0.61	7.07
18-Aug-26	0.18	0.21	18	0.89	0.72	7.34
25-Aug-26	0.11	0.12	18	0.85	0.64	7.28
# of Samples	4	4	4	4	4	4
Average	0.17	0.12	18.63	0.8	0.68	7.19
Range	0.11-0.24	0.08-0.21	18-19.8	0.68-0.89	0.61-0.75	7.07-7.34

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)
August 2026							
1	4.03	8.90	7.22	17.06	0.49	1.29	0.72
2	4.19	8.14	7.23	16.55	0.42	0.96	0.74
3	3.38	4.36	7.22	15.60	0.47	0.93	0.76
4	3.28	4.95	7.22	15.58	0.46	1.09	0.70
5	3.40	4.95	7.23	15.68	0.48	1.19	0.74
6	3.33	4.95	7.23	15.87	0.46	1.28	0.76
7	3.19	4.95	7.23	16.08	0.49	1.79	0.75
8	4.18	8.71	7.23	16.51	0.48		0.78
9	4.23	8.66	7.23	16.50	0.50	1.61	0.75
10	3.15	4.97	7.28	16.62	0.54	1.74	0.75
11	3.65	4.94	7.38	16.77	0.45	1.80	0.74
12	3.11	4.96	7.41	16.83	0.48	1.55	0.73
13	3.39	4.99	7.46	16.98	0.48	1.49	0.80
14	3.18	4.97	7.47	16.74	0.53	1.03	0.77
15	4.02	8.92	7.48	16.65	0.49	1.04	0.75
16	4.39	9.01	7.48	16.73	0.40	1.04	0.69
17	3.16	4.99	7.49	16.85	0.34	0.97	0.66
18	3.48	4.99	7.48	17.12	0.27	1.05	0.58
19	3.47	4.97	7.48	17.51	0.21	0.95	0.59
20	3.25	4.99	7.48	17.70	0.20	1.05	0.59
21	3.08	4.98	7.49	17.73	0.22	0.96	0.59
22	3.96	8.90	7.49	17.91	0.25	1.02	0.59
23	3.76	4.99	7.51	17.69	0.26	0.98	0.57
24	3.03	4.99	7.53	17.18	0.31	0.98	0.63
25	3.31	5.00	7.58	16.92	0.30	1.04	0.62
26	3.21	4.99	7.62	16.93	0.35	1.43	0.70
27	3.04	4.98	7.63	17.03	0.53	1.39	0.72
28	3.11	4.97	7.64	16.69	0.62	1.40	0.80
29	3.49	8.72	7.65	16.20	0.65	1.61	0.88
30	3.18	4.97	7.65	15.50	0.72	1.47	0.88
31	2.76	5.00	7.65	14.96	0.74	1.44	0.88
Total	103						
Average	3.46	5.93	7.43	16.67	0.44	1.25	0.72
Min	2.76	4.36	7.22	14.96	0.20	0.93	0.57
Max	4.39	9.01	7.65	17.91	0.74	1.80	0.88

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)
August 2026			
1	0.29	0.90	0.53
2	0.30	0.88	0.50
3	0.30	0.88	0.55
4	0.30	20.87	0.57
5	0.32	1.01	0.57
6	0.32	0.94	0.65
7	0.32	0.95	0.64
8	0.26	0.97	0.54
9	0.32	0.97	0.56
10	0.19	0.84	0.50
11	0.25	0.79	0.50
12	0.21	0.81	0.47
13	0.18	0.81	0.50
14	0.23	0.83	0.52
15	0.23	0.84	0.49
16	0.23	0.81	0.48
17	0.21	0.75	0.53
18	0.19	0.79	0.45
19	0.18	0.75	0.43
20	0.15	0.79	0.46
21	0.15	0.73	0.47
22	0.14	0.77	0.36
23	0.12	0.77	0.33
24	0.14	0.73	0.41
25	0.19	0.77	0.39
26	0.18	3.36	0.42
27	0.15	0.62	0.37
28	0.14	0.70	0.39
29	0.14	0.79	0.43
30	0.19	0.70	0.36
31	0.15	0.66	0.29
Average	0.22	1.54	0.47
Min	0.12	0.62	0.29
Max	0.32	20.87	0.65

Dixie Reservoir FCR		
Min (mg/L)	Max (mg/L)	Avg (mg/L)
0.52	0.61	0.56
0.46	0.59	0.53
0.37	0.50	0.43
0.33	0.40	0.37
0.26	0.36	0.31
0.21	0.33	0.26
0.18	0.26	0.21
0.10	0.21	0.15
0.10	0.18	0.13
0.10	0.33	0.18
0.15	0.26	0.20
0.12	0.22	0.16
0.10	0.46	0.28
0.29	0.39	0.34
0.30	0.42	0.36
0.29	0.42	0.35
0.26	0.42	0.33
0.37	0.42	0.40
0.30	0.39	0.34
0.26	0.42	0.35
0.28	0.39	0.33
0.23	0.28	0.26
0.19	0.39	0.25
0.32	0.61	0.43
0.53	0.64	0.58
0.51	0.65	0.56
0.52	0.62	0.57
0.52	0.64	0.59
0.51	0.78	0.60
0.65	0.74	0.70
0.61	0.81	0.70
0.32	0.46	0.38
0.10	0.18	0.13
0.65	0.81	0.70

End-of-The Line FCR		
Min (mg/L)	Max (mg/L)	Avg (mg/L)
0.37	0.63	0.54
0.37	0.72	0.59
0.38	0.57	0.49
0.44	0.70	0.59
0.42	0.69	0.58
0.41	0.67	0.57
0.41	0.70	0.57
0.36	0.67	0.58
0.50	0.79	0.64
0.41	0.61	0.51
0.35	0.58	0.48
0.38	0.63	0.52
0.38	0.54	0.47
0.31	0.61	0.50
0.41	0.61	0.53
0.43	1.10	0.66
0.25	0.58	0.42
0.32	0.61	0.49
0.30	0.63	0.51
0.26	0.50	0.36
0.34	0.59	0.52
0.31	0.61	0.48
0.39	0.76	0.58
0.32	0.44	0.37
0.23	0.59	0.46
0.29	0.61	0.48
0.27	0.90	0.42
0.36	0.46	0.40
0.39	0.88	0.57
0.46	1.11	0.59
0.40	0.47	0.43
0.36	0.66	0.51
0.23	0.44	0.36
0.50	1.11	0.66

End-of-Line WQS Water Quality					
Date	Turbidity	Temp	FCR		pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
04-Aug-26	0.14	18.4	0.71	0.63	7.07
11-Aug-26	0.15	20.3	0.39	0.46	7.11
18-Aug-26	0.11	19.0	0.48	0.51	7.35
25-Aug-26	0.07	20.0	0.54	0.57	7.21
# of Samples	4	4	4	4	4
Average	0.12	19.43	0.53	0.54	7.19
Range	0.07-0.15	18.4-20.3	0.39-0.71	0.46-0.63	7.07-7.35

WQ Field Data

Mclver SS

Mclver SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
04-Aug-26	0.08	18.3	0.63	7.07
11-Aug-26	0.18	18.8	0.67	7.08
18-Aug-26	0.12	20.0	0.54	7.39
25-Aug-26	0.13	20.0	0.64	7.22
# of Samples	4	4	4	4
Average	0.13	19.28	0.62	7.19
Range	0.08-0.18	18.3-20	0.54-0.67	7.07-7.39

Bulk Water Station (Stn)

Bulk Water Station Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
04-Aug-26	0.18	18.0	0.74	7.05
11-Aug-26	0.31	20.0	0.61	7.07
18-Aug-26	0.18	19.0	0.65	7.32
25-Aug-26	0.14	18.0	0.65	7.10
# of Samples	4	4	4	4
Average	0.20	18.8	0.66	7.14
Range	0.14-0.31	18.0-20.0	0.61-0.74	7.05-7.32

Disinfection Byproducts

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

Date	Lateral One PS	End-of-Line	Mclver SS	Bulk Water Stn
25-Nov-25	0.0400	0.0475	0.0420	0.0541
09-Dec-25	0.0227	0.0293	0.0308	0.0307
17-Feb-26	0.0344	0.0483	0.0516	0.0450
12-May-26	0.0264	0.0420	0.0369	0.0347
18-Aug-26	0.0518	0.0759	0.0734	0.0764
Average	0.0351	0.0486	0.0469	0.0482

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

Date	Lateral One PS	End-of-Line	Mclver SS	Bulk Water Stn
25-Nov-25	0.0280	0.0359	0.0325	0.0376
09-Dec-25	0.0221	0.0342	0.0341	0.0349
17-Feb-26	0.0184	0.0248	0.0310	0.0268
12-May-26	0.0207	0.0336	0.0302	0.0260
18-Aug-26	0.0253	0.0424	0.0345	0.0313
Average	0.0229	0.0342	0.0325	0.0313

Manganese

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

Location	19-Aug-25	25-Nov-25	17-Feb-26	12-May-26	18-Aug-26	Average
Lateral One	0.00421	0.00500	0.00343	0.00387	0.00450	0.00420
Mclver	0.00174	0.00294	0.00214	0.00236	0.00147	0.00213
End-of-Line	0.00158	0.00163	0.00086	0.00442	0.00119	0.00194
Bulk Water Station	0.00569	0.00191	0.00225	0.00643	0.00497	0.00425

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