

CITY OF WEST KELOWNA

Monthly Water Quality Report



Rose Valley Water Service Area

July 2025

WATER SUPPLY AND TREATMENT





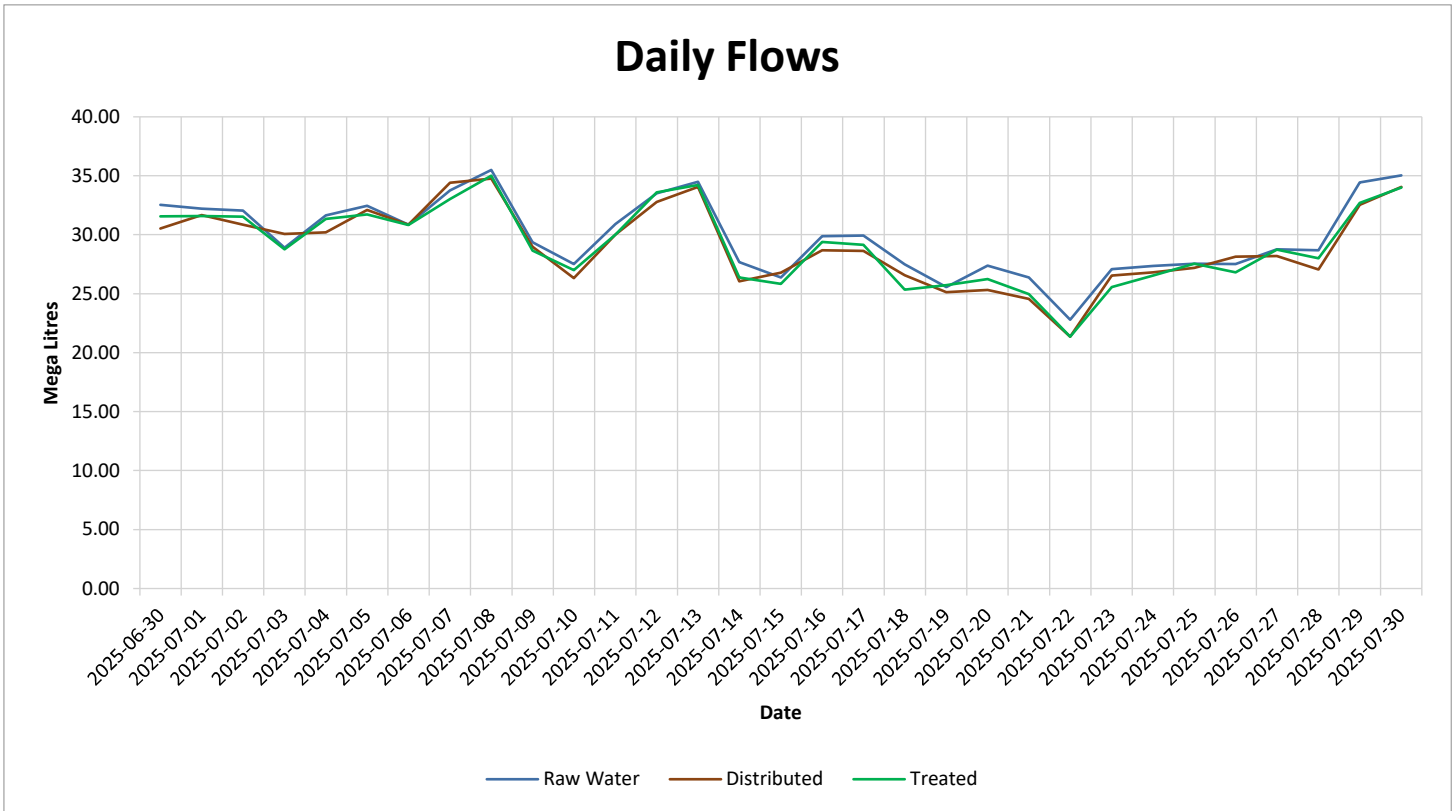
Rose Valley Water Treatment Plant Monthly Water Quality Summary

2025-08-08

July, 2025

Flow Demand:

	Total for Month
Raw Processed Water:	925.48 ML
Treated Water :	903.07 ML
Distributed Water :	901.14 ML
Backwash Water :	33.51399 ML



Notes:

Raw Water Specifications:

Date	Raw Turbidity (NTU)			Raw pH		
	Min	Max	Average	Min	Max	Average
2025-07-01	0.91	26.24	1.21	7.95	8.17	8.06
2025-07-02	0.82	41.85	1.36	7.39	8.29	7.92
2025-07-03	1.12	26.69	1.59	7.87	8.38	8.04
2025-07-04	0.75	66.79	1.20	7.92	8.18	8.03
2025-07-05	0.78	21.69	1.06	7.93	8.14	8.01
2025-07-06	1.01	90.01	1.40	7.99	8.34	8.12
2025-07-07	0.62	25.75	1.02	7.96	8.13	8.05
2025-07-08	0.59	8.30	1.01	7.95	8.19	8.05
2025-07-09	0.39	299.21	1.49	7.96	8.49	8.09
2025-07-10	0.02	1420.96	2.00	7.63	8.52	8.16
2025-07-11	0.87	29.92	2.25	8.01	8.35	8.16
2025-07-12	1.16	32.98	1.68	7.97	8.33	8.09
2025-07-13	0.94	41.39	1.21	7.84	8.13	8.02
2025-07-14	1.04	35.20	1.63	7.76	8.32	7.97
2025-07-15	0.93	165.07	1.96	7.83	8.24	8.00
2025-07-16	0.83	31.91	2.07	7.91	8.53	7.98
2025-07-17	0.78	45.21	1.44	7.88	8.63	8.05
2025-07-18	0.77	40.58	1.13	7.94	8.16	8.07
2025-07-19	0.43	50.54	0.84	7.95	8.18	8.07
2025-07-20	0.57	223.93	1.20	7.92	8.44	8.16
2025-07-21	1.00	24.06	1.48	7.95	8.15	8.03
2025-07-22	0.79	59.22	1.24	7.61	8.08	7.88
2025-07-23	1.06	39.34	1.50	7.88	7.99	7.94
2025-07-24	1.13	201.72	1.95	7.72	8.26	7.94
2025-07-25	1.62	90.59	2.19	7.75	8.47	8.08
2025-07-26	1.28	265.53	1.96	7.89	8.33	8.10
2025-07-27	1.36	110.54	1.94	7.81	8.05	7.93
2025-07-28	1.14	18.45	1.95	7.84	8.22	8.03
2025-07-29	0.00	68.03	1.51	7.83	8.21	7.93
2025-07-30	0.00	33.60	1.77	7.83	8.03	7.93
2025-07-31	0.00	38.59	2.14	7.83	8.01	7.92

Notes:

Raw Water Specifications (Continued):

Date	Raw Temp (°C)			Raw DOC (mg/L)		
	Min	Max	Average	Min	Max	Average
2025-07-01	17.81	20.21	18.16	9.47	11.62	10.48
2025-07-02	17.73	23.28	18.79	9.23	13.04	10.66
2025-07-03	17.74	18.84	18.11	8.84	11.72	10.67
2025-07-04	17.94	18.79	18.15	9.08	14.07	10.47
2025-07-05	18.13	18.61	18.26	9.33	12.21	10.42
2025-07-06	17.88	19.75	18.39	8.45	14.07	10.53
2025-07-07	18.38	18.59	18.46	9.23	13.09	10.41
2025-07-08	18.48	19.07	18.70	9.47	11.62	10.38
2025-07-09	18.51	19.26	18.74	8.74	13.82	10.52
2025-07-10	18.61	20.25	19.01	0.00	41.66	10.33
2025-07-11	17.91	19.96	18.94	8.60	13.04	10.38
2025-07-12	18.99	20.03	19.31	5.23	14.02	10.54
2025-07-13	19.19	20.05	19.58	7.42	16.07	10.32
2025-07-14	18.90	20.35	19.39	9.08	15.24	10.39
2025-07-15	19.00	19.46	19.18	4.59	20.66	10.42
2025-07-16	19.17	20.14	19.42	7.91	15.82	10.73
2025-07-17	19.31	20.43	19.53	8.74	23.69	10.44
2025-07-18	19.54	19.99	19.67	8.35	22.03	10.41
2025-07-19	19.43	19.88	19.67	6.64	120.34	10.41
2025-07-20	19.38	19.88	19.67	0.15	120.34	10.41
2025-07-21	19.66	25.32	19.78	8.69	13.77	11.09
2025-07-22	19.40	20.83	19.81	6.54	15.97	12.39
2025-07-23	19.72	20.09	19.93	12.80	15.63	13.89
2025-07-24	19.72	20.21	19.99	7.77	21.54	14.33
2025-07-25	19.72	20.58	20.11	11.14	21.29	14.48
2025-07-26	19.91	20.60	20.20	10.55	120.24	14.30
2025-07-27	19.90	20.89	20.30	10.50	120.34	14.58
2025-07-28	19.98	21.73	20.31	11.28	120.34	14.39
2025-07-29	20.11	21.35	20.34	13.04	19.34	14.24
2025-07-30	20.26	20.40	20.33	13.43	17.19	15.12
2025-07-31	20.31	22.39	20.53	14.26	20.32	17.19

Notes:

Raw Water Specifications (Continued):

Date	Raw Cond R ($\mu\text{S}/\text{cm}$)			Streaming Current		
	Min	Max	Average	Min	Max	Average
2025-07-01	203.00	208.11	205.65	-247.50	47.25	-30.93
2025-07-02	203.86	208.52	206.07	-182.05	16.73	-27.33
2025-07-03	204.83	209.69	207.29	-88.52	5.98	-43.85
2025-07-04	203.05	209.53	207.62	-159.10	3.30	-41.18
2025-07-05	205.48	209.24	207.27	-87.55	8.67	-45.33
2025-07-06	203.38	208.04	206.34	-92.92	8.91	-48.49
2025-07-07	204.72	208.84	206.49	-199.39	7.69	-34.51
2025-07-08	204.04	208.54	206.17	-62.15	5.25	-36.10
2025-07-09	203.42	208.69	206.53	-185.71	1.10	-54.93
2025-07-10	131.13	213.52	169.55	-221.86	132.23	-47.27
2025-07-11	140.60	206.14	184.95	-184.49	42.61	-44.68
2025-07-12	201.77	205.11	203.41	-79.24	20.39	-32.12
2025-07-13	201.19	204.68	202.91	-45.30	25.52	-21.78
2025-07-14	200.63	205.35	203.34	-129.55	126.13	-21.63
2025-07-15	201.44	204.92	203.05	-59.71	29.91	-29.41
2025-07-16	200.26	204.79	202.40	-186.20	6.47	-33.58
2025-07-17	199.69	204.33	202.36	-124.18	9.89	-35.36
2025-07-18	197.49	203.75	201.94	-153.24	16.00	-28.76
2025-07-19	199.15	203.25	201.29	-72.41	6.47	-44.08
2025-07-20	198.40	202.72	200.68	-88.03	13.06	-54.32
2025-07-21	169.75	202.92	200.94	-189.87	-5.01	-51.21
2025-07-22	155.94	203.13	201.19	-73.14	1.59	-47.16
2025-07-23	198.94	203.28	201.02	-130.28	-0.12	-35.91
2025-07-24	199.45	203.53	201.43	-92.92	-20.63	-57.28
2025-07-25	200.23	204.96	202.38	-201.83	-34.55	-79.66
2025-07-26	200.27	205.13	202.21	-139.80	-51.89	-89.51
2025-07-27	200.69	204.36	202.44	-97.80	-49.45	-71.94
2025-07-28	200.38	205.67	202.70	-195.24	-10.38	-65.58
2025-07-29	200.66	205.93	203.31	-265.81	117.83	-50.41
2025-07-30	197.26	205.10	200.78	-78.02	-21.12	-45.34
2025-07-31	134.57	200.95	164.69	-156.17	-3.05	-38.95

Notes:

Raw Water Specifications (Continued):

Date	Coagulated pH			Coagulated Temp (°C)		
	Min	Max	Average	Min	Max	Average
2025-07-01	7.07	7.79	7.23	17.48	17.93	17.56
2025-07-02	7.08	7.31	7.19	17.41	18.31	17.70
2025-07-03	7.08	7.35	7.19	17.62	18.68	17.96
2025-07-04	7.08	7.40	7.19	17.81	18.20	18.01
2025-07-05	7.13	7.24	7.19	17.97	18.51	18.11
2025-07-06	7.13	7.35	7.24	18.14	18.60	18.28
2025-07-07	7.11	7.37	7.20	18.27	18.55	18.36
2025-07-08	7.13	7.25	7.20	18.34	18.82	18.49
2025-07-09	7.12	7.57	7.24	18.30	19.13	18.55
2025-07-10	6.91	7.82	7.26	18.19	18.99	18.70
2025-07-11	7.17	7.38	7.26	18.61	18.83	18.71
2025-07-12	7.16	7.36	7.23	18.67	19.01	18.80
2025-07-13	7.13	7.25	7.20	18.76	18.98	18.88
2025-07-14	6.72	7.56	7.16	18.85	19.42	19.03
2025-07-15	7.04	7.27	7.16	18.93	19.39	19.13
2025-07-16	7.09	7.47	7.16	19.11	19.98	19.25
2025-07-17	7.08	7.61	7.19	18.80	20.13	19.37
2025-07-18	7.06	7.32	7.17	19.41	19.62	19.53
2025-07-19	7.08	7.25	7.19	19.46	19.72	19.58
2025-07-20	7.06	7.40	7.25	19.51	19.78	19.64
2025-07-21	7.12	7.45	7.19	19.13	20.16	19.69
2025-07-22	7.11	7.35	7.23	19.19	19.81	19.71
2025-07-23	7.27	7.37	7.32	18.67	19.94	19.45
2025-07-24	7.21	7.35	7.27	19.09	19.81	19.44
2025-07-25	7.12	7.21	7.16	19.21	19.47	19.35
2025-07-26	7.06	7.12	7.09	19.00	19.46	19.24
2025-07-27	7.03	7.06	7.05	19.12	19.42	19.29
2025-07-28	7.01	7.03	7.02	19.08	19.73	19.41
2025-07-29	6.92	7.64	7.22	19.26	20.17	19.92
2025-07-30	7.29	7.37	7.33	19.69	20.27	20.19
2025-07-31	7.25	7.34	7.30	19.96	20.73	20.23

Notes:

Raw Water Specifications (Continued):

Date	Raw Cond Y ($\mu\text{S}/\text{cm}$)			Raw Water DO (mg/L)		
	Min	Max	Average	Min	Max	Average
2025-07-01	188.83	202.45	191.10	5.99	7.59	7.12
2025-07-02	9.28	205.98	191.89	2.80	7.77	6.45
2025-07-03	18.85	194.12	191.28	6.08	8.07	6.81
2025-07-04	18.42	192.61	191.42	6.37	7.07	6.77
2025-07-05	191.99	194.36	192.75	6.20	7.01	6.64
2025-07-06	192.81	194.57	193.49	6.33	7.68	6.89
2025-07-07	12.69	195.02	193.29	6.10	6.85	6.59
2025-07-08	194.35	197.87	195.33	6.02	6.98	6.51
2025-07-09	17.33	197.69	195.26	5.94	8.17	6.53
2025-07-10	13.36	198.62	190.61	5.91	8.71	6.77
2025-07-11	16.70	197.18	195.62	5.99	7.09	6.52
2025-07-12	196.63	198.54	197.75	5.68	7.05	6.26
2025-07-13	197.86	201.65	198.70	5.14	6.35	5.95
2025-07-14	104.66	212.01	201.02	4.04	7.22	5.56
2025-07-15	92.09	200.64	199.19	5.11	6.54	5.81
2025-07-16	24.83	201.65	199.88	5.13	7.78	5.51
2025-07-17	65.29	202.30	200.47	5.10	8.40	5.73
2025-07-18	79.32	202.84	201.50	4.73	5.98	5.53
2025-07-19	200.93	202.35	201.59	4.93	6.08	5.54
2025-07-20	200.36	202.75	201.42	4.82	7.50	5.87
2025-07-21	29.15	203.28	201.72	4.78	5.79	5.19
2025-07-22	84.39	210.02	202.87	3.80	5.28	4.62
2025-07-23	38.84	204.13	202.90	4.46	6.16	4.71
2025-07-24	32.09	204.10	202.49	3.74	6.22	4.82
2025-07-25	33.40	205.22	202.62	4.10	7.05	5.28
2025-07-26	202.06	203.52	202.72	4.31	6.05	5.24
2025-07-27	202.59	204.68	203.49	4.07	5.21	4.65
2025-07-28	22.11	204.53	202.95	4.21	5.74	4.97

Notes:

Raw Water Specifications (Continued):

Date	Raw Manganese (ppm)		
	Min	Max	Average
2025-07-01	0.00	0.00	0.00
2025-07-02	0.00	0.00	0.00
2025-07-03	0.00	0.03	0.01
2025-07-04	0.00	0.01	0.00
2025-07-05	???	0.02	0.00
2025-07-06	0.00	0.01	0.00
2025-07-07	???	???	0.01
2025-07-08	???	0.03	0.01
2025-07-09	0.00	0.05	0.01
2025-07-10	0.00	0.03	0.00
2025-07-11	0.00	0.03	0.01
2025-07-12	0.00	0.02	0.01
2025-07-13	0.00	0.00	0.00
2025-07-14	0.00	0.02	0.01
2025-07-15	0.00	0.01	0.00
2025-07-16	0.00	0.01	0.00
2025-07-17	0.00	0.10	0.00
2025-07-18	0.00	0.03	0.01
2025-07-19	0.00	0.02	0.01
2025-07-20	0.00	0.02	0.01
2025-07-21	0.00	0.18	0.06
2025-07-22	0.00	0.13	0.07
2025-07-23	0.12	0.24	0.17
2025-07-24	0.12	???	0.17
2025-07-25	0.12	0.19	0.15
2025-07-26	0.13	0.17	0.14
2025-07-27	0.16	0.19	0.17
2025-07-28	0.12	0.22	0.18
2025-07-29	0.12	0.23	0.15
2025-07-30	0.09	0.19	0.15
2025-07-31	0.19	0.35	0.25

Notes:

Days where values show ??? are days where analyzer was serviced

Train 1 Filter Turbidity (NTU):

Date	Filter 1			Filter 2			Filter 3		
	Min	Max	Average	Min	Max	Average	Min	Max	Average
2025-07-01	0.01	0.02	0.01	0.01	0.13	0.02	0.01	0.04	0.01
2025-07-02	0.01	0.14	0.02	0.01	0.02	0.01	0.01	0.14	0.02
2025-07-03	0.01	0.03	0.01	0.01	0.14	0.02	0.01	0.04	0.01
2025-07-04	0.01	0.13	0.02	0.01	0.02	0.01	0.01	0.11	0.01
2025-07-05	0.01	0.11	0.01	0.01	0.13	0.01	0.01	0.02	0.01
2025-07-06	0.01	0.02	0.01	0.01	0.02	0.01	0.01	0.12	0.01
2025-07-07	0.01	0.13	0.01	0.01	0.13	0.02	0.01	0.11	0.01
2025-07-08	0.01	0.02	0.01	0.01	0.14	0.01	0.01	0.02	0.01
2025-07-09	0.01	0.12	0.01	0.01	0.02	0.01	0.01	0.12	0.01
2025-07-10	0.01	0.02	0.01	0.01	0.10	0.02	0.01	0.04	0.01
2025-07-11	0.01	0.25	0.01	0.01	0.03	0.02	0.01	0.12	0.01
2025-07-12	0.01	0.12	0.02	0.01	0.03	0.02	0.01	0.02	0.01
2025-07-13	0.01	0.03	0.01	0.01	0.04	0.02	0.01	0.11	0.02
2025-07-14	0.01	0.11	0.02	0.01	0.10	0.02	0.01	0.02	0.01
2025-07-15	0.01	0.03	0.01	0.01	0.02	0.02	0.01	0.12	0.02
2025-07-16	0.01	0.04	0.01	0.01	0.03	0.01	0.01	0.18	0.02
2025-07-17	0.01	0.14	0.02	0.01	0.04	0.01	0.01	0.13	0.02
2025-07-18	0.01	0.14	0.02	0.01	0.11	0.01	0.01	0.14	0.02
2025-07-19	0.01	0.03	0.02	0.01	0.03	0.01	0.01	0.02	0.02
2025-07-20	0.01	0.16	0.02	0.01	0.12	0.02	0.01	0.14	0.02
2025-07-21	0.01	0.14	0.02	0.01	0.11	0.02	0.01	0.04	0.02
2025-07-22	0.01	0.03	0.02	0.01	0.07	0.02	0.01	0.09	0.02
2025-07-23	0.01	0.02	0.02	0.01	0.03	0.02	0.01	0.03	0.02
2025-07-24	0.01	0.03	0.02	0.01	0.02	0.02	0.01	0.03	0.02
2025-07-25	0.01	0.03	0.02	0.01	0.03	0.02	0.01	0.05	0.02
2025-07-26	0.02	0.05	0.02	0.01	0.03	0.02	0.02	0.04	0.02
2025-07-27	0.02	0.08	0.02	0.01	0.03	0.02	0.02	0.04	0.03
2025-07-28	0.02	0.09	0.02	0.01	0.04	0.02	0.01	0.05	0.02
2025-07-29	0.02	0.05	0.02	0.01	0.03	0.02	0.01	0.04	0.02
2025-07-30	0.01	0.04	0.02	0.01	0.03	0.02	0.02	0.03	0.02
2025-07-31	0.02	0.04	0.02	0.02	0.04	0.02	0.02	0.05	0.02

Notes:

Train 2 Filter Turbidity (NTU)

Date	Filter 4			Filter 5			Filter 6		
	Min	Max	Average	Min	Max	Average	Min	Max	Average
2025-07-01	0.01	0.01	0.01	0.01	0.58	0.02	0.01	0.15	0.02
2025-07-02	0.01	0.01	0.01	0.01	0.03	0.01	0.01	0.14	0.02
2025-07-03	0.01	0.09	0.01	0.01	0.13	0.03	0.01	0.02	0.01
2025-07-04	0.01	0.01	0.01	0.01	0.06	0.01	0.01	0.12	0.02
2025-07-05	0.00	0.07	0.01	0.01	0.03	0.01	0.01	0.09	0.01
2025-07-06	0.00	0.01	0.01	0.01	0.13	0.01	0.01	0.02	0.01
2025-07-07	0.01	0.06	0.01	0.01	0.03	0.01	0.01	0.02	0.02
2025-07-08	0.01	0.06	0.01	0.01	0.13	0.01	0.01	0.02	0.01
2025-07-09	0.00	0.01	0.01	0.01	0.12	0.02	0.01	0.10	0.01
2025-07-10	0.01	0.06	0.01	0.00	0.07	0.02	0.01	0.02	0.01
2025-07-11	0.00	0.06	0.01	0.00	0.14	0.02	0.01	0.11	0.01
2025-07-12	0.01	0.02	0.01	0.00	0.03	0.01	0.01	0.11	0.01
2025-07-13	0.01	0.06	0.01	0.01	0.12	0.02	0.01	0.02	0.01
2025-07-14	0.01	0.06	0.01	0.01	0.12	0.02	0.01	0.11	0.02
2025-07-15	0.01	0.01	0.01	0.01	0.13	0.02	0.01	0.03	0.01
2025-07-16	0.01	0.06	0.01	0.01	0.03	0.02	0.01	0.11	0.02
2025-07-17	0.01	0.06	0.01	0.01	0.14	0.02	0.01	0.12	0.02
2025-07-18	0.01	0.04	0.01	0.01	0.14	0.02	0.01	0.12	0.02
2025-07-19	0.01	0.01	0.01	0.01	0.04	0.02	0.01	0.12	0.02
2025-07-20	0.01	0.01	0.01	0.01	0.15	0.02	0.01	0.13	0.02
2025-07-21	0.01	0.06	0.01	0.01	0.15	0.02	0.01	0.09	0.02
2025-07-22	0.01	0.02	0.01	0.01	0.09	0.02	0.01	0.04	0.02
2025-07-23	0.01	0.01	0.01	0.01	0.05	0.02	0.01	0.05	0.02
2025-07-24	0.01	0.02	0.01	0.01	0.03	0.02	0.01	0.03	0.02
2025-07-25	0.01	0.01	0.01	0.02	0.03	0.02	0.01	0.02	0.02
2025-07-26	0.01	0.03	0.01	0.02	0.05	0.02	0.01	0.04	0.02
2025-07-27	0.01	0.03	0.01	0.02	0.04	0.02	0.01	0.07	0.02
2025-07-28	0.01	0.02	0.01	0.02	0.06	0.02	0.01	0.06	0.02
2025-07-29	0.01	0.01	0.01	0.02	0.04	0.02	0.01	0.04	0.02
2025-07-30	0.01	0.02	0.01	0.02	0.04	0.02	0.01	0.03	0.02
2025-07-31	0.01	0.04	0.01	0.02	0.04	0.03	0.02	0.04	0.02

Notes:

July 1st Filter 5 High Turbidity during filter to waste cycle (higher turbidity water not being sent to distribution)

UV Treatment:

Date	Average Flow (L/s)	Avg Validated Dose (mj/cm2)	Undosed Flow (ML)
2025-07-01	372.81	19.75	0.2389
2025-07-02	343.44	21.04	0.0000
2025-07-03	354.29	19.17	0.0000
2025-07-04	376.91	19.34	0.0000
2025-07-05	363.84	19.17	0.0000
2025-07-06	386.92	19.16	0.0000
2025-07-07	413.91	18.55	0.0000
2025-07-08	372.78	18.09	0.0000
2025-07-09	300.33	17.90	0.0000
2025-07-10	354.43	19.13	0.0000
2025-07-11	389.20	18.82	0.0000
2025-07-12	395.04	18.90	0.0000
2025-07-13	349.20	19.47	0.0000
2025-07-14	290.71	20.72	0.0000
2025-07-15	345.68	19.12	0.0000
2025-07-16	340.11	19.38	0.0000
2025-07-17	335.99	20.93	0.0000
2025-07-18	306.04	19.98	0.0000
2025-07-19	301.86	19.56	0.0000
2025-07-20	303.63	20.39	0.0000
2025-07-21	265.72	20.51	0.0000
2025-07-22	301.90	20.72	0.0000
2025-07-23	333.23	18.64	0.0000
2025-07-24	317.06	18.86	0.0000
2025-07-25	338.54	17.81	0.0000
2025-07-26	334.17	18.07	0.0000
2025-07-27	307.56	18.60	0.0000
2025-07-28	392.65	17.11	0.0000
2025-07-29	420.47	17.27	0.1257
2025-07-30	366.21	19.01	0.0000
2025-07-31	328.57	20.05	0.0000

Monthly Total (ML):

0.3646

% of monthly water that was not UV treated:

0.040%

Notes:

UV Transmittance %:

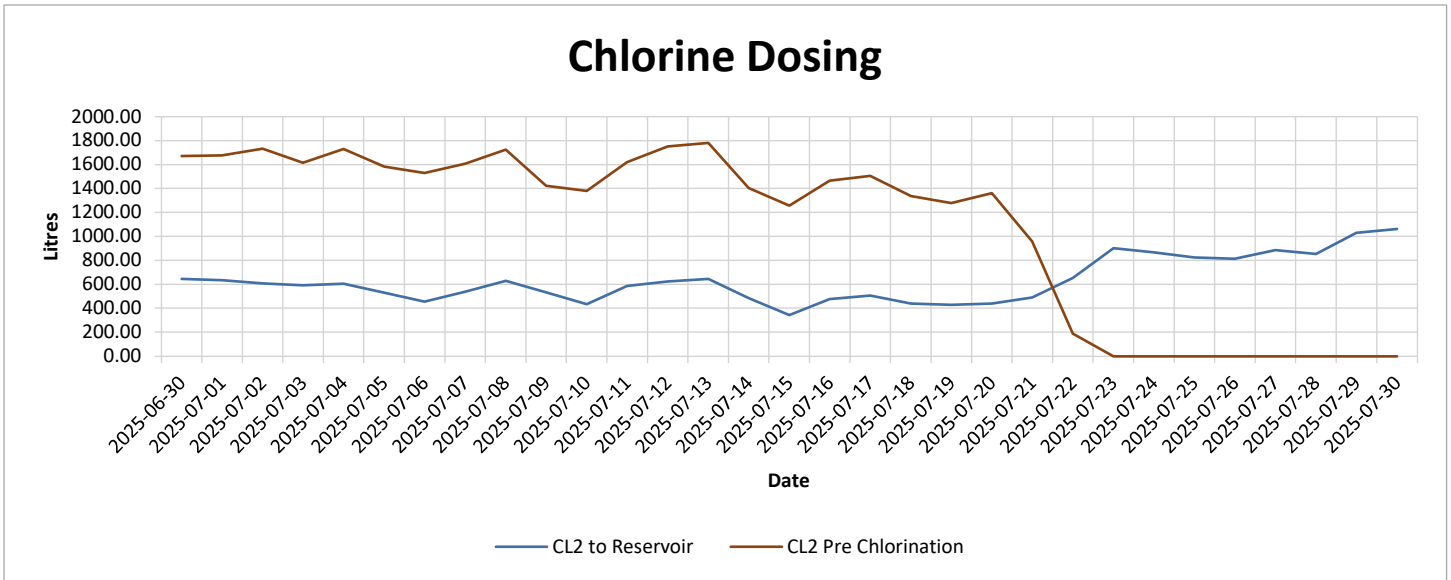
Date	Min	Max	Average
2025-07-01	88.08	90.01	89.19
2025-07-02	88.25	89.94	89.21
2025-07-03	87.89	89.40	88.74
2025-07-04	87.64	89.60	88.79
2025-07-05	87.67	89.84	88.80
2025-07-06	87.52	88.91	88.35
2025-07-07	87.91	89.35	88.60
2025-07-08	87.52	89.16	88.57
2025-07-09	86.37	89.28	88.12
2025-07-10	86.74	88.86	88.03
2025-07-11	87.55	89.28	88.30
2025-07-12	87.35	89.52	88.52
2025-07-13	87.79	89.40	88.79
2025-07-14	87.06	89.69	88.72
2025-07-15	87.47	89.30	88.47
2025-07-16	87.03	89.30	88.34
2025-07-17	85.91	89.11	88.21
2025-07-18	87.18	89.16	88.34
2025-07-19	87.16	88.62	88.03
2025-07-20	86.98	88.79	87.78
2025-07-21	87.06	88.79	87.91
2025-07-22	86.57	88.25	87.45
2025-07-23	78.10	88.25	87.29
2025-07-24	84.64	91.21	87.13
2025-07-25	52.84	90.26	87.81
2025-07-26	83.35	90.21	87.53
2025-07-27	86.62	89.11	87.93
2025-07-28	84.74	90.06	87.91
2025-07-29	87.03	89.52	88.36
2025-07-30	86.94	89.89	88.65
2025-07-31	87.55	89.89	88.94

Notes:

Chemical Demand:

Chlorine Used:

Total for Month
53108.36 Litres

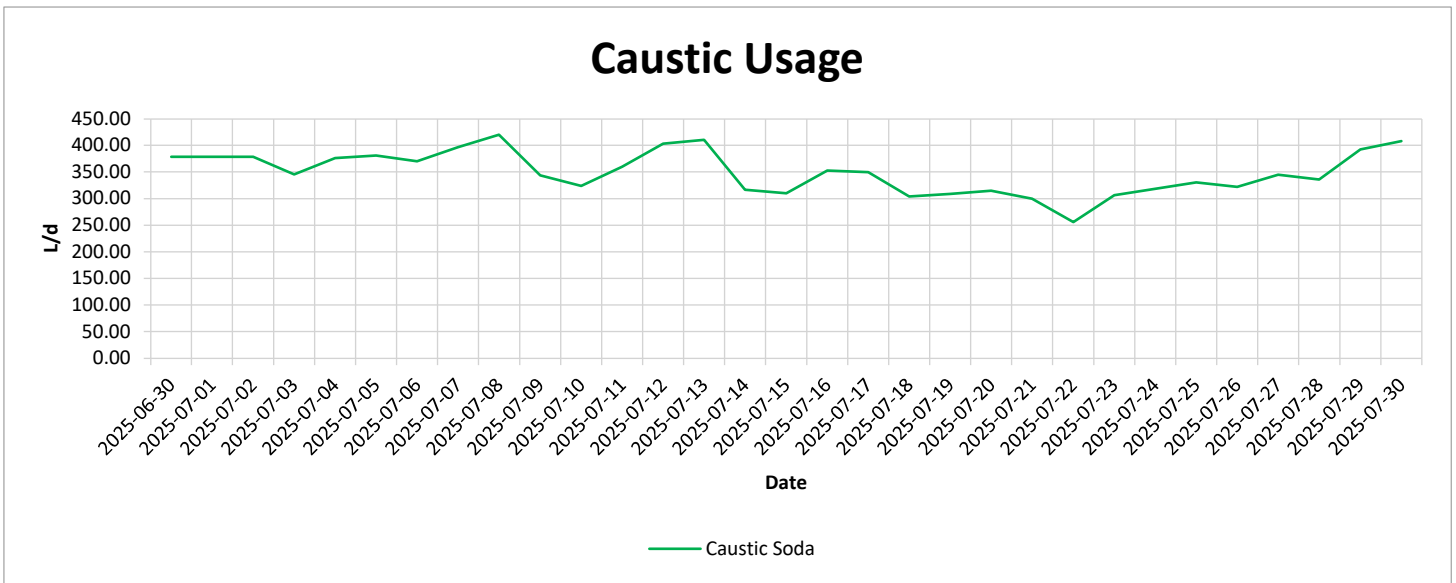


Notes:

July 22nd - Pre-Chlorination turned off.

Casutic Soda Used:

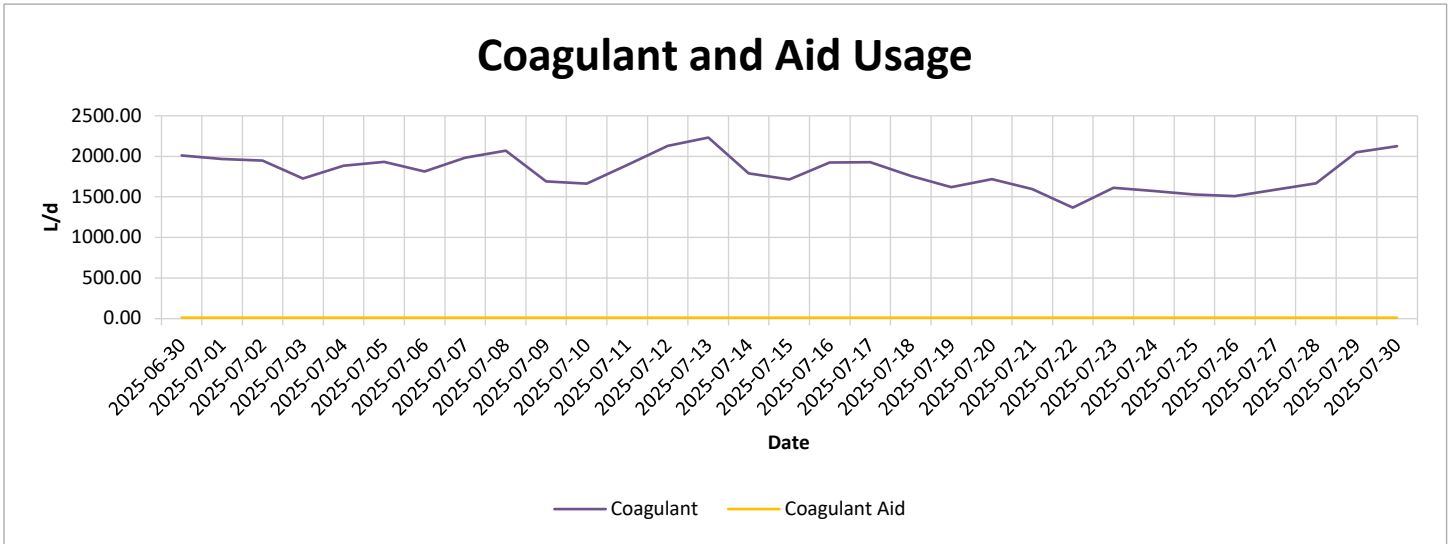
Total for Month
10835.50 Litres



Notes:

Coagulant Used:
Coagulant Aid Used:

Total for Month
 56016.35 Litres
 296.57 Litres



Notes:

Polymer @ .2% Concentration:

Total for Month
 238344.52 Litres

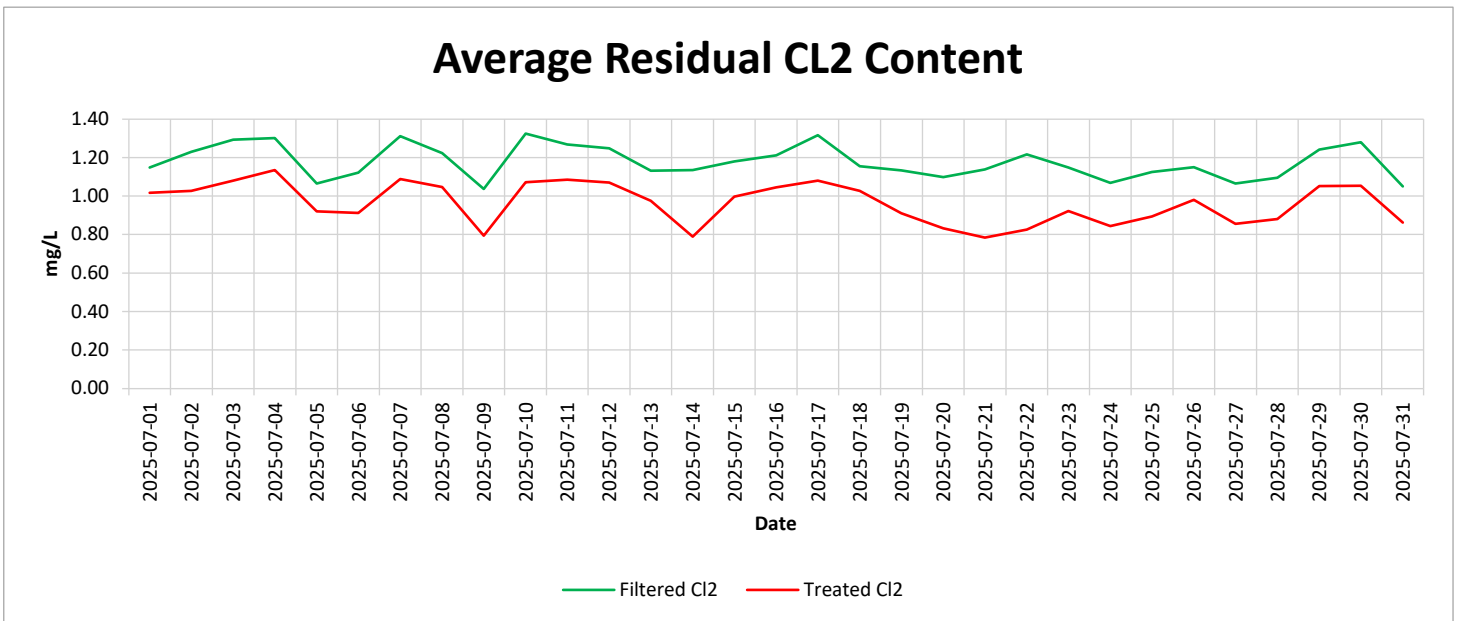
Polymer @ .5% Concentration:

Total for Month
 178140.99 Litres

Chlorine Dose

Filtered Water Residual Cl₂ Average (mg/L): 1.18 mg/L

Treated Water (Distributed) Cl₂ Average (mg/L): 0.96 mg/L



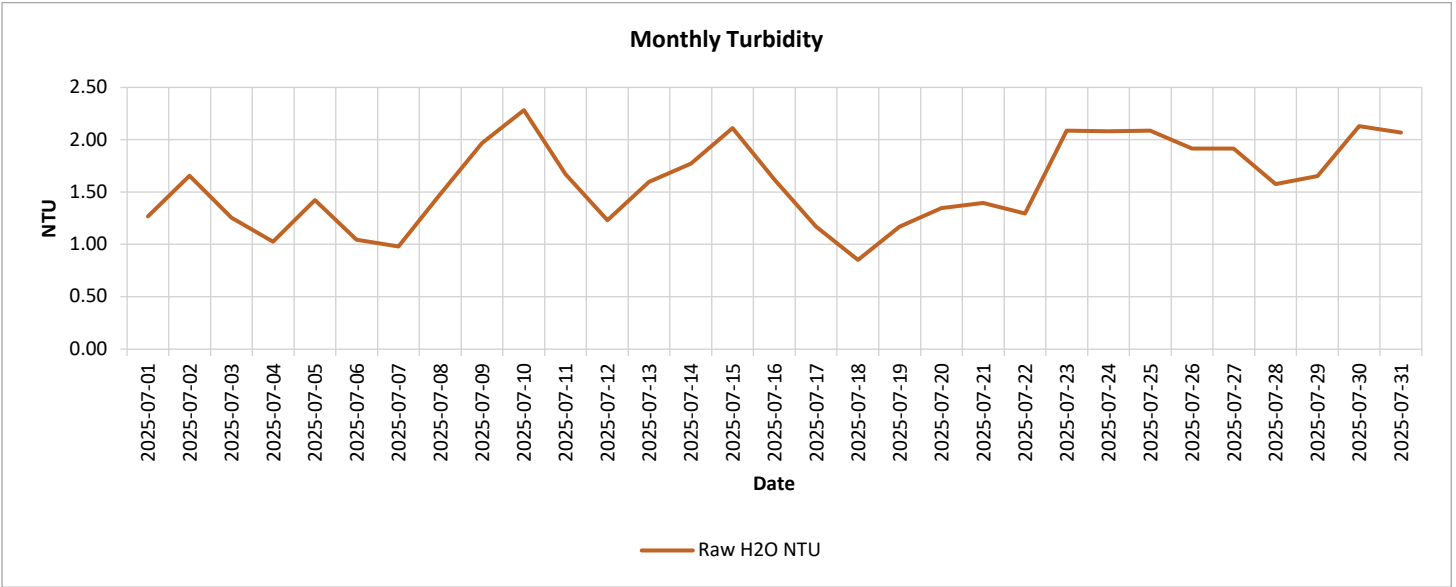
Water Quality Analytics:

Turbidity

Raw Water Monthly Average:

1.58

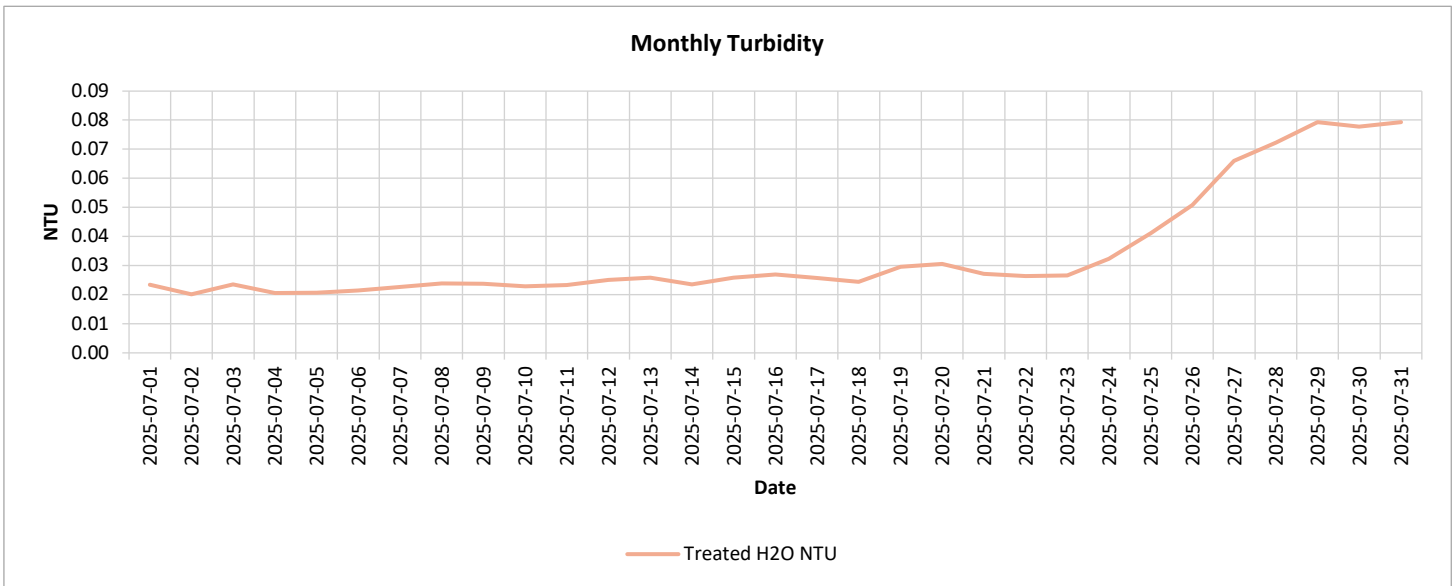
NTU



Treated Water Monthly Average:

0.03

NTU



Notes:

Slight increase in turbidity leaving the treated water reservoir at the end of the month due to pre-chlorination being turned off.

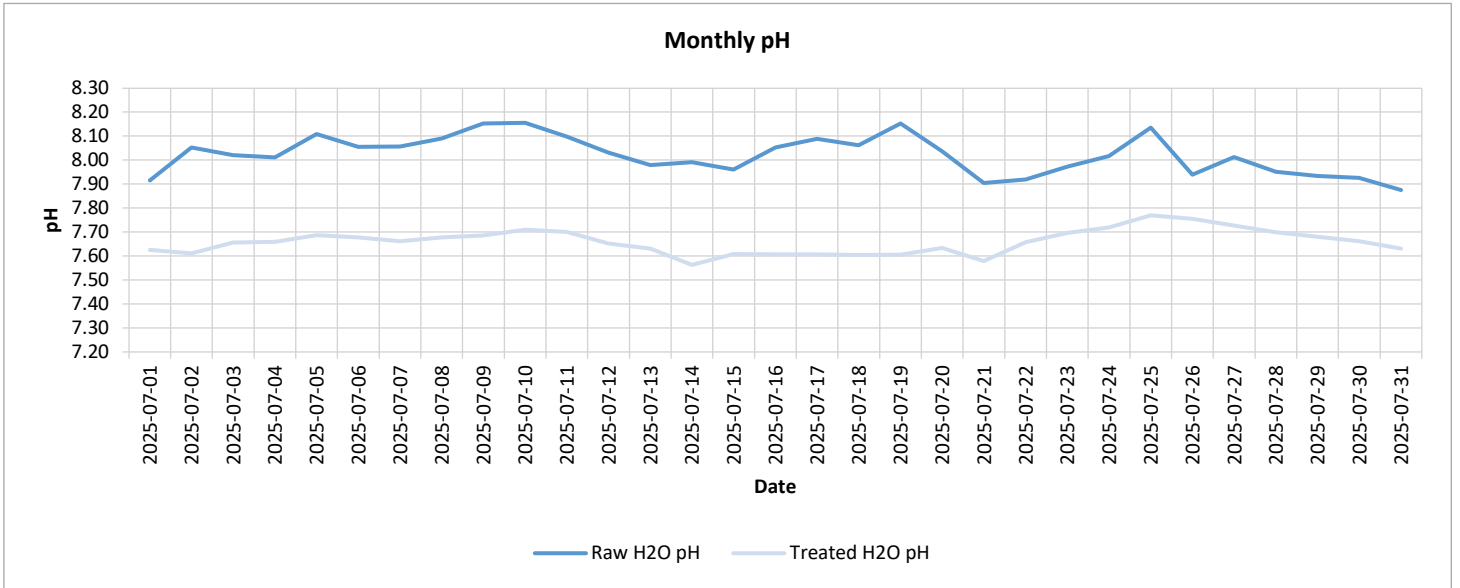
pH

Raw Water Monthly Average:

8.02 pH

Treated Water Monthly Average:

7.66 pH



Notes:

Rose Valley WTP Operational Highlights:

July 1st - Power bump caused shutdown of plant. No issues with startup.
July 7th - Replaced fitting on Hypo pump P-755.
July 8th - Received Sodium Hypochlorite delivery.
July 10th - Increased CL2 Pre-Chlorination 3.75 to 4.00 mg/L.
July 14th - increased CL2 Pre-Chlorination 4.00 to 4.25 mg/L.
July 17th - Received Coagulant delivery.
July 18th - Replaced pump head on hypo pump P-750.
July 21st - Sodium Permanganate system put online at 0.30mg/L.
July 22nd - Turned off Pre-Chlorination. Received Sodium Hypochlorite delivery. Increased Sodium Permanganate dose 0.30 to 0.35 mg/L.
July 23rd - Increased Sodium Permanganate dose 0.35 to 0.45 mg/L.
July 24th - Cleaned and recalibrated filtered water UV transmittance analyzer.
July 30th - Increased Sodium Permanganate dose 0.45 to 0.80 mg/L. Filtered water pump P450 failure due to electrical malfunction, part replaced and back in service.
July 31st - Increased Sodium Permanganate dose 0.80 to 1.2 mg/L

Rose Valley Watershed Operational Highlights:

Ongoing dam maintenance though out the month of July

Rose Valley

Weekly Dam inspection

Jul 2nd 596.83m Ran generator and completed Piezometers

Jul 31st 596.4m

Esperon

Jul 9th Dam inspection Full and spilling

Jul 15th Dam inspection Full and spilling

Jul 22nd Opened low level outlet 6"

Bighorn

Weekly Dam inspections

Jul 2nd 1357.4m opened low level outlet to 1st notch

Jul 9th 1357.35m increased flow to 2nd notch

Jul 21st completed Piezometers

Jul 30th 1356.55m increased flow to 3rd notch

BCI/Rotork

Rotork is still opened to 15%

Maintained good fish flow and 1" minimum over last tier for all of July by opening and monitoring Bighorn Dam

Definitions:

CL2 to Reservoir: Chlorine that is injected post Filtered Water Pumps into the 1050mm Main up to the onsite reservoir

CL2 to Distribution: Chlorine that is injected in the meter chamber to top up residual heading to Distribution if necessary.

Undosed Flow: Water that has gone through the UV reactor that cannot be verified the target dose has been reached.

Filtered Water Residual: Filtered water that leaves the plant and heads to the onsite treated water reservoir

Treated Water Residual: Treated water residual that is tested in the meter vault before it leaves site and heads to distribution.

Setpoint to set filter offline and trigger backwash = **0.25 NTU**

WATER DISTRIBUTION



Rose Valley Water Service Area - Distribution System Monitoring

July 2025

Water Quality Data Review

- Based on the Rose Valley Water Service Area Distribution System grab-sample data, it appears the results for free chlorine residual (FCR), turbidity and bacteriological have met the Water Quality Objectives during the month of July.
- July Bacteriological Sampling Summary:
 - 23 samples to CARO for analysis
 - 49 samples analyzed in-house at RWWT
 - All bacteriological sample results appear to have indicated <1 CFU/100mL for Total Coliforms and <1 CFU/100mL for E.coli.
- July 3, 2025 – Blackwood Pump Station
 - Online FCR analyzer calibration adjustment of 0.52mg/L increase.
 - Online pH analyzer was adjusted by a 0.24 decreased.
- July 6, 2025 – Menu Pump Station
 - Power fail at the Menu pump station due to a blown fuse. The fuse was replaced and the station was returned into service.
 - Manual operation of the control valve to fill Menu and Mission Hill reservoirs due to a communication issue leading to low-levels in both reservoirs. During the manual operation of the valves, a temporary turbidity spike was registered on the turbidity trends due to the high flows.
 - One water quality complaint was received from a resident in the area and the reported discoloured water appeared to had cleared up after allowing the service line to flush. The nearby Mission Hill sample tap was indicated 0.81NTU at the time.
- July 7, 2025 – Upper Boucherie Reservoir
 - Each reservoir cell was dosed with sodium hypochlorite solution to increase the FCR 0.18mg/L to 0.38mg/L
- July 8, 2025 – Upper Boucherie Reservoir to Lower Boucherie Reservoir back feed performed
 - LBR was filled from 55% to 70% via the UBR.
 - After back feed, a pump run was initiated to fill the UBR from 48% to 70%.
 - To further improve water age management in the UBR the Viognier PRV bypass setting was adjusted to 42 outlet PSI which allowed for flow of approximately 4 L/s through the station.
- July 9, 2025 – Tallus Ridge Reservoir
 - In effort to improve water age conditions in the reservoir, the level was drawn down then replenished with fresh water.
- July 10, 2025 – Tallus Ridge Reservoir
 - Dosed the reservoir with sodium hypochlorite solution to raise the FCR in reservoir from 0.22mg/L to 0.42mg/L
- July 20, 2025 – Blackwood Pump Station

- A low alarm inlet FCR analyzer resulted in a pump being started at the BWPS. During the pump run the turbidity level spiked above 1 NTU for a short period of time before returning below 1 NTU.
- July 21, 2025 – Boucherie Pump Station
 - Calibrated FCR analyzer resulting in a 0.13mg/L decrease in residual reading.
- July 24, 2025 – Rosewood Pump Station – During a generator on-load test the free chlorine analyzer experienced a power flicker which resulted in a spike in the FCR reading.
 - A new UPS is to be installed which will prevent power cycles on the analyzer going forward.
- July 28, 2025 – Upper Boucherie Reservoir
 - Online chlorine analyzer adjusted by 0.42mg/L increase.
- July 31, 2025 – Boucherie Reservoir
 - Online chlorine analyzer adjusted by 0.64mg/L decrease.
 - Online pH analyzer adjusted by 0.24 pH decrease.
 -

Operational System Improvements/Events

- July 2, 2025 – Service line repaired at 2210 Boucherie Rd.
- July 4/5, 2025 – Service line repaired at 1060 Devon Rd.
- July 9/10/14/15, 2025 – Lakeview Cove PS – Pumps were turned off while Unidirectional Flushing crew were flushing lines in the area. Pumps were put back into auto by end of each day.
- July 16, 2025 – Flushing activities concluded in Zone RV 3A and started in Zone RV 3C and 3D.
 - WQA in Zone RV 3A started June 25th ending July 15th
 - WQA in Zone RV 3B started July 16th
 - Mapping: [Water Systems and Advisories](#)
 - Website Updates: [Watermain Flushing - City of West Kelowna](#)
- July 17, 2025 – Lakeview Cove Reservoir and PRV
 - LVC Res triggered a low-level alarm with both lead and lag pumps running at the pump station, but reservoir was not filling. The LVC PRV was open and flowing because of high demand in PZ-597 due to Menu, Mission Hill, UBR, LBR, and Blackwood reservoir all filling simultaneously in addition to irrigation flows.
 - When LVC PRV is open the pumps at LVC PS recirculate water through the PRV instead of filling the reservoir. The PRV outlet was isolated via mainline valves to allow reservoir to fill.
 - LVC PRV outlet setpoints were lowered by 6 psi later in the day and isolation valve re-opened. Station was silent when valve was opened and still quiet when lead pump at LVC PS was put into hand. New setpoint should prevent PRV from opening again during pump runs.
 - LVC Reservoir Low Level setpoint increased from 35% to 50%
- July 18, 2025 – Installed new sample tap at the end of Big Sky Dr for WQ monitoring in RV-PZ675
- July 20, 2025 – Pinewoods Pump Station
 - Pump 1 faulted due to no flow alarm. Operator attended to site and found that neither pump 1 or 2 would run in auto. Both pumps ran when put into hand. Suspect issue is due to a pressure/flow switch causing the pumps to fault.
 - Manually filled reservoir from 60% to 80% and left pumps in the off position to prevent any further faults. Continued to monitor reservoir level remotely.
- July 21, 2025 – Pinewoods Pump Station
 - Replaced the paddles on both P1 and P2 flow switches. Both Pump 1 and 2 returned to normal operation in auto control.

- July 22, 2025 – Boucherie Pump Station
 - Greased bearings on exhaust fan inside of pump station.
- July 23, 2025 – Repaired leak on 1” main at 1273 Marlyn Ct
- July 25, 2025 – Upper Tuscany PRV
 - Lowered setpoints on bypass and FF lines by 5 psi to clear high discharge pressure alarms at Tallus PRV 19A+B. With the adjustment, 19B began flowing a small amount of water which will improve water age in the pressure zone.
- July 25, 2025 – Replaced curb stop box and rod at 1540 Pritchard Dr
- July 25, 2025 – Rosewood Pump Station
 - UPS installed for analyzer at RWPS
 - It is anticipated that previous power disruptions to the online analysers during monthly generator testing that temporarily affected the readings will no longer take place.
- July 29, 2025 – Upper Boucherie Reservoir
 - Diving contractor cleaned both reservoir cells.

WQ Field and SCADA Data

Sampling Location Table:

Sample Name	Civic Address	Pressure Zone	WQ Sampling Rationale
Rosewood PS	1463 Rosewood Dr	597	Installed new online water quality analyzer at Rosewood PS and changed grab sample location from RV Trails to this new location to coincide and best represent as the "First Customer Sample" entering the RWWSA distribution network.
Menu PS	Adjacent to 1181 Menu Dr	597	Mid system water quality check. Water quality entering the Mission Hill, Sunnyside, Pritchard and Green Bay areas from dedicated main from treatment plant.
Blackwood PS	1551 Blackwood Dr	584	Mid system water quality check. Water quality entering the West Kelowna Estates area.
Thacker SS	3111 Thacker Dr	539	End system water quality check.
Upper Boucherie Res Outlet	Entry across from 1489 Cabernet Way	627	Mid system water quality check. Water quality entering the Sunnyside area.
Shannon Way SS	2240 Hihannah Dr	597	Mid system water quality check. Water quality for the Shannon Lake area.
Lower Horizon SS	2100 Horizon Dr	507	End system water quality check.
Pritchard SS	1599 Pritchard Dr	409	End system water quality check.
Vineyard View SS	Adjacent to 3284 Vineyard View Dr	588	Mid system water quality check. Location is after re-chlorination at the Upper Boucherie Reservoir. Replaced the Viognier PRV sample location.
Lakeview Cove PS	Adjacent to 3052 Lakeview Cove Rd	609	End system water quality check. Water quality distributed throughout Lakeview Heights area.

Note – the locations included in the monthly report are the samples that are tested regularly on a weekly basis but are 9 of 19 total grab sample locations taken throughout the system in the month.

PS = Pump Station

SS= Sample Station

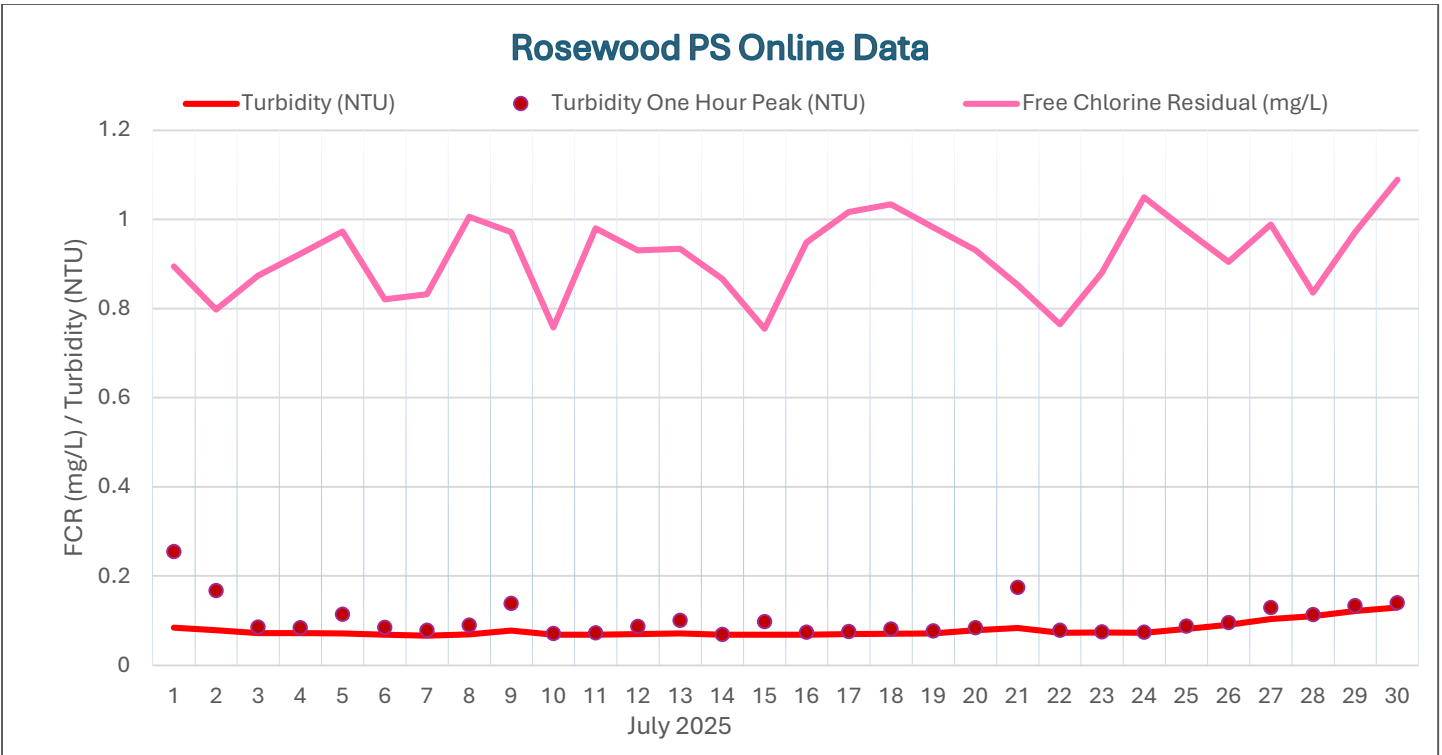
Res= Reservoir

Rosewood PS

Rosewood PS Online Data								
Date	Turbidity	Turbidity (Peak 1 Hr)	FCR			Temp	pH	ORP
	Avg (NTU)	Max Based On 1 Hr Avg	Min (mg/L)	Max (mg/L)	Avg (mg/L)	Avg (°C)	Avg (pH)	Avg (mV)
Jul 2025								
1	0.08	0.25	0.78	0.99	0.89	18.33	7.64	799
2	0.08	0.17	0.71	0.87	0.80	18.50	7.62	794
3	0.07	0.09	0.76	0.95	0.87	18.39	7.64	797
4	0.07	0.08	0.82	0.99	0.92	18.59	7.68	796
5	0.07	0.11	0.79	1.07	0.97	18.70	7.68	797
6	0.07	0.08	0.62	0.92	0.82	18.95	7.72	783
7	0.07	0.08	0.60	0.99	0.83	18.98	7.70	785
8	0.07	0.09	0.75	1.20	1.01	19.24	7.69	795
9	0.08	0.14	0.81	1.08	0.97	19.22	7.72	789
10	0.07	0.07	0.67	0.83	0.76	19.08	7.73	777
11	0.07	0.07	0.75	1.12	0.98	19.27	7.76	788
12	0.07	0.09	0.78	1.06	0.93	19.53	7.74	786
13	0.07	0.10	0.82	1.02	0.93	19.82	7.70	793
14	0.07	0.07	0.73	0.94	0.87	19.54	7.69	791
15	0.07	0.10	0.59	0.86	0.76	19.64	7.69	785
16	0.07	0.07	0.74	1.16	0.95	19.78	7.66	792
17	0.07	0.08	0.82	1.25	1.02	19.86	7.68	797
18	0.07	0.08	0.89	1.14	1.03	19.87	7.68	799
19	0.07	0.08	0.80	1.11	0.98	19.92	7.70	795
20	0.08	0.08	0.79	1.07	0.93	19.97	7.74	786
21	0.08	0.17	0.63	0.97	0.85	20.10	7.73	781
22	0.07	0.08	0.56	0.94	0.76	20.07	7.69	792
23	0.07	0.07	0.59	1.03	0.88	20.31	7.67	807
24	0.07	0.07	0.82		1.05	20.48	7.71	805
25	0.08	0.09	0.74		0.98	20.29	7.73	797
26	0.09	0.10	0.77	1.02	0.90	20.43	7.80	791
27	0.10	0.13	0.76	1.21	0.99	20.33	7.76	803
28	0.11	0.11	0.64	0.99	0.84	20.52	7.75	799
29	0.12	0.13	0.79	1.05	0.97	20.64	7.71	814
30	0.13	0.14	0.99	1.18	1.09	20.83	7.71	819
31	0.13	0.14	0.86	2.71	1.09	21.07	7.74	817
Average	0.08		0.75	1.09	0.92	19.69	7.71	795.12
Min	0.07		0.56	0.83	0.76	18.33	7.62	776.54
Max	0.13	0.25	0.99	2.71	1.09	21.07	7.80	819.23

July 24 & 25, 2025 – Generator testing completed, and an Uninterrupted Power Supply (UPS) now connected to the online analyzer to eliminate power loss interruptions.

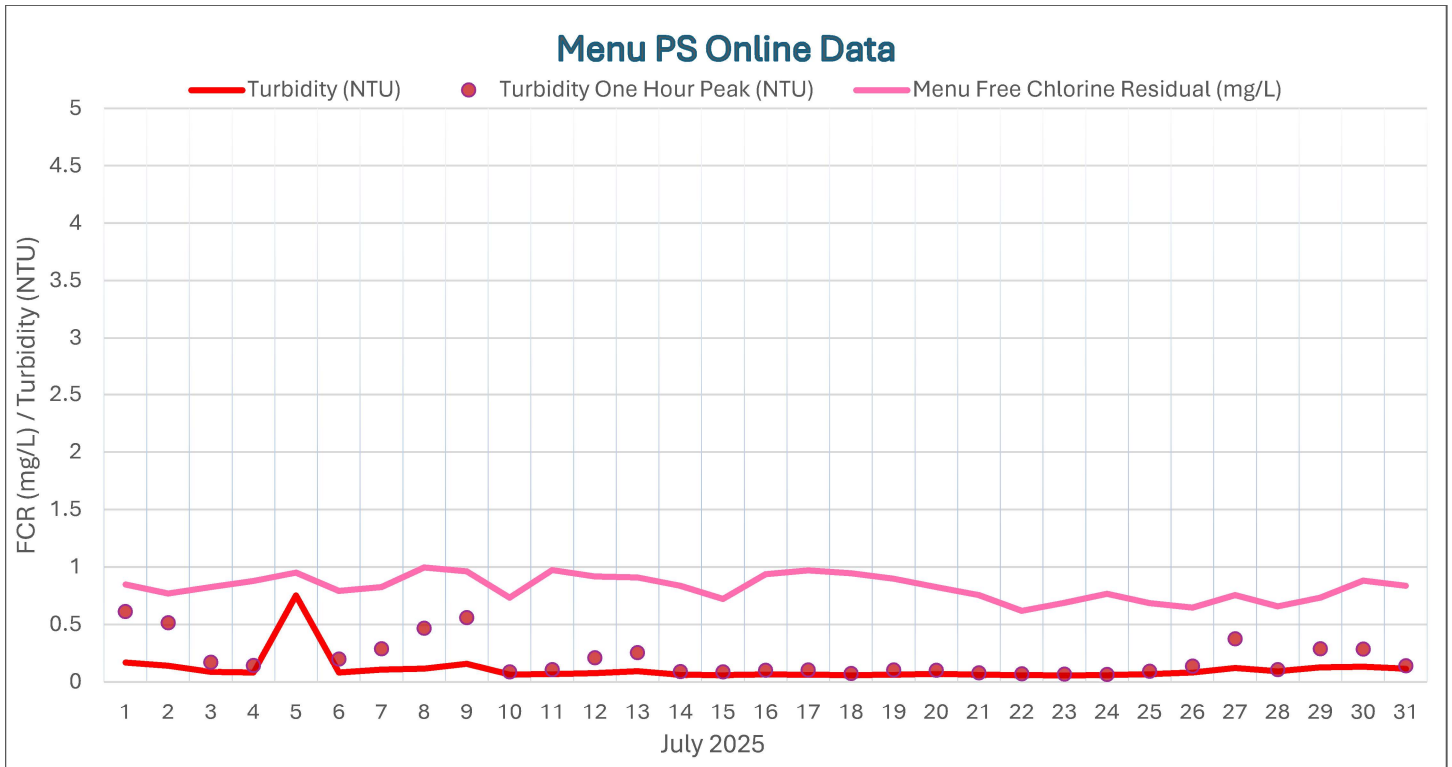
Rosewood PS Online Data



Rosewood PS Water Quality						
Date	Turbidity		Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
02-Jul-25	0.06	0.08	18.3	0.91	0.87	7.63
08-Jul-25	0.44	0.65	19.2	1.27	1.38	7.63
15-Jul-25	0.2	0.06	19.5	0.74	0.77	7.52
22-Jul-25	0.33	0.084	19.9	0.73	0.908	7.55
31-Jul-25	0.23	0.13	20.9	1.1	1.01	7.74
# of Samples	5	5	5	5	5	5
Average	0.252	0.20	19.56	0.95	0.99	7.61
Range	0.06-0.44	0.06-0.65	18.3-20.9	0.73-1.27	0.77-1.38	7.52-7.74

Menu PS

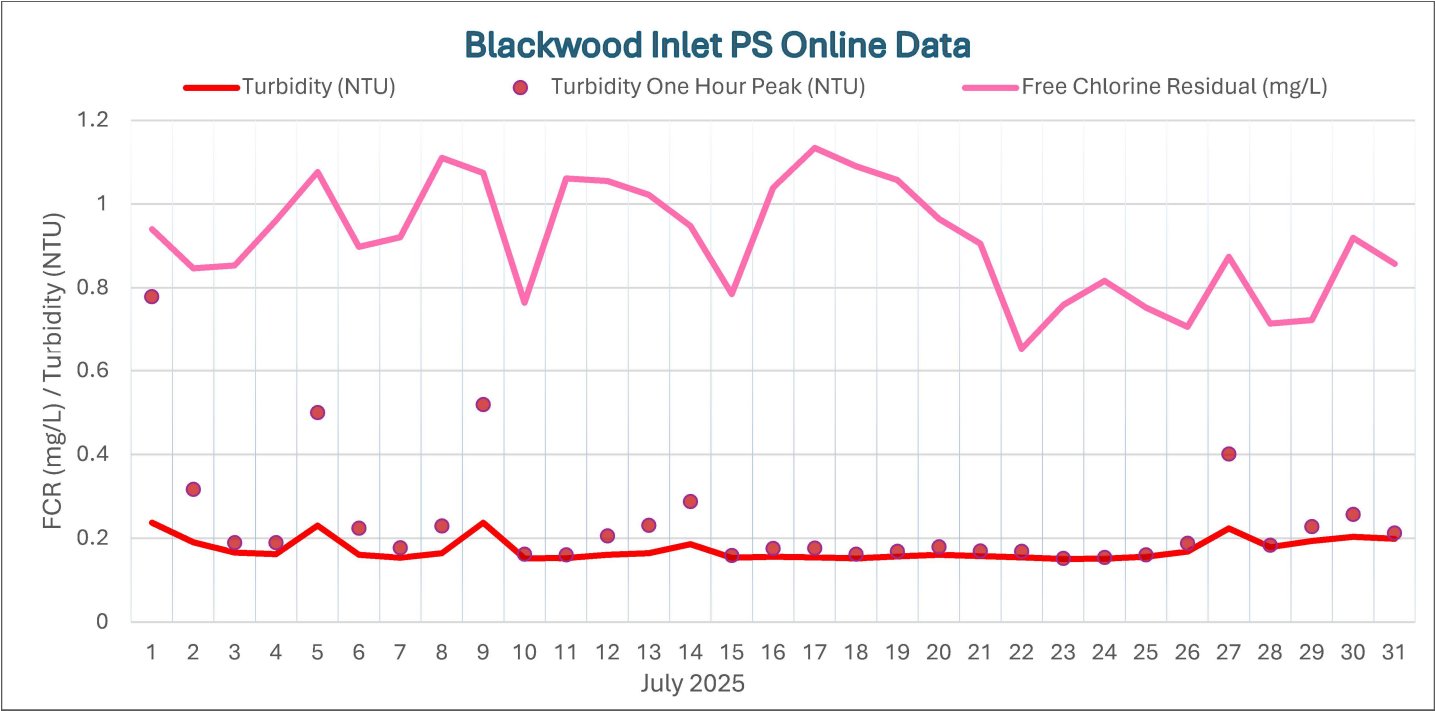
Menu PS Online Data									
Date	Combined Flow Total From RV	Turbidity	Turbidity (Peak 1 Hr)	Temp	pH	ORP	FCR		
	(m ³)	Avg (NTU)	Max Based On 1 Hr Avg	Avg (°C)	Avg (pH)	Avg (mV)	Min (mg/L)	Max (mg/L)	Avg (mg/L)
Jul 2025									
1	6473	0.17	0.61	18.02	7.40	833	0.74	0.92	0.85
2	6178	0.14	0.52	18.09	7.39	828	0.67	0.83	0.77
3	5728	0.09	0.17	18.08	7.39	830	0.68	0.88	0.83
4	5586	0.08	0.14	18.18	7.43	828	0.79	0.94	0.88
5	5719	0.76	5.33	18.47	7.43	829	0.78	1.03	0.95
6	5613	0.08	0.20	18.60	7.47	815	0.66	0.86	0.79
7	7153	0.11	0.29	18.62	7.45	814	0.62	0.97	0.83
8	7669	0.12	0.47	18.77	7.44	824	0.61	1.20	1.00
9	6049	0.16	0.56	18.72	7.45	820	0.83	1.06	0.96
10	4949	0.07	0.09	18.71	7.47	805	0.63	0.85	0.74
11	7063	0.07	0.11	18.78	7.50	815	0.69	1.11	0.98
12	6633	0.08	0.21	19.13	7.48	814	0.78	1.04	0.92
13	7020	0.09	0.26	19.24	7.44	821	0.78	0.97	0.91
14	4856	0.06	0.09	19.21	7.43	820	0.74	0.89	0.84
15	4898	0.06	0.09	19.13	7.41	814	0.56	0.85	0.72
16	5497	0.07	0.10	19.34	7.40	823	0.73	1.09	0.94
17	5581	0.06	0.11	19.45	7.40	827	0.72	1.16	0.97
18	6295	0.06	0.07	19.48	7.39	828	0.78	1.04	0.95
19	4949	0.06	0.11	19.45	7.38	826	0.79	0.99	0.90
20	5305	0.07	0.10	19.56	7.40	817	0.73	0.91	0.83
21	5516	0.06	0.08	19.69	7.42	811	0.54	1.15	0.76
22	5258	0.06	0.07	19.67	7.37	817	0.49	0.76	0.62
23	4864	0.06	0.07	19.85	7.35	834	0.50	0.81	0.69
24	5523	0.06	0.07	20.11	7.37	838	0.67	0.84	0.77
25	11811	0.07	0.09	20.00	7.40	829	0.60	0.77	0.69
26	5319	0.08	0.14	19.94	7.44	821	0.58	0.72	0.65
27	5562	0.12	0.38	19.94	7.43	832	0.62	0.89	0.76
28	5771	0.10	0.11	20.10	7.41	828	0.53	0.76	0.66
29	7011	0.13	0.29	20.30	7.39	837	0.53	0.83	0.74
30	7143	0.13	0.29	20.46	7.36	847	0.79	0.94	0.88
31	6771	0.12	0.14	20.54	7.34	845	0.74	0.93	0.84
Total	183288								
Average	6121.33	0.11		19.28	7.41	824.83	0.67	0.94	0.83
Min	4856.37	0.06		18.02	7.34	804.84	0.49	0.72	0.62
Max	11810.67	0.76	5.33	20.54	7.50	846.67	0.83	1.20	1.00



Menu PS Water Quality						
Date	Turbidity		Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
02-Jul-25	0.09	0.09	18	0.73		7.72
08-Jul-25	0.07	0.07	18.6	1.22		7.62
15-Jul-25	0.14	0.06	19	0.73	0.78	7.4
22-Jul-25	0.11	0.06	19.5	0.55	0.68	7.57
31-Jul-25	0.22	0.11	21.3	0.86	0.84	7.7
# of Samples	5	5	5	5	3	5
Average	0.126	0.078	19.28	0.82	0.77	7.60
Range	0.07-0.22	0.06-0.11	18.0-21.3	0.55-1.22	0.68-0.84	7.4-7.72

Blackwood PS

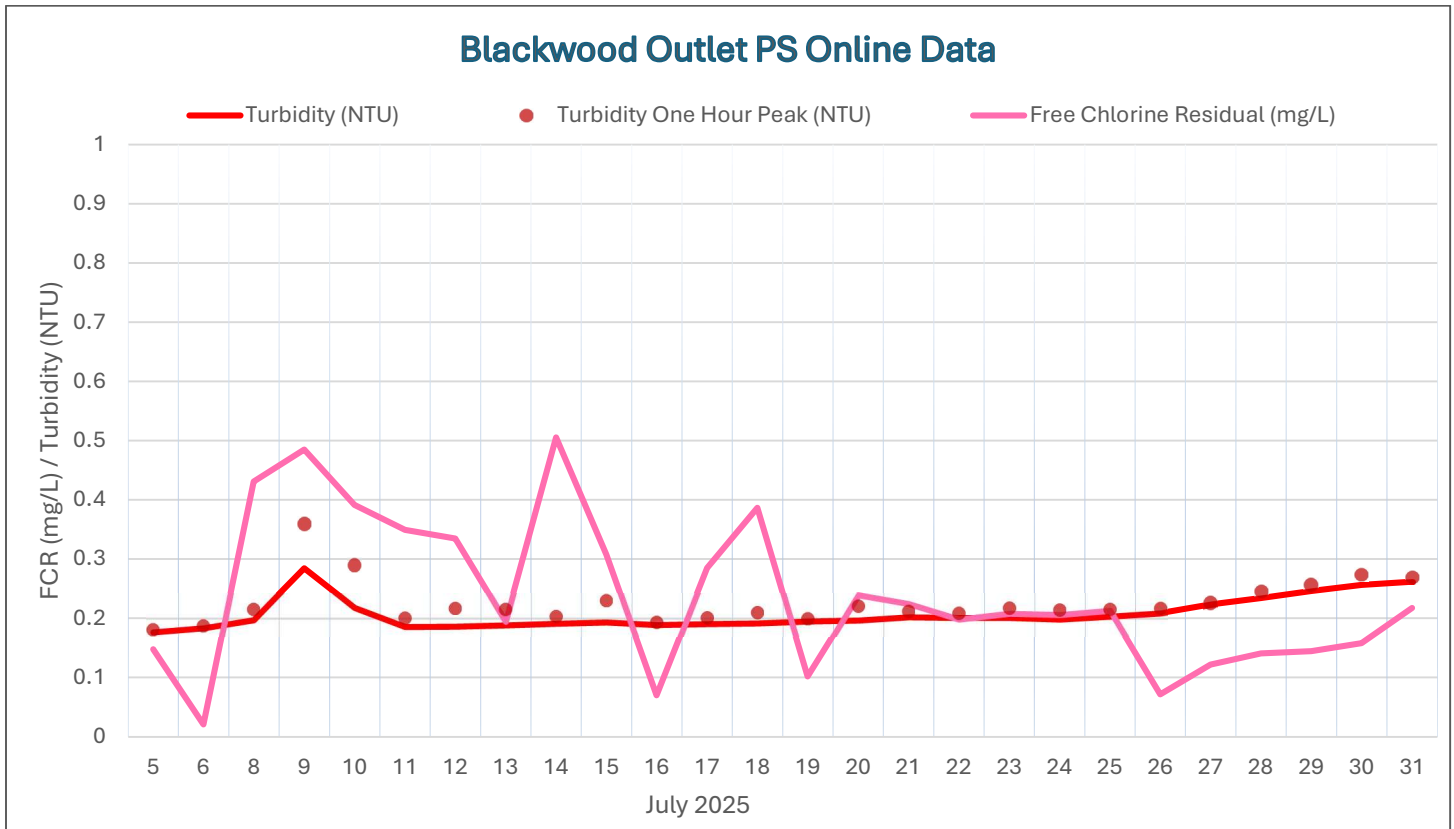
Blackwood Inlet PS Online Data									
Date	Turbidity	Turbidity (Peak 1 Hr)	FCR			Temp	pH	Conductivity	ORP
	Avg (NTU)	Max Based On 1 Hr Avg	Min (mg/L)	Max (mg/L)	Avg (mg/L)	Avg (°C)	Avg (pH)	Avg (µs/cm)	Avg (mV)
Jul 2025									
1	0.24	0.78	0.84	1.02	0.94	18.22	7.70	244.22	816.06
2	0.19	0.32	0.74	0.94	0.85	18.23	7.70	244.45	808.16
3	0.17	0.19	0.72	0.95	0.85	18.18	7.69	246.69	807.34
4	0.16	0.19	0.90	1.04	0.96	18.35	7.73	247.10	807.08
5	0.23	0.50	0.96	1.21	1.08	18.51	7.74	244.59	810.01
6	0.16	0.22	0.82	1.01	0.90	18.67	7.76	242.00	794.47
7	0.15	0.18	0.71	1.04	0.92	18.86	7.76	241.87	793.10
8	0.16	0.23	0.65	1.38	1.11	19.16	7.75	242.80	804.41
9	0.24	0.52	0.95	1.24	1.07	18.86	7.75	243.79	801.61
10	0.15	0.16	0.52	0.99	0.76	18.90	7.76	243.57	778.18
11	0.15	0.16	0.73	1.28	1.06	19.16	7.80	245.26	790.44
12	0.16	0.21	0.89	1.24	1.06	19.42	7.79	245.96	793.51
13	0.16	0.23	0.89	1.16	1.02	19.52	7.76	246.28	796.78
14	0.19	0.29	0.83	1.08	0.95	19.36	7.74	246.80	794.14
15	0.15	0.16	0.59	0.93	0.79	19.47	7.72	245.36	787.92
16	0.16	0.18	0.60	1.26	1.04	19.69	7.72	244.15	796.79
17	0.15	0.18	0.83	1.34	1.13	19.67	7.73	244.98	803.06
18	0.15	0.16	0.87	1.26	1.09	19.70	7.72	245.72	804.66
19	0.16	0.17	0.99	1.15	1.06	19.72	7.72	246.13	802.14
20	0.16	0.18	0.91	1.02	0.96	19.86	7.75	245.06	792.64
21	0.16	0.17	0.78	1.02	0.91	20.01	7.78	244.85	783.70
22	0.15	0.17	0.51	0.83	0.65	20.01	7.73	240.87	774.85
23	0.15	0.15	0.54	0.95	0.76	20.25	7.70	234.14	798.47
24	0.15	0.15	0.71	0.93	0.82	20.43	7.71	232.58	804.31
25	0.16	0.16	0.66	0.84	0.75	20.13	7.75	230.74	796.72
26	0.17	0.19	0.61	0.83	0.71	20.30	7.78	229.70	787.39
27	0.22	0.40	0.65	1.10	0.87	20.21	7.80	230.14	796.40
28	0.18	0.18	0.62	0.80	0.71	20.49	7.76	229.79	793.89
29	0.19	0.23	0.60	0.89	0.72	20.72	7.77	230.30	794.43
30	0.20	0.26	0.75	1.07	0.92	20.80	7.73	230.57	813.69
31	0.20	0.21	0.71	0.99	0.86	20.92	7.71	230.52	812.12
Average	0.17		0.75	1.06	0.91	19.54	7.74	240.68	798.01
Min	0.15		0.51	0.80	0.65	18.18	7.69	229.70	774.85
Max	0.24	0.78	0.99	1.38	1.13	20.92	7.80	247.10	816.06



Blackwood Outlet PS Online Data							
Date	Turbidity	Turbidity (Peak 1 Hr)	FCR			Temp	pH
	Avg (NTU)	Max Based On 1 Hr Avg	Min (mg/L)	Max (mg/L)	Avg (mg/L)	Avg (°C)	Avg (pH)
Jul 2025							
5	0.18	0.18	0.05	0.26	0.15	17.30	7.99
6	0.18	0.19	0.00	0.05	0.02	17.26	8.36
8	0.20	0.21	0.15	0.81	0.43	18.46	7.72
9	0.28	0.36	0.17	0.89	0.48	18.59	7.72
10	0.22	0.29	0.21	0.70	0.39	18.47	7.73
11	0.19	0.20	0.13	0.67	0.35	18.61	7.75
12	0.19	0.22	0.10	0.79	0.33	18.67	7.82
13	0.19	0.21	0.04	0.77	0.19	18.69	7.99
14	0.19	0.20	0.20	0.77	0.51	19.31	7.66
15	0.19	0.23	0.13	0.63	0.31	18.91	7.76
16	0.19	0.19	0.01	0.16	0.07	18.71	8.03
17	0.19	0.20	0.01	0.69	0.29	19.00	7.84
18	0.19	0.21	0.09	0.80	0.39	19.15	7.75
19	0.20	0.20	0.02	0.22	0.10	18.73	8.01
20	0.20	0.22	0.01	0.65	0.24	18.99	7.92
21	0.20	0.21	0.07	0.55	0.22	19.05	7.87
22	0.20	0.21	0.08	0.44	0.20	19.26	7.82
23	0.20	0.22	0.05	0.49	0.21	19.44	7.76
24	0.20	0.21	0.05	0.50	0.21	19.63	7.75
25	0.20	0.21	0.03	0.44	0.21	19.69	7.77
26	0.21	0.22	0.01	0.29	0.07	19.32	7.89

27	0.22	0.23	0.02	0.30	0.12	19.55	7.86
28	0.23	0.24	0.00	0.36	0.14	19.58	7.87
29	0.25	0.26	0.05	0.36	0.14	19.87	7.83
30	0.26	0.27	0.01	0.50	0.16	19.86	7.88
31	0.26	0.27	0.10	0.53	0.22	20.06	7.81
Average	0.21		0.07	0.52	0.24	19.00	7.85
Min	0.18		0.00	0.05	0.02	17.26	7.66
Max	0.28	0.36	0.21	0.89	0.51	20.06	8.36

- July 2025 – Blackwood Outlet PS online data can only be reported when the pumps are running.



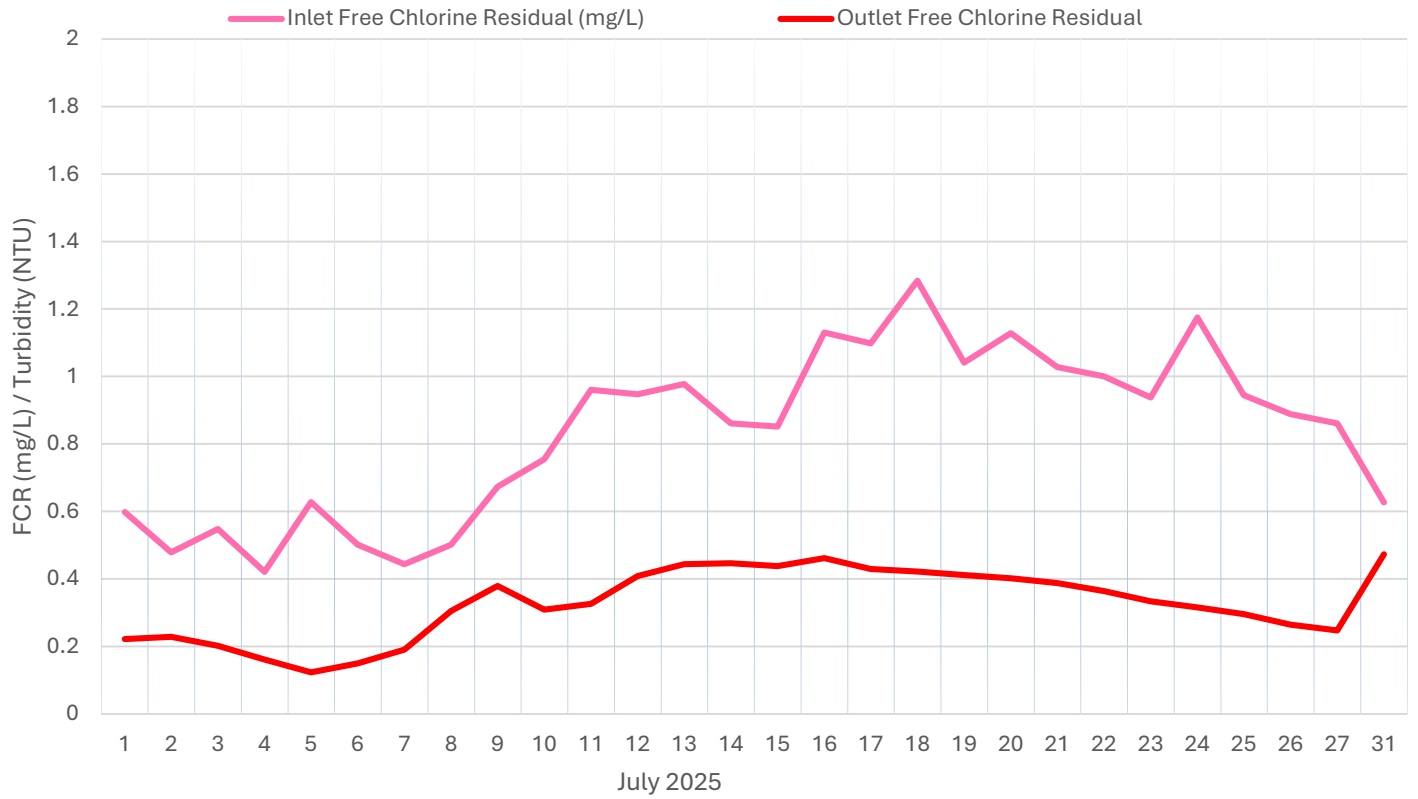
Date	Turbidity		Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
02-Jul-25	0.26	0.24	16.5	0.78	0.89	8.75
08-Jul-25	0.2	0.21	18.9	0.6	0.69	7.62
15-Jul-25	0.2	0.19	19.2	0.42	0.61	7.62
22-Jul-25	0.23	0.2	19.9	0.34	0.44	7.57
31-Jul-25	0.19	0.26	20.7	0.53	0.29	7.76
# of Samples	5	5	5	5	5	5
Average	0.22	0.22	19.04	0.53	0.58	7.86
Range	0.19-0.26	0.19-0.26	16.5-20.7	0.34-0.78	0.29-0.89	7.57-8.75

Upper Boucherie Res

Upper Boucherie Res Online Data								
Date	Temp	pH	Inlet FCR			Outlet FCR		
	Avg (°C)	Avg (pH)	Min (mg/L)	Max (mg/L)	Avg (mg/L)	Min (mg/L)	Max (mg/L)	Avg (mg/L)
Jul 2025								
1	18.92	7.87	0.07	1.33	0.60	0.13	0.34	0.22
2	19.05	7.87	0.08	1.22	0.48	0.14	0.32	0.23
3	18.96	7.85	0.09	1.10	0.55	0.15	0.28	0.20
4	19.06	7.86	0.06	1.06	0.42	0.10	0.23	0.16
5	19.11	7.86	0.05	1.24	0.63	0.06	0.24	0.12
6	19.24	7.87	0.06	1.08	0.50	0.09	0.21	0.15
7	19.47	7.88	0.06	1.12	0.44	0.09	0.34	0.19
8	19.65	7.88	0.07	1.32	0.50	0.11	0.79	0.30
9	19.49	7.87	0.19	1.21	0.67	0.28	0.58	0.38
10	19.30	7.90	0.13	1.37	0.75	0.22	0.48	0.31
11	19.34	7.92	0.12	1.27	0.96	0.21	0.50	0.33
12	19.89	7.92	0.17	1.66	0.95	0.30	0.80	0.41
13	20.04	7.93	0.19	1.64	0.98	0.33	0.54	0.44
14	19.99	7.90	0.21	1.58	0.86	0.37	0.53	0.45
15	19.89	7.91	0.19	1.80	0.85	0.32	0.63	0.44
16	20.16	7.89	0.21	2.01	1.13	0.34	0.75	0.46
17	20.07	7.91	0.24	1.46	1.10	0.39	0.51	0.43
18	20.03	7.90	0.24	1.60	1.28	0.39	0.48	0.42
19	20.00	7.90	0.24	1.72	1.04	0.38	0.46	0.41
20	20.00	7.91	0.24	1.34	1.13	0.38	0.45	0.40
21	20.26	7.92	0.23	1.51	1.03	0.36	0.44	0.39
22	20.28	7.92	0.21	1.22	1.00	0.33	0.41	0.36
23	20.50	7.91	0.18	1.40	0.94	0.30	0.39	0.33
24	20.74	7.88	0.17	1.48	1.18	0.28	0.37	0.32
25	20.62	7.90	0.16	1.28	0.94	0.26	0.35	0.30
26	20.60	7.91	0.14	1.10	0.89	0.23	0.32	0.26
27	20.63	7.93	0.13	1.30	0.86	0.22	0.30	0.25
31	21.73	7.91	0.43	1.18	0.63	0.40	0.56	0.47
Average	20.00	7.90	0.18	1.38	0.90	0.27	0.48	0.34
Min	18.92	7.85	0.05	1.06	0.42	0.06	0.21	0.12
Max	21.73	7.93	0.58	2.01	1.94	0.48	0.95	0.58

- July 28-30, 2025 – During the reservoir cleaning the analyzer was placed on hold and data does not represent the water quality at that time.

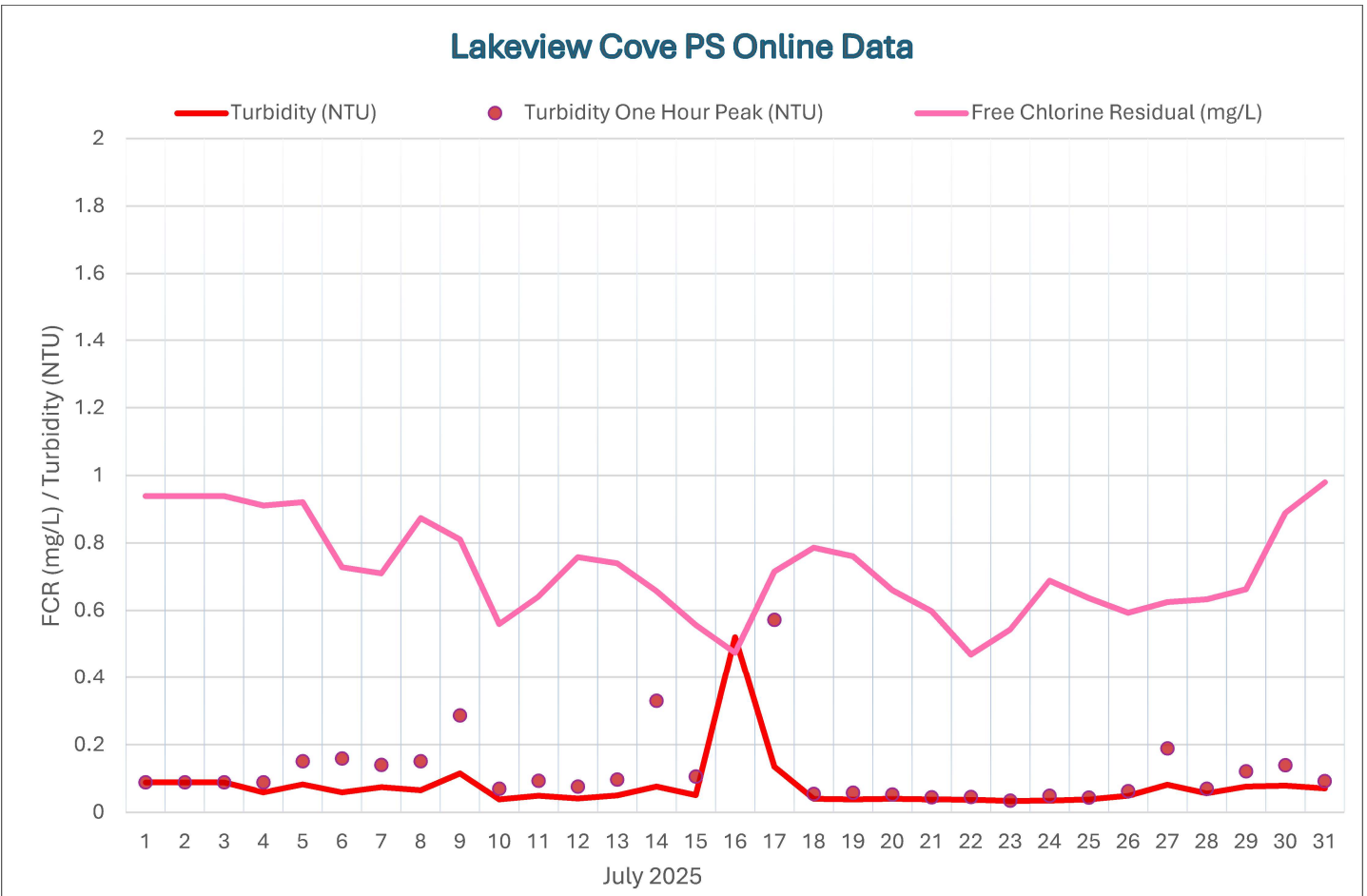
Upper Boucherie Res Online Data



Lakeview Cove PS

Lakeview Cove PS Online Data						
Date	Turbidity	Turbidity (Peak 1 Hr)	FCR			Temp
	Avg (NTU)	Max Based On 1 Hr Avg	Min (mg/L)	Max (mg/L)	Avg (mg/L)	Avg (°C)
Jul 2025						
1	0.09	0.09	0.94	0.94	0.94	17.45
2	0.09	0.09	0.94	0.94	0.94	17.45
3	0.09	0.09	0.94	0.94	0.94	17.45
4	0.06	0.09	0.77	1.07	0.91	18.16
5	0.08	0.15	0.75	1.04	0.92	18.56
6	0.06	0.16	0.61	0.85	0.73	18.66
7	0.08	0.14	0.60	0.82	0.71	18.85
8	0.07	0.15	0.52	1.05	0.87	19.07
9	0.12	0.29	0.60	0.95	0.81	18.98
10	0.04	0.07	0.40	0.74	0.56	18.72
11	0.05	0.09	0.09	1.88	0.64	18.59
12	0.04	0.08	0.60	0.88	0.76	19.05
13	0.05	0.10	0.58	0.83	0.74	19.16
14	0.08	0.33	0.49	0.80	0.66	19.36
15	0.05	0.11	0.42	0.70	0.56	19.31
16	0.52	2.02	0.06	0.90	0.48	19.50
17	0.14	0.57	0.30	0.99	0.72	19.99
18	0.04	0.05	0.55	0.98	0.79	19.91
19	0.04	0.06	0.64	0.88	0.76	19.67
20	0.04	0.05	0.56	0.78	0.66	19.68
21	0.04	0.05	0.47	0.75	0.60	19.81
22	0.04	0.05	0.32	0.66	0.47	19.79
23	0.03	0.03	0.31	0.78	0.54	19.81
24	0.03	0.05	0.48	0.91	0.69	20.15
25	0.04	0.04	0.49	0.80	0.64	20.17
26	0.05	0.06	0.45	0.74	0.59	20.09
27	0.08	0.19	0.03	0.91	0.63	19.91
28	0.06	0.07	0.49	0.77	0.63	20.17
29	0.08	0.12	0.46	0.87	0.66	20.43
30	0.08	0.14	0.70	1.09	0.89	20.60
31	0.07	0.09	0.73	1.13	0.98	20.77
Average	0.08		0.53	0.91	0.72	19.33
Min	0.03		0.03	0.66	0.47	17.45
Max	0.52	2.02	0.94	1.88	0.98	20.77

Lakeview Cove PS Online Data



- See Operational System Improvements/Events above
 - July 17, 2025 – Lakeview Cove Reservoir and PRV

WQ Field Data

Thacker SS

Thacker SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
02-Jul-25	0.15	18	0.73	7.72
08-Jul-25	0.18	19.8	0.96	7.61
15-Jul-25	0.16	20.1	0.65	7.7
22-Jul-25	0.27	19.5	0.41	7.6
31-Jul-25	0.18	21.2	0.72	7.57
# of Samples	5	5	5	5
Average	0.19	19.72	0.69	7.64
Range	0.15-0.27	18-21.2	0.41-0.96	7.57-7.72

Shannon Way SS

Shannon Way SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
02-Jul-25	0.29	19.7	0.65	7.68
08-Jul-25	0.16	19.1	0.73	7.62
15-Jul-25	0.25	20.5	0.43	7.8
22-Jul-25	0.12	19.8	0.34	7.64
31-Jul-25	0.18	20.9	0.79	7.68
# of Samples	5	5	5	5
Average	0.20	20.0	0.59	7.68
Range	0.12-0.29	19.1-20.9	0.34-0.79	7.62-7.8

Lower Horizon SS

Lower Horizon SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
02-Jul-25	0.11	18.0	0.74	7.57
08-Jul-25	0.11	19.1	0.55	7.66
15-Jul-25	0.30	20.0	0.48	7.7
22-Jul-25	0.13	19.1	0.41	7.6
31-Jul-25	0.19	20.7	0.65	7.65
# of Samples	5	5	5	5
Average	0.17	19.38	0.57	7.64
Range	0.11-0.3	18-20.7	0.41-0.74	7.57-7.7

Pritchard SS

Pritchard SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
02-Jul-25	0.25	20.0	0.77	7.71
08-Jul-25	0.26	20.0	0.79	7.64
15-Jul-25	0.19	20.8	0.43	7.72
22-Jul-25	0.10	20.3	0.43	7.66
31-Jul-25	0.16	21.9	0.63	7.66
# of Samples	5	5	5	5
Average	0.19	20.6	0.61	7.68
Range	0.1-0.26	20-21.9	0.43-0.79	7.64-7.72

Vineyard View SS

Vineyard View SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
02-Jul-25	0.13	19	0.37	7.74
08-Jul-25	0.17	19.8	0.23	7.55
15-Jul-25	0.15	20.1	0.32	7.67
22-Jul-25	0.15	19.8	0.24	7.56
31-Jul-25	0.17	22.5	0.25	7.7
# of Samples	5	5	5	5
Average	0.15	20.24	0.28	7.64
Range	0.13-0.17	19-22.5	0.23-0.37	7.55-7.74