

CITY OF WEST KELOWNA

Monthly Water Quality Report



Rose Valley Water Service Area

January 2025

WATER SUPPLY AND TREATMENT





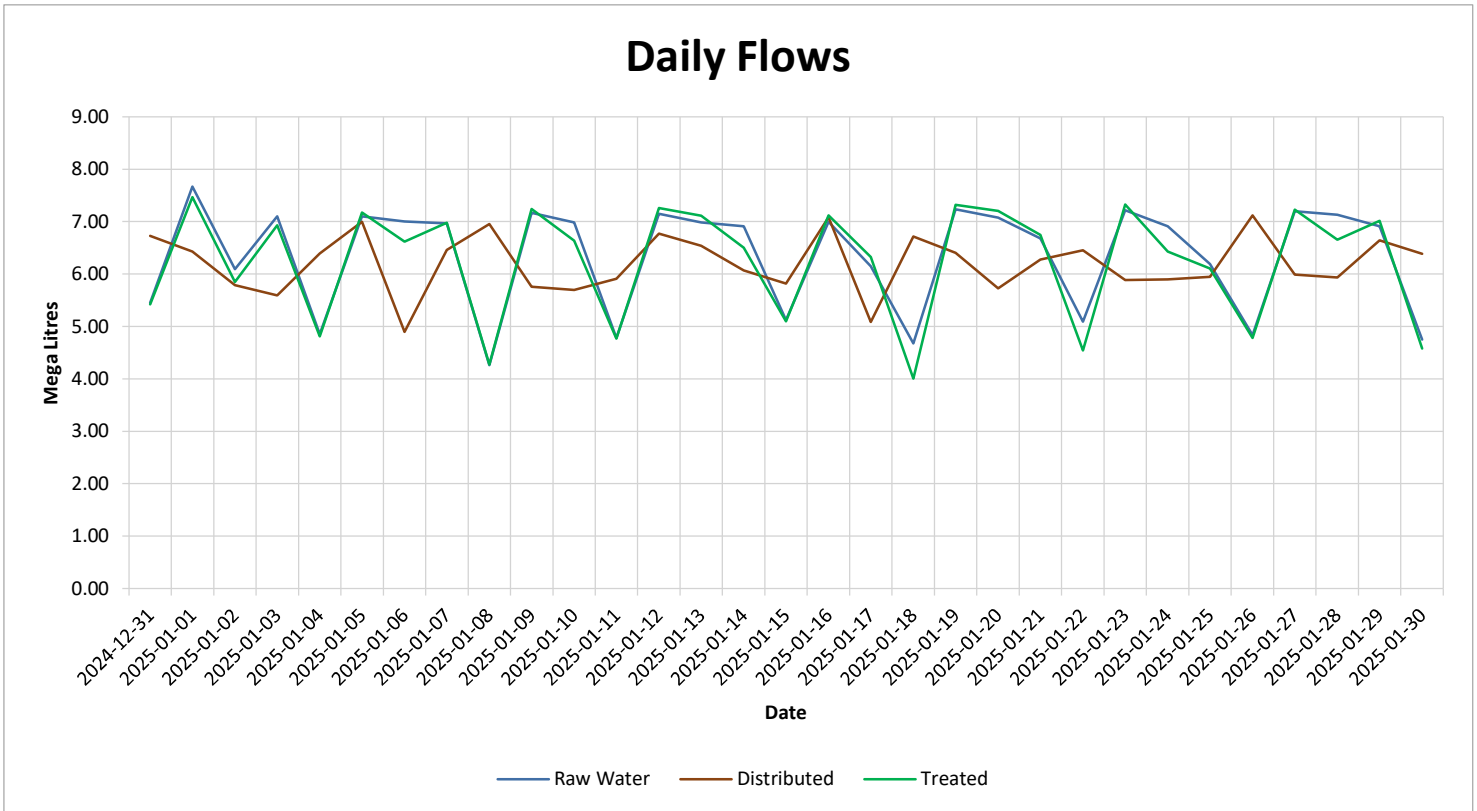
Rose Valley Water Treatment Plant Monthly Water Quality Summary

2025-02-10

January, 2025

Flow Demand:

	Total for Month
Raw Processed Water:	196.64 ML
Treated Water :	193.52 ML
Distributed Water :	192.34 ML
Backwash Water :	4.578109 ML



Notes:

Raw Water Specifications:

Date	Raw Turbidity (NTU)			Raw pH		
	Min	Max	Average	Min	Max	Average
2025-01-01	0.15	0.20	0.17	7.81	7.82	7.81
2025-01-02	0.14	0.19	0.16	7.80	7.82	7.81
2025-01-03	0.14	0.18	0.15	7.80	7.82	7.81
2025-01-04	0.13	0.19	0.15	7.78	7.81	7.80
2025-01-05	0.14	0.19	0.16	7.78	7.80	7.79
2025-01-06	0.13	0.17	0.15	7.78	7.86	7.82
2025-01-07	0.13	0.20	0.16	7.62	7.86	7.75
2025-01-08	0.14	0.19	0.16	7.64	7.69	7.66
2025-01-09	0.13	0.18	0.15	7.61	7.70	7.67
2025-01-10	0.13	0.19	0.15	7.64	7.68	7.66
2025-01-11	0.12	0.19	0.13	7.67	7.70	7.68
2025-01-12	0.12	0.18	0.13	7.70	7.72	7.71
2025-01-13	0.12	0.16	0.13	7.71	7.81	7.74
2025-01-14	0.13	0.15	0.14	7.73	7.76	7.74
2025-01-15	0.12	0.17	0.13	7.72	7.75	7.74
2025-01-16	0.12	0.18	0.14	7.70	7.75	7.72
2025-01-17	0.13	0.17	0.14	7.69	7.72	7.71
2025-01-18	0.13	0.18	0.14	7.69	7.71	7.71
2025-01-19	0.14	0.19	0.15	7.68	7.71	7.69
2025-01-20	0.15	0.42	0.30	7.69	7.71	7.70
2025-01-21	0.36	0.58	0.40	7.67	7.71	7.69
2025-01-22	0.36	0.44	0.39	7.66	7.67	7.66
2025-01-23	0.38	0.48	0.40	7.67	7.73	7.70
2025-01-24	0.39	0.44	0.41	7.69	7.70	7.69
2025-01-25	0.40	0.50	0.44	7.66	7.70	7.69
2025-01-26	0.41	0.52	0.46	7.67	7.69	7.68
2025-01-27	0.43	0.54	0.47	7.63	7.70	7.65
2025-01-28	0.43	0.56	0.47	7.63	7.65	7.64
2025-01-29	0.00	1.02	0.44	7.64	7.71	7.67
2025-01-30	0.00	12.65	0.51	7.63	7.66	7.65
2025-01-31	0.00	0.59	0.50	7.64	7.68	7.66

Notes:

Raw Water Specifications (Continued):

Date	Raw Temp (°C)			Raw DOC (mg/L)		
	Min	Max	Average	Min	Max	Average
2025-01-01	3.31	3.47	3.39	11.77	12.36	11.97
2025-01-02	3.31	3.61	3.39	11.72	12.21	11.95
2025-01-03	3.32	3.44	3.37	11.14	12.26	11.93
2025-01-04	3.39	3.72	3.48	11.72	12.26	11.90
2025-01-05	3.28	3.47	3.38	11.72	12.21	11.89
2025-01-06	3.28	6.89	3.32	0.00	120.10	11.84
2025-01-07	3.32	3.96	3.55	11.38	12.11	11.77
2025-01-08	3.69	5.05	4.10	11.53	11.97	11.73
2025-01-09	3.15	4.38	3.52	11.38	12.60	11.75
2025-01-10	3.12	3.25	3.18	11.53	12.01	11.74
2025-01-11	2.99	3.43	3.15	11.48	11.97	11.73
2025-01-12	2.84	3.01	2.89	11.14	12.26	11.73
2025-01-13	2.82	2.93	2.87	0.00	120.34	11.74
2025-01-14	2.90	3.01	2.96	11.53	12.45	11.73
2025-01-15	2.98	3.26	3.05	11.53	11.97	11.72
2025-01-16	2.94	3.04	2.98	11.48	11.97	11.71
2025-01-17	2.94	3.08	2.96	11.48	12.26	11.69
2025-01-18	2.98	3.33	3.08	11.28	11.87	11.66
2025-01-19	2.99	3.05	3.01	11.48	11.87	11.66
2025-01-20	3.01	3.07	3.03	11.48	11.87	11.66
2025-01-21	3.03	3.09	3.05	11.48	11.97	11.66
2025-01-22	3.03	3.31	3.09	11.28	12.21	11.64
2025-01-23	3.00	9.13	3.07	11.48	12.26	11.66
2025-01-24	3.10	3.21	3.13	11.48	11.87	11.68
2025-01-25	3.12	3.40	3.19	11.48	12.11	11.69
2025-01-26	3.14	3.41	3.21	11.48	11.87	11.70
2025-01-27	3.03	3.18	3.10	11.48	11.97	11.72
2025-01-28	3.08	3.15	3.11	11.38	11.97	11.72
2025-01-29	3.11	9.29	3.20	11.53	12.01	11.72
2025-01-30	3.19	3.48	3.27	11.48	11.87	11.71
2025-01-31	3.16	3.28	3.21	11.53	11.97	11.73

Notes:

Raw Water Specifications (Continued):

Date	Raw Cond R ($\mu\text{S}/\text{cm}$)			Streaming Current		
	Min	Max	Average	Min	Max	Average
2025-01-01	157.22	159.70	158.23	64.10	100.24	81.85
2025-01-02	135.34	159.36	143.55	-162.03	183.27	10.38
2025-01-03	135.24	137.20	136.26	-23.81	20.88	3.00
2025-01-04	134.99	137.17	136.05	-266.79	159.34	-81.98
2025-01-05	135.11	137.13	136.03	-25.03	-1.34	-8.98
2025-01-06	134.71	136.97	135.74	-87.06	30.65	8.35
2025-01-07	120.76	137.88	135.06	-9.16	27.96	0.50
2025-01-08	134.15	138.93	137.24	-316.36	197.68	-119.60
2025-01-09	132.12	139.14	137.73	-302.44	65.32	-0.01
2025-01-10	137.36	139.48	138.44	-0.85	48.72	24.46
2025-01-11	137.51	139.71	138.57	-342.25	197.92	-95.16
2025-01-12	137.80	140.15	138.96	-20.15	11.11	2.06
2025-01-13	137.95	140.02	139.08	-72.41	9.89	0.95
2025-01-14	137.48	139.78	138.68	-5.49	38.22	19.93
2025-01-15	137.07	139.65	138.36	-319.78	138.83	-87.90
2025-01-16	137.30	139.45	138.36	-133.94	7.69	-4.17
2025-01-17	137.29	139.24	138.21	-313.68	12.33	-29.71
2025-01-18	136.88	139.25	137.94	-316.36	178.63	-109.17
2025-01-19	136.90	138.94	137.97	-6.23	37.73	19.04
2025-01-20	136.80	138.75	137.78	-76.56	11.84	-4.32
2025-01-21	136.81	138.88	137.75	-287.79	252.14	-14.83
2025-01-22	136.59	139.06	137.78	-322.71	156.17	-94.61
2025-01-23	110.29	138.96	126.39	-147.86	13.80	-8.28
2025-01-24	110.73	112.70	111.72	-277.05	33.58	0.25
2025-01-25	111.06	112.86	111.99	-307.33	122.71	-34.63
2025-01-26	111.30	113.05	112.14	-314.41	182.05	-100.91
2025-01-27	111.63	113.38	112.46	-26.74	-9.16	-16.98
2025-01-28	111.72	113.22	112.47	-23.08	21.61	-0.13
2025-01-29	110.84	113.97	112.42	-263.37	107.57	-9.69
2025-01-30	112.12	114.17	113.06	-326.62	174.97	-115.68
2025-01-31	112.28	114.51	113.32	-30.40	16.00	-3.05

Notes:

Raw Water Specifications (Continued):

Date	Coagulated pH			Coagulated Temp (°C)		
	Min	Max	Average	Min	Max	Average
2025-01-01	7.67	7.70	7.69	3.42	4.18	3.60
2025-01-02	7.68	7.76	7.70	3.42	4.33	3.54
2025-01-03	7.68	7.70	7.70	3.40	4.15	3.58
2025-01-04	7.68	7.80	7.71	3.46	4.30	3.64
2025-01-05	7.68	7.69	7.68	3.36	3.53	3.46
2025-01-06	7.66	7.69	7.67	3.35	4.16	3.56
2025-01-07	7.38	7.67	7.53	3.31	3.60	3.42
2025-01-08	7.38	7.70	7.51	3.31	4.41	3.59
2025-01-09	7.41	7.67	7.43	3.16	3.99	3.23
2025-01-10	7.43	7.46	7.44	3.19	4.02	3.35
2025-01-11	7.43	7.78	7.54	3.00	4.05	3.31
2025-01-12	7.45	7.47	7.46	2.85	3.01	2.91
2025-01-13	7.46	7.47	7.47	2.85	2.95	2.91
2025-01-14	7.44	7.48	7.46	2.94	3.97	3.16
2025-01-15	7.44	7.80	7.54	2.98	3.80	3.13
2025-01-16	7.45	7.48	7.46	2.94	3.00	2.98
2025-01-17	7.46	7.76	7.49	2.93	3.26	2.96
2025-01-18	7.43	7.76	7.54	2.98	4.18	3.34
2025-01-19	7.45	7.48	7.47	2.98	3.25	3.11
2025-01-20	7.46	7.48	7.47	3.00	3.04	3.02
2025-01-21	6.82	7.73	7.44	3.02	4.00	3.06
2025-01-22	7.40	7.74	7.50	3.02	4.06	3.29
2025-01-23	7.42	7.47	7.44	3.00	3.29	3.09
2025-01-24	7.43	7.57	7.45	3.01	3.88	3.14
2025-01-25	7.45	7.75	7.48	3.02	3.48	3.12
2025-01-26	7.45	7.69	7.52	3.02	4.06	3.20
2025-01-27	7.46	7.47	7.46	2.99	3.07	3.03
2025-01-28	7.45	7.48	7.47	3.05	4.07	3.25
2025-01-29	7.42	7.54	7.48	3.09	3.81	3.16
2025-01-30	7.46	7.72	7.54	3.14	4.14	3.32
2025-01-31	7.47	7.49	7.48	3.10	3.83	3.30

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
2025-01-01	106.77	107.24	107.00	9.92	10.06	9.99
2025-01-02	79.51	107.60	107.05	9.89	10.07	10.02
2025-01-03	14.34	107.29	106.84	9.97	11.53	10.03
2025-01-04	107.09	108.08	107.49	9.74	10.01	9.94
2025-01-05	106.84	107.76	107.30	9.86	10.10	9.98
2025-01-06	106.84	107.28	107.11	9.95	10.08	10.00
2025-01-07	4.39	109.54	107.34	9.38	12.21	9.95
2025-01-08	108.59	110.01	109.22	9.56	10.07	9.74
2025-01-09	108.49	114.20	111.78	10.02	10.23	10.14
2025-01-10	113.45	140.82	126.25	9.49	10.16	9.88
2025-01-11	122.58	141.37	126.02	9.32	10.36	10.13
2025-01-12	122.36	126.38	125.12	10.23	10.50	10.42
2025-01-13	118.70	123.86	121.59	10.23	10.53	10.45
2025-01-14	118.68	130.83	121.57	10.01	10.47	10.38
2025-01-15	116.20	132.27	125.88	10.13	10.59	10.34
2025-01-16	110.77	140.17	120.57	9.80	10.59	10.33
2025-01-17	106.85	141.97	127.60	9.62	10.57	10.11
2025-01-18	107.31	108.28	107.70	10.26	10.59	10.51
2025-01-19	107.78	108.25	108.04	10.54	10.61	10.58
2025-01-20	108.19	108.89	108.55	10.59	10.63	10.61
2025-01-21	108.70	109.51	109.13	10.60	10.72	10.65
2025-01-22	109.44	110.21	109.74	10.49	10.73	10.68
2025-01-23	109.71	110.07	109.89	10.73	10.80	10.76
2025-01-24	109.77	110.17	109.97	10.77	10.83	10.80
2025-01-25	110.09	110.68	110.25	10.76	10.90	10.85
2025-01-26	110.30	111.24	110.63	10.65	10.90	10.85
2025-01-27	110.46	110.86	110.61	10.83	10.90	10.87
2025-01-28	110.33	110.86	110.52	10.74	10.82	10.79

Notes:

Train 1 Filter Turbidity (NTU):

Date	Filter 1			Filter 2			Filter 3		
	Min	Max	Average	Min	Max	Average	Min	Max	Average
2025-01-01	0.01	0.05	0.01	0.00	0.03	0.01	0.06	0.07	0.06
2025-01-02	0.01	0.01	0.01	0.00	0.01	0.01	0.05	0.12	0.06
2025-01-03	0.01	0.04	0.01	0.01	0.01	0.01	0.05	0.17	0.06
2025-01-04	0.01	0.02	0.01	0.01	0.01	0.01	0.05	0.08	0.05
2025-01-05	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.36	0.05
2025-01-06	0.01	0.01	0.01	0.01	0.02	0.01	0.05	0.48	0.05
2025-01-07	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.07	0.05
2025-01-08	0.01	0.01	0.01	0.01	0.02	0.01	0.04	0.06	0.04
2025-01-09	0.01	0.02	0.01	0.01	0.02	0.01	0.04	0.05	0.04
2025-01-10	0.01	0.05	0.01	0.01	0.02	0.01	0.04	0.07	0.04
2025-01-11	0.01	0.01	0.01	0.01	0.02	0.01	0.04	0.12	0.04
2025-01-12	0.01	0.01	0.01	0.01	0.02	0.01	0.03	0.06	0.04
2025-01-13	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.08	0.04
2025-01-14	0.01	0.01	0.01	0.01	0.02	0.01	0.03	0.05	0.03
2025-01-15	0.01	0.01	0.01	0.01	0.02	0.01	0.03	0.05	0.03
2025-01-16	0.01	0.01	0.01	0.01	0.02	0.01	0.03	0.04	0.03
2025-01-17	0.01	0.02	0.02	0.01	0.02	0.01	0.03	0.66	0.04
2025-01-18	0.02	0.02	0.02	0.01	0.05	0.01	0.03	0.85	0.04
2025-01-19	0.02	0.02	0.02	0.01	0.01	0.01	0.03	0.06	0.04
2025-01-20	0.02	0.04	0.03	0.01	0.02	0.01	0.03	0.08	0.03
2025-01-21	0.03	0.04	0.03	0.01	0.02	0.01	0.03	0.67	0.06
2025-01-22	0.01	0.06	0.03	0.01	0.04	0.02	0.05	1.09	0.07
2025-01-23	0.01	0.02	0.02	0.01	0.02	0.02	0.06	0.19	0.08
2025-01-24	0.01	0.10	0.02	0.01	0.05	0.02	0.07	0.14	0.08
2025-01-25	0.01	0.02	0.02	0.02	0.03	0.02	0.08	0.15	0.08
2025-01-26	0.01	0.02	0.01	0.01	0.02	0.02	0.08	0.13	0.08
2025-01-27	0.01	0.02	0.01	0.02	0.03	0.02	0.08	0.18	0.09
2025-01-28	0.01	0.03	0.02	0.01	0.05	0.02	0.08	0.18	0.09
2025-01-29	0.02	0.03	0.02	0.01	0.02	0.02	0.07	0.13	0.09
2025-01-30	0.02	0.03	0.03	0.01	0.04	0.02	0.08	0.17	0.09
2025-01-31	0.01	0.08	0.02	0.02	0.04	0.02	0.08	0.13	0.09

Notes:

Filter 3 is turned off for the season.

Train 2 Filter Turbidity (NTU)

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

Notes:

Filter 4 is off for the season

UV Treatment:

	Average Flow	Avg Validated Dose	Undosed Flow
Date	(L/s)	(mj/cm2)	(ML)
2025-01-01	73.29	18.69	0.0000
2025-01-02	85.35	22.00	0.0004
2025-01-03	56.19	15.13	0.0000
2025-01-04	84.24	22.00	0.0006
2025-01-05	83.87	22.00	0.0000
2025-01-06	82.33	22.00	0.0000
2025-01-07	49.62	13.40	0.0000
2025-01-08	85.45	21.93	0.0006
2025-01-09	83.89	22.00	0.0196
2025-01-10	55.65	15.00	0.0000
2025-01-11	84.64	22.00	0.0009
2025-01-12	83.39	22.00	0.0000
2025-01-13	82.33	22.00	0.0000
2025-01-14	59.61	16.18	0.0000
2025-01-15	83.50	22.00	0.0010
2025-01-16	82.87	22.00	0.0000
2025-01-17	44.32	12.00	0.0000
2025-01-18	85.43	22.00	0.0010
2025-01-19	85.04	22.00	0.0000
2025-01-20	78.67	21.50	0.0000
2025-01-21	58.86	15.84	0.0000
2025-01-22	85.86	22.00	0.0012
2025-01-23	81.28	22.00	0.0000
2025-01-24	71.73	19.64	0.0000
2025-01-25	55.82	15.24	0.0006
2025-01-26	84.60	22.00	0.0011
2025-01-27	83.49	22.00	0.0000
2025-01-28	81.14	21.66	0.0000
2025-01-29	54.34	14.94	0.0000
2025-01-30	84.81	22.00	0.0008
2025-01-31	83.63	22.00	0.0000

Monthly Total (ML): 0.0278

% of monthly water that was not UV treated: 0.014%

Notes:

UV Transmittance %:

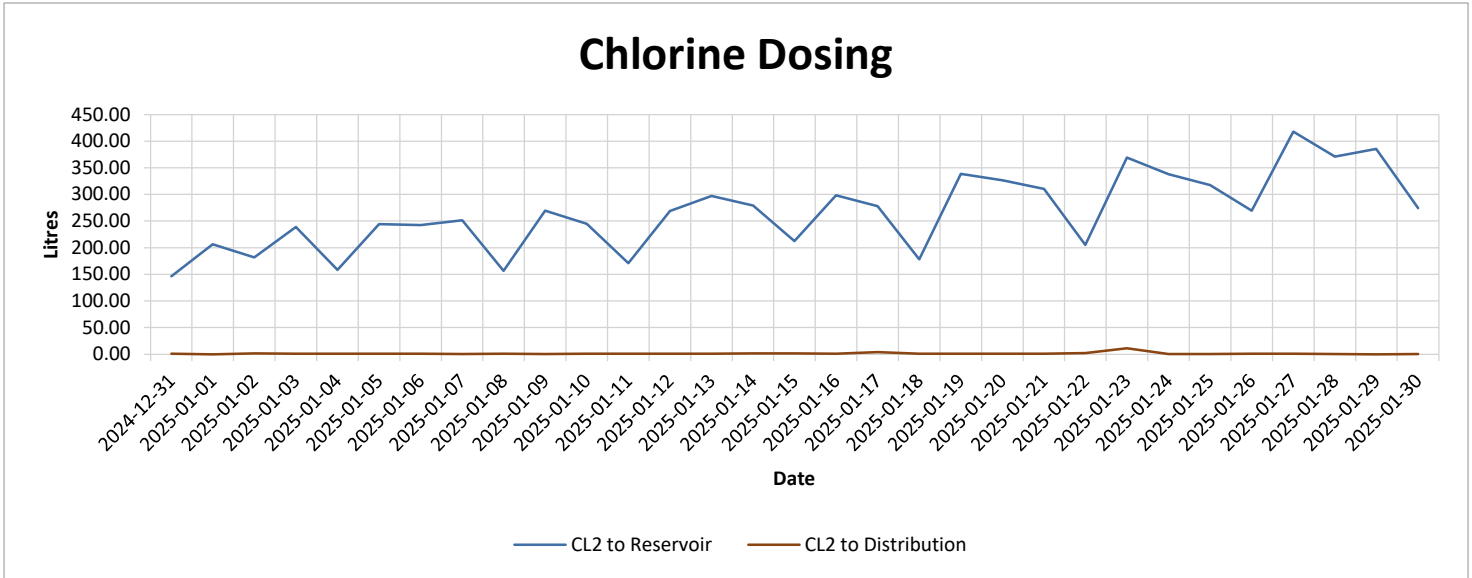
Date	Min	Max	Average
2025-01-01	87.59	89.16	88.39
2025-01-02	87.28	88.82	88.23
2025-01-03	87.72	89.11	88.41
2025-01-04	87.11	89.30	88.31
2025-01-05	87.42	88.74	88.12
2025-01-06	87.84	89.28	88.49
2025-01-07	87.84	88.99	88.29
2025-01-08	87.72	88.82	88.28
2025-01-09	87.64	89.28	88.11
2025-01-10	87.64	89.30	88.26
2025-01-11	87.72	89.16	88.49
2025-01-12	87.67	88.69	88.17
2025-01-13	87.55	89.06	88.18
2025-01-14	87.64	88.99	88.43
2025-01-15	87.40	89.04	88.24
2025-01-16	87.52	89.18	88.20
2025-01-17	0.00	100.00	88.34
2025-01-18	87.11	89.72	88.51
2025-01-19	87.11	89.65	88.79
2025-01-20	87.40	88.99	88.22
2025-01-21	86.89	88.62	87.94
2025-01-22	87.03	88.82	88.04
2025-01-23	87.30	89.04	88.13
2025-01-24	87.23	88.82	88.09
2025-01-25	87.16	88.91	88.15
2025-01-26	86.98	88.45	87.86
2025-01-27	86.98	88.30	87.76
2025-01-28	87.06	88.82	88.00
2025-01-29	86.69	88.94	87.88
2025-01-30	86.86	88.62	87.76
2025-01-31	87.23	89.45	88.03

Notes:

Chemical Demand:

Chlorine Used:

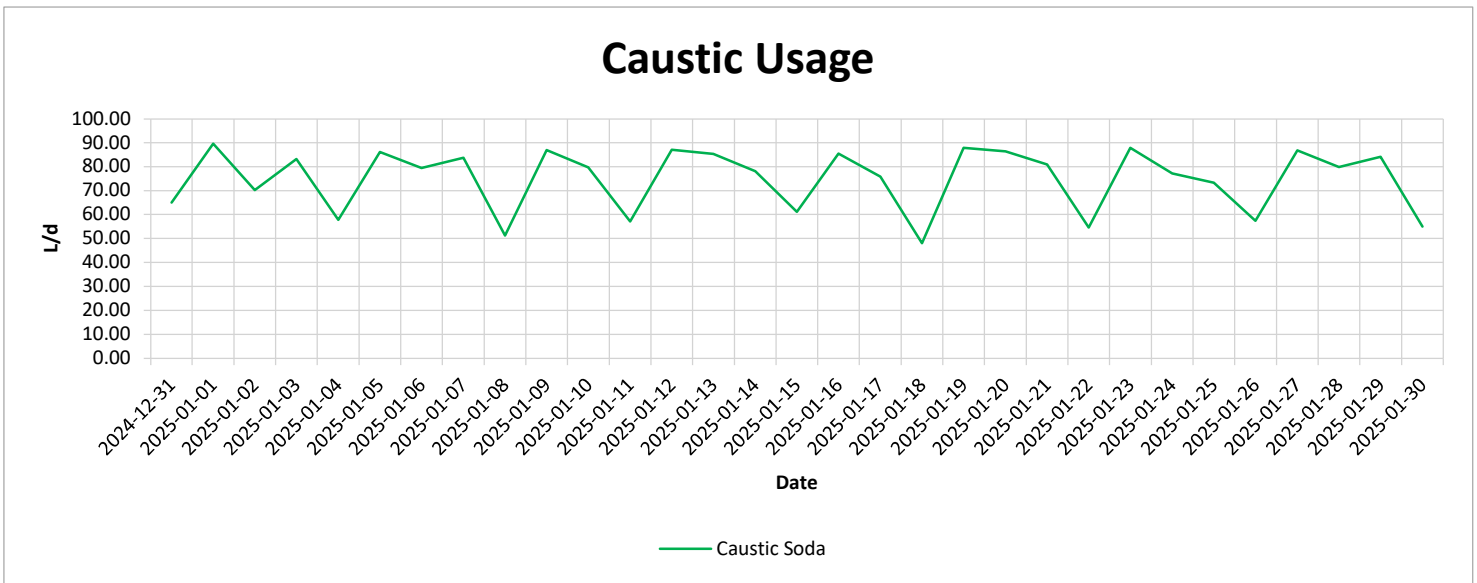
Total for Month
8279.37 Litres



Notes:

Caustic Soda Used:

Total for Month
2321.92 Litres

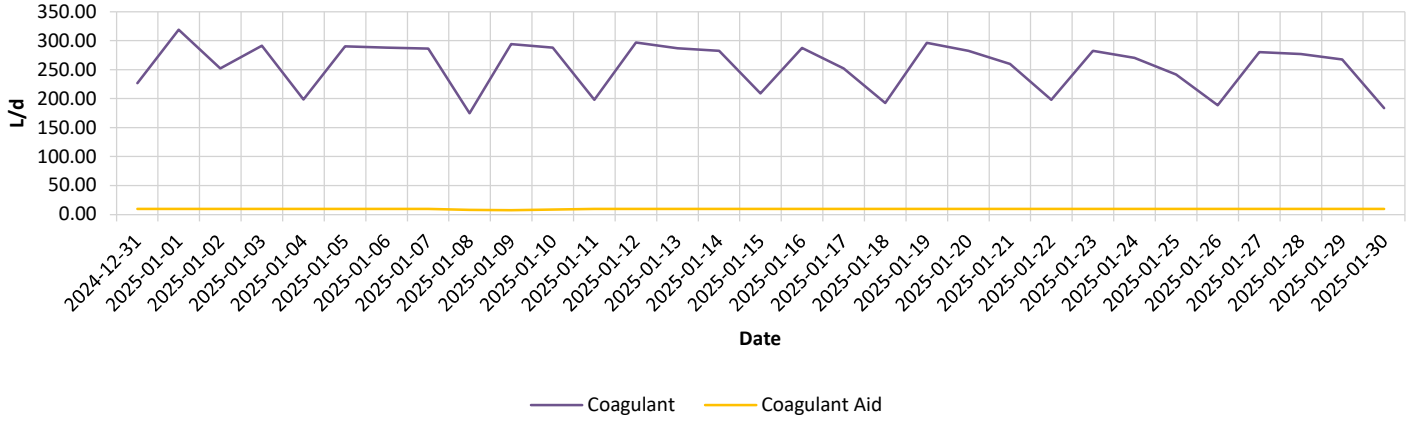


Notes:

Coagulant Used:
Coagulant Aid Used:

Total for Month
 7945.74 Litres
 291.65 Litres

Coagulant and Aid Usage



Notes:

Polymer @ .2% Concentration:

Total for Month
 21664.39 Litres

Polymer @ .5% Concentration:

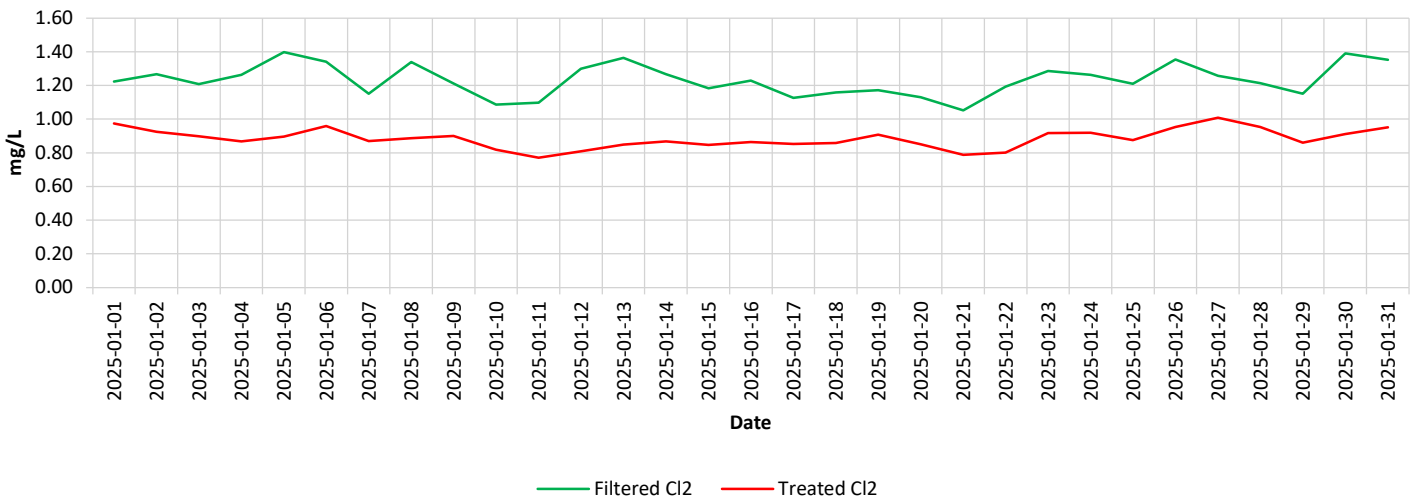
Total for Month
 33830.04 Litres

Chlorine Dose

Filtered Water Residual Cl2 Average (mg/L): 1.23 mg/L

Treated Water (Distributed) Cl2 Average (mg/L): 0.88 mg/L

Average Residual CL2 Content



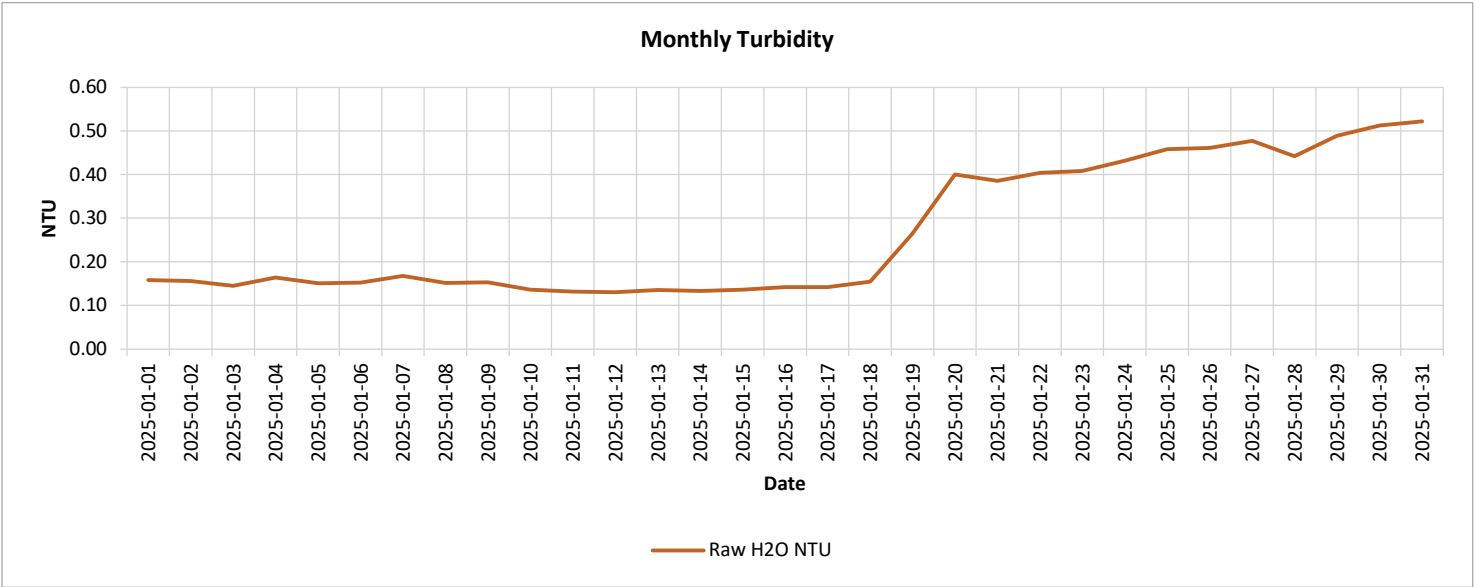
Water Quality Analytics:

Turbidity

Raw Water Monthly Average:

0.27

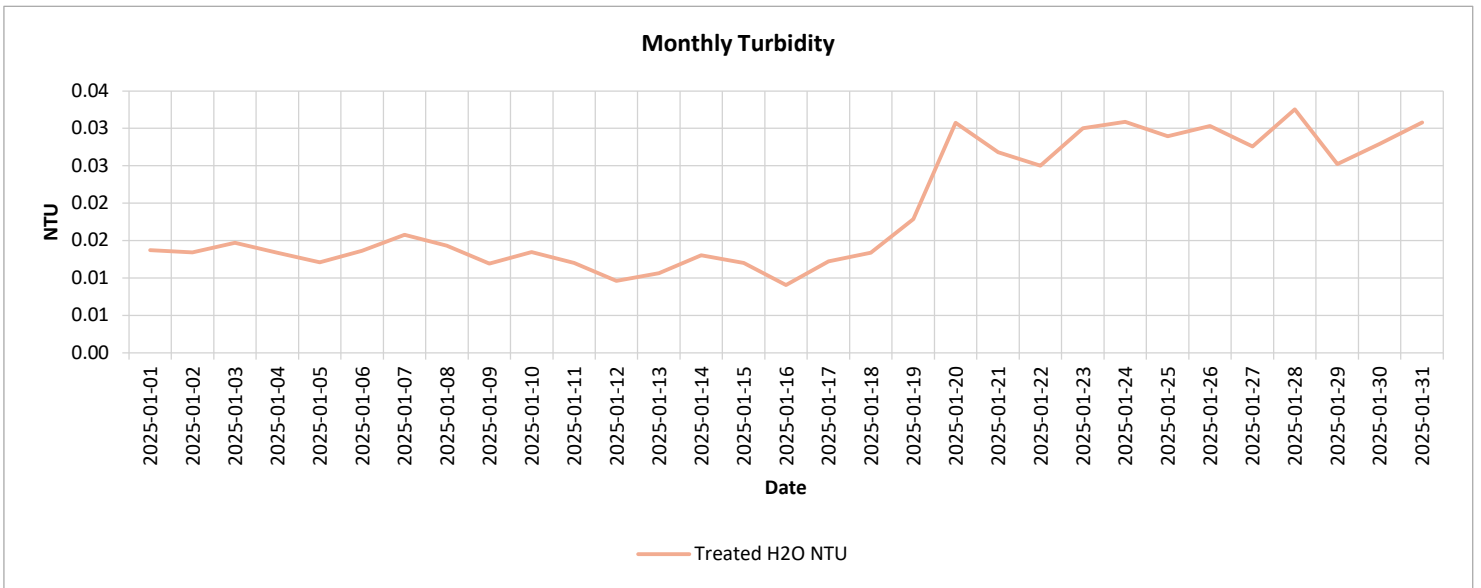
NTU



Treated Water Monthly Average:

0.02

NTU



Notes:

pH

Raw Water Monthly Average:

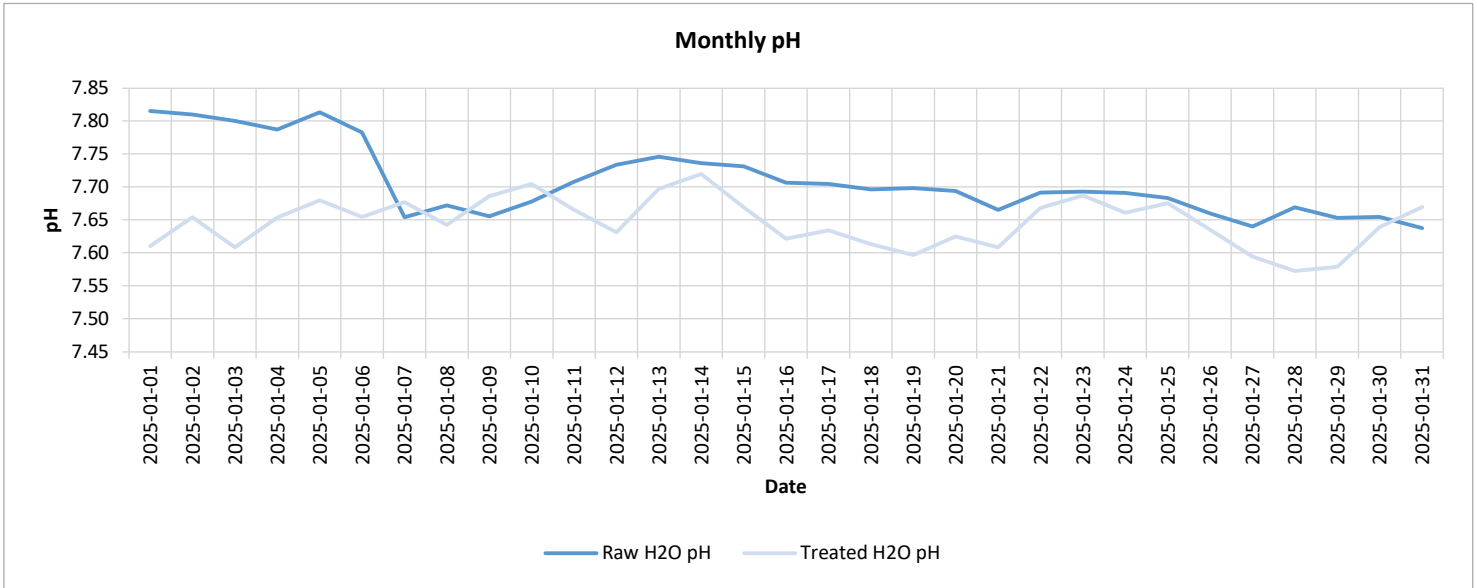
7.71

pH

Treated Water Monthly Average:

7.65

pH



Notes:

Rose Valley WTP Operational Highlights:

Jan 6th - Replaced Dessicant cartridge in Raw DOC meter

Jan 7th - Noticed aire bubbles in Sonde housing, which could have caused a false high of DO. Tightened fittings and watched DO drop to 9.0mg/L.

Jan 7th - Increased time to backwash from 60 hours to 72 hours.

Jan 8th - Increased time to backwash from 72 hours to 90 hours.

Jan 17th - Cleaned UVT Quartz cell on Filtered Water analyzers, re-zeroed with new glass

Jan 21st - Plant Shut down due to lower Instrument Air Pressure. Flushed and re-charged compressor tank. Started plant back up with no issues.

Jan 23rd - Calibrated raw conductivity

Jan 29th - High temp warning on Plant Power Transformer. Shut off Filtered Water pumps. Reset after investigation and put everything back in service. Did not repeat itself

Jan 31st - Clean Daf Poly Strainer & change out cartridge filter on raw PRV pilot lines

Rose Valley Watershed Operational Highlights:

Rose Valley Watershed report for the month of January

Rose Valley

Weekly dam inspections completed

-Jan 13 ran Generator

-Jan 28 clean out Dam building

-Jan 27 turned off Air Compressors

BCI

-Jan14 checked air valves

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

January 2025

Water Quality Data Review

- Based on the noted distribution system water quality monitoring data, it appears the Water Quality Objectives were met for chlorine, turbidity, and microbiology this month.
 - Bacteriological samples:
 - 24 samples analyzed at external lab (CARO Analytical)
 - 24 samples analyzed in-house at RVWTP
 - All bacteriological sample results indicate <1 CFU/100mL for Total Coliform and <1 CFU/100mL for *E.coli*.
- January 6, 2025 – Blackwood PS recalibrated online chlorine analyzer due to reading lower than handheld samples.
- January 14, 2025 – Lakeview Cove PS – Online Turbidity spiked during routine exercising of isolation valves in station. Turbidity spike cleared and returned to normal upon operation of the pumps in the station.
- January 22, 2025 – Rosewood PS trending established on SCADA. Includes FCR, NTU, Temp, pH, and ORP monitoring.

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.

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

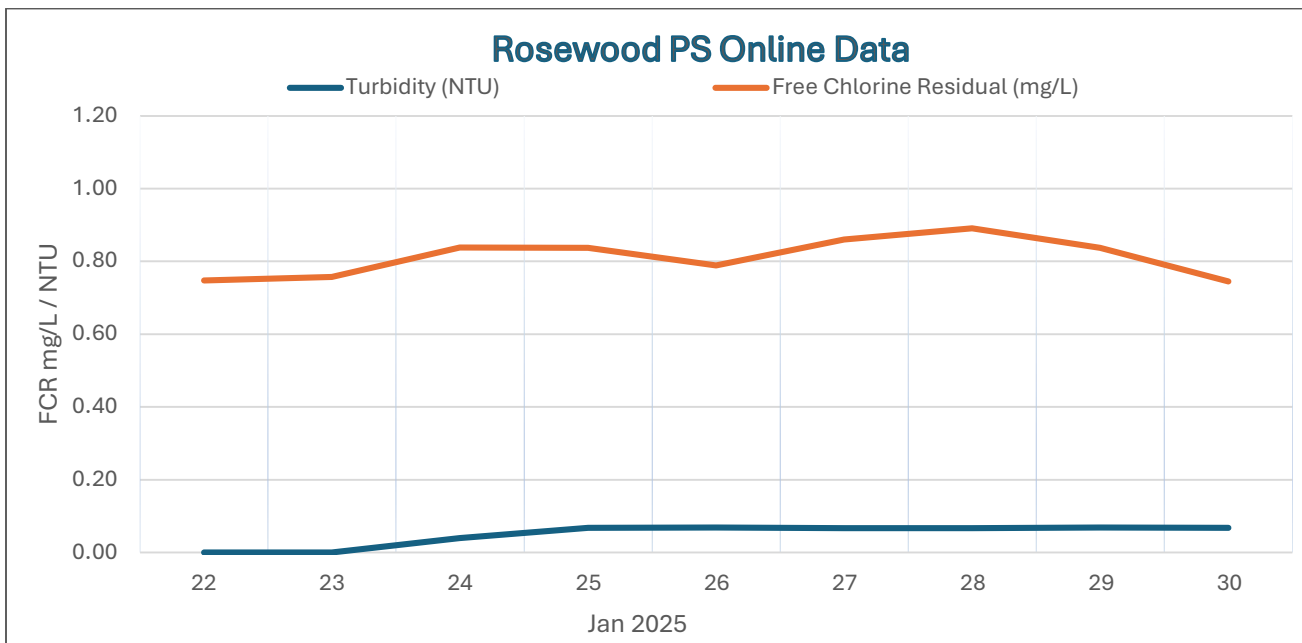
Operational System Improvements/Events

- January 6, 2025 – Boucherie PS – Found airlock on hypo skid not allowing for proper dosing during pump runs. Performed back-feed from Upper Boucherie Reservoir to Boucherie Reservoir as UBR was near 0.20mg/L FCR. Adjusted pump setpoints from 90% Start/ 92% Stop to 70% Start/ 92% Stop. Refilled reservoir from 72% to 92% after clearing airlock on hypo skid to allow for proper chlorine dosing.
- January 7, 2025 – Menu PS – Chlorine analyzer was serviced and calibrated, membrane cleaned, and NTU analyzer housing was flushed.
- January 7, 2025 – Rosewood PS – Adjusted Start/Stop setpoints from 80%/85% to 70%/85% to allow for more adequate water turnover inside Rosewood Reservoir.
- January 7, 2025 – Rosewood Reservoir – Measured FCR inside reservoir to be 0.10mg/L, added 5.8L of 6% sodium hypochlorite to reservoir to increase residual to a target of 0.50mg/L.
- January 8, 2025 – Shannon Way Reservoir – Measured FCR inside reservoir to be 0.10mg/L and added 2.8L of 6% sodium hypochlorite to increase residual to a target of 0.50mg/L.
- January 8, 2025 – Boucherie PS – Recalibrated outlet chlorine analyzer due to reading lower than handheld samples.
- January 9, 2025 – 1117 Allison Pl – Leak Repair – Replaced section of 2” water line with multiple leaks in pipe wall.
- January 9, 2025 – 791 McCartney Rd – Replaced air relief valve in front of property that may be contributing to increased entrapped air at the Thacker Sample Station.
- January 10, 2025 – Boucherie PS – Replaced check valves on hypochlorite dosing system at injection quill and check valve off hypochlorite pumps after observation of bypassing.
- January 14, 2025 – Blackwood PS – pH sensor failed over the weekend. It has been removed from the process and a fixed pH reference value has been set for Cl₂ Analyzer. A new pH sensor has been ordered.
- January 14, 2025 – Pinewoods BS – Changed pump setpoints to allow the Pinewoods Reservoir to draw down to 50% to test the roll seal located inside PWBS.
- January 15, 2025 – Shannon Place Park – Leak Repair – Repaired leak at Shannon Place Park.
- January 15, 2025 – Lakeview Cove PS – Recalibrated chlorine analyzer due to reading higher than grab samples.
- January 16, 2025 – Menu PS – Installed soundboard on wall of pump station to try and dampen the noise during clay-val operations.
- January 20, 2025 – Pinewoods BS – Lowered start setpoints to 21% to continue drawing down the reservoir to test the operations of the roll seal located inside PWBS.
- January 21, 2025 – Rosewood PS – Installed stainless steel sample tap on the Rosewood analyzer line for collecting bacteriological samples.
- January 22, 2025 – Pinewoods BS – Tested roll seal and confirmed operation at 36.7% reservoir level.
- January 24, 2025 – Blackwood PS – Replaced pH sensor at Blackwood PS. During probe replacement a spike on the turbidity analyzer occurred. Not representative of water in the system.
- January 24, 2025 – Pinewood BS – Changed start/stop setpoints for the weekend. New SP 45%/53%
- January 29, 2025 – Pinewoods BS – Changed start/stop setpoints on both lead & lag pumps. Lead is 45%/60%, Lag is 42%/55%. Reservoir low level alarm now set to 40%. These set points are to reflect demand on the reservoir to reduce water age and increase turn over of the reservoir. Proved out that the reservoir does not supply fire protection through the roll seal at PWBS and is derived from that of the water main from RVWTP and the fire pumps in the station.
- January 29, 2025 – 1205 Trevor Dr – Leak Repair – Repaired leak on water service.

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	Avg (mV)
Jan 2025								
22	0.00	0.00	0.71	0.80	0.75	4.31	7.67	757
23	0.00	0.00	0.69	0.85	0.76	4.42	7.71	751
24	0.04	0.07	0.80	0.87	0.84	4.45	7.73	759
25	0.07	0.07	0.80	0.88	0.84	4.60	7.71	762
26	0.07	0.08	0.74	0.83	0.79	4.56	7.72	761
27	0.07	0.07	0.75	0.94	0.86	4.54	7.69	768
28	0.07	0.07	0.86	0.93	0.89	4.48	7.65	772
29	0.07	0.07	0.80	0.88	0.84	4.54	7.64	764
30	0.07	0.07	0.68	0.81	0.75	4.56	7.64	763
31	0.07	0.07	0.72	0.84	0.78	4.55	7.69	762
Average	0.05		0.75	0.86	0.81	4.50	7.69	761.85
Min	0.00		0.68	0.80	0.75	4.31	7.64	751.28
Max	0.07	0.08	0.86	0.94	0.89	4.60	7.73	771.53



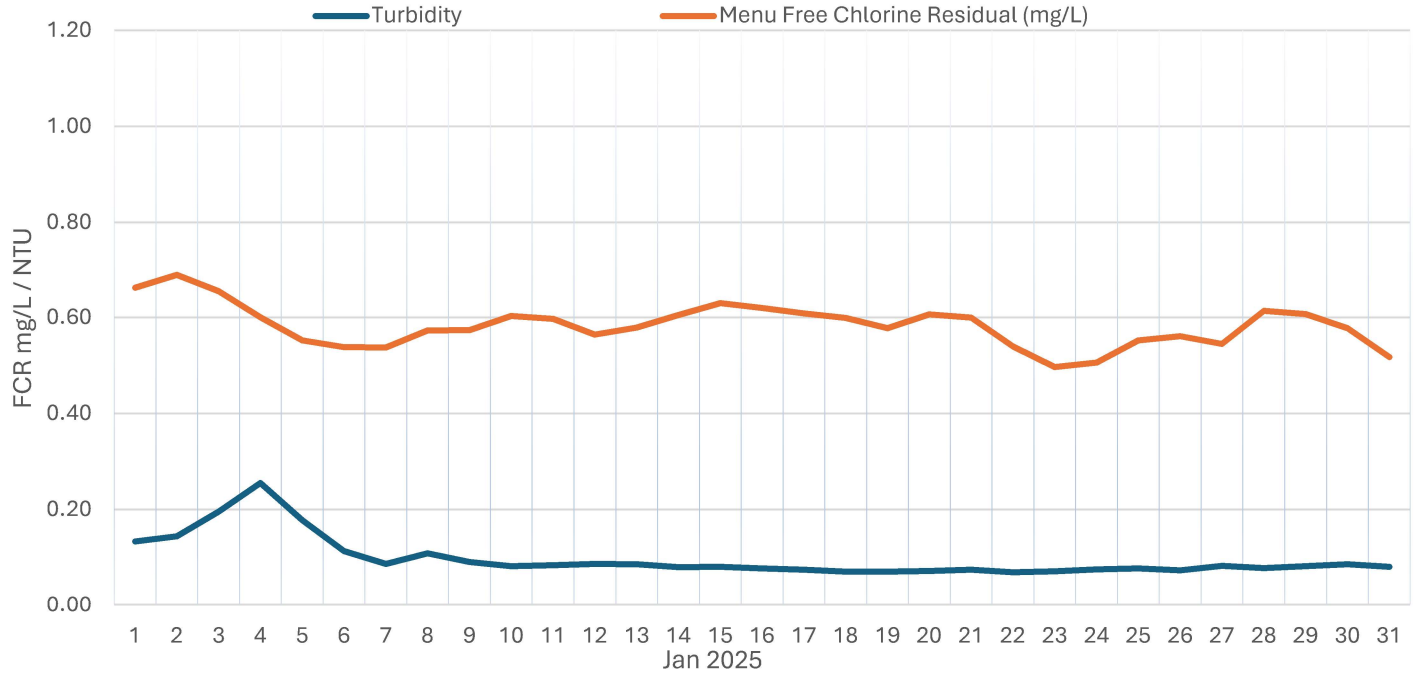
RV Trails SS Water Quality Field Data				
Date	Turbidity	Temp	FCR	pH
	Sample (NTU)	Sample (°C)	Sample (mg/L)	
03-Jan-25	0.13	6.3	0.97	6.67
06-Jan-25	0.14	4.1	0.66	7.11
08-Jan-25	0.11	4.2	0.75	7.34
10-Jan-25	0.13	3.9	0.88	
# of Samples	4	4	4	3
Average	0.13	4.63	0.82	7.04
Range	0.11-0.14	3.9-6.3	0.66-0.97	6.67-7.34

Rosewood PS Water Quality Field Data				
Date	Turbidity	Temp	FCR	pH
	Sample (NTU)	Sample (°C)	Sample (mg/L)	
13-Jan-25	0.11	3.6	0.63	
15-Jan-25	0.13	3.6	0.86	6.71
17-Jan-25			0.8	
20-Jan-25	0.06	4.7	0.74	
22-Jan-25	0.14	5.2	0.76	
24-Jan-25	0.1	4.7	0.88	7.74
27-Jan-25	0.09	4.4	0.89	
29-Jan-25	0.17	5.4	0.91	
31-Jan-25	0.15	4.8	0.9	
# of Samples	8	8	9	2
Average	0.12	4.55	0.82	7.23
Range	0.06-0.17	3.6-5.4	0.63-0.91	6.71-7.74

Menu PS

Menu PS Online Data									
Date	Combined Flow Total From RV	Turbidity	Turbidity (Peak 1 Hr)	Temp	Menu pH	ORP	Free Chlorine Residual		
	(m3)	Avg (NTU)	Max Based On 1 Hr Avg	Avg (°C)	Avg (pH)	Avg (mV)	Min (mg/L)	Max (mg/L)	Avg (mg/L)
Jan 2025									
1	1235	0.13	0.14	5.56	7.95	839	0.59	0.73	0.66
2	1176	0.14	0.15	5.48	8.00	836	0.63	0.74	0.69
3	1103	0.20	0.54	5.32	7.98	837	0.60	0.72	0.65
4	1068	0.26	0.74	5.34	7.99	832	0.57	0.64	0.60
5	1337	0.18	0.22	5.43	7.98	830	0.53	0.59	0.55
6	918	0.11	0.16	5.27	7.99	800	0.47	0.61	0.54
7	1080	0.09	0.11	5.11	7.95	767	0.47	0.61	0.54
8	1530	0.11	0.49	5.23	7.72	772	0.51	0.66	0.57
9	738	0.09	0.10	5.27	7.44	771	0.52	0.63	0.57
10	1551	0.08	0.11	5.24	7.42	764	0.51	0.66	0.60
11	698	0.08	0.09	5.18	7.45	754	0.53	0.65	0.60
12	1141	0.09	0.09	5.16	7.45	749	0.53	0.60	0.56
13	1621	0.09	0.10	4.91	7.41	751	0.54	0.65	0.58
14	1300	0.08	0.08	4.93	7.41	757	0.54	0.67	0.61
15	803	0.08	0.08	4.92	7.46	755	0.58	0.67	0.63
16	1386	0.08	0.08	4.92	7.45	752	0.58	0.66	0.62
17	1386	0.07	0.07	4.77	7.40	753	0.56	0.64	0.61
18	1450	0.07	0.07	4.84	7.39	755	0.57	0.64	0.60
19	998	0.07	0.07	4.81	7.39	752	0.52	0.64	0.58
20	1089	0.07	0.07	4.81	7.37	746	0.57	0.65	0.61
21	1425	0.07	0.07	4.71	7.37	746	0.56	0.65	0.60
22	1070	0.07	0.07	4.72	7.39	741	0.49	0.56	0.54
23	922	0.07	0.08	4.80	7.39	736	0.46	0.53	0.50
24	1447	0.08	0.09	4.90	7.42	734	0.44	0.60	0.51
25	629	0.08	0.08	4.88	7.43	742	0.52	0.58	0.55
26	1431	0.07	0.09	4.82	7.42	744	0.52	0.60	0.56
27	1184	0.08	0.10	4.79	7.42	745	0.50	0.63	0.54
28	982	0.08	0.08	4.68	7.37	751	0.58	0.65	0.61
29	1427	0.08	0.09	4.71	7.35	748	0.57	0.63	0.61
30	991	0.09	0.09	4.75	7.34	742	0.54	0.62	0.58
31	1119	0.08	0.09	4.88	7.34	741	0.48	0.58	0.52
Total	36235								
Average	1168.86	0.10		5.00	7.54	765.89	0.53	0.64	0.58
Min	629.32	0.07		4.68	7.34	734.46	0.44	0.53	0.50
Max	1620.72	0.26	0.74	5.56	8.00	839.01	0.63	0.74	0.69

Menu PS Online Data



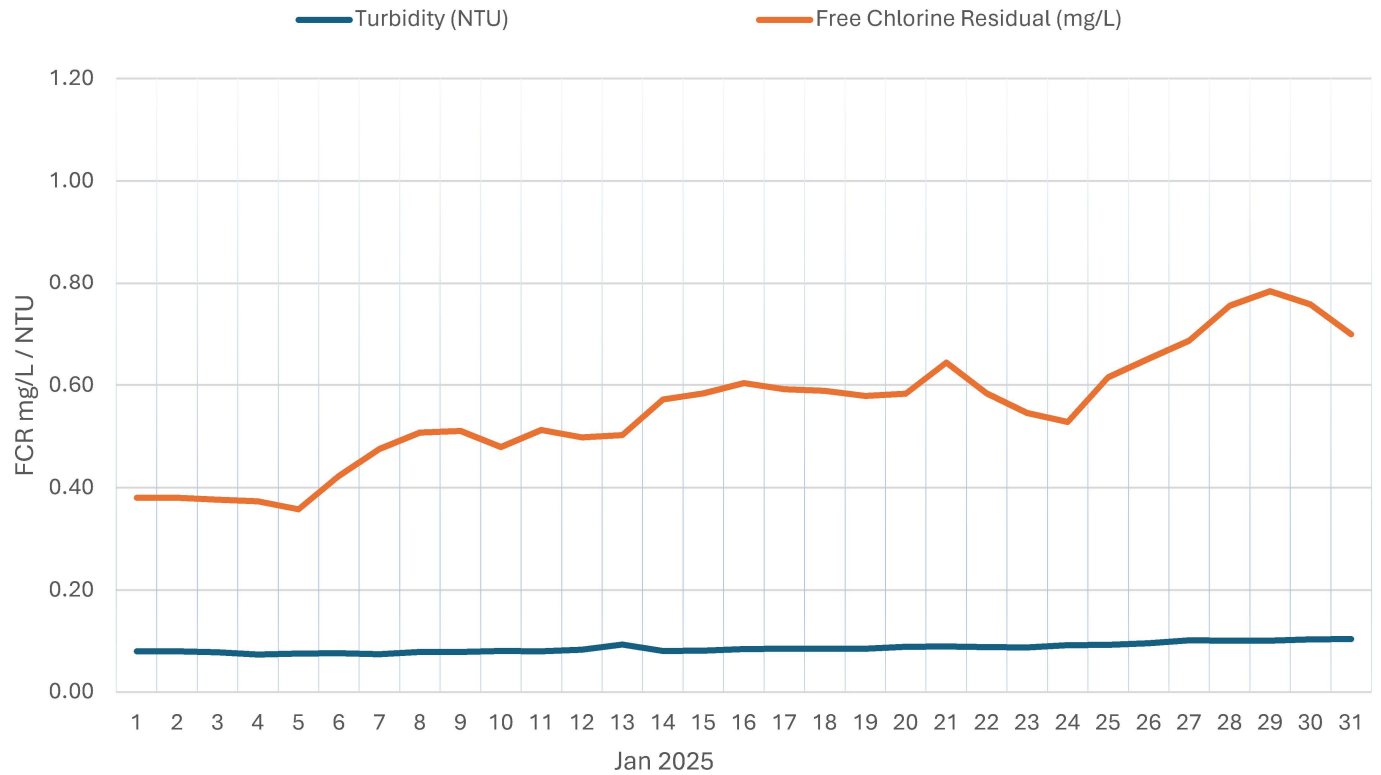
Menu PS Water Quality Field Data

Date	Turbidity		Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
03-Jan-25	0.14	0.13	5.4	0.6	0.66	7.24
06-Jan-25	0.12	0.08	5.5	0.61	0.51	6.85
08-Jan-25	0.1	0.08	5.5	0.64	0.52	7.9
10-Jan-25	0.1	0.08	5.2	0.57	0.61	
13-Jan-25	0.11	0.08	4.7	0.61	0.59	7
15-Jan-25	0.1	0.07	5	0.49	0.6	
17-Jan-25	0.13	0.07	5.1	0.61	0.59	7.41
20-Jan-25	0.1	0.08	4.9	0.73	0.62	
22-Jan-25	0.1	0.07	4.7	0.67	0.55	7.17
24-Jan-25	0.14	0.07	5	0.6	0.5	7.04
27-Jan-25	0.11	0.08	4.7	0.69	0.53	7.01
29-Jan-25	0.11	0.07	4.6	0.78	0.61	6.95
31-Jan-25	0.15	0.07	4.8	0.63	0.53	
# of Samples	13	13	13	13	13	9
Average	0.12	0.08	5.01	0.63	0.57	7.17
Range	0.1-0.15	0.07-0.13	4.6-5.5	0.49-0.78	0.5-0.66	6.85-7.9

Blackwood PS

Blackwood PS Online Data									
Date	Rose Valley To Blackwood Flow Total	Peak Flow	Turbidity	Turbidity (Peak 1 Hr)	Free Chlorine Residual			Water Temp	pH
	(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
Jan 2025									
1	925.6	32.9	0.08	0.08	0.38	0.38	0.38	6.30	7.55
2	837.4	35.7	0.08	0.08	0.38	0.38	0.38	6.30	7.55
3	867.8	38.2	0.08	0.09	0.32	0.42	0.38	6.07	7.53
4	987.5	33.0	0.07	0.09	0.30	0.42	0.37	5.67	7.48
5	1108.2	37.1	0.07	0.08	0.29	0.40	0.36	5.64	7.46
6	930.8	34.0	0.08	0.08	0.33	0.53	0.42	5.62	7.48
7	854.1	35.0	0.07	0.08	0.37	0.54	0.48	5.65	7.50
8	930.4	37.4	0.08	0.08	0.41	0.58	0.51	5.57	7.49
9	874.5	33.0	0.08	0.09	0.41	0.58	0.51	5.63	7.50
10	809.4	36.7	0.08	0.09	0.37	0.56	0.48	5.60	7.60
11	925.1	33.4	0.08	0.09	0.41	0.59	0.51	5.64	7.60
12	1007.3	37.2	0.08	0.09	0.40	0.56	0.50	5.43	7.57
13	987.9	37.9	0.09	0.26	0.43	0.62	0.50	5.49	6.93
14	778.6	33.0	0.08	0.09	0.49	0.62	0.57	5.53	5.49
15	913.1	34.6	0.08	0.10	0.47	0.68	0.58	5.59	5.47
16	892.8	34.7	0.08	0.09	0.50	0.67	0.60	5.79	5.51
17	892.8	35.5	0.08	0.09	0.50	0.67	0.59	5.82	5.52
18	865.7	37.1	0.08	0.09	0.46	0.66	0.59	5.56	5.39
19	1131.0	36.2	0.08	0.09	0.45	0.66	0.58	5.54	4.70
20	827.7	37.0	0.09	0.09	0.45	0.69	0.58	5.44	3.56
21	816.1	35.8	0.09	0.09	0.56	0.70	0.64	5.26	3.82
22	899.3	34.8	0.09	0.09	0.46	0.67	0.58	5.37	4.45
23	912.2	38.6	0.09	0.09	0.44	0.61	0.55	5.43	4.35
24	872.0	36.1	0.09	0.12	0.42	0.60	0.53	5.37	5.69
25	960.0	36.6	0.09	0.10	0.51	0.66	0.62	5.45	7.73
26	1069.6	36.2	0.09	0.10	0.55	0.68	0.65	5.26	7.74
27	981.9	38.2	0.10	0.15	0.63	0.75	0.69	5.36	7.74
28	887.2	36.9	0.10	0.12	0.64	0.80	0.76	5.05	7.77
29	933.4	35.7	0.10	0.10	0.67	0.82	0.78	5.14	7.72
30	957.7	33.1	0.10	0.11	0.67	0.79	0.76	5.09	7.70
31	877.3	32.7	0.10	0.11	0.60	0.74	0.70	5.25	7.70
Total Average	27589.375								
	919.84	35.63	0.09		0.46	0.61	0.55	5.55	6.62
	778.56	32.72	0.07		0.29	0.38	0.36	5.05	3.56
	1130.97	38.63	0.10	0.26	0.67	0.82	0.78	6.30	7.77

Blackwood PS Online Data



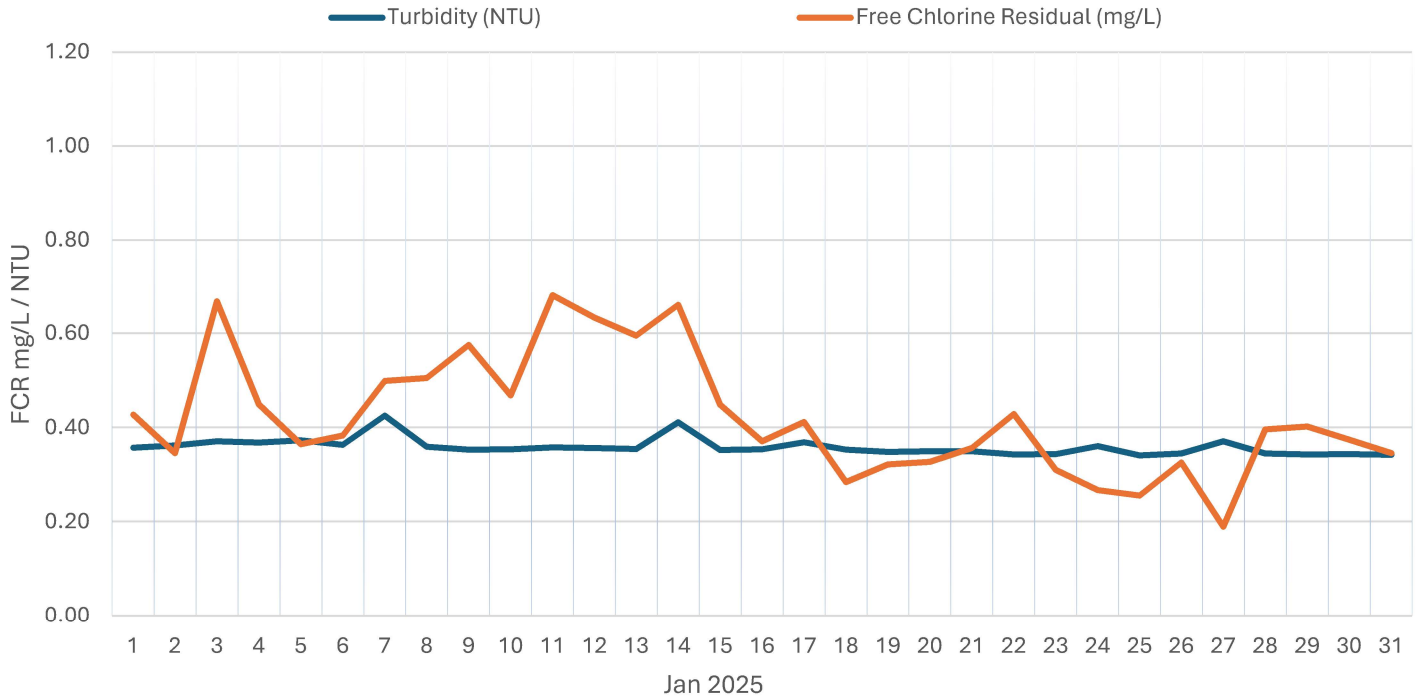
Blackwood PS Water Quality Field Data

Date	Turbidity		Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
03-Jan-25	0.09	0.07	5.9	0.6	0.42	6.72
06-Jan-25	0.09	0.07	5.83	0.51	0.33	6.5
08-Jan-25	0.19	0.08	5.6	0.56	0.52	7.47
10-Jan-25	0.17	0.08	5.8	0.45	0.5	
13-Jan-25	0.16	0.08	5.7	0.54	0.49	6.85
15-Jan-25	0.13	0.08	5.7	0.6	0.62	7.74
17-Jan-25	0.09	0.08	5.8	0.55	0.62	7.07
20-Jan-25	0.12	0.09	5.6	0.58	0.58	
22-Jan-25	0.16	0.09	5.4	0.71	0.6	
24-Jan-25	0.15	0.09	5.3	0.45	0.51	
27-Jan-25	0.11	0.11	5.6	0.29	0.66	6.99
29-Jan-25	0.28	0.1	5.2	0.71	0.79	
31-Jan-25	0.14	0.1	5.4	0.61	0.7	
# of Samples	13	13	13	13	13	7
Average	0.14	0.09	5.6	0.55	0.56	7.05
Range	0.09-0.28	0.07-0.11	5.18-5.9	0.29-0.71	0.33-0.79	6.5-7.74

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)
Jan 2025						
1	0.36	0.36	0.20	0.63	0.43	9.49
2	0.36	0.43	0.18	0.67	0.35	9.43
3	0.37	0.44	0.56	0.73	0.67	8.24
4	0.37	0.38	0.36	0.56	0.45	9.08
5	0.37	0.38	0.15	0.46	0.36	9.13
6	0.36	0.37	0.27	0.42	0.38	9.13
7	0.43	0.76	0.24	0.63	0.50	8.21
8	0.36	0.38	0.41	0.62	0.51	8.80
9	0.35	0.36	0.40	0.72	0.58	8.86
10	0.35	0.36	0.25	0.61	0.47	8.89
11	0.36	0.39	0.35	0.87	0.68	8.27
12	0.36	0.36	0.56	0.78	0.63	8.70
13	0.35	0.36	0.51	0.68	0.60	8.80
14	0.41	1.74	0.42	0.83	0.66	8.53
15	0.35	0.36	0.22	0.70	0.45	9.13
16	0.35	0.38	0.18	0.55	0.37	8.85
17	0.37	0.59	0.29	0.51	0.41	9.19
18	0.35	0.36	0.17	0.38	0.28	9.62
19	0.35	0.35	0.21	0.37	0.32	9.68
20	0.35	0.35	0.22	0.41	0.33	9.50
21	0.35	0.36	0.27	0.45	0.36	9.36
22	0.34	0.35	0.26	0.52	0.43	8.48
23	0.34	0.35	0.23	0.41	0.31	9.31
24	0.36	0.74	0.18	0.37	0.27	9.35
25	0.34	0.35	0.19	0.32	0.26	9.28
26	0.35	0.37	0.17	1.09	0.33	8.22
27	0.37	0.37	0.15	0.42	0.19	6.98
28	0.35	0.35	0.35	0.46	0.40	8.44
29	0.34	0.35	0.38	0.45	0.40	8.80
30	0.34	0.34	0.32	0.42	0.37	8.85
31	0.34	0.34	0.29	0.38	0.35	8.86
Average	0.36		0.29	0.56	0.42	8.89
Min	0.34		0.15	0.32	0.19	6.98
Max	0.43	1.74	0.56	1.09	0.68	9.68

Lakeview Cove PS Online Data



Lakeview Cove PS Water Quality Field Data

Date	Turbidity		Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
03-Jan-25	0.16	0.36	8.3	0.55	0.68	7.01
06-Jan-25	0.14	0.37	9.5	0.47	0.39	
08-Jan-25	0.1	0.36	8.9	0.38	0.41	
10-Jan-25	0.11	0.36	8.9	0.37	0.54	
13-Jan-25	0.13	0.33	8.8	0.4	0.58	
15-Jan-25	0.1	0.35	8.6	0.32	0.65	
17-Jan-25	0.11	0.35	9.5	0.48	0.38	
22-Jan-25	0.15	0.3	8.4	0.8	0.52	7.04
24-Jan-25	0.15	0.34	9.3	0.24	0.29	7.04
27-Jan-25	0.24	0.37	7	0.28	0.19	
29-Jan-25	0.16	0.34	8.7	0.57	0.4	7.21
31-Jan-25	0.32	0.34	8.8	0.42	0.37	
# of Samples	12	12	12	12	12	4
Average	0.16	0.35	8.73	0.44	0.45	7.08
Range	0.1-0.32	0.3-0.37	7-9.5	0.24-0.8	0.19-0.68	7.01-7.21

WQ Field Data

Thacker SS

Thacker Water Quality Field Data				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
03-Jan-25	0.13	7.7	0.56	7.26
06-Jan-25	0.11	15.3	0.41	6.82
08-Jan-25	0.15	7.6	0.37	7.59
10-Jan-25	0.34	7.9	0.45	
13-Jan-25	0.29	7.5	0.37	7.21
15-Jan-25	0.34	7.4	0.42	6.78
17-Jan-25	0.08	6.4	0.37	7.24
20-Jan-25	0.1	7.2	0.45	
22-Jan-25	0.28	7	0.44	
24-Jan-25	0.18	7.1	0.37	
27-Jan-25	0.13	6.8	0.49	6.71
29-Jan-25	0.61	5.7	0.54	
31-Jan-25	0.13	6.6	0.41	
# of Samples	13	13	13	7
Average	0.22	7.71	0.43	7.09
Range	0.08-0.61	5.7-15.3	0.37-0.56	6.71-7.59

Shannon Way SS

Shannon Way SS Water Quality Field Data				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
06-Jan-25	0.17	8.6	0.39	7.2
13-Jan-25	0.14	7.4	0.35	
20-Jan-25	0.1	6.1	0.36	
27-Jan-25	0.07	6.1	0.42	
# of Samples	4	4	3	1
Average	0.12	7.05	0.37	
Range	0.07-0.17	6.1-8.6	0.35-0.39	

Lower Horizon SS

Lower Horizon SS Water Quality Field Data				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
03-Jan-25	0.17	8	0.59	7.31
06-Jan-25	0.09	8.1	0.44	6.64
10-Jan-25	0.36	7.7	0.38	
13-Jan-25	0.29	7.7	0.43	6.98
17-Jan-25	0.09	6.7	0.39	7.01
20-Jan-25	0.12	7.5	0.46	
24-Jan-25	0.08	7.1	0.55	
27-Jan-25	0.14	6.2	0.44	6.82
31-Jan-25	0.2	6.6	0.45	
# of Samples	9	9	9	5
Average	0.17	7.29	0.46	6.95
Min	0.08	6.2	0.38	6.64
Max	0.36	8.1	0.59	7.31
Range	0.08-0.36	6.2-8.1	0.38-0.59	6.64-7.31

Pritchard SS

Pritchard SS Water Quality Field Data				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
03-Jan-25	0.13	8.7	0.14	7.09
06-Jan-25	0.17	9	0.2	7.01
08-Jan-25	0.15	8.8	0.24	
10-Jan-25	0.11	8.8	0.22	
13-Jan-25	0.26	8.4	0.51	7.27
15-Jan-25	0.15	8.6	0.19	
17-Jan-25	0.21	8.6	0.21	
20-Jan-25	0.16	8.4	0.3	
22-Jan-25	0.11	7.6	0.24	7.08
24-Jan-25	0.1	7.7	0.26	7.13
27-Jan-25	0.12	7.6	0.23	6.79
29-Jan-25	0.27	7.6	0.27	6.85
31-Jan-25	0.5	4.8		
# of Samples	13	13	12	7
Average	0.19	8.05	0.25	7.03
Min	0.1	4.8	0.14	6.79
Max	0.5	9	0.51	7.27
Range	0.1-0.5	4.8-9	0.14-0.51	6.79-7.27

Vineyard View SS

Vineyard View SS Water Quality Field Data				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
06-Jan-25	0.35	15.3	0.27	6.71
13-Jan-25	0.28	7.3	0.47	7.28
20-Jan-25	0.08	6.1	0.49	
27-Jan-25	0.39	13	0.29	7.19
# of Samples	4	4	4	3
Average	0.28	10.43	0.38	7.06
Min	0.08	6.1	0.27	6.71
Max	0.39	15.3	0.49	7.28
Range	0.08-0.39	6.1-15.3	0.27-0.49	6.71-7.28