

CITY OF WEST KELOWNA

Monthly Water Quality Report



Rose Valley Water Service Area

March 2025

WATER SUPPLY AND TREATMENT





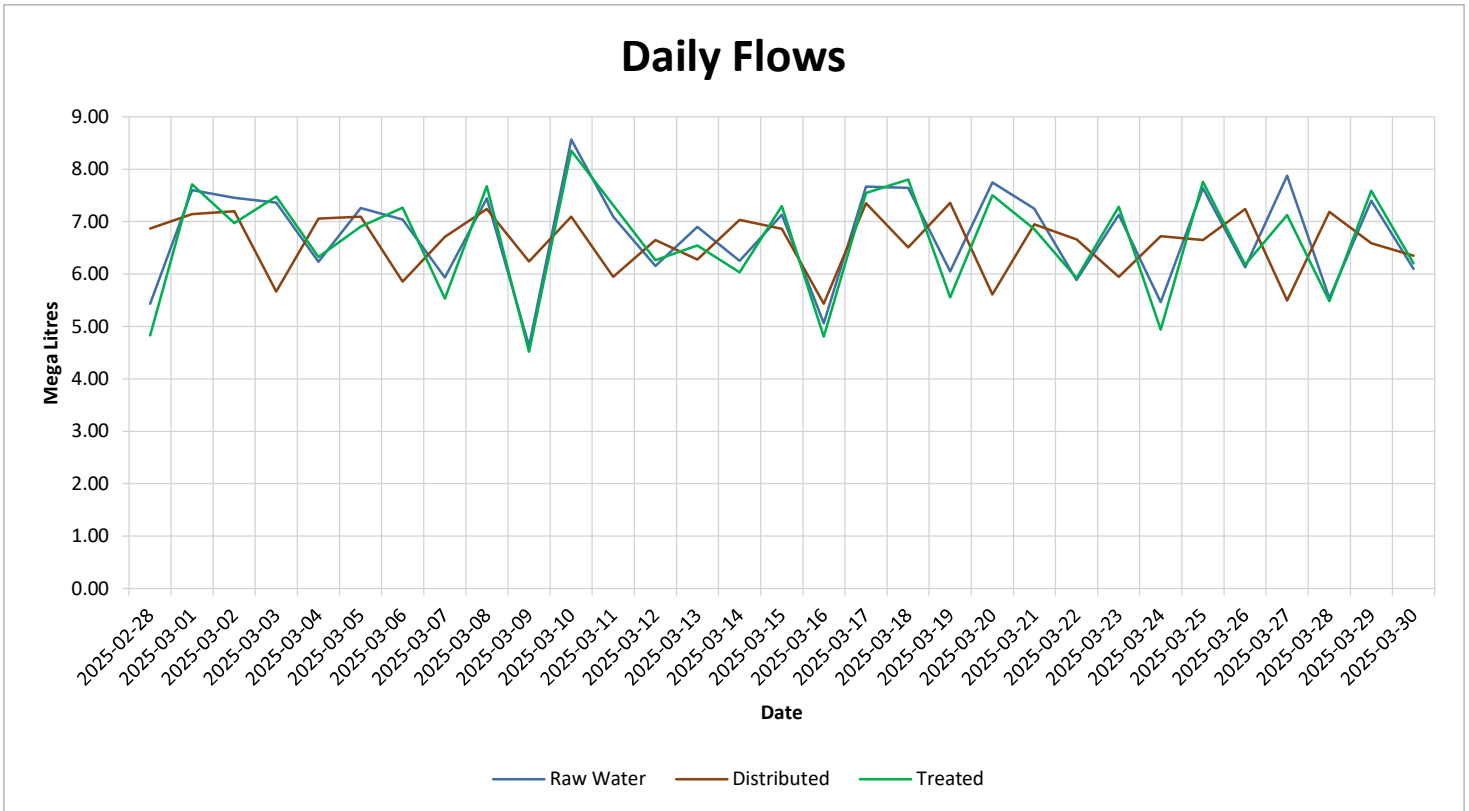
Rose Valley Water Treatment Plant Monthly Water Quality Summary

2025-04-07

March, 2025

Flow Demand:

	Total for Month
Raw Processed Water:	209.06 ML
Treated Water :	205.58 ML
Distributed Water :	204.97 ML
Backwash Water :	5.624899 ML



Notes:

Raw Water Specifications:

Date	Raw Turbidity (NTU)			Raw pH		
	Min	Max	Average	Min	Max	Average
2025-03-01	0.14	0.20	0.16	7.61	7.63	7.63
2025-03-02	0.12	0.59	0.14	7.61	7.62	7.62
2025-03-03	0.12	0.22	0.14	7.60	7.62	7.61
2025-03-04	0.16	0.26	0.18	7.60	7.61	7.61
2025-03-05	0.13	0.22	0.15	7.61	7.63	7.62
2025-03-06	0.12	0.80	0.14	7.60	7.62	7.61
2025-03-07	0.16	0.27	0.18	7.59	7.61	7.60
2025-03-08	0.15	0.22	0.17	7.60	7.61	7.60
2025-03-09	0.13	0.21	0.15	7.50	7.61	7.57
2025-03-10	0.16	0.32	0.21	7.51	7.63	7.58
2025-03-11	0.21	0.30	0.25	7.58	7.66	7.63
2025-03-12	0.26	0.44	0.30	7.62	7.65	7.63
2025-03-13	0.20	0.30	0.23	7.60	7.62	7.61
2025-03-14	0.21	0.31	0.25	7.59	7.61	7.60
2025-03-15	0.29	0.39	0.32	7.60	7.64	7.62
2025-03-16	0.29	0.37	0.33	7.62	7.64	7.63
2025-03-17	0.19	0.36	0.26	7.61	7.63	7.62
2025-03-18	0.22	0.30	0.25	7.62	7.64	7.63
2025-03-19	0.27	0.57	0.41	7.62	7.67	7.64
2025-03-20	0.38	0.64	0.47	7.65	7.66	7.65
2025-03-21	0.38	0.55	0.44	7.66	7.68	7.67
2025-03-22	0.40	0.70	0.46	7.68	7.70	7.69
2025-03-23	0.41	0.59	0.46	7.70	7.72	7.71
2025-03-24	0.38	0.59	0.45	7.71	7.74	7.72
2025-03-25	0.55	0.87	0.66	7.73	7.74	7.73
2025-03-26	0.66	0.95	0.76	7.73	7.85	7.76
2025-03-27	0.83	1.25	0.96	7.77	7.86	7.82
2025-03-28	0.81	1.13	0.88	7.71	7.77	7.75
2025-03-29	0.00	1.28	1.02	7.69	7.83	7.75
2025-03-30	0.00	1.89	1.47	7.82	8.08	7.92
2025-03-31	0.00	1.70	1.28	7.76	7.99	7.84

Notes:

Raw Water Specifications (Continued):

Date	Raw Temp (°C)			Raw DOC (mg/L)		
	Min	Max	Average	Min	Max	Average
2025-03-01	3.56	3.67	3.59	11.04	12.21	11.67
2025-03-02	3.63	3.70	3.66	11.23	12.11	11.66
2025-03-03	3.67	3.78	3.70	11.04	12.21	11.68
2025-03-04	3.72	3.98	3.77	11.38	12.01	11.64
2025-03-05	3.75	3.85	3.78	11.48	11.87	11.63
2025-03-06	3.82	3.89	3.84	11.48	11.87	11.63
2025-03-07	3.85	4.15	3.91	11.48	11.77	11.64
2025-03-08	3.97	4.04	3.99	11.48	11.87	11.63
2025-03-09	3.81	4.20	3.92	11.48	11.87	11.63
2025-03-10	3.89	4.04	3.97	11.48	11.77	11.63
2025-03-11	3.95	4.07	4.01	11.48	11.77	11.62
2025-03-12	3.97	4.22	4.04	11.48	11.77	11.62
2025-03-13	3.98	4.09	4.03	11.38	11.77	11.63
2025-03-14	3.99	4.24	4.09	11.38	11.77	11.61
2025-03-15	4.07	4.17	4.10	11.38	11.77	11.61
2025-03-16	4.01	4.26	4.12	11.38	11.77	11.61
2025-03-17	4.04	4.20	4.12	11.38	11.77	11.61
2025-03-18	4.07	4.25	4.15	11.48	11.77	11.62
2025-03-19	4.09	4.28	4.19	11.38	11.77	11.62
2025-03-20	4.15	4.30	4.21	11.48	11.77	11.62
2025-03-21	4.26	4.43	4.31	11.38	11.77	11.62
2025-03-22	4.36	4.55	4.44	11.38	11.77	11.62
2025-03-23	4.48	4.60	4.52	11.48	11.77	11.62
2025-03-24	4.53	4.74	4.63	11.48	11.77	11.62
2025-03-25	4.69	4.83	4.74	8.16	11.72	11.10
2025-03-26	4.73	5.25	4.90	10.40	11.23	10.83
2025-03-27	5.06	5.54	5.21	10.40	12.26	10.86
2025-03-28	4.96	5.21	5.05	10.40	12.11	10.82
2025-03-29	4.91	5.40	5.08	10.40	11.72	10.82
2025-03-30	5.36	6.22	5.63	10.50	11.97	10.89
2025-03-31	5.42	6.11	5.64	10.50	11.28	10.86

Notes:

Raw Water Specifications (Continued):

Date	Raw Cond R ($\mu\text{S}/\text{cm}$)			Streaming Current		
	Min	Max	Average	Min	Max	Average
2025-03-01	114.73	117.15	115.58	9.89	40.66	22.97
2025-03-02	114.68	117.16	115.54	11.84	46.76	27.48
2025-03-03	114.75	116.86	115.64	-27.96	48.72	25.97
2025-03-04	114.58	119.72	116.90	-228.21	129.79	5.95
2025-03-05	114.89	118.24	116.04	10.62	45.05	29.12
2025-03-06	114.80	116.69	115.75	-81.93	21.61	11.03
2025-03-07	114.55	116.33	115.43	-313.19	105.13	-40.42
2025-03-08	114.36	115.95	115.22	-0.12	34.07	13.82
2025-03-09	114.19	116.87	115.49	-304.88	141.27	-91.73
2025-03-10	114.03	116.68	115.25	-72.41	34.55	16.75
2025-03-11	113.52	115.87	114.65	-1.34	15.26	8.11
2025-03-12	113.53	115.42	114.48	-277.05	108.30	-8.99
2025-03-13	113.71	115.53	114.66	-48.23	41.88	23.45
2025-03-14	113.66	115.68	114.71	-296.83	72.16	-28.87
2025-03-15	113.37	115.43	114.33	1.10	22.83	11.96
2025-03-16	113.22	114.97	114.07	-295.85	132.72	-78.05
2025-03-17	113.17	115.06	114.10	-5.49	36.02	22.97
2025-03-18	113.10	114.86	113.97	-175.95	22.59	14.63
2025-03-19	112.67	114.62	113.73	-289.01	85.10	-30.45
2025-03-20	112.75	114.69	113.69	-269.72	48.47	12.60
2025-03-21	112.51	114.35	113.48	3.30	43.59	23.57
2025-03-22	112.41	114.20	113.28	-288.03	91.21	-39.40
2025-03-23	112.19	113.91	113.03	8.91	22.10	15.91
2025-03-24	111.98	113.89	112.88	-286.81	130.28	-66.23
2025-03-25	111.31	113.58	112.41	-12.09	19.17	-0.25
2025-03-26	111.09	113.43	112.21	-267.52	29.91	-54.34
2025-03-27	110.70	112.77	111.76	-39.93	11.11	-11.30
2025-03-28	111.16	113.26	112.14	-262.64	124.42	-74.32
2025-03-29	111.31	113.27	112.25	-28.45	3.54	-7.92
2025-03-30	110.55	112.72	111.73	-247.74	75.58	-62.67
2025-03-31	110.76	112.78	111.83	-46.52	5.98	-9.98

Notes:

Raw Water Specifications (Continued):

Date	Coagulated pH			Coagulated Temp (°C)		
	Min	Max	Average	Min	Max	Average
2025-03-01	7.42	7.45	7.44	3.57	3.76	3.63
2025-03-02	7.44	7.46	7.45	3.63	4.56	3.74
2025-03-03	7.45	7.47	7.46	3.70	3.90	3.78
2025-03-04	7.33	7.46	7.43	3.72	4.63	3.80
2025-03-05	7.44	7.46	7.45	3.80	4.47	3.95
2025-03-06	7.44	7.45	7.45	3.86	3.91	3.87
2025-03-07	7.42	7.60	7.46	3.89	4.85	4.08
2025-03-08	7.43	7.44	7.43	3.99	4.16	4.03
2025-03-09	7.39	7.57	7.46	3.82	4.87	4.02
2025-03-10	7.39	7.47	7.43	3.96	4.15	4.06
2025-03-11	7.43	7.48	7.46	3.94	4.03	4.00
2025-03-12	7.38	7.51	7.45	3.96	4.89	4.05
2025-03-13	7.45	7.46	7.46	4.02	4.72	4.19
2025-03-14	7.42	7.58	7.46	3.98	4.59	4.14
2025-03-15	7.45	7.47	7.46	4.06	4.16	4.09
2025-03-16	7.43	7.63	7.50	4.01	5.08	4.23
2025-03-17	7.45	7.46	7.46	4.06	4.47	4.21
2025-03-18	7.45	7.48	7.45	4.08	4.25	4.16
2025-03-19	7.43	7.62	7.48	4.16	5.13	4.33
2025-03-20	7.46	7.61	7.47	4.17	4.69	4.28
2025-03-21	7.46	7.49	7.48	4.27	5.00	4.41
2025-03-22	7.46	7.67	7.51	4.39	4.99	4.53
2025-03-23	7.48	7.51	7.50	4.50	4.60	4.53
2025-03-24	7.48	7.69	7.54	4.58	5.52	4.80
2025-03-25	7.51	7.52	7.51	4.71	4.88	4.78
2025-03-26	7.49	7.68	7.54	4.75	5.64	4.94
2025-03-27	7.48	7.55	7.51	5.14	5.95	5.26
2025-03-28	7.46	7.68	7.51	4.89	5.69	5.04
2025-03-29	7.47	7.52	7.49	4.89	5.33	5.05
2025-03-30	7.51	7.76	7.58	5.31	6.26	5.61
2025-03-31	7.50	7.58	7.53	5.56	6.31	5.74

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
2025-03-01	114.85	115.45	115.05	9.88	10.05	9.98
2025-03-02	115.33	115.76	115.48	9.90	9.96	9.94
2025-03-03	115.58	116.08	115.76	9.90	9.94	9.92
2025-03-04	115.93	116.66	116.14	9.75	9.89	9.85
2025-03-05	116.15	116.46	116.25	9.84	9.90	9.86
2025-03-06	116.37	116.68	116.49	9.77	9.86	9.82
2025-03-07	116.43	117.37	116.82	9.62	9.79	9.75
2025-03-08	116.97	117.69	117.25	9.75	9.86	9.80
2025-03-09	117.63	122.07	119.24	8.77	9.88	9.51
2025-03-10	116.86	121.26	118.80	8.92	10.12	9.62
2025-03-11	115.39	118.66	116.78	9.71	10.33	10.10
2025-03-12	116.05	116.85	116.39	10.09	10.23	10.18
2025-03-13	116.43	117.48	116.93	9.97	10.09	10.03
2025-03-14	117.45	118.34	117.94	9.80	10.06	9.94
2025-03-15	116.73	118.09	117.26	10.07	10.39	10.22
2025-03-16	116.56	117.30	116.86	10.11	10.42	10.35
2025-03-17	116.13	117.05	116.49	10.25	10.39	10.32
2025-03-18	116.00	116.55	116.28	10.36	10.49	10.42
2025-03-19	116.01	116.58	116.31	10.40	10.61	10.53
2025-03-20	116.17	116.67	116.34	10.61	10.67	10.64
2025-03-21	116.55	117.01	116.67	10.67	10.76	10.71
2025-03-22	116.87	117.39	117.07	10.70	10.93	10.83
2025-03-23	117.09	117.46	117.25	10.93	11.07	10.98
2025-03-24	117.37	118.07	117.67	10.84	11.24	11.09
2025-03-25	117.77	118.47	118.10	11.22	11.29	11.24
2025-03-26	118.29	120.22	118.91	11.08	11.82	11.35
2025-03-27	14.03	120.59	119.11	11.23	11.85	11.55
2025-03-28	117.93	119.13	118.71	10.84	11.24	11.10
2025-03-29	118.78	120.57	119.55	10.86	11.63	11.16
2025-03-30	120.05	123.75	121.33	11.58	12.67	12.01
2025-03-31	30.48	123.45	121.98	11.12	12.32	11.54

Notes:

Train 1 Filter Turbidity (NTU):

Date	Filter 1			Filter 2			Filter 3		
	Min	Max	Average	Min	Max	Average	Min	Max	Average
2025-03-01	0.01	0.02	0.01	0.01	0.03	0.02	0.07	0.19	0.07
2025-03-02	0.01	0.05	0.01	0.01	0.03	0.02	0.08	0.17	0.08
2025-03-03	0.01	0.02	0.01	0.02	0.03	0.02	0.08	0.12	0.08
2025-03-04	0.01	0.02	0.01	0.02	0.03	0.02	0.08	0.10	0.08
2025-03-05	0.01	0.07	0.02	0.02	0.17	0.02	0.08	0.11	0.08
2025-03-06	0.01	0.02	0.01	0.01	0.03	0.02	0.07	0.14	0.07
2025-03-07	0.01	0.03	0.02	0.01	0.03	0.02	0.07	0.10	0.07
2025-03-08	0.01	0.02	0.02	0.01	0.02	0.02	0.07	0.08	0.07
2025-03-09	0.01	0.02	0.02	0.01	0.06	0.02	0.07	0.11	0.07
2025-03-10	0.01	0.02	0.02	0.01	0.03	0.02	0.07	0.08	0.07
2025-03-11	0.02	0.02	0.02	0.01	0.02	0.02	0.07	0.08	0.07
2025-03-12	0.02	0.03	0.02	0.01	0.03	0.02	0.06	0.10	0.07
2025-03-13	0.01	0.04	0.02	0.01	0.04	0.02	0.06	0.07	0.06
2025-03-14	0.01	0.02	0.02	0.01	0.02	0.02	0.06	0.07	0.06
2025-03-15	0.01	0.02	0.01	0.01	0.04	0.02	0.06	0.11	0.06
2025-03-16	0.01	0.03	0.01	0.01	0.08	0.02	0.07	0.10	0.07
2025-03-17	0.01	0.05	0.01	0.02	0.02	0.02	0.07	0.08	0.08
2025-03-18	0.01	0.02	0.01	0.02	0.04	0.02	0.07	0.10	0.07
2025-03-19	0.01	0.03	0.01	0.02	0.04	0.02	0.07	0.09	0.07
2025-03-20	0.01	0.02	0.01	0.01	0.05	0.02	0.06	0.08	0.07
2025-03-21	0.01	0.03	0.02	0.01	0.04	0.02	0.07	0.08	0.07
2025-03-22	0.01	0.03	0.02	0.01	0.04	0.02	0.07	0.08	0.08
2025-03-23	0.01	0.02	0.01	0.01	0.02	0.02	0.07	0.08	0.08
2025-03-24	0.01	0.06	0.02	0.01	0.06	0.02	0.08	0.10	0.08
2025-03-25	0.01	0.02	0.02	0.01	0.02	0.02	0.08	0.08	0.08
2025-03-26	0.01	0.02	0.02	0.02	0.05	0.02	0.07	0.10	0.08
2025-03-27	0.01	0.03	0.02	0.02	0.04	0.02	0.07	0.08	0.08
2025-03-28	0.01	0.02	0.01	0.02	0.03	0.02	0.07	0.09	0.08
2025-03-29	0.01	0.02	0.01	0.02	0.03	0.02	0.07	0.10	0.08
2025-03-30	0.01	0.05	0.02	0.02	0.03	0.02	0.07	0.08	0.07
2025-03-31	0.01	0.03	0.02	0.02	0.04	0.02	0.07	0.09	0.08

Notes:

Filter 3 was offline and drained for the month of March

Train 2 Filter Turbidity (NTU)

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

Notes:

Filter 4 was offline and drained for the month of March.

UV Treatment:

Date	Average Flow (L/s)	Avg Validated Dose (mj/cm2)	Undosed Flow (ML)
2025-03-01	88.10	22.00	0.0000
2025-03-02	89.52	22.00	0.0000
2025-03-03	72.62	18.78	0.0000
2025-03-04	87.21	22.00	0.0006
2025-03-05	87.55	22.00	0.0000
2025-03-06	69.45	17.58	0.0000
2025-03-07	89.53	22.00	0.0007
2025-03-08	58.62	14.70	0.0000
2025-03-10	101.15	22.00	0.0008
2025-03-11	86.79	22.00	0.0000
2025-03-12	72.26	18.68	0.0000
2025-03-13	82.78	22.00	0.0006
2025-03-14	69.10	18.66	0.0000
2025-03-15	85.33	22.00	0.0006
2025-03-16	58.07	15.08	0.0000
2025-03-17	90.31	22.00	0.0010
2025-03-18	90.65	22.00	0.0000
2025-03-19	70.96	18.19	0.0000
2025-03-20	88.01	21.65	0.0007
2025-03-21	85.69	22.00	0.0001
2025-03-22	69.26	17.59	0.0000
2025-03-23	86.12	22.00	0.0009
2025-03-24	62.81	15.89	0.0001
2025-03-25	90.60	22.00	0.0010
2025-03-26	71.98	18.10	0.0000
2025-03-27	89.97	22.00	0.0007
2025-03-28	63.08	16.18	0.0000
2025-03-29	88.52	22.00	0.0009
2025-03-30	72.42	18.00	0.0000
2025-03-31	89.95	22.00	0.0008
2025-04-01	86.31	22.00	0.0000

Monthly Total (ML): 0.0095

% of monthly water that was not UV treated: 0.005%

Notes:

UV Transmittance %:

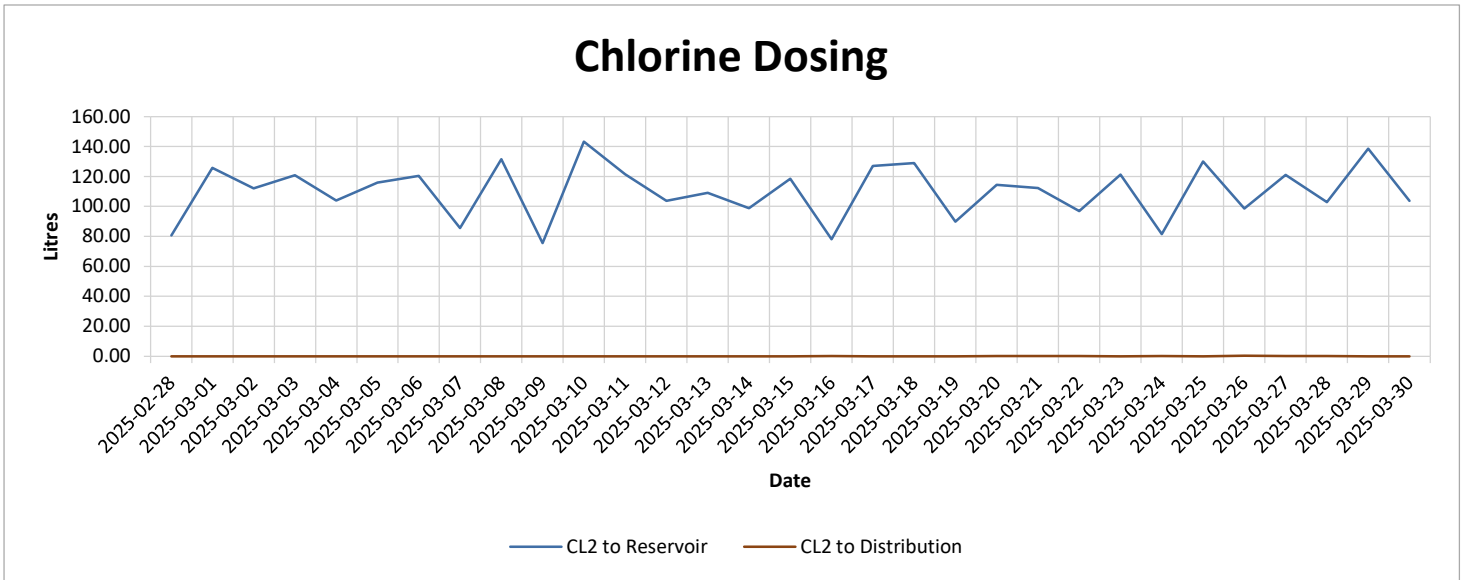
Date	Min	Max	Average
2025-03-01	87.55	89.72	88.84
2025-03-02	87.91	89.60	88.80
2025-03-03	87.59	89.65	88.91
2025-03-04	86.37	89.16	88.52
2025-03-05	87.67	89.60	88.97
2025-03-06	87.72	89.40	88.64
2025-03-07	87.79	89.82	88.90
2025-03-08	87.89	89.45	88.75
2025-03-09	88.01	89.40	88.67
2025-03-10	88.01	89.69	89.02
2025-03-11	87.72	90.01	88.60
2025-03-12	86.74	89.16	88.63
2025-03-13	88.18	90.38	89.00
2025-03-14	87.64	90.31	88.98
2025-03-15	87.64	89.40	88.79
2025-03-16	87.47	89.84	88.87
2025-03-17	87.42	89.82	89.12
2025-03-18	87.72	89.57	88.78
2025-03-19	86.94	89.60	88.96
2025-03-20	87.84	89.77	88.99
2025-03-21	88.18	89.60	88.95
2025-03-22	88.13	90.01	89.06
2025-03-23	87.72	89.52	88.75
2025-03-24	88.01	89.47	88.91
2025-03-25	87.72	89.57	88.66
2025-03-26	87.23	89.30	88.54
2025-03-27	87.91	89.45	88.62
2025-03-28	88.03	90.13	88.87
2025-03-29	87.28	89.65	88.64
2025-03-30	87.35	88.91	88.30
2025-03-31	87.30	89.45	88.61

Notes:

Chemical Demand:

Chlorine Used:

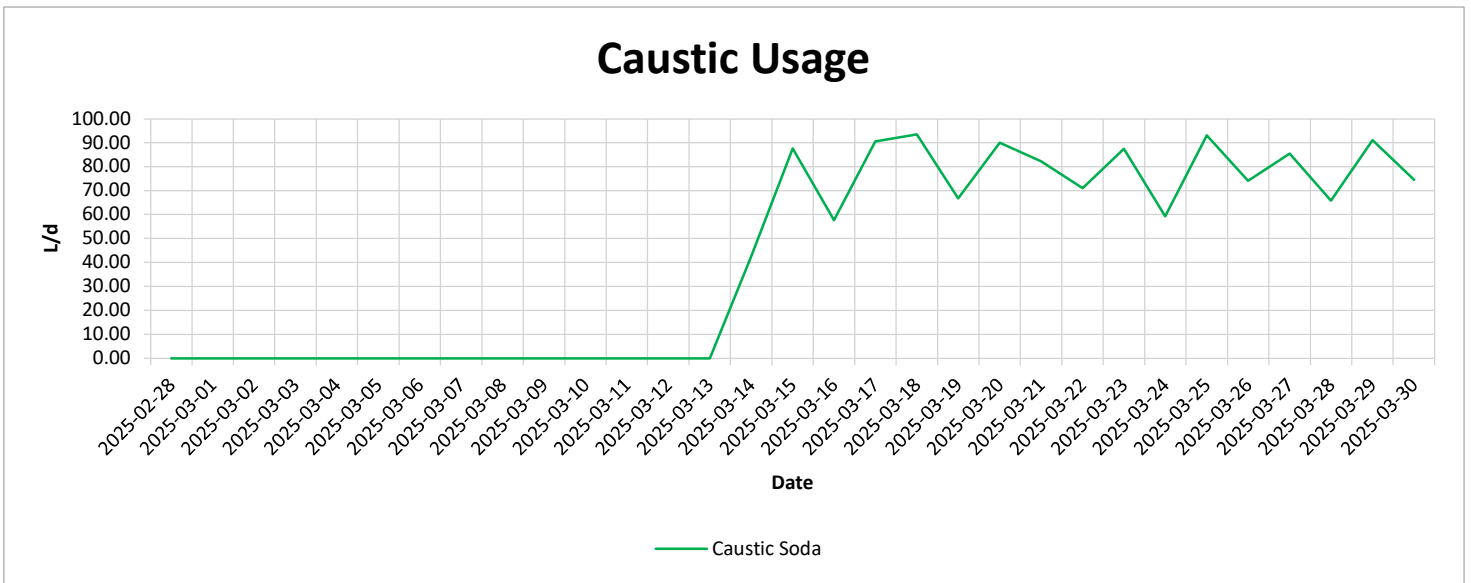
Total for Month
3412.87 Litres



Notes:

Casutic Soda Used:

Total for Month
1312.57 Litres



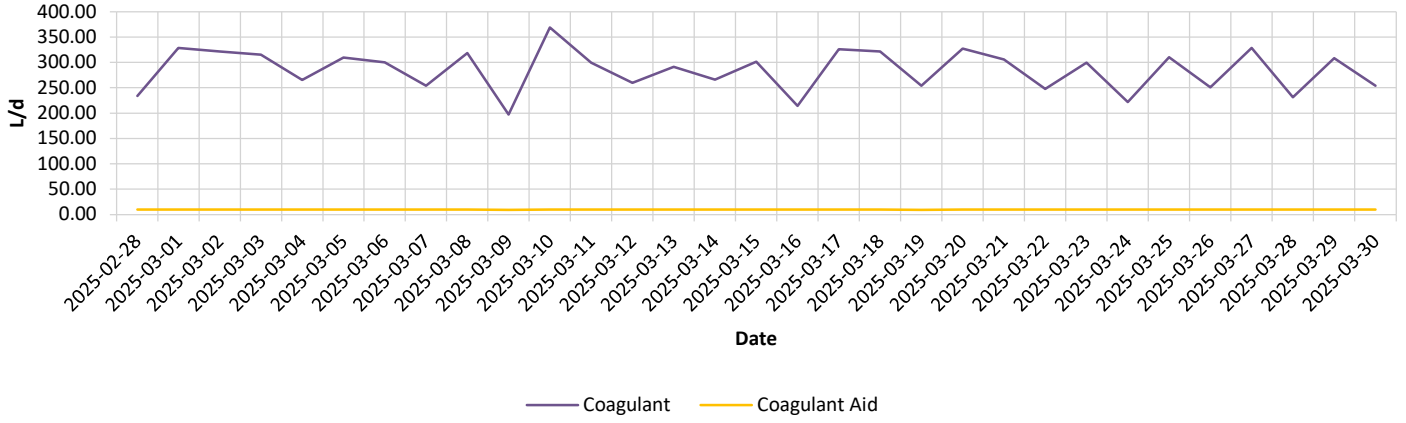
Notes:

Caustic was shut off in preparation for our quarterly LSI testing. We will turn off again approximately 1 week before our next quarterly testing and perform this for 1 year before making any process changes.

Coagulant Used:
Coagulant Aid Used:

Total for Month
 8834.02 Litres
 294.95 Litres

Coagulant and Aid Usage



Notes:

Polymer @ .2% Concentration:

Total for Month
 27645.33 Litres

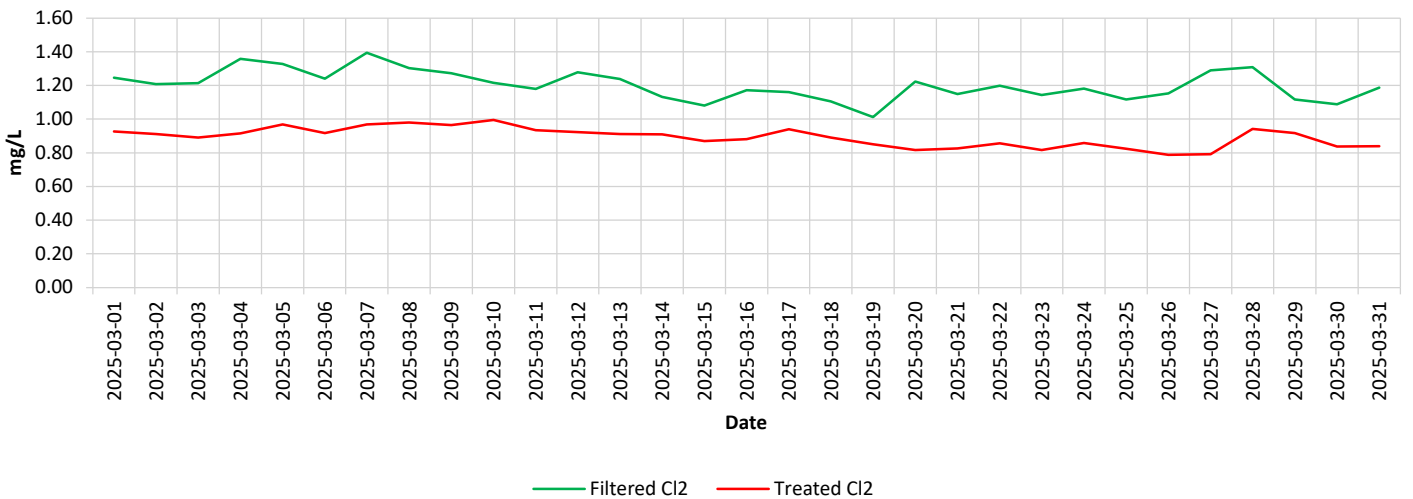
Polymer @ .5% Concentration:

Total for Month
 25300.21 Litres

Chlorine Dose

Filtered Water Residual Cl₂ Average (mg/L): 1.20 mg/L
 Treated Water (Distributed) Cl₂ Average (mg/L): 0.89 mg/L

Average Residual Cl₂ Content



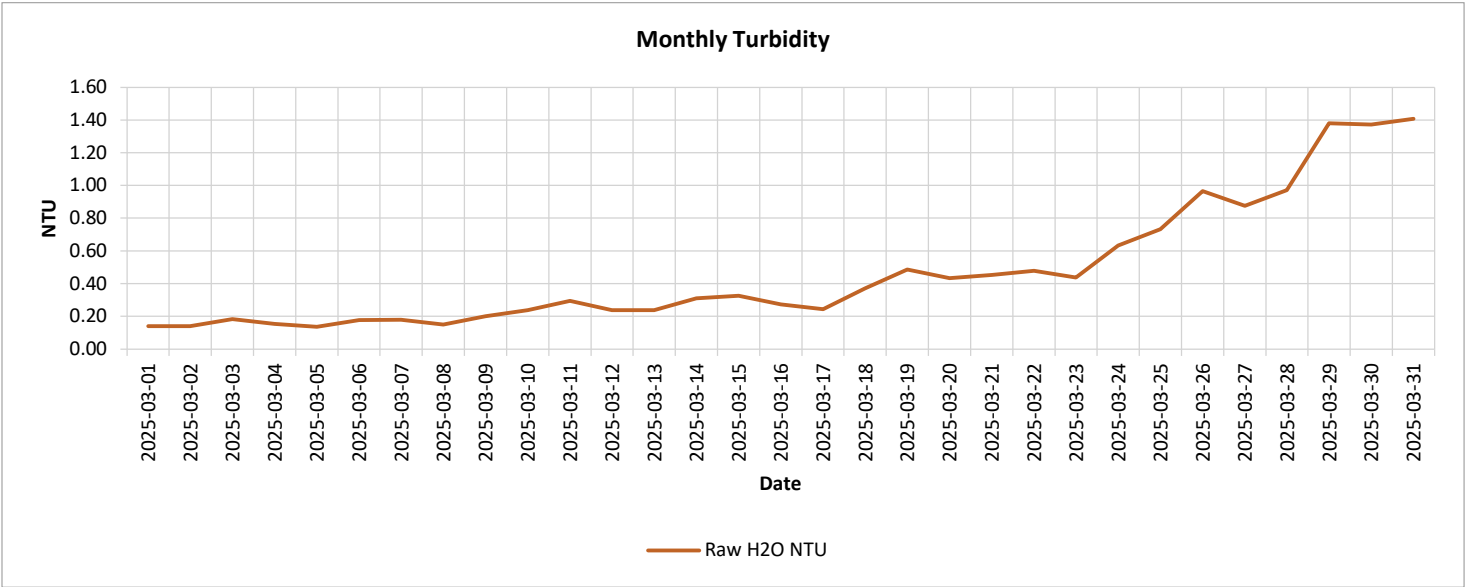
Water Quality Analytics:

Turbidity

Raw Water Monthly Average:

0.47

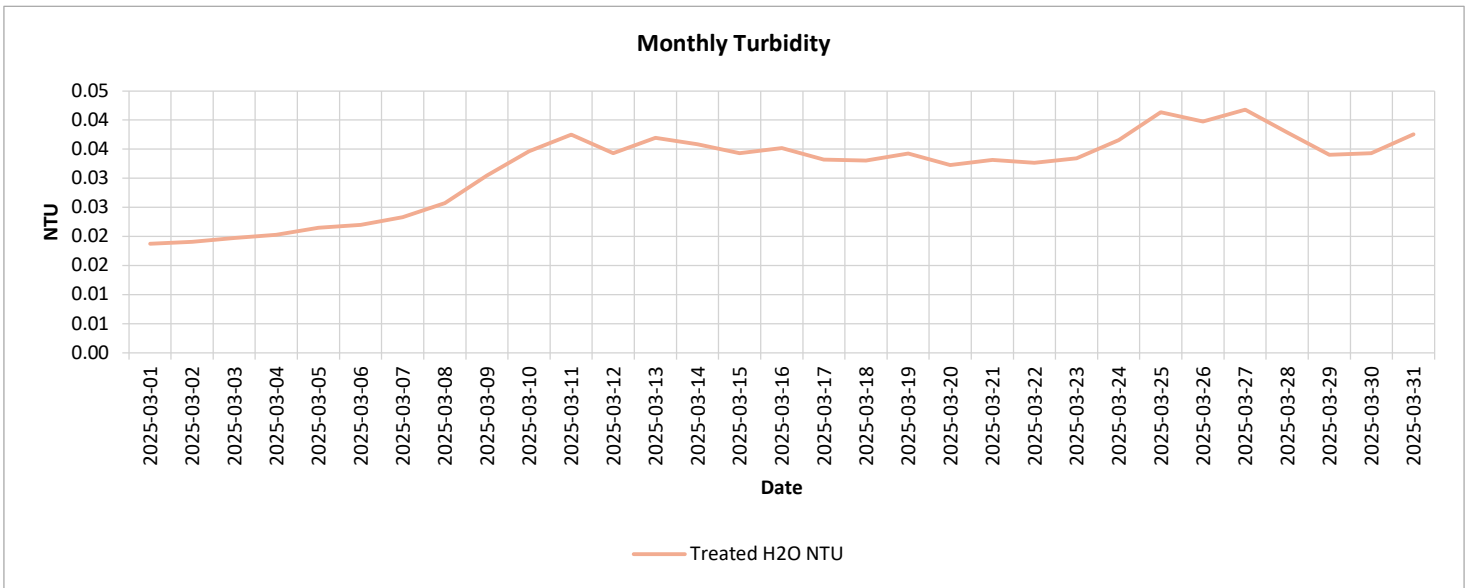
NTU



Treated Water Monthly Average:

0.03

NTU



Notes:

pH

Raw Water Monthly Average:

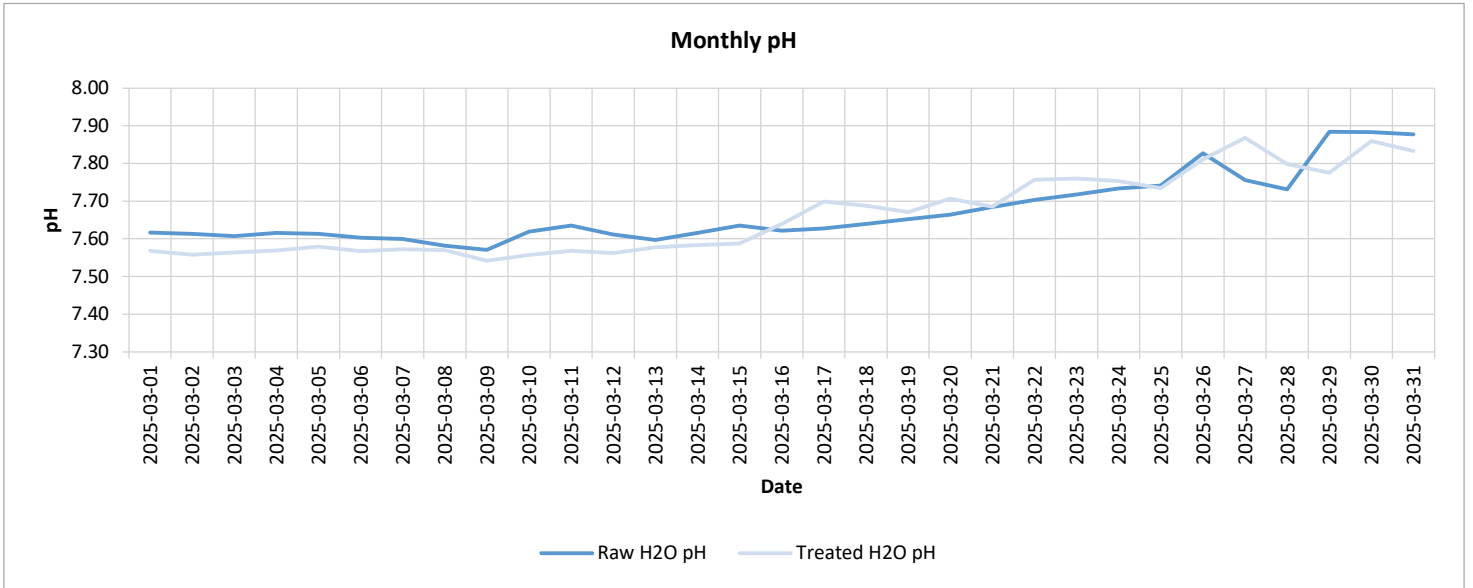
7.67

pH

Treated Water Monthly Average:

7.66

pH



Notes:

Empty box for notes.

Rose Valley WTP Operational Highlights:

- March 6th** - Prepare Daf 2 for entry, drain and clean for bi-annual maintenance
- March 7th** - Tested newly installed carrier water line for Cl2 trim. functioning appropriately
- March 11th** - Empty and clean Train 1 Poly day tank. Clean and flush Daf 2 poly lines, and install drains on the end of polymer injection manifold for ease of flushing in the fall.
- March 12th** - Plant shutdown to drain and clean common channel that feed filters. Change UV duty/standby during shut down; Increased all filter differential SP. from 1-1.2 to extend filter run times.
- March 14th** - Pump poly day tank from train 2 into train 1. Fire up Daf 1 to prepare train 2 for cleaning. Turned caustic pumps back on after quarterly testing was complete.
- March 18th** - Finish cleaning out train 2 poly tank; Clean out Daf 3 to prepare for entry and bi-annual cleaning.
- March 19th** - Clean and calibrate Raw and Channel NTU's; Perform Confined Space Entry on Daf 3 to flush polymer lines and install drains on poly injection line for ease of flushing in the spring.
- March 20th** - Start to drain Daf 4 to prep for cleaning; Increase Coagulant aid due to jar test
- March 25th** - Change bulb & ribbon in DOC analyzer;
- March 26th** - Overhead Crane annual testing; including forklift, gantry, & rigging; Daf 4 clean-out and entry;
- March 28th** - Drain Daf 1 to prep for entry and cleaning; Clean out poly "y" strainer for make down unit;

Rose Valley Watershed Operational Highlights:

Rose Valley

- Weekly Dam inspections
- Mar 3 Ran Generator and completed Piezometers
- Mar 11 Ice off/ Turned Air Compressors back on/Level 596.38m
- Mar 17 Level 596.37m fixed road going up to Dam
- Mar 31 Level 596.38m

BCI

- Mar 12 Checked BCI and Cedar creek flow is good
 - Mar 18 Checked BCI and Cedar creek flow is good
 - Mar 24 Checked BCI, flow over 3rd tier.
 - Mar 26 Was notified about Cedar creek rising quickly and culvert is at full capacity
 - Mar 27 Checked BCI, flow over 3rd tier. Cedar creek overflowed washing out road and exposing raw water main.
 - Mar 31 Checked BCI and Cedar creek. Flow has come up a bit at BCI almost over the 4th tier. Cedar creek nothing has changed about 6 feet of main is exposed water is running under pipe.
- (Note: April 2 No silt or debris noticed at BCI from washout on Bear Main)

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

March 2025

Water Quality Data Review

- Based on the distribution system sample monitoring data it appears the water quality objectives were met for free chlorine residual, turbidity and bacteriological parameters for the month.
 - Bacteriological Samples:
 - 26 samples analyzed at external lab (CARO Analytical)
 - 21 samples analyzed in-house at RWWTP
 - All bacteriological sample results indicate <1 CFU/100mL for Total Coliforms and <1 CFU/100mL for *E.coli*
- March 7, 2025 – Upper Boucherie Pump Station (UBPS) online FCR analyzer calibration adjustment 0.22mg/L increase.
- March 10, 2025 – Tallus Reservoir FCR was found to be 0.22 mg/L and had been trending down, the re-chlorination hypo pump was turned back on pumping at 80mL.
- March 12, 2025 – Rosewood Pump Station (RWPS) FCR analyzer cap fouled, the cap and electrolyte was replaced. FCR analyzer calibration adjustment 0.36 mg/L increase.
 - March 13, 2025 – The analyzer was then calibrated; calibration adjustment 0.01mg/L increase.
- March 17, 2025 – UBPS inlet and outlet online FCR analyzers were calibrated.
 - Inlet calibration adjustment 0.21 mg/L increase.
 - Outlet calibration adjustment 0.10 mg/L increase.
- March 21, 2025 – Lower Boucherie Pump Station (LBPS) online FCR analyzer was not running due to tripped electrical outlet. Analyzer was reset and recalibrated; calibration adjustment 0.57 mg/L increase.
- March 26, 2025 – RWPS FCR and ORP online analyzers were calibrated.
 - FCR calibration adjustment 0.10 mg/L decrease.
 - ORP calibration adjustment 60mV increase.
- March 28, 2025 – Menu Pump Station (MUPS) online ORP analyzer was calibrated; calibration adjustment 154mV.
- March 28, 2025 – Lakeview Cove Pump Station (LVCPS) turbidity sensor was cleaned and offset removed; calibration adjustment 0.27 NTU decrease.

Sampling Location Table:

Sample Name	Civic Address	Pressure Zone	WQ Sampling Rationale
Rosewood PS	1463 Rosewood Dr	597	1 st Customer water quality check. Replaced the RV Trails sample location, due to winter freezing issues with the sample station.
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.
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.

PS = Pump Station

SS= Sample Station

Operational System Improvements/Events

- March 6, 2025 – Tallus Reservoir level setpoints for the opening and closing of the fill valve was changed to help water age management in the reservoir, by increasing the span between the open and close setpoints.
- March 7, 2025 – 2489 Tallus Heights Dr a 2” air valve found leaking was replaced and a bleeder valve installed for draining and testing.
- March 17, 2025 – Blackwood Pump Station has an unexpected power outage, the EIT operator addressed any electrical resets or issues.
- March 18, 2025 – Pinewood Pump Station (PWPS) pump #2 was put back into service after the old pump was replaced.
- March 18, 2025 – Vineyard View Dr water main leak was located due to flooding downhill from location. Water was turned off at 2pm March 18th and turned back on after repair March 19th at 2pm. Type 1 break, water was turned off due to flooding of neighboring homes below break.
 - Three homes were out of water for 24 hours: 3279, 3281 & 3283 Vineyard View Dr
 - Letters were hand delivered to the three homes effected.

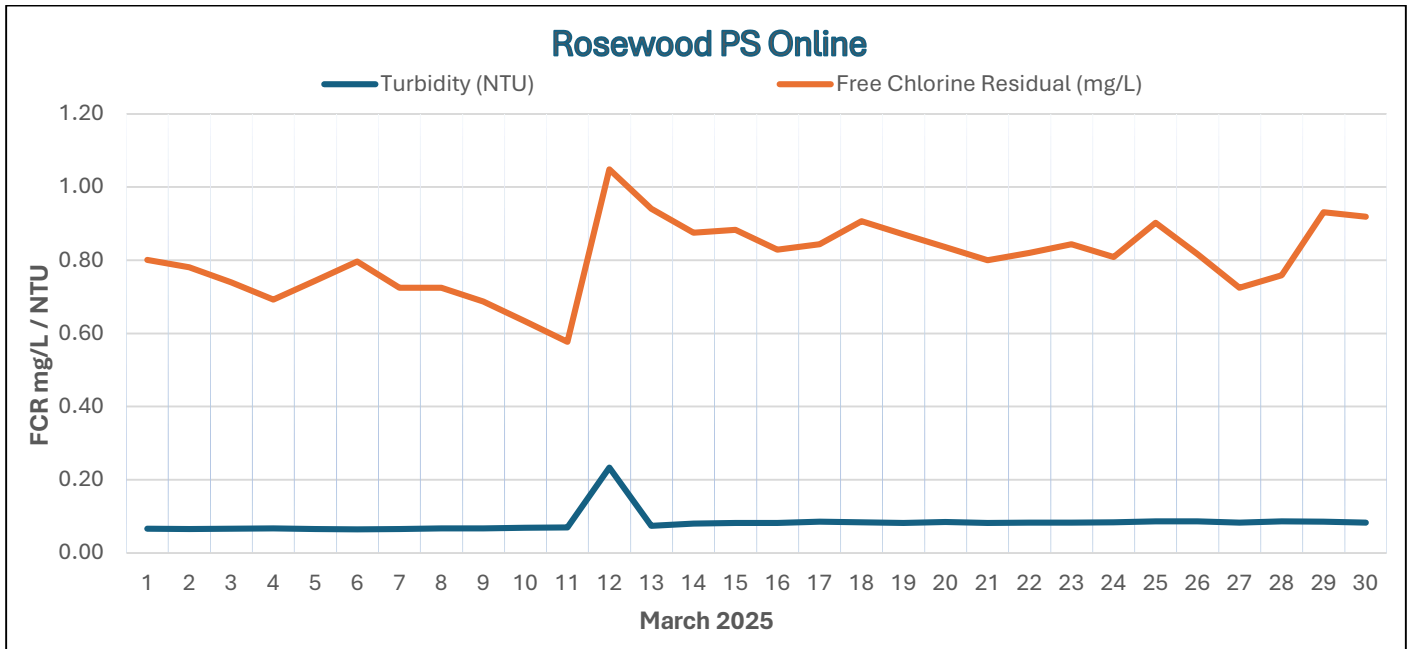
WQ Field Data and Online Data

Rosewood PS

Rosewood PS Online Data								
Date	Turbidity	Turbidity (Peak 1 Hr)	Free Chlorine Residual			Water 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)
March								
1	0.07	0.07	0.76	0.84	0.80	4.82	7.52	764
2	0.07	0.07	0.75	0.81	0.78	4.88	7.50	761
3	0.07	0.07	0.70	0.77	0.74	4.89	7.50	756
4	0.07	0.07	0.64	0.74	0.69	4.95	7.50	753
5	0.07	0.07	0.63	0.84	0.74	5.05	7.51	751
6	0.07	0.07	0.76	0.84	0.80	5.09	7.50	749
7	0.07	0.07	0.65	1.49	0.72	5.08	7.50	745
8	0.07	0.07	0.65	0.78	0.72	5.16	7.49	742
9	0.07	0.07	0.61	0.76	0.69	5.17	7.49	743
10	0.07	0.07	0.59	0.67	0.63	5.12	7.48	738
11	0.07	0.07	0.51	0.67	0.58	5.11	7.47	732
12	0.23	2.04	0.00	43.79	1.05	5.21	7.48	732
13	0.07	0.08	0.77	1.09	0.94	5.06	7.49	729
14	0.08	0.08	0.85	0.92	0.88	5.12	7.49	726
15	0.08	0.08	0.85	0.91	0.88	5.24	7.49	727
16	0.08	0.09	0.77	0.89	0.83	5.16	7.50	728
17	0.09	0.09	0.76	0.91	0.84	5.16	7.55	730
18	0.08	0.09	0.87	0.94	0.91	5.17	7.61	734
19	0.08	0.08	0.83	0.91	0.87	5.09	7.58	737
20	0.08	0.09	0.50	0.90	0.84	5.16	7.58	734
21	0.08	0.08	0.73	0.84	0.80	5.24	7.62	731
22	0.08	0.09	0.79	0.86	0.82	5.31	7.63	735
23	0.08	0.09	0.81	0.89	0.84	5.35	7.68	738
24	0.08	0.09	0.76	0.86	0.81	5.42	7.70	737
25	0.09	0.09	0.00	9.22	0.90	5.70	7.68	737
26	0.09	0.09	0.62	0.90	0.82	5.81	7.68	745
27	0.08	0.09	0.69	0.75	0.72	5.81	7.75	717
28	0.09	0.09	0.69	0.90	0.76	6.01	7.80	713
29	0.09	0.09	0.84	1.00	0.93	6.03	7.76	733
30	0.08	0.09	0.87	0.97	0.92	6.08	7.74	736
31	0.08	0.08	0.77	0.88	0.83	6.34	7.82	726
Average	0.08	-----	0.68	2.53	0.81	5.32	7.58	737
Min	0.07	-----	0.00	0.67	0.58	4.82	7.47	713
Max	0.23	2.04	0.87	43.79	1.05	6.34	7.82	764

Rosewood PS Water Quality Field Data

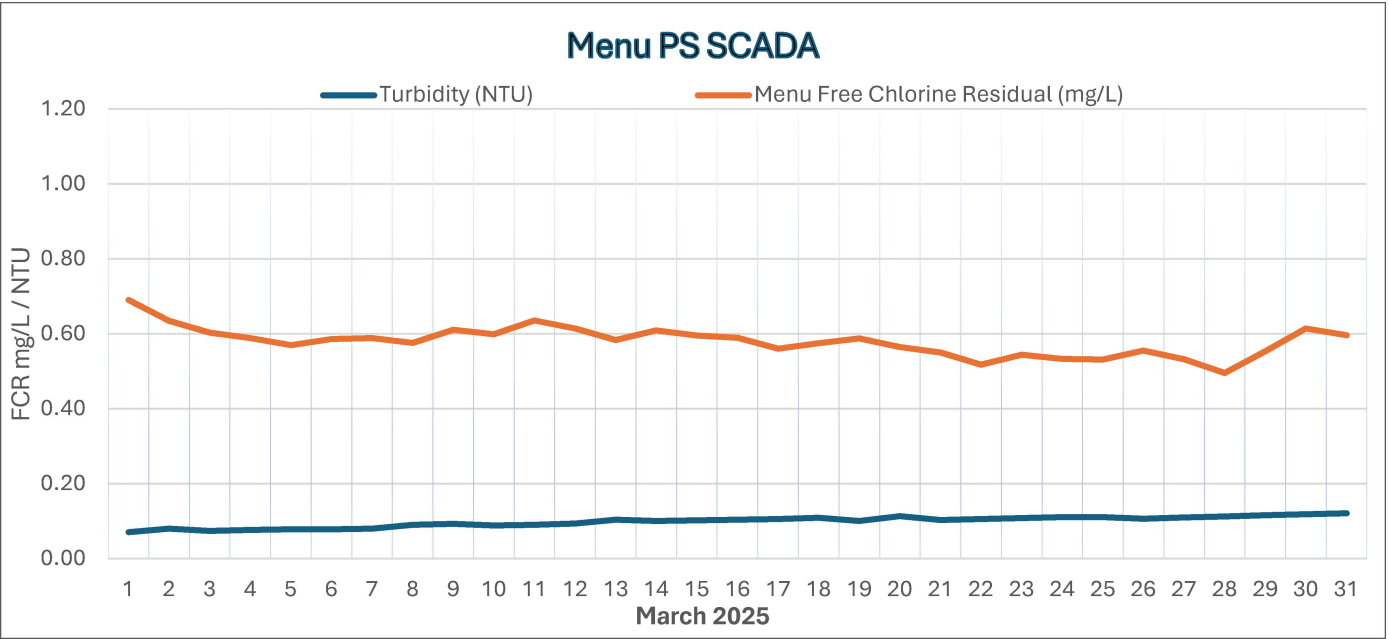
Date	Turbidity		Water Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
03-Mar-25	0.12	0.06	4.90	0.87		7.43
07-Mar-25	0.15	0.06	5.00	0.85	0.73	7.67
10-Mar-25	0.08	0.08	5.20	0.85	0.61	7.48
12-Mar-25	0.14	0.07	5.10	0.87	0.46	7.62
14-Mar-25	0.15	0.07	5.20	0.91	0.88	7.67
17-Mar-25	0.09	0.08	5.20	0.87	0.81	7.53
19-Mar-25	0.09	0.08	5.20	0.70	0.87	7.58
21-Mar-25	0.08	0.08	5.20	0.81	0.82	7.58
25-Mar-25	0.13		5.90	0.84		7.61
Sample #	9	8	9	9	7	9
Average	0.11	0.0725	5.21	0.84	0.74	7.57
Min	0.08	0.06	4.9	0.7	0.46	7.43
Max	0.15	0.08	5.9	0.91	0.88	7.67



Menu PS

Menu PS Online Data									
Date	Combined Flow Total From RV	Turbidity	Turbidity (Peak 1 Hr)	Water 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)
March									
1	1558	0.07	0.08	4.69	7.21	718	0.63	0.75	0.69
2	1100	0.08	0.10	4.85	7.20	713	0.60	0.67	0.63
3	1003	0.07	0.08	4.88	7.19	709	0.57	0.65	0.60
4	1480	0.08	0.09	4.90	7.19	706	0.57	0.61	0.59
5	1124	0.08	0.09	4.99	7.18	703	0.54	0.61	0.57
6	1082	0.08	0.09	5.05	7.19	703	0.57	0.62	0.59
7	1004	0.08	0.09	5.08	7.18	701	0.56	0.61	0.59
8	1652	0.09	0.12	5.14	7.18	698	0.54	0.64	0.58
9	974	0.09	0.19	5.21	7.17	699	0.58	0.64	0.61
10	1497	0.09	0.10	5.24	7.17	699	0.56	0.66	0.60
11	956	0.09	0.11	5.27	7.15	689	0.61	0.66	0.64
12	1183	0.09	0.10	5.33	7.15	689	0.59	0.64	0.61
13	889	0.10	0.11	5.36	7.16	689	0.54	0.62	0.58
14	1452	0.10	0.12	5.34	7.16	687	0.58	0.66	0.61
15	1397	0.10	0.12	5.42	7.17	687	0.55	0.63	0.60
16	661	0.10	0.11	5.46	7.17	687	0.55	0.63	0.59
17	1834	0.11	0.11	5.42	7.19	690	0.53	0.60	0.56
18	655	0.11	0.11	5.52	7.25	695	0.55	0.60	0.58
19	1525	0.10	0.11	5.47	7.26	700	0.54	0.61	0.59
20	839	0.11	0.11	5.58	7.23	701	0.54	0.59	0.56
21	1450	0.10	0.11	5.58	7.24	698	0.45	0.59	0.55
22	655	0.11	0.11	5.73	7.26	697	0.50	0.54	0.52
23	1468	0.11	0.11	5.70	7.27	703	0.50	0.58	0.54
24	1139	0.11	0.11	5.84	7.31	706	0.51	0.55	0.53
25	1026	0.11	0.12	5.91	7.32	706	0.48	0.60	0.53
26	1534	0.11	0.11	5.96	7.30	710	0.53	0.58	0.56
27	635	0.11	0.11	6.06	7.30	709	0.49	0.57	0.53
28	1473	0.11	0.12	6.20	7.35	751	0.45	0.73	0.50
29	608	0.12	0.12	6.20	7.35	768	0.50	0.60	0.55
30	1124	0.12	0.12	6.31	7.31	764	0.54	0.67	0.61
31	1032	0.12	0.12	6.35	7.33	762	0.54	0.65	0.60
Total	34451								
Average	1161.59	0.10		5.48	7.23	707.70	0.54	0.62	0.58
Min	607.92	0.07		4.69	7.15	686.57	0.45	0.54	0.50
Max	1833.58	0.12	0.19	6.35	7.35	768.48	0.63	0.75	0.69

Menu PS Water Quality Field Data						
Date	Turbidity		Water Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
03-Mar-25	0.14	0.07	4.9	0.68	0.59	7.57
05-Mar-25	0.17	0.08	4.8	0.72	0.57	7.32
07-Mar-25	0.1	0.08	5.1	0.65	0.57	7.54
10-Mar-25	0.14	0.08	5	0.69	0.6	7.77
12-Mar-25	0.08	0.09	5.3	0.67	0.62	7.45
14-Mar-25	0.13	0.09	5.3	0.7	0.59	7.56
17-Mar-25	0.13	0.11	5.5	0.67	0.55	7.48
19-Mar-25	0.11	0.11	5.5	0.74	0.58	7.52
21-Mar-25	0.17	0.1	6.2	0.61	0.51	7.63
25-Mar-25	0.13		7	0.6		7.55
Sample #	10	9	10	10	9	10
Average	0.13	0.09	5.46	0.67	0.58	7.54
Min	0.08	0.07	4.8	0.6	0.51	7.32
Max	0.17	0.11	7	0.74	0.62	7.77

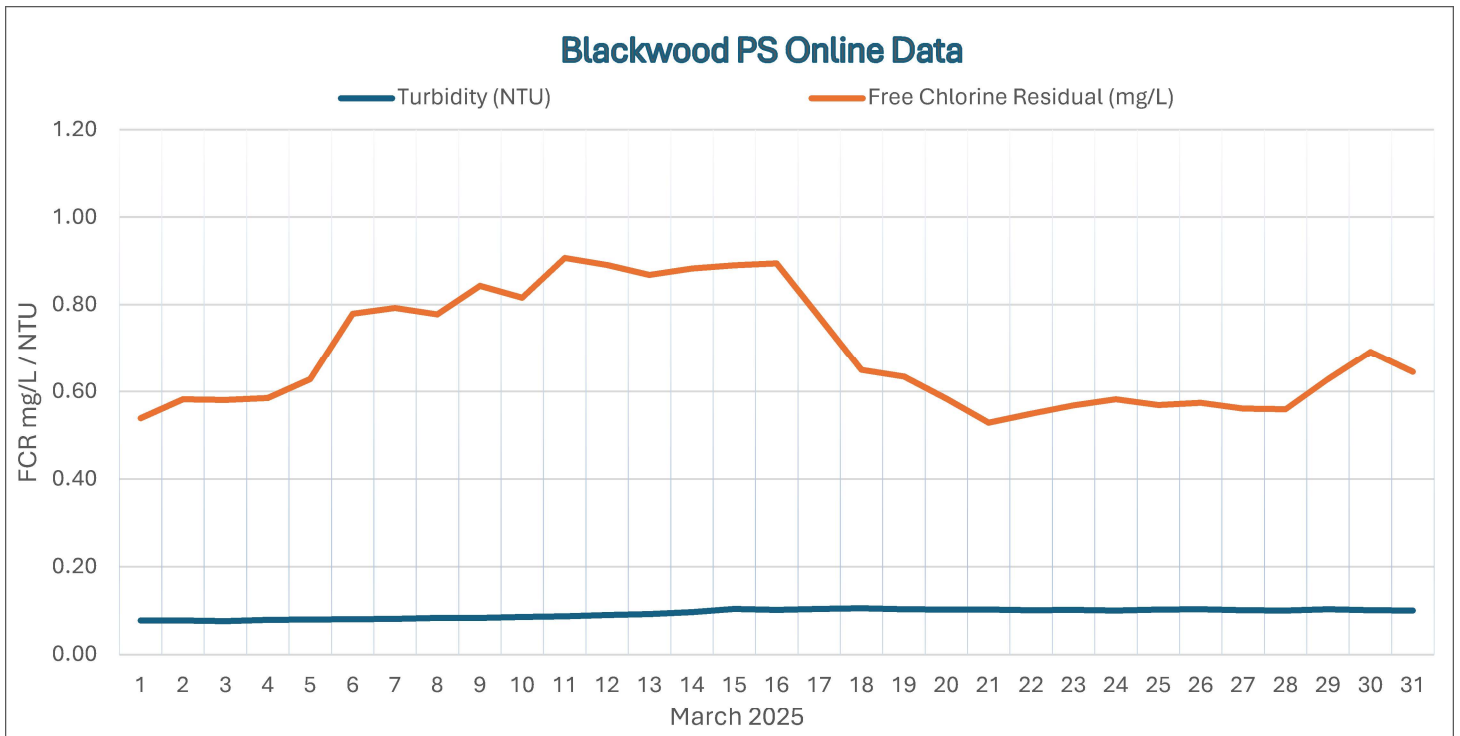


Blackwood PS

Blackwood PS Online Data

Date	RV To Blackwood Flow Total	Peak Flow	Turbidity	Turbidity (Peak 1 Hr)	FCR			Water Temp	pH	Conductivity	ORP
	(m ³)	Max (L/s)	Avg (NTU)	Max Based On 1 Hr Avg	Min (mg/L)	Max (mg/L)	Avg (mg/L)	Avg (°C)	Avg (pH)	Avg (us/cm)	Avg (mV)
March											
1	1113.1	33.3	0.08	0.08	0.48	0.59	0.54	6.77	7.52	209.63	667.13
2	1157.6	35.4	0.08	0.08	0.51	0.62	0.58	6.68	7.51	203.88	672.28
3	1031.7	33.3	0.08	0.08	0.51	0.61	0.58	6.92	7.50	201.27	668.88
4	999.4	34.9	0.08	0.08	0.52	0.61	0.59	6.85	7.50	201.10	670.16
5	980.7	32.5	0.08	0.08	0.53	0.76	0.63	6.98	7.50	200.65	667.28
6	1036.1	37.2	0.08	0.08	0.69	0.80	0.78	6.96	7.50	200.90	668.36
7	979.4	38.9	0.08	0.08	0.69	0.83	0.79	7.02	7.50	200.91	668.59
8	1038.8	33.0	0.08	0.09	0.67	0.88	0.78	7.06	7.49	201.11	664.80
9	1099.2	36.3	0.08	0.09	0.76	0.87	0.84	7.14	7.49	200.97	665.52
10	1183.6	37.6	0.09	0.09	0.75	0.87	0.82	6.49	7.48	203.15	664.57
11	1000.4	31.5	0.09	0.09	0.84	0.95	0.91	5.29	7.47	207.81	652.13
12	1039.6	41.9	0.09	0.09	0.82	0.93	0.89	5.24	7.47	206.85	652.56
13	1110.6	36.5	0.09	0.09	0.82	0.91	0.87	5.21	7.49	205.21	655.25
14	1014.4	33.2	0.10	0.10	0.80	0.93	0.88	5.27	7.49	204.55	653.23
15	923.2	35.9	0.10	0.11	0.83	0.93	0.89	5.42	7.50	204.91	653.55
16	1112.5	40.5	0.10	0.10	0.81	0.94	0.89	5.36	7.49	205.29	656.31
17	1007.5	33.8	0.10	0.11	0.00	8.86	0.77	5.38	7.51	204.71	662.09
18	980.1	36.8	0.11	0.11	0.60	0.69	0.65	5.44	7.58	206.27	670.73
19	934.4	36.0	0.10	0.11	0.57	0.68	0.63	5.47	7.60	206.00	677.63
20	1030.3	38.1	0.10	0.11	0.53	0.61	0.58	5.45	7.57	204.95	677.63
21	947.2	37.9	0.10	0.11	0.49	0.59	0.53	5.50	7.56	204.41	670.82
22	1049.0	32.2	0.10	0.10	0.47	0.57	0.55	5.58	7.59	204.79	675.90
23	1073.3	37.0	0.10	0.10	0.53	0.58	0.57	5.69	7.60	204.67	684.28
24	1028.7	35.0	0.10	0.10	0.54	0.62	0.58	5.77	7.64	205.00	690.02
25	1076.5	36.1	0.10	0.10	0.53	0.60	0.57	5.84	7.65	204.62	689.35
26	1022.9	35.0	0.10	0.11	0.54	0.60	0.57	5.97	7.63	203.61	695.71
27	1082.3	36.5	0.10	0.10	0.52	0.59	0.56	6.04	7.64	203.51	695.58
28	1006.7	41.3	0.10	0.10	0.51	0.61	0.56	6.26	7.69	203.93	692.70
29	1187.4	40.2	0.10	0.11	0.54	0.74	0.63	6.24	7.70	204.21	707.21
30	1269.5	33.2	0.10	0.10	0.64	0.72	0.69	6.25	7.64	204.00	725.76
31	1028.3	33.3	0.10	0.10	0.60	0.68	0.65	6.46	7.66	204.13	720.80
Total	31431.138										
Average	1049.81	35.95	0.09		0.60	0.99	0.69	6.06	7.55	204.10	675.38
Min	923.22	31.50	0.08		0.00	0.57	0.53	5.21	7.47	200.65	652.13
Max	1269.54	41.86	0.11	0.11	0.84	8.86	0.91	7.14	7.70	209.63	725.76

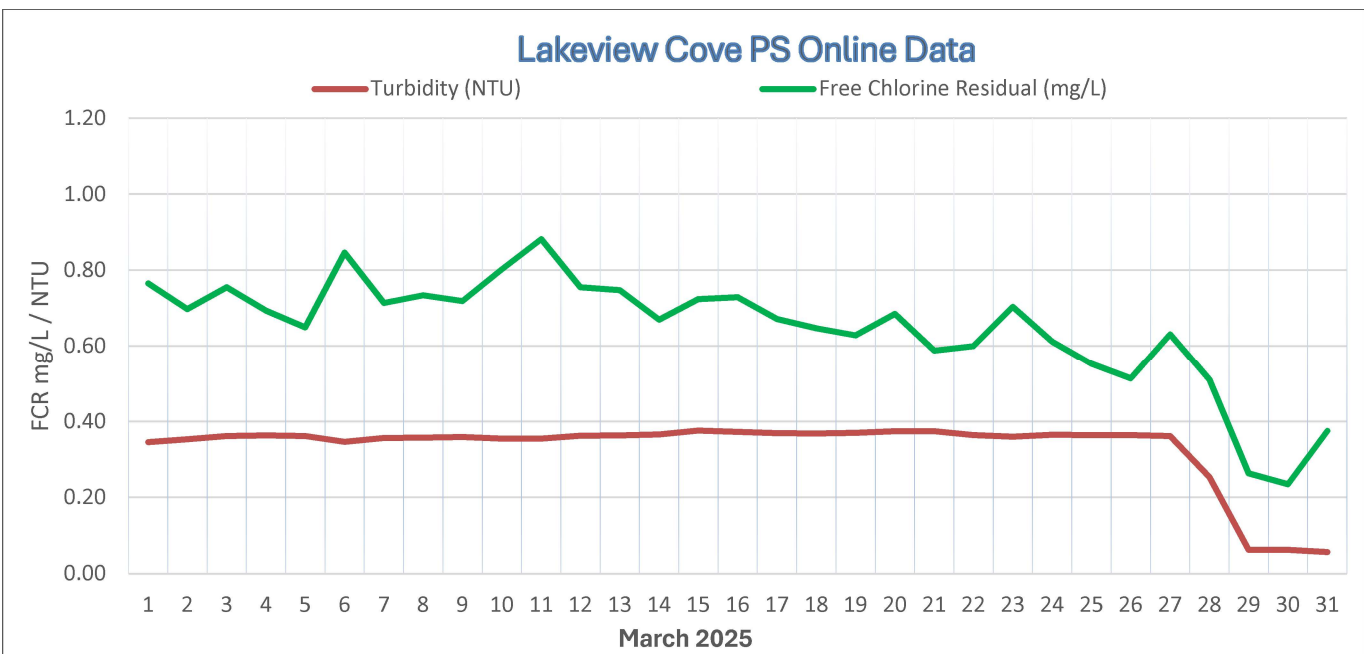
Blackwood PS Water Quality Field Data						
Date	Turbidity		Water Temp	FCR		pH
	Grab (NTU)	Online Analyser (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
03-Mar-25	0.18	0.08	5.20	0.68	0.49	7.57
05-Mar-25	0.11	0.08	5.50	0.70	0.47	7.62
07-Mar-25	0.14	0.08	5.10	0.72	0.60	7.33
10-Mar-25	0.13	0.08	5.60	0.69	0.58	7.51
12-Mar-25	0.17	0.08	6.00	0.71	0.56	7.69
14-Mar-25	0.14	0.09	4.80	0.75	0.90	7.61
17-Mar-25	0.22	0.10	5.40	0.66	0.41	7.44
19-Mar-25	0.12	0.10	5.40	0.54	0.61	7.70
21-Mar-25	0.12	0.10	5.20	0.63	0.52	7.50
25-Mar-25	0.18		8.10	0.68		7.53
Sample #	10	9	10	10	9	10
Average	0.15	0.09	5.63	0.68	0.57	7.55
Min	0.11	0.08	4.80	0.54	0.41	7.33
Max	0.22	0.10	8.10	0.75	0.90	7.70



Lakeview Cove PS

Lakeview Cove PS Online Data						
Date	Turbidity	Turbidity (Peak 1 Hr)	Free Chlorine Residual			Water Temp
	Avg (NTU)	Max Based On 1 Hr Avg	Min (mg/L)	Max (mg/L)	Avg (mg/L)	Avg (°C)
March						
1	0.35	0.35	0.69	0.83	0.77	6.77
2	0.35	0.36	0.65	0.75	0.70	6.88
3	0.36	0.37	0.72	0.86	0.76	6.95
4	0.36	0.37	0.66	0.72	0.69	6.94
5	0.36	0.37	0.60	0.80	0.65	6.84
6	0.35	0.35	0.77	0.89	0.85	6.66
7	0.36	0.36	0.66	0.82	0.71	6.93
8	0.36	0.36	0.69	0.79	0.73	7.12
9	0.36	0.36	0.65	0.82	0.72	7.32
10	0.35	0.36	0.65	1.03	0.80	7.02
11	0.35	0.36	0.76	1.06	0.88	7.26
12	0.36	0.36	0.65	0.86	0.76	7.30
13	0.36	0.36	0.67	0.88	0.75	7.32
14	0.37	0.37	0.59	0.76	0.67	7.35
15	0.38	0.46	0.58	0.79	0.72	7.09
16	0.37	0.37	0.64	0.82	0.73	7.22
17	0.37	0.37	0.60	0.76	0.67	7.32
18	0.37	0.37	0.60	0.72	0.65	7.28
19	0.37	0.38	0.58	0.70	0.63	7.31
20	0.37	0.46	0.57	0.75	0.69	6.93
21	0.37	0.42	0.54	0.68	0.59	7.21
22	0.36	0.37	0.45	0.73	0.60	7.20
23	0.36	0.36	0.60	0.82	0.70	7.38
24	0.36	0.37	0.53	0.71	0.61	7.57
25	0.36	0.37	0.48	0.67	0.55	7.81
26	0.36	0.37	0.47	0.66	0.51	7.70
27	0.36	0.36	0.57	0.70	0.63	7.89
28	0.25	0.37	0.00	1.53	0.51	8.72
29	0.06	0.06	0.23	0.33	0.26	9.45
30	0.06	0.06	0.21	0.34	0.24	9.37
31	0.06	0.07	0.30	0.42	0.37	9.02
Average	0.33		0.56	0.77	0.65	7.45
Min	0.06		0.00	0.33	0.24	6.66
Max	0.38	0.46	0.77	1.53	0.88	9.45

Lakeview Cove PS Water Quality Field Data						
Date	Turbidity		Water Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
03-Mar-25	0.18	0.36	6.90	0.75	0.75	
05-Mar-25	0.30	0.36	6.90	0.64	0.66	7.50
12-Mar-25	0.13	0.36	7.20	0.62	0.73	7.54
14-Mar-25	0.23	0.37	7.30	0.54	0.62	7.51
17-Mar-25	0.12	0.37	7.20	0.71	0.71	
19-Mar-25	0.18	0.37	7.30	0.60	0.65	7.39
21-Mar-25	0.34	0.37	8.00	0.55	0.54	7.66
Sample #	7	7	7	7	7	5
Average	0.21	0.37	7.26	0.63	0.67	7.52
Min	0.12	0.36	6.9	0.54	0.54	7.39
Max	0.34	0.37	8	0.75	0.75	7.66



WQ Field Data

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.

Thacker SS

Thacker SS Water Quality Field Data				
Date	Turbidity	Water Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
03-Mar-25	0.18	5.70	0.53	7.50
05-Mar-25	0.15	5.40	0.55	
07-Mar-25	0.20	5.90	0.51	7.57
10-Mar-25	0.14	6.30	0.56	7.69
12-Mar-25	0.25	6.50	0.66	7.60
14-Mar-25	0.12	6.20	0.49	7.46
17-Mar-25	0.19	6.60	0.53	7.29
19-Mar-25	0.13	5.90	0.45	
21-Mar-25	0.14	6.60	0.55	7.56
25-Mar-25	0.15	7.10	0.45	7.53
Sample #	10	10	10	8
Average	0.17	6.22	0.53	7.53
Min	0.12	5.4	0.45	7.29
Max	0.25	7.1	0.66	7.69

Shannon Way SS

Shannon Way SS Water Quality Field Data				
Date	Turbidity	Water Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
03-Mar-25	0.09	5.60	0.56	7.40
10-Mar-25	0.10	5.50	0.53	
17-Mar-25	0.12	6.20	0.51	7.30
25-Mar-25	0.16	6.90	0.50	7.51
Sample #	4	4	4	3
Average	0.12	6.05	0.53	7.4
Min	0.09	5.5	0.5	7.3
Max	0.16	6.9	0.56	7.51

Lower Horizon SS

Lower Horizon SS Water Quality Field Data				
Date	Turbidity	Water Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
03-Mar-25	0.13	4.8	0.46	7.5
07-Mar-25	0.14	4.9	0.45	7.65
10-Mar-25	0.15	5.1	0.39	7.47
14-Mar-25	0.14	6.4	0.5	7.5
17-Mar-25	0.15	5.8	0.6	7.43
21-Mar-25	0.16	6.3	0.68	7.72
25-Mar-25	0.17	6.6	0.52	7.7
Sample #	7	7	7	7
Average	0.15	5.7	0.51	7.57
Min	0.13	4.8	0.39	7.43
Max	0.17	6.6	0.68	7.72

Pritchard SS

Pritchard SS Water Quality Field Data				
Date	Turbidity	Water Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
03-Mar-25	0.12	6.6	0.42	7.68
05-Mar-25	0.12	6.6	0.3	7.64
07-Mar-25	0.13	6.2	0.5	7.64
10-Mar-25	0.14	7.2	0.45	7.6
12-Mar-25	0.16	7.3	0.38	7.65
14-Mar-25	0.18	7.2	0.37	7.58
17-Mar-25	0.17	7.6	0.68	7.36
19-Mar-25	0.17	7.3	0.36	7.43
21-Mar-25	0.25	7	0.46	7.73
25-Mar-25	0.17	8.1	0.42	7.58
Sample #	10	10	10	10
Average	0.16	7.11	0.43	7.59
Min	0.12	6.2	0.3	7.36
Max	0.25	8.1	0.68	7.73

Vineyard View SS

Vineyard View SS Water Quality Field Data				
Date	Turbidity	Water Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
03-Mar-25	0.16	4.8	0.43	7.58
10-Mar-25	0.14	6	0.5	7.57
17-Mar-25	0.18	6.2	0.51	7.39
25-Mar-25	0.15	7.4	0.38	7.5
Sample #	4	4	4	4
Average	0.16	6.1	0.46	7.51
Min	0.14	4.8	0.38	7.39
Max	0.18	7.4	0.51	7.58

