

**CITY OF WEST KELOWNA**

# Monthly Water Quality Report



Rose Valley Water Service Area

December 2025

# WATER SUPPLY AND TREATMENT





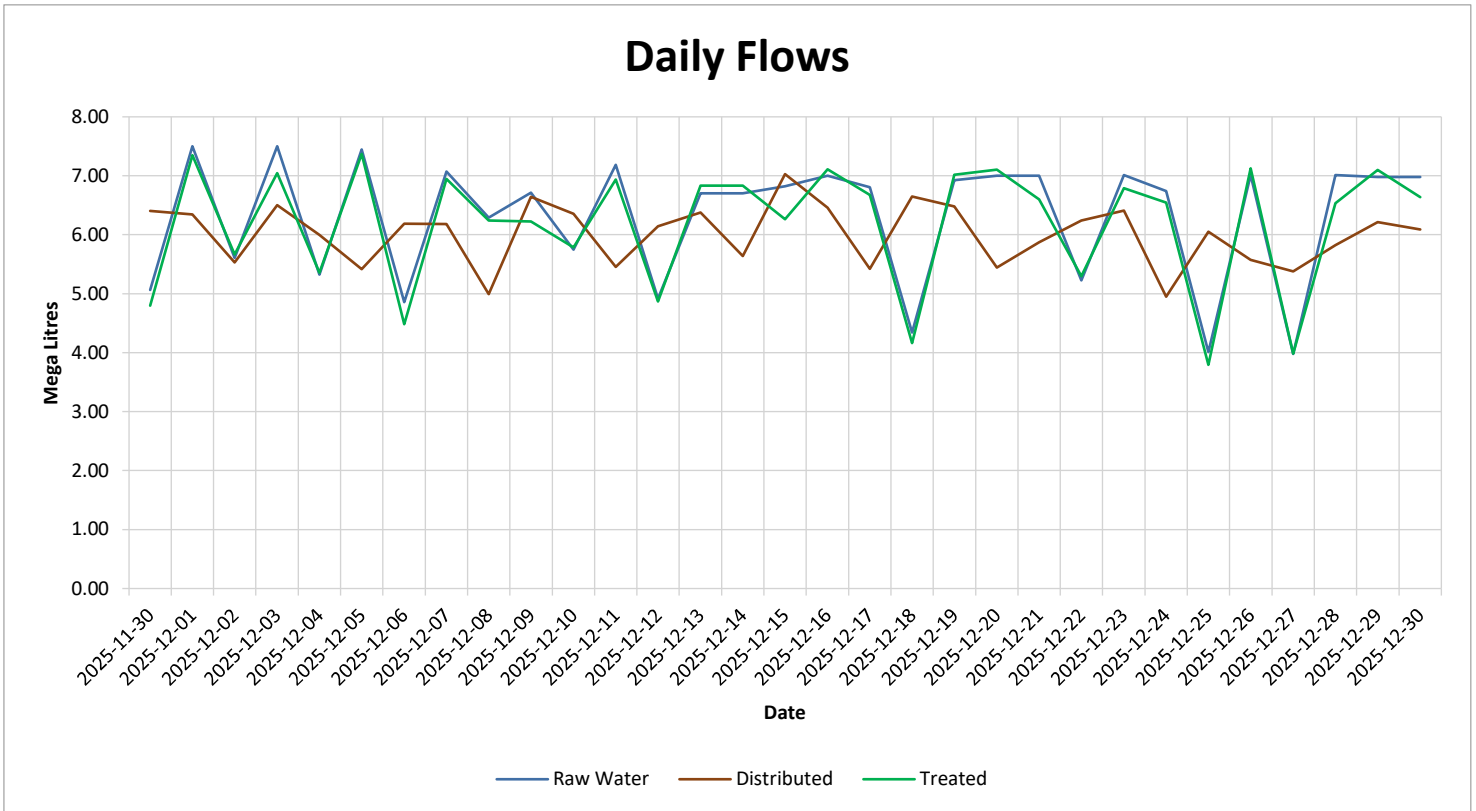
# Rose Valley Water Treatment Plant Monthly Water Quality Summary

2026-01-09

**December, 2025**

## Flow Demand:

	Total for Month
Raw Processed Water:	195.46 ML
Treated Water :	191.45 ML
Distributed Water :	186.24 ML
Backwash Water :	6.12139 ML



## Notes:

**Raw Water Specifications:**

Date	Raw Turbidity (NTU)			Raw pH		
	Min	Max	Average	Min	Max	Average
2025-12-01	0.50	1.15	0.66	7.72	7.73	7.73
2025-12-02	0.57	1.16	0.69	7.72	7.75	7.73
2025-12-03	0.52	0.75	0.60	7.73	7.76	7.75
2025-12-04	0.46	1.66	0.55	7.75	7.77	7.76
2025-12-05	0.53	13.50	0.58	7.77	7.78	7.77
2025-12-06	0.49	1.10	0.58	7.76	7.78	7.78
2025-12-07	0.60	0.80	0.67	7.78	7.79	7.78
2025-12-08	0.45	38.54	0.61	7.78	7.81	7.79
2025-12-09	0.47	1.45	0.60	7.80	7.86	7.83
2025-12-10	0.65	0.93	0.77	7.83	7.86	7.84
2025-12-11	0.42	0.88	0.57	7.83	7.85	7.84
2025-12-12	0.51	0.92	0.60	7.83	7.86	7.84
2025-12-13	0.60	0.73	0.64	7.84	7.85	7.84
2025-12-14	0.62	0.72	0.67	7.84	7.85	7.84
2025-12-15	0.60	2.36	0.68	7.84	7.86	7.85
2025-12-16	0.69	1.06	0.83	7.84	7.86	7.85
2025-12-17	0.66	1.07	0.88	7.85	7.86	7.86
2025-12-18	0.68	1.05	0.88	7.86	7.89	7.87
2025-12-19	0.73	1.11	0.92	7.89	7.93	7.91
2025-12-20	0.92	1.18	1.05	7.92	7.93	7.93
2025-12-21	0.78	1.02	0.90	7.93	7.94	7.94
2025-12-22	0.73	0.96	0.83	7.93	7.97	7.94
2025-12-23	0.63	0.96	0.76	7.95	7.96	7.95
2025-12-24	0.56	0.74	0.64	7.95	7.98	7.96
2025-12-25	0.66	0.91	0.76	7.94	7.95	7.95
2025-12-26	0.74	0.99	0.85	7.90	7.95	7.94
2025-12-27	0.72	0.99	0.84	7.93	7.97	7.94
2025-12-28	0.74	0.97	0.86	7.93	7.98	7.95
2025-12-29	0.00	1.00	0.81	7.94	7.96	7.95
2025-12-30	0.00	1.13	0.85	7.95	7.97	7.95
2025-12-31	0.00	1.14	0.73	7.94	7.95	7.95

**Notes:**

## Raw Water Specifications (Continued):

Date	Raw Temp (°C)			Raw DOC (mg/L)		
	Min	Max	Average	Min	Max	Average
2025-12-01	6.62	6.94	6.81	15.34	16.02	15.53
2025-12-02	6.56	6.96	6.67	15.34	15.73	15.52
2025-12-03	6.22	6.70	6.44	15.34	15.82	15.53
2025-12-04	6.20	6.61	6.32	15.38	15.78	15.53
2025-12-05	6.07	6.23	6.14	15.29	15.78	15.53
2025-12-06	5.94	6.37	6.13	15.29	15.73	15.51
2025-12-07	5.86	6.00	5.91	15.04	16.85	15.51
2025-12-08	5.73	5.99	5.81	14.95	15.78	15.48
2025-12-09	5.67	5.88	5.72	15.29	17.24	15.47
2025-12-10	5.61	5.92	5.71	0.00	120.39	15.26
2025-12-11	5.60	5.78	5.67	14.46	17.73	14.67
2025-12-12	5.57	6.23	5.76	14.16	14.99	14.62
2025-12-13	5.55	5.79	5.67	14.11	14.80	14.63
2025-12-14	5.71	5.82	5.76	14.31	14.80	14.62
2025-12-15	5.62	5.83	5.75	8.60	127.18	14.78
2025-12-16	5.50	6.12	5.60	13.87	14.95	14.61
2025-12-17	5.43	5.54	5.50	13.19	14.80	14.60
2025-12-18	5.37	5.70	5.53	14.02	14.80	14.60
2025-12-19	5.14	5.38	5.27	14.21	15.29	14.61
2025-12-20	4.93	5.17	5.05	14.11	15.29	14.62
2025-12-21	4.77	4.96	4.85	14.31	14.90	14.63
2025-12-22	4.69	7.59	4.83	14.26	14.80	14.62
2025-12-23	4.54	4.82	4.66	13.87	14.85	14.62
2025-12-24	4.36	4.60	4.45	14.31	15.29	14.62
2025-12-25	4.55	4.88	4.70	14.31	14.85	14.63
2025-12-26	4.48	4.64	4.57	14.26	15.09	14.66
2025-12-27	3.78	4.76	4.50	14.21	14.80	14.65
2025-12-28	3.64	4.30	4.03	14.26	14.99	14.67
2025-12-29	4.13	4.55	4.21	14.31	15.29	14.66
2025-12-30	4.10	4.63	4.19	14.16	15.43	14.65
2025-12-31	4.11	4.40	4.19	14.41	15.29	14.64

Notes:

**Raw Water Specifications (Continued):**

Date	Raw Cond R ( $\mu\text{S}/\text{cm}$ )			Streaming Current		
	Min	Max	Average	Min	Max	Average
2025-12-01	223.84	227.19	225.57	-109.28	4.52	-7.73
2025-12-02	221.83	226.97	224.73	-242.37	97.31	-68.82
2025-12-03	222.35	226.79	224.82	-29.18	-0.12	-13.20
2025-12-04	222.09	226.60	224.45	-251.16	111.23	-73.81
2025-12-05	222.61	225.83	224.24	-25.03	2.32	-13.01
2025-12-06	222.18	229.40	224.94	-251.89	108.79	-85.91
2025-12-07	226.15	229.82	228.19	-25.52	7.45	-10.41
2025-12-08	226.30	229.61	228.09	-236.75	-8.67	-20.67
2025-12-09	225.82	229.52	227.87	-233.82	47.99	-11.84
2025-12-10	224.17	228.87	226.58	-225.27	98.53	-56.25
2025-12-11	224.15	227.17	225.69	-48.23	5.25	-14.33
2025-12-12	223.04	227.68	225.53	-230.16	115.38	-88.01
2025-12-13	224.05	227.75	225.98	-62.15	-48.23	-53.22
2025-12-14	225.10	228.80	226.93	-58.00	-47.74	-52.97
2025-12-15	225.59	229.17	227.31	-236.02	9.40	-21.43
2025-12-16	224.69	228.98	226.92	-29.67	-18.19	-23.85
2025-12-17	225.44	228.64	227.07	-249.94	-4.52	-24.37
2025-12-18	224.48	228.65	226.42	-251.89	131.75	-99.91
2025-12-19	225.70	229.13	227.37	-227.72	44.81	-32.98
2025-12-20	226.08	230.22	228.30	-38.22	-21.37	-30.00
2025-12-21	227.64	231.18	229.40	-40.42	-0.85	-16.91
2025-12-22	227.37	231.65	229.75	-251.89	86.57	-82.07
2025-12-23	228.82	232.69	230.69	-48.96	3.30	-16.53
2025-12-24	229.92	233.55	231.83	-237.97	14.77	-19.19
2025-12-25	229.23	233.46	231.20	-257.75	139.32	-122.38
2025-12-26	229.25	233.51	231.03	-32.11	3.30	-24.99
2025-12-27	228.84	235.68	231.55	-260.93	140.78	-117.05
2025-12-28	231.11	236.93	233.78	-44.08	-6.96	-21.79
2025-12-29	231.08	235.01	233.07	-117.09	-6.96	-34.48
2025-12-30	231.02	234.96	233.09	-51.89	-17.70	-30.61
2025-12-31	231.26	235.28	233.25	-251.16	3.30	-68.76

Notes:

**Raw Water Specifications (Continued):**

Date	Coagulated pH			Coagulated Temp (°C)		
	Min	Max	Average	Min	Max	Average
2025-12-01	7.39	7.45	7.41	9.94	11.15	10.98
2025-12-02	7.38	7.39	7.38	11.11	11.20	11.16
2025-12-03	7.36	7.38	7.37	10.94	11.12	11.04
2025-12-04	7.34	7.36	7.35	10.79	10.95	10.88
2025-12-05	7.33	7.34	7.34	10.70	10.80	10.75
2025-12-06	7.30	7.33	7.32	10.61	10.71	10.67
2025-12-07	7.29	7.30	7.30	10.53	10.62	10.56
2025-12-08	7.29	7.29	7.29	10.43	10.54	10.49
2025-12-09	7.27	7.29	7.28	10.29	10.45	10.35
2025-12-10	7.27	7.28	7.27	10.29	10.39	10.33
2025-12-11	7.25	7.27	7.26	10.18	10.31	10.24
2025-12-12	7.25	7.26	7.25	9.87	10.23	10.11
2025-12-13	7.25	7.26	7.25	9.79	10.07	9.94
2025-12-14	7.24	7.25	7.25	10.06	10.08	10.07
2025-12-15	7.24	7.25	7.25	9.78	10.09	10.03
2025-12-16	7.24	7.25	7.24	9.69	9.97	9.86
2025-12-17	7.23	7.25	7.24	9.86	9.99	9.93
2025-12-18	7.23	7.25	7.24	9.89	9.96	9.91
2025-12-19	7.24	7.98	7.50	4.89	9.91	6.67
2025-12-20	7.66	7.77	7.73	4.86	5.01	4.91
2025-12-21	7.75	7.78	7.77	4.75	5.65	4.97
2025-12-22	7.50	7.92	7.64	4.27	5.35	4.59
2025-12-23	7.47	7.56	7.50	4.15	5.07	4.32
2025-12-24	7.52	7.87	7.55	3.94	4.59	4.19
2025-12-25	7.53	7.92	7.68	4.16	5.29	4.42
2025-12-26	7.55	7.57	7.57	4.05	4.21	4.14
2025-12-27	7.52	7.88	7.66	3.30	5.14	4.17
2025-12-28	7.54	7.59	7.57	3.14	4.07	3.70
2025-12-29	7.58	7.64	7.59	3.68	3.99	3.76
2025-12-30	7.52	7.60	7.56	3.66	4.52	3.82
2025-12-31	7.54	7.93	7.61	3.64	4.13	3.73

**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
2025-12-01	128.29	129.60	129.04	9.03	9.14	9.09
2025-12-02	128.00	129.01	128.44	9.00	9.24	9.14
2025-12-03	126.76	128.13	127.48	9.24	9.49	9.35
2025-12-04	126.61	127.82	127.12	9.26	9.56	9.44
2025-12-05	25.68	126.70	126.27	9.54	9.61	9.55
2025-12-06	125.66	127.27	126.38	9.41	9.69	9.60
2025-12-07	125.34	125.72	125.51	9.69	9.72	9.71
2025-12-08	124.99	125.40	125.17	9.78	9.85	9.81
2025-12-09	17.59	125.13	124.75	9.87	10.06	9.96
2025-12-10	124.53	125.50	124.90	9.99	10.21	10.10
2025-12-11	10.64	124.66	124.33	10.21	10.24	10.22
2025-12-12	124.29	125.40	124.73	10.05	10.23	10.19
2025-12-13	124.08	124.45	124.34	10.20	10.22	10.21
2025-12-14	124.26	124.45	124.36	10.18	10.19	10.19
2025-12-15	124.31	124.62	124.44	10.18	10.33	10.24
2025-12-16	70.60	124.61	124.40	10.35	10.50	10.43
2025-12-17	3.40	124.57	124.03	10.50	10.64	10.58
2025-12-18	21.57	125.39	124.60	10.48	10.73	10.66
2025-12-19	123.37	124.22	123.81	10.77	10.89	10.83
2025-12-20	122.62	123.41	123.04	10.89	11.00	10.94
2025-12-21	122.06	122.67	122.35	11.02	11.11	11.06
2025-12-22	0.83	122.85	121.16	11.03	11.72	11.15
2025-12-23	120.86	121.57	121.22	11.17	11.20	11.19
2025-12-24	46.39	121.07	120.44	11.17	11.33	11.26
2025-12-25	120.85	122.16	121.46	10.98	11.17	11.13
2025-12-26	120.74	121.37	121.05	10.89	11.17	11.10
2025-12-27	118.36	121.59	120.72	11.10	11.52	11.21
2025-12-28	117.73	119.92	119.00	11.18	11.57	11.33
2025-12-29	10.89	119.81	119.21	11.22	11.26	11.24
2025-12-30	21.28	119.88	119.00	11.24	11.28	11.25
2025-12-31	119.04	120.06	119.25	11.19	11.23	11.21

**Notes:**

## Raw Water Specifications (Continued):

Date	Raw Manganese (ppm)		
	Min	Max	Average
2025-12-01	???	???	0.41
2025-12-02	???	???	0.41
2025-12-03	???	???	0.41
2025-12-04	???	???	0.41
2025-12-05	???	???	0.41
2025-12-06	???	???	0.41
2025-12-07	???	???	0.41
2025-12-08	???	???	0.41
2025-12-09	???	???	0.41
2025-12-10	???	???	0.41
2025-12-11	???	???	0.41
2025-12-12	???	???	0.41
2025-12-13	???	???	0.41
2025-12-14	???	???	0.41
2025-12-15	???	???	0.41
2025-12-16	???	???	0.41
2025-12-17	???	???	0.41
2025-12-18	???	???	0.41
2025-12-19	???	???	0.41
2025-12-20	???	???	0.41
2025-12-21	???	???	0.41
2025-12-22	???	???	0.41
2025-12-23	???	???	0.41
2025-12-24	???	???	0.41
2025-12-25	???	???	0.41
2025-12-26	???	???	0.41
2025-12-27	???	???	0.41
2025-12-28	???	???	0.41
2025-12-29	???	???	0.41
2025-12-30	???	???	0.41
2025-12-31	???	???	0.41

### Notes:

Mn analyzer offline for the season

### Train 1 Filter Turbidity (NTU):

Date	Filter 1			Filter 2			Filter 3		
	Min	Max	Average	Min	Max	Average	Min	Max	Average
2025-12-01	0.01	0.02	0.01	0.14	0.20	0.15	0.01	0.01	0.01
2025-12-02	0.01	0.03	0.01	0.14	0.36	0.15	0.01	0.02	0.01
2025-12-03	0.01	0.03	0.01	0.14	0.57	0.15	0.01	0.02	0.01
2025-12-04	0.01	0.02	0.01	0.14	0.78	0.15	0.01	0.01	0.01
2025-12-05	0.01	0.01	0.01	0.14	0.20	0.15	0.01	0.01	0.01
2025-12-06	0.01	0.03	0.01	0.14	0.19	0.15	0.01	0.02	0.01
2025-12-07	0.01	0.01	0.01	0.14	0.19	0.15	0.01	0.01	0.01
2025-12-08	0.01	0.02	0.01	0.14	1.92	0.15	0.01	0.01	0.01
2025-12-09	0.01	0.02	0.01	0.14	0.38	0.15	0.01	0.02	0.02
2025-12-10	0.01	0.02	0.01	0.14	1.02	0.15	0.02	0.02	0.02
2025-12-11	0.01	0.04	0.01	0.14	0.21	0.15	0.01	0.03	0.01
2025-12-12	0.01	0.02	0.01	0.13	2.03	0.15	0.01	0.02	0.01
2025-12-13	0.01	0.02	0.01	0.13	2.15	0.15	0.01	0.01	0.01
2025-12-14	0.02	0.02	0.02	0.14	0.20	0.14	0.01	0.01	0.01
2025-12-15	0.01	0.03	0.01	0.14	0.20	0.15	0.01	0.02	0.01
2025-12-16	0.01	0.01	0.01	0.13	0.51	0.15	0.01	0.02	0.01
2025-12-17	0.01	0.02	0.01	0.14	0.22	0.15	0.01	0.03	0.01
2025-12-18	0.01	0.05	0.01	0.14	0.20	0.16	0.01	0.01	0.01
2025-12-19	0.01	0.03	0.02	0.15	1.20	0.16	0.01	0.01	0.01
2025-12-20	0.01	0.02	0.02	0.16	2.28	0.17	0.01	0.01	0.01
2025-12-21	0.02	0.05	0.02	0.16	0.23	0.17	0.01	0.02	0.01
2025-12-22	0.02	0.02	0.02	0.15	0.19	0.16	0.01	0.01	0.01
2025-12-23	0.02	0.04	0.02	0.16	0.23	0.17	0.01	0.02	0.01
2025-12-24	0.01	0.04	0.02	0.16	0.41	0.17	0.01	0.02	0.01
2025-12-25	0.01	0.02	0.02	0.17	0.24	0.18	0.01	0.02	0.01
2025-12-26	0.02	0.03	0.02	0.17	0.23	0.18	0.01	0.02	0.02
2025-12-27	0.02	0.05	0.02	0.18	0.23	0.19	0.01	0.02	0.02
2025-12-28	0.01	0.03	0.02	0.18	1.11	0.19	0.01	0.03	0.02
2025-12-29	0.01	0.02	0.01	0.19	0.26	0.20	0.02	0.03	0.02
2025-12-30	0.01	0.02	0.01	0.20	0.23	0.21	0.01	0.05	0.02
2025-12-31	0.01	0.02	0.01	0.20	0.25	0.22	0.01	0.02	0.01

**Notes:**

Filter 2 drained and offline for the season.

## Train 2 Filter Turbidity (NTU)

Date	Filter 4			Filter 5			Filter 6		
	Min	Max	Average	Min	Max	Average	Min	Max	Average
2025-12-01	0.01	0.02	0.01	0.12	0.14	0.12	0.03	0.04	0.04
2025-12-02	0.01	0.02	0.02	0.12	0.21	0.12	0.04	0.04	0.04
2025-12-03	0.01	0.04	0.02	0.12	0.17	0.12	0.04	0.05	0.04
2025-12-04	0.01	0.02	0.02	0.11	0.15	0.12	0.05	0.06	0.05
2025-12-05	0.01	0.03	0.02	0.11	0.16	0.12	0.05	0.07	0.06
2025-12-06	0.01	0.03	0.01	0.12	0.15	0.12	0.02	0.14	0.05
2025-12-07	0.01	0.03	0.01	0.12	0.17	0.12	0.02	0.03	0.02
2025-12-08	0.01	0.02	0.01	0.12	0.19	0.12	0.01	0.03	0.02
2025-12-09	0.01	0.03	0.02	0.12	0.16	0.13	0.01	0.03	0.02
2025-12-10	0.01	0.02	0.02	0.12	0.17	0.12	0.01	0.03	0.02
2025-12-11	0.01	0.02	0.02	0.11	0.26	0.12	0.01	0.04	0.02
2025-12-12	0.02	0.02	0.02	0.12	0.19	0.12	0.01	0.03	0.02
2025-12-13	0.02	0.02	0.02	0.11	0.17	0.12	0.01	0.02	0.01
2025-12-14	0.02	0.03	0.02	0.11	0.41	0.12	0.01	0.03	0.01
2025-12-15	0.02	0.04	0.02	0.12	0.16	0.12	0.01	0.03	0.02
2025-12-16	0.02	0.02	0.02	0.12	0.31	0.12	0.01	0.02	0.01
2025-12-17	0.02	0.03	0.02	0.12	0.16	0.13	0.01	0.03	0.01
2025-12-18	0.01	0.04	0.02	0.13	0.20	0.13	0.01	0.04	0.02
2025-12-19	0.01	0.02	0.01	0.13	0.30	0.14	0.03	0.05	0.04
2025-12-20	0.01	0.01	0.01	0.13	0.24	0.14	0.03	0.04	0.04
2025-12-21	0.01	0.03	0.01	0.13	5.59	0.14	0.02	0.06	0.02
2025-12-22	0.01	0.03	0.01	0.13	0.23	0.14	0.02	0.02	0.02
2025-12-23	0.01	0.04	0.02	0.13	0.26	0.14	0.02	0.04	0.02
2025-12-24	0.01	0.08	0.03	0.13	0.17	0.14	0.01	0.11	0.03
2025-12-25	0.01	0.03	0.01	0.13	0.20	0.14	0.01	0.02	0.02
2025-12-26	0.01	0.02	0.01	0.14	0.18	0.15	0.01	0.03	0.01
2025-12-27	0.01	0.03	0.01	0.14	0.21	0.15	0.01	0.04	0.01
2025-12-28	0.01	0.04	0.01	0.13	0.18	0.14	0.01	0.05	0.02
2025-12-29	0.01	0.03	0.01	0.13	0.20	0.14	0.01	0.02	0.02
2025-12-30	0.01	0.03	0.01	0.13	0.17	0.14	0.01	0.05	0.01
2025-12-31	0.01	0.02	0.01	0.12	5.57	0.14	0.01	0.02	0.02

### Notes:

Filter 5 drained and offline for the season.

**UV Treatment:**

<b>Date</b>	<b>Average Flow (L/s)</b>	<b>Avg Validated Dose (mj/cm2)</b>	<b>Undosed Flow (ML)</b>
2025-12-01	66.00	17.26	0.0000
2025-12-02	87.55	22.00	0.0000
2025-12-03	62.14	16.09	0.0000
2025-12-04	88.60	22.00	0.0000
2025-12-05	55.27	14.62	0.0000
2025-12-06	83.70	22.00	0.0000
2025-12-07	76.68	22.00	0.0000
2025-12-08	74.51	21.37	0.0000
2025-12-09	66.96	17.37	0.0097
2025-12-10	85.82	22.00	0.0005
2025-12-11	57.14	16.29	0.0000
2025-12-12	79.00	22.00	0.0005
2025-12-13	78.96	22.00	0.0000
2025-12-14	79.85	22.00	0.0000
2025-12-15	82.73	21.92	0.0252
2025-12-16	81.11	21.91	0.0000
2025-12-17	50.37	14.18	0.0266
2025-12-18	82.44	22.00	0.0084
2025-12-19	84.05	22.00	0.0000
2025-12-20	83.27	22.00	0.0000
2025-12-21	61.97	16.56	0.0000
2025-12-22	82.47	22.00	0.0000
2025-12-23	83.31	22.00	0.0000
2025-12-24	43.63	11.95	0.0000
2025-12-25	83.38	22.00	0.0000
2025-12-26	46.57	12.63	0.0000
2025-12-27	82.58	22.00	0.0000
2025-12-28	83.12	21.97	0.0000
2025-12-29	82.50	22.00	0.0002
2025-12-30	82.45	22.00	0.0000
2025-12-31	30.37	8.39	0.0000

Monthly Total (ML): 0.0711

% of monthly water that was not UV treated: 0.037%

Notes:

## UV Transmittance %:

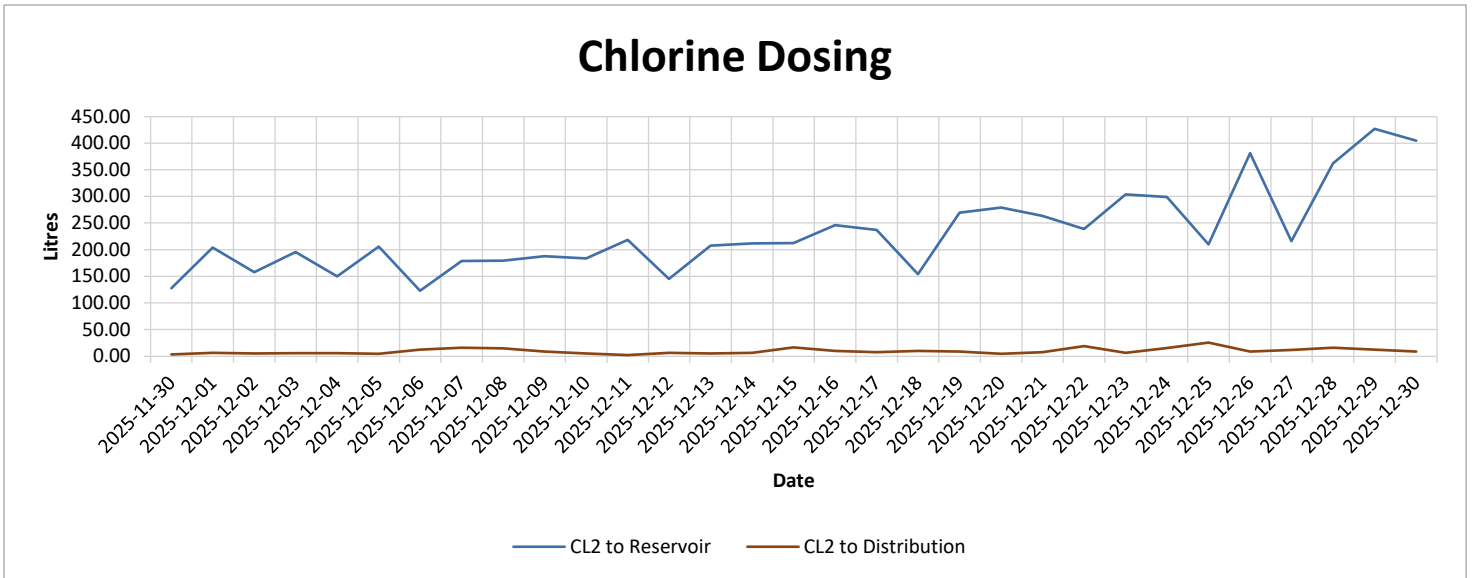
Date	Min	Max	Average
2025-12-01	87.89	89.94	89.03
2025-12-02	86.62	90.01	88.54
2025-12-03	85.35	90.33	88.81
2025-12-04	87.52	89.89	88.92
2025-12-05	86.62	89.82	88.84
2025-12-06	84.98	90.18	89.03
2025-12-07	87.11	89.77	88.91
2025-12-08	84.98	89.40	88.68
2025-12-09	85.96	90.74	88.74
2025-12-10	87.77	90.38	88.68
2025-12-11	86.50	89.72	88.71
2025-12-12	86.94	88.21	87.65
2025-12-13	85.59	88.18	87.51
2025-12-14	86.98	88.08	87.49
2025-12-15	87.03	89.47	88.49
2025-12-16	87.72	89.04	88.33
2025-12-17	87.67	89.30	88.44
2025-12-18	87.47	89.23	88.46
2025-12-19	86.94	88.91	88.09
2025-12-20	87.59	88.67	88.06
2025-12-21	87.64	89.04	88.46
2025-12-22	87.59	89.23	88.28
2025-12-23	87.11	89.28	88.15
2025-12-24	86.81	89.28	88.28
2025-12-25	87.64	89.04	88.36
2025-12-26	87.64	88.55	88.02
2025-12-27	87.52	88.67	88.02
2025-12-28	87.47	89.11	88.34
2025-12-29	87.47	88.99	88.07
2025-12-30	87.55	89.04	88.20
2025-12-31	86.89	88.79	88.08

### Notes:

# Chemical Demand:

Chlorine Used:

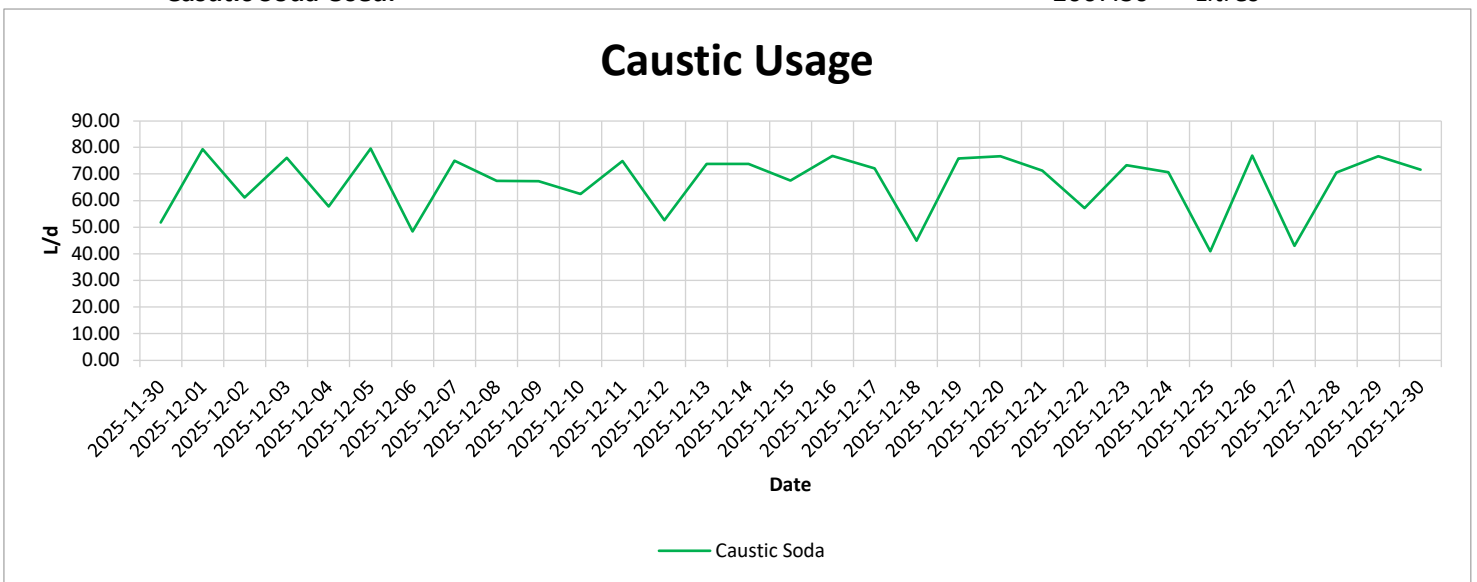
Total for Month  
7468.81 Litres



Notes:

Caustic Soda Used:

Total for Month  
2067.30 Litres

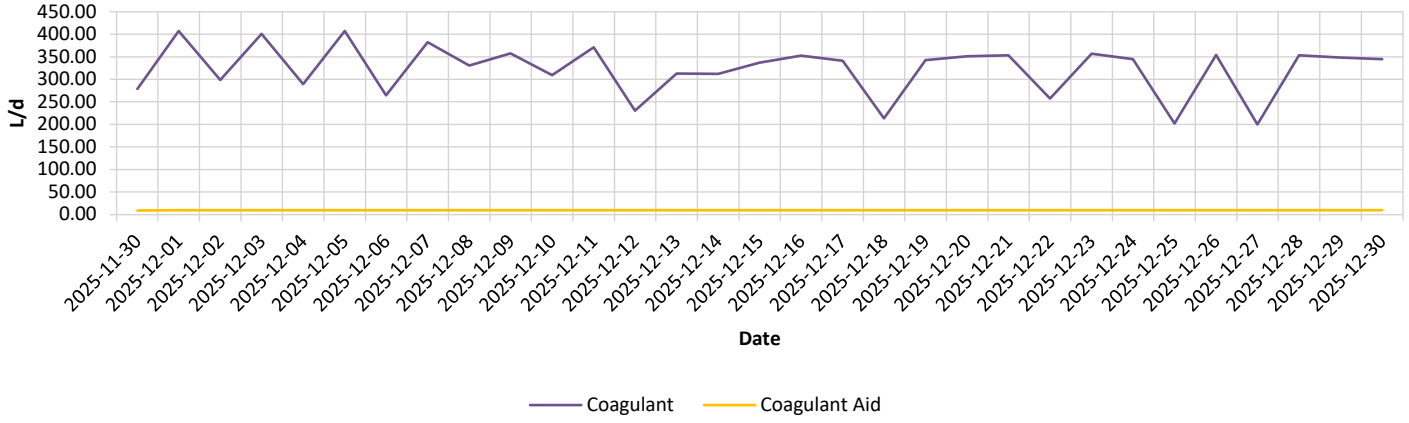


Notes:

**Coagulant Used:**  
**Coagulant Aid Used:**

**Total for Month**  
 10005.68 Litres  
 296.19 Litres

### Coagulant and Aid Usage



Notes:

**Polymer @ .2% Concentration:**

**Total for Month**  
 27570.40 Litres

**Polymer @ .5% Concentration:**

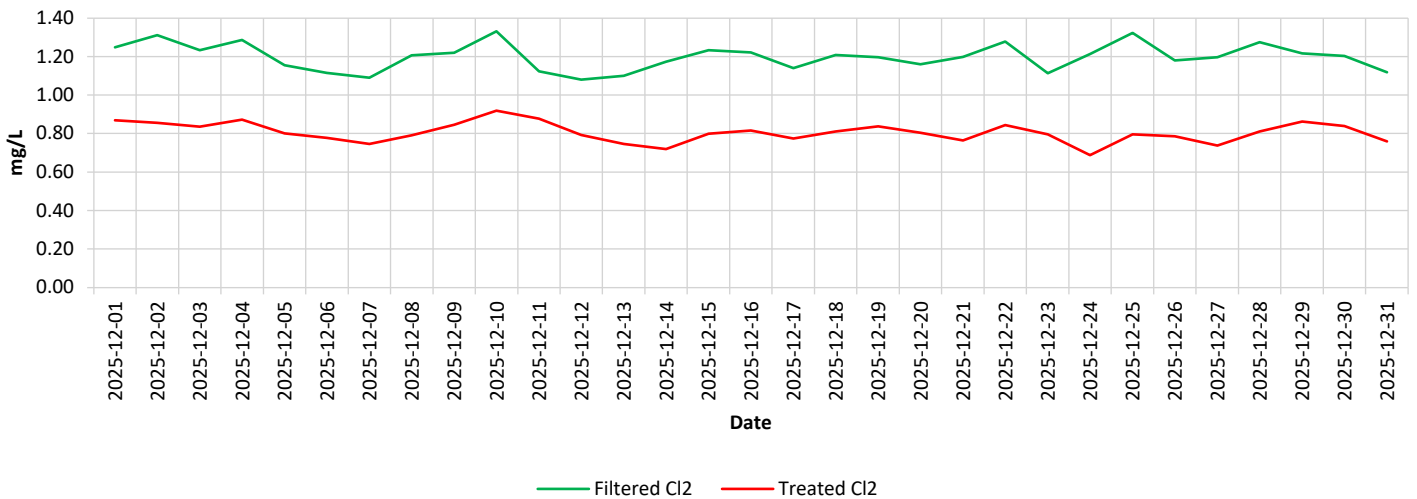
**Total for Month**  
 48777.61 Litres

**Chlorine Dose**

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

Treated Water (Distributed) Cl2 Average (mg/L): 0.81 mg/L

### Average Residual CL2 Content



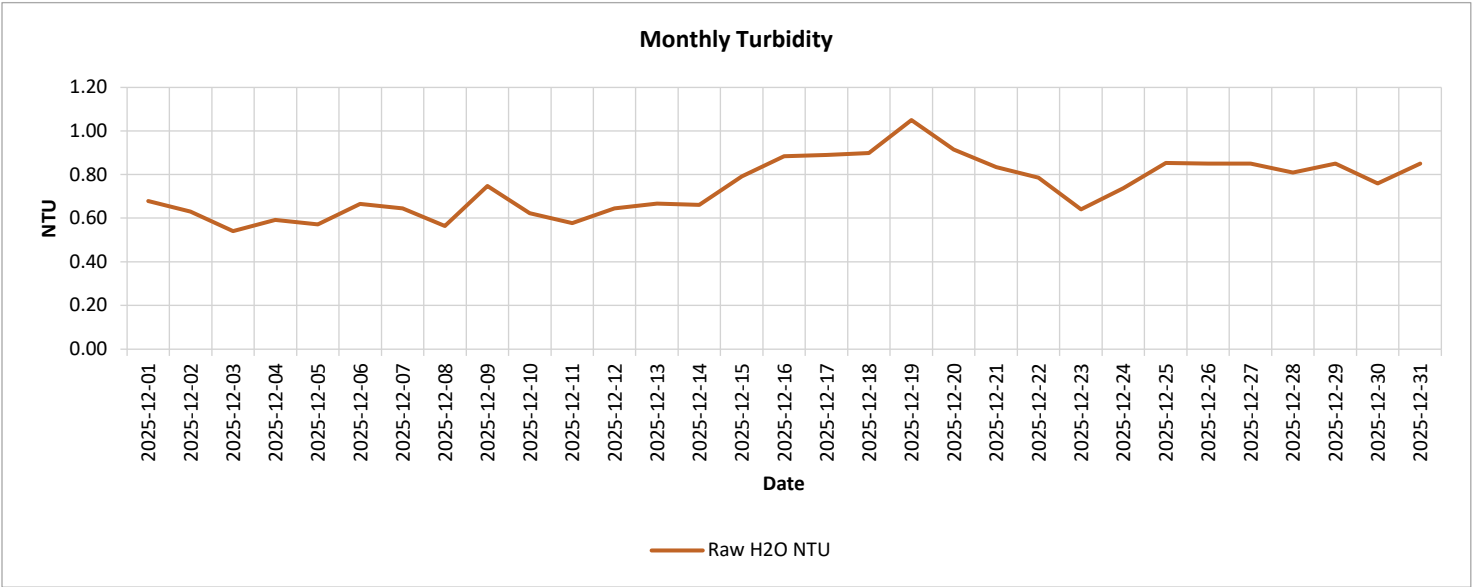
# Water Quality Analytics:

## Turbidity

Raw Water Monthly Average:

0.74

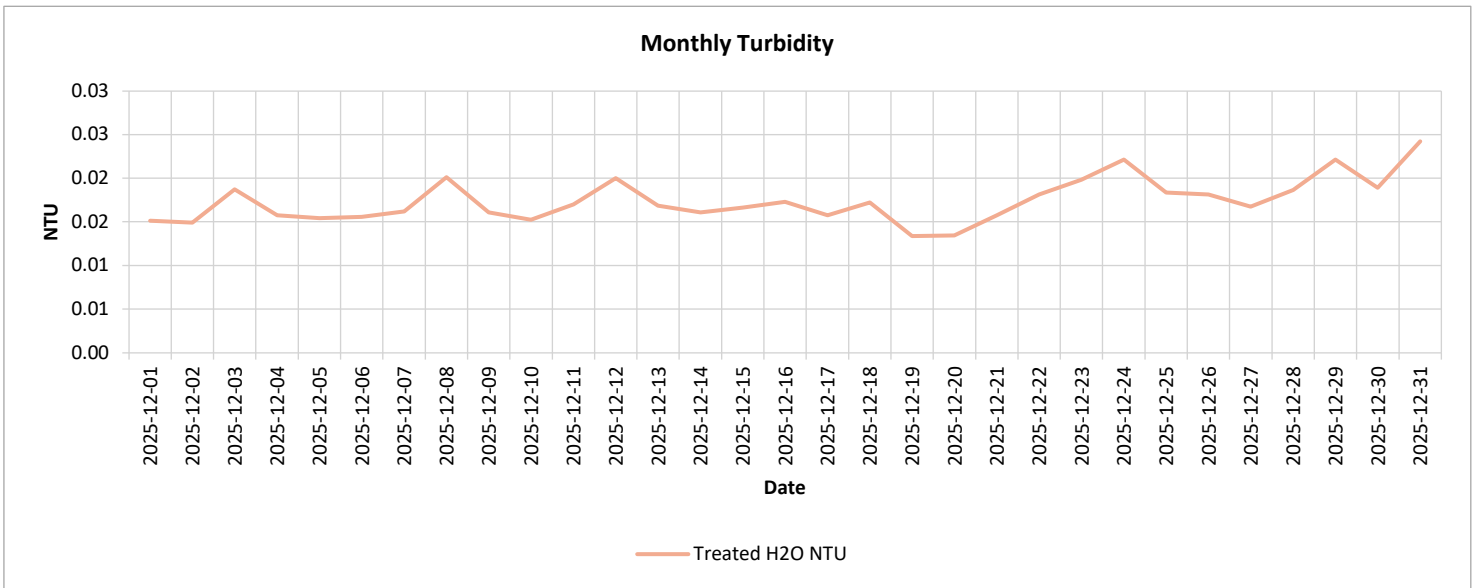
NTU



Treated Water Monthly Average:

0.02

NTU



Notes:

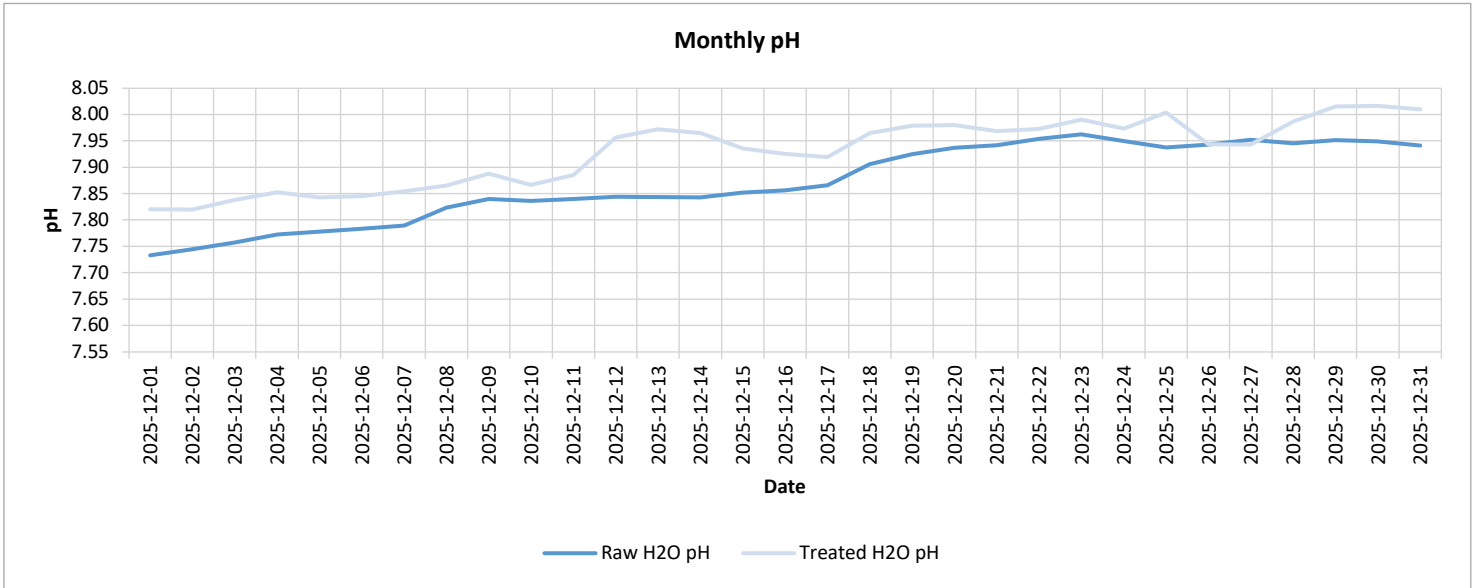
**pH**

Raw Water Monthly Average:

7.87 pH

Treated Water Monthly Average:

7.93 pH



**Notes:**

## Rose Valley WTP Operational Highlights:

**Dec 2nd** - Start filter surveillance testing on Filter #2. Norhaz onsite for Rose Valley Dam visit

**Dec 3rd** - Alumichem onsite for testing

**Dec 9th** - Approved Services onsite to clean out remaining sludge tank. Multiple Power outages starting at 0630.

**Dec 15th** - Power outage @ 2050.

**Dec 16th** - Lower full fluidization time on backwash to 7.5 minutes.

**Dec 18th** - Receive sodium hypochlorite delivery.

**Dec 19th** - Calibrate coagulant pumps after tube replacement.

**Dec 23rd** - Poly pump arrived back from warranty fix, installed and put back into service on Daf 1. Pacific Western onsite troubleshooting & fixed ground fault on fire protection system.

## Rose Valley Watershed Operational Highlights:

### **Rose Valley**

-Weekly Dam inspections

-Dec 8<sup>th</sup> Ran Generator

### **Bighorn**

-Dec 3<sup>rd</sup> Site check

-Dec 10<sup>th</sup> Site check

### **BCI/Rotork**

-Dec 4<sup>th</sup> Site check

-Dec 11<sup>th</sup> Site check

-Dec 15<sup>th</sup> Site check removed fallen trees from road

We have switched over to winter weekly Reservoir site visits. This will depend on snow levels and transportation requirements needed to get up to the watershed.

## 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

December 2025

## Water Quality Data Review

- Based on the Rose Valley Water Service Area (RVWSA) distribution system grab-sample data, it appears the free-chlorine (FCR) and bacteriological results have met the Water Quality Objectives (WQO) during the month of December. There was a water quality event isolated to the Shannon Way Reservoir area Dec 15<sup>th</sup> to 18<sup>th</sup> where turbidity did not comply and a water quality advisory was issued for 5 days, beyond this event all other sampling locations complied with Water Quality objectives during the month of December.
- December Bacteriological sampling summary:
  - 24 samples to CARO for analysis
  - 8 samples analyzed in-house at Rose Valley Water Treatment Plant (RVWTP)
  - All routine bacteriological samples for the month had a result of <1 CFU/100mL for Total Coliforms and <1 CFU/100mL for *E.coli*.

- December 1, 2025 – Pinewood Reservoir was dosed with sodium hypochlorite to raise the FCR by 0.50mg/L.
- December 5, 2025 – Menu Pump Station (PS) hypo stock strength was changed on PLC to 10%.
- December 5, 2025 – Lower Boucherie PS hypo stock strength was changed on PLC to 7.3%.
- December 5, 2025 – Pettman Reservoir was dosed with sodium hypochlorite to raise the FCR by 0.20mg/L.
- On December 11, the Utility Department began troubleshooting abnormal water level trends at the Shannon Way Reservoir. An internal inspection of the flow control valve revealed an unfamiliar object, which was removed as it was thought it may have been affecting the level control conditions being experienced. The valve's pilot components were re-plumbed with stainless fittings before being returned to service. Despite these efforts, level trends continued to show irregularities, indicating the water level was not controlling as intended.

On December 12, further troubleshooting identified an issue with the Woodstock Pressure Reducing Valve (PRV)—the backup water supply to the Shannon Way Reservoir Pressure Zone. The Bypass PRV was continuously filling the zone and reservoir in reverse. Crews isolated the Bypass PRV, restoring the normal flow path through the Shannon Way Reservoir flow control valve.

On December 13, some residents in the Shannon Way neighborhood reported discolored water. The Utility Department monitored the system and discovered that the reservoir was filling much faster than normal, causing high velocity and stirring up harmless sediment in the pipes, which affected water clarity. To ensure safety, the Utility Department worked with Interior Health to issue a Water Quality Advisory on December 15 and began flushing and testing the system.

Crews quickly corrected this by reinstalling the flow-limiting component in the control valve to slow the fill rate and stabilize the system until a permanent solution could be implemented.

By December 18, water quality met provincial standards, and bacteriological tests confirmed the water was safe. The advisory was lifted once all results were verified. The Utility Department thanks all customers in the water service area for their patience and cooperation while water quality was restored.



Date	Time	Sample Location	Turbidity (NTU)	FCR (mg/L)	Total Coliforms (CFU/100mL)	E.Coli (CFU/100mL)
16-Dec-25	8:52	Shannon Way SS	0.06	0.65	<1	<1
16-Dec-25	9:50	Shannon Way - Hydrant #467	0.91	0.43	<1	<1
17-Dec-25	9:15	Shannon Way Res Hatch #2	0.58	0.48	<1	<1
17-Dec-25	9:24	Shannon Way SS	0.07	0.54	<1	<1
17-Dec-25	9:45	Shannon Way - Hydrant #467	0.50	0.38	<1	<1
18-Dec-25	8:57	Shannon Way Res Hatch #1	1.32	0.24	<1	<1
18-Dec-25	9:05	Shannon Way Res Hatch #2	0.75	0.33	<1	<1
18-Dec-25	9:13	Shannon Way SS	0.07	0.51	<1	<1
18-Dec-25	9:52	Shannon Way - Hydrant #467	0.41	0.31	<1	<1

- December 16, 2025 – Blackwood PS FCR analyzer calibration adjustment of 0.31mg/L.
- December 17, 2025 – Lower Boucherie PS hypo stock strength was changed on PLC to 6.6%.
- December 22, 2025 – Lower Boucherie PS FCR analyser calibration adjustment of 0.34mg/L.
- December 22, 2025 – Upper Boucherie PS FCR analyser calibration adjustment of 0.18mg/L.
- December 22, 2025 – Tallus Reservoir the hypo pump was turned back on and set to 10mL/hr.

## Operational System Improvements/Events

- December 1, 2025 – 2558 Pebble Pl blow off leak repair was conducted by City Contractor.
- December 3, 2025 – 2715 Thacker air valve was repaired by City crews.
- December 10, 2025 – 1187 Trevor Dr water service leak repair
- December 5, 2025 – Rosewood Pump Station Setpoint adjustment to produce a better water turn over in reservoir.
- December 8, 2025 – Pinewoods PS replaced foot valve and tubing inserts on the suction side of Hypo pump.
- December 10, 2025 – PRV at Caledonia Way was repaired and new isolation valve installed. During repair water was shut down to the zone from 8am to 2pm this included all homes on Caledonia Way, Faulkner Crescent and Faulkner Court. All curb stops were located and closed, if possible, prior to work being completed.
- December 11 - 18, 2025 – Shannon Way Reservoir Flow Control Valve and Woodstock PRV failure and water quality disturbance event – see summary above in the Water Quality Review section.
- December 17, 2025 – 1027 Aurora Heights service leak repaired by City crews, only the one property affected by repair.
- December 18, 2025 – PRV #6 at Pritchard fire flow pilot was found to be leaking, repair was completed same day.
- December 18, 2025 – 2712 Cordova Way service line leak on city side work conducted by CWK crew and City contractor. Only one property affected by repair.
- December 23, 2025 – 2950 Ourtoland Rd leak on service line to the agricultural connection, repaired by City crews in conjunction with a City contractor.
- December 31, 2025 – Rosewood PS a new UPS replaced the failing one in the station servicing the PLC.
- December 31, 2025 – Lower Boucherie PS both hypo pumps were serviced and cleaned, including replacing the tubing and hose clamps.

# WQ Field and SCADA Data

Sampling Location Table:

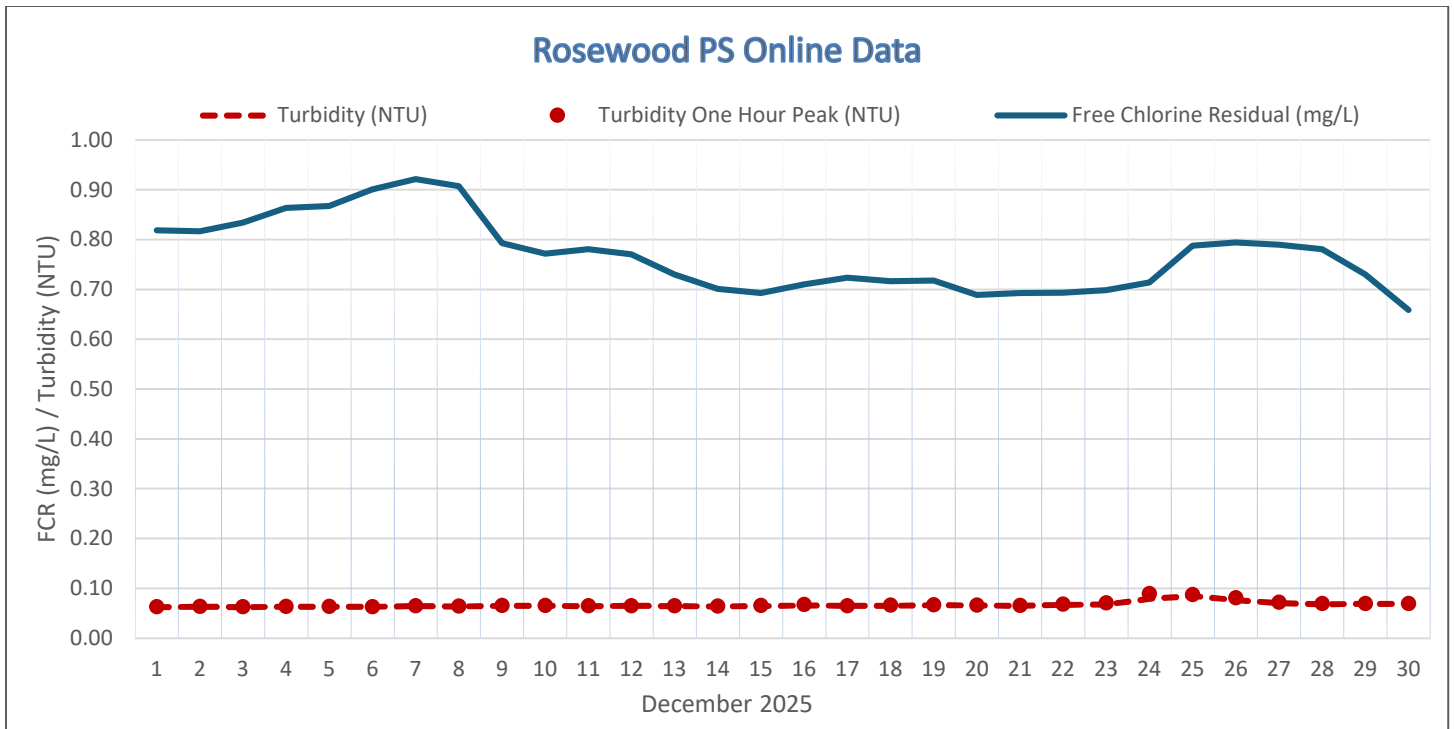
Sample Name	Civic Address	Pressure Zone	WQ Sampling Rationale
<b>Rosewood PS</b>	1463 Rosewood Dr	597	Installed new online water quality analyzer at Rosewood PS and changed grab sample location from <b>RV Trails</b> to this new location to coincide and best represent as the "First Customer Sample" entering the RVWSA distribution network.
<b>Menu PS</b>	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.
<b>Blackwood PS</b>	1551 Blackwood Dr	584	Mid system water quality check. Water quality entering the West Kelowna Estates area.
<b>Thacker SS</b>	3111 Thacker Dr	539	End system water quality check.
<b>Lower Boucherie PS &amp; Res</b>	Entry at end of road near 1359 Cabernet Way	627	Mid system water quality check. Water quality entering the Sunnyside area.
<b>Upper Boucherie Res Outlet</b>	Entry across from 1489 Cabernet Way	627	Mid system water quality check. Water quality entering the Sunnyside area.
<b>Shannon Way SS</b>	2240 Hihannah Dr	597	Mid system water quality check. Water quality for the Shannon Lake area.
<b>Lower Horizon SS</b>	2100 Horizon Dr	507	End system water quality check.
<b>Pritchard SS</b>	1599 Pritchard Dr	409	End system water quality check.
<b>Vineyard View SS</b>	Adjacent to 3284 Vineyard View Dr	588	Mid system water quality check. Location is after re-chlorination at the Upper Boucherie Reservoir. Replaced the <b>Viognier PRV</b> sample location.
<b>Lakeview Cove PS</b>	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)
<b>Dec 2025</b>								
1	0.06	0.06	0.73	0.88	0.82	8.18	7.86	822
2	0.06	0.06	0.75	0.89	0.82	8.03	7.85	804
3	0.06	0.06	0.71	0.95	0.83	7.89	7.86	792
4	0.06	0.06	0.71	1.05	0.86	7.78	7.86	779
5	0.06	0.06	0.78	0.96	0.87	7.60	7.86	768
6	0.06	0.06	0.76	1.19	0.90	7.44	7.86	771
7	0.06	0.07	0.76	1.08	0.92	7.37	7.87	781
8	0.06	0.06	0.73	1.23	0.91	7.27	7.88	770
9	0.06	0.07	0.65	1.05	0.79	7.19	7.89	755
10	0.07	0.07	0.70	0.84	0.77	7.13	7.90	767
11	0.06	0.06	0.71	0.83	0.78	7.07	7.90	771
12	0.06	0.07	0.72	0.83	0.77	7.06	7.91	778
13	0.06	0.07	0.65	0.82	0.73	6.98	7.97	773
14	0.06	0.06	0.60	0.87	0.70	6.92	7.98	752
15	0.06	0.07	0.57	0.80	0.69	6.97	7.98	738
16	0.07	0.07	0.63	0.81	0.71	6.95	7.95	742
17	0.06	0.07	0.62	1.03	0.72	6.93	7.94	740
18	0.07	0.07	0.62	0.86	0.72	6.93	7.94	742
19	0.07	0.07	0.64	0.85	0.72	6.89	7.98	747
20	0.07	0.07	0.63	0.75	0.69	6.77	8.00	736
21	0.07	0.07	0.61	0.77	0.69	6.58	7.99	723
22	0.07	0.07	0.60	0.79	0.69	6.48	7.99	717
23	0.07	0.07	0.60	0.77	0.70	6.39	8.00	711
24	0.08	0.09	0.60	1.01	0.71	6.38	8.01	718
25	0.08	0.09	0.66	0.92	0.79	6.23	8.00	728
26	0.08	0.08	0.67	0.91	0.79	6.16	8.02	725
27	0.07	0.07	0.70	0.91	0.79	5.97	8.01	720
28	0.07	0.07	0.67	0.93	0.78	5.77	8.02	719
29	0.07	0.07	0.68	0.84	0.73	5.59	8.02	708
30	0.07	0.07	0.63	0.71	0.66	5.61	8.02	703
31	0.07	0.07	0.65	0.65	0.65	5.61	8.02	703
<b>Average</b>	0.07		0.67	0.90	0.77	6.84	7.95	748.42
<b>Min</b>	0.06		0.57	0.65	0.65	5.59	7.85	703.22
<b>Max</b>	0.08	0.09	0.78	1.23	0.92	8.18	8.02	822.01



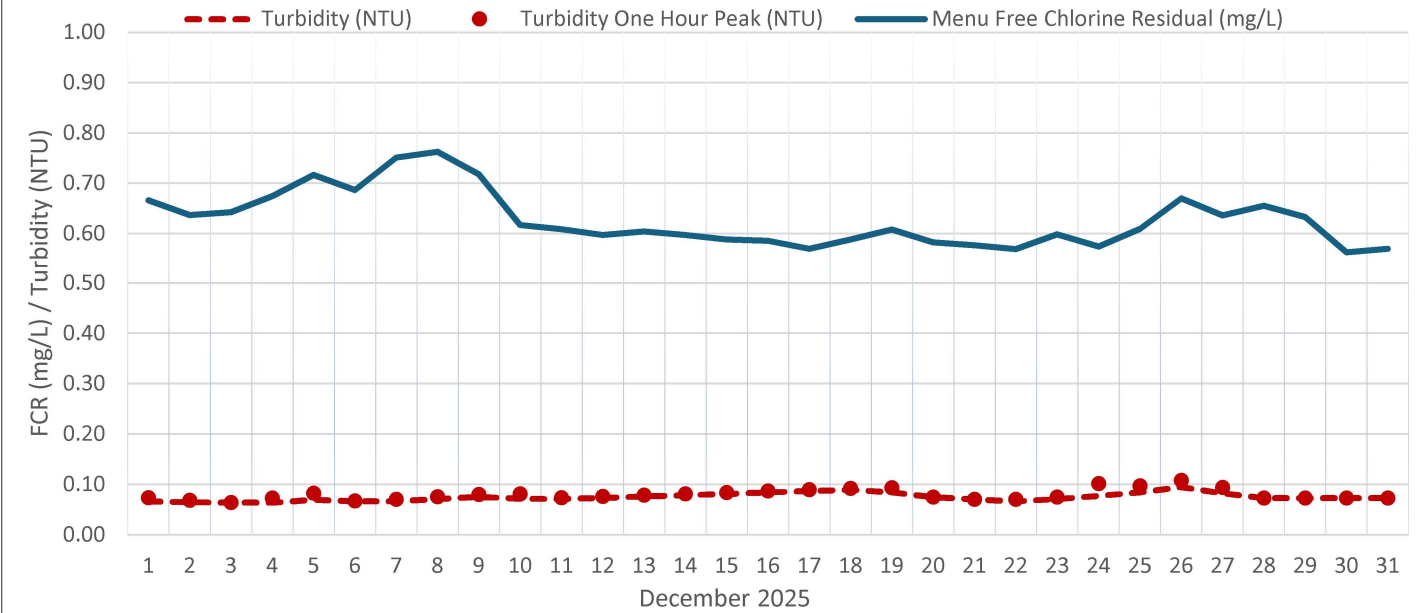
Rosewood PS Water Quality						
Date	Turbidity		Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
02-Dec-25	0.15	0.06	8.0	0.86	0.8	7.73
09-Dec-25	0.12	0.06	7.2	1.07	0.89	7.58
16-Dec-25	0.08	0.70	7.0	1.01	0.69	7.69
23-Dec-25	0.14	0.08	6.3	0.91	0.67	7.88
30-Dec-25	0.26	0.21	6.3	0.82	0.65	7.76
# of Samples	5	5	5	5	5	5
Average	0.15	0.22	7.0	0.93	0.74	7.73
Range	0.08-0.26	0.06-0.70	6.3-8.0	0.82-1.07	0.65-0.89	7.58-7.88

2025 Rosewood PS Water Quality Annual Stats						
Stats	Turbidity		Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
# of Samples	68	55	67	69	53	57
Average	0.15	0.11	9.6	0.86	0.83	7.51
Range	0.02-0.44	0.06-0.82	3.5-21.6	0.63-1.27	0.46-1.38	6.71-7.95

# Menu PS

Menu PS Online Data									
Date	Combined Flow Total From RV	Turbidity	Turbidity (Peak 1 Hr)	Temp	pH	ORP	FCR		
	(m3)	Avg (NTU)	Max Based On 1 Hr Avg	Avg (°C)	Avg (pH)	Avg (mV)	Min (mg/L)	Max (mg/L)	Avg (mg/L)
<b>Dec 2025</b>									
1	1273	0.07	0.07	8.57	7.48	838	0.62	0.71	0.67
2	1274	0.06	0.07	8.47	7.47	830	0.61	0.68	0.64
3	1438	0.06	0.06	8.35	7.46	823	0.60	0.74	0.64
4	882	0.06	0.07	8.18	7.46	818	0.61	0.73	0.67
5	1268	0.07	0.08	8.04	7.47	813	0.63	0.77	0.72
6	1306	0.07	0.07	7.90	7.46	805	0.63	0.79	0.69
7	1405	0.07	0.07	7.86	7.47	813	0.71	0.81	0.75
8	936	0.07	0.08	7.73	7.47	816	0.69	0.81	0.76
9	1226	0.08	0.08	7.60	7.47	800	0.64	0.78	0.72
10	1406	0.07	0.08	7.48	7.48	792	0.59	0.65	0.62
11	1274	0.07	0.07	7.48	7.48	801	0.58	0.64	0.61
12	936	0.07	0.08	7.39	7.48	800	0.57	0.62	0.60
13	1443	0.08	0.08	7.37	7.51	805	0.58	0.65	0.60
14	1284	0.08	0.08	7.24	7.56	791	0.56	0.64	0.60
15	1279	0.08	0.08	7.26	7.56	776	0.55	0.64	0.59
16	1048	0.08	0.09	7.24	7.56	770	0.54	0.63	0.59
17	1307	0.09	0.09	7.22	7.53	775	0.53	0.63	0.57
18	1370	0.09	0.09	7.15	7.53	772	0.56	0.62	0.59
19	1264	0.08	0.09	7.17	7.55	776	0.58	0.66	0.61
20	1121	0.07	0.07	7.19	7.58	775	0.53	0.65	0.58
21	1241	0.07	0.07	7.00	7.60	760	0.55	0.61	0.58
22	928	0.07	0.07	6.89	7.59	751	0.53	0.61	0.57
23	1230	0.07	0.07	6.76	7.59	747	0.55	0.64	0.60
24	1186	0.08	0.10	6.72	7.60	742	0.55	0.60	0.57
25	1246	0.08	0.10	6.70	7.60	753	0.56	0.70	0.61
26	931	0.09	0.11	6.61	7.60	760	0.63	0.71	0.67
27	1228	0.08	0.09	6.53	7.61	752	0.61	0.67	0.64
28	1336	0.07	0.07	6.31	7.60	749	0.62	0.70	0.66
29	1260	0.07	0.07	6.28	7.62	744	0.59	0.67	0.63
30	939	0.07	0.07	6.17	7.61	732	0.54	0.60	0.56
31	1278	0.07	0.07	5.87	7.61	736	0.54	0.59	0.57
<b>Total</b>	36273								
<b>Average</b>	1211.14	0.07		7.25	7.54	781.12	0.59	0.68	0.63
<b>Min</b>	882.18	0.06		5.87	7.46	731.59	0.53	0.59	0.56
<b>Max</b>	1443.05	0.09	0.11	8.57	7.62	838.43	0.71	0.81	0.76

### Menu PS Online Data



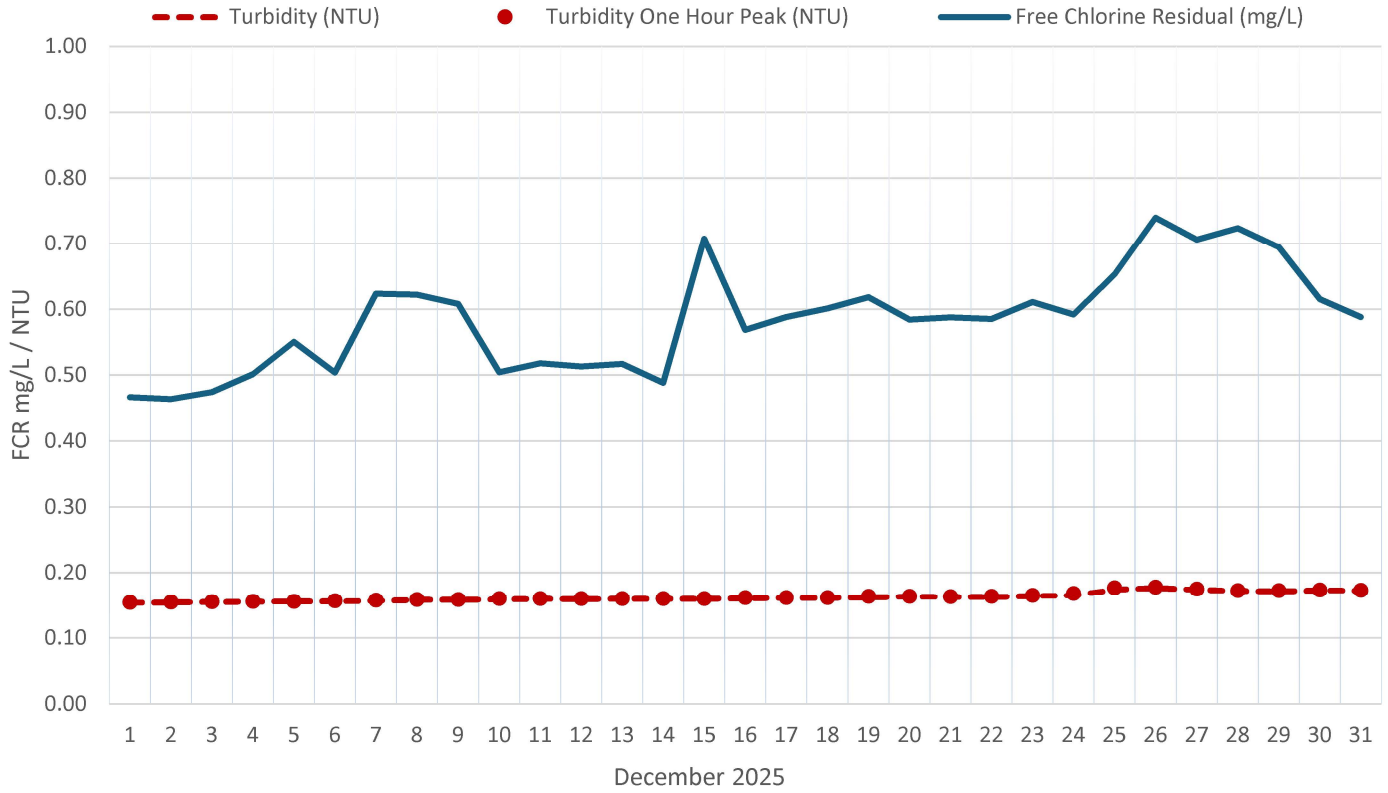
Menu PS Water Quality						
Date	Turbidity		Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
02-Dec-25	0.13	0.06	8.7	0.72	0.64	7.66
09-Dec-25	0.13	0.07	7.6	0.83	0.73	7.74
16-Dec-25	0.12	0.07	7.4	0.67	0.59	7.77
23-Dec-25	0.14	0.07	6.8	0.7	0.62	7.96
30-Dec-25	0.13	0.07	8.4	0.74	0.56	7.7
# of Samples	5	5	5	5	5	5
Average	0.13	0.068	7.78	0.732	0.628	7.766
Range	0.12-0.14	0.06-0.07	6.8-8.7	0.67-0.83	0.56-0.73	7.66-7.96

2025 Menu PS Water Quality Annual Stats						
Stats	Turbidity		Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
# of Samples	72	70	72	72	68	66
Average	0.14	0.09	9.8	0.71	0.65	7.46
Range	0.05-0.59	0.06-0.20	4.2-21.3	0.49-1.22	0.45-1.13	6.56-7.96

# 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 (us/cm)	Avg (mV)
<b>Dec 2025</b>									
1	0.15	0.15	0.43	0.49	0.47	9.38	7.47	216.29	764.84
2	0.15	0.16	0.43	0.48	0.46	9.26	7.47	216.24	748.55
3	0.15	0.16	0.44	0.51	0.47	9.13	7.47	216.25	733.62
4	0.16	0.16	0.46	0.53	0.50	9.05	7.47	216.41	728.80
5	0.16	0.16	0.49	0.60	0.55	8.91	7.48	217.07	729.84
6	0.16	0.16	0.46	0.61	0.50	9.02	7.48	216.68	722.51
7	0.16	0.16	0.58	0.68	0.62	8.55	7.49	217.90	739.93
8	0.16	0.16	0.57	0.66	0.62	8.47	7.50	217.97	744.10
9	0.16	0.16	0.54	0.68	0.61	8.37	7.50	217.88	728.70
10	0.16	0.16	0.46	0.57	0.50	8.28	7.51	217.16	718.95
11	0.16	0.16	0.49	0.54	0.52	8.23	7.51	217.40	733.27
12	0.16	0.16	0.48	0.54	0.51	8.20	7.52	217.46	735.10
13	0.16	0.16	0.48	0.55	0.52	8.06	7.54	217.95	746.97
14	0.16	0.16	0.44	0.52	0.49	7.98	7.59	217.94	729.89
15	0.16	0.16	0.44		0.71	7.99	7.60	218.05	707.37
16	0.16	0.16	0.52	0.62	0.57	7.86	7.59	218.40	701.23
17	0.16	0.16	0.55	0.64	0.59	7.99	7.56	218.75	707.07
18	0.16	0.16	0.54	0.64	0.60	7.97	7.56	219.32	704.46
19	0.16	0.16	0.57	0.65	0.62	7.88	7.57	220.27	711.98
20	0.16	0.16	0.54	0.62	0.58	7.96	7.61	220.62	712.30
21	0.16	0.16	0.55	0.61	0.59	7.73	7.63	221.29	695.75
22	0.16	0.16	0.55	0.65	0.59	7.63	7.62	221.83	684.17
23	0.16	0.17	0.55	0.66	0.61	7.73	7.62	222.78	681.46
24	0.17	0.17	0.56	0.61	0.59	7.62	7.63	223.32	674.18
25	0.17	0.18	0.55	0.75	0.65	7.41	7.63	225.04	690.13
26	0.18	0.18	0.68	0.79	0.74	7.34	7.64	227.22	701.19
27	0.17	0.18	0.67	0.73	0.71	7.41	7.64	227.40	692.51
28	0.17	0.17	0.65	0.77	0.72	7.34	7.63	228.65	691.53
29	0.17	0.17	0.64	0.74	0.69	7.03	7.65	229.64	684.89
30	0.17	0.17	0.56	0.68	0.62	7.25	7.65	229.20	669.13
31	0.17	0.17	0.52	0.66	0.59	7.01	7.65	230.53	673.87
<b>Average</b>	0.16		0.53	0.63	0.58	8.07	7.56	220.74	712.53
<b>Min</b>	0.15		0.43	0.48	0.46	7.01	7.47	216.24	669.13
<b>Max</b>	0.18	0.18	0.68	0.79	0.74	9.38	7.65	230.53	764.84

### Blackwood Inlet PS Online Data



### Blackwood PS Outlet Water Quality

Date	Turbidity		Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
02-Dec-25	0.13	0.05	9.5	0.60	0.35	7.81
09-Dec-25	0.34	0.10	8.0	0.74	0.49	7.62
16-Dec-25	0.16	0.05	8.2	0.59	0.28	7.69
23-Dec-25	0.13	0.05	8.5	0.58	0.50	7.85
30-Dec-25	0.15	0.07	8.2	0.65	0.61	7.81
# of Samples	5	5	5	5	5	5
Average	0.18	0.06	8.5	0.63	0.45	7.76
Range	0.13-0.34	0.05-0.10	8.0-9.5	0.58-0.74	0.28-0.61	7.62-7.85

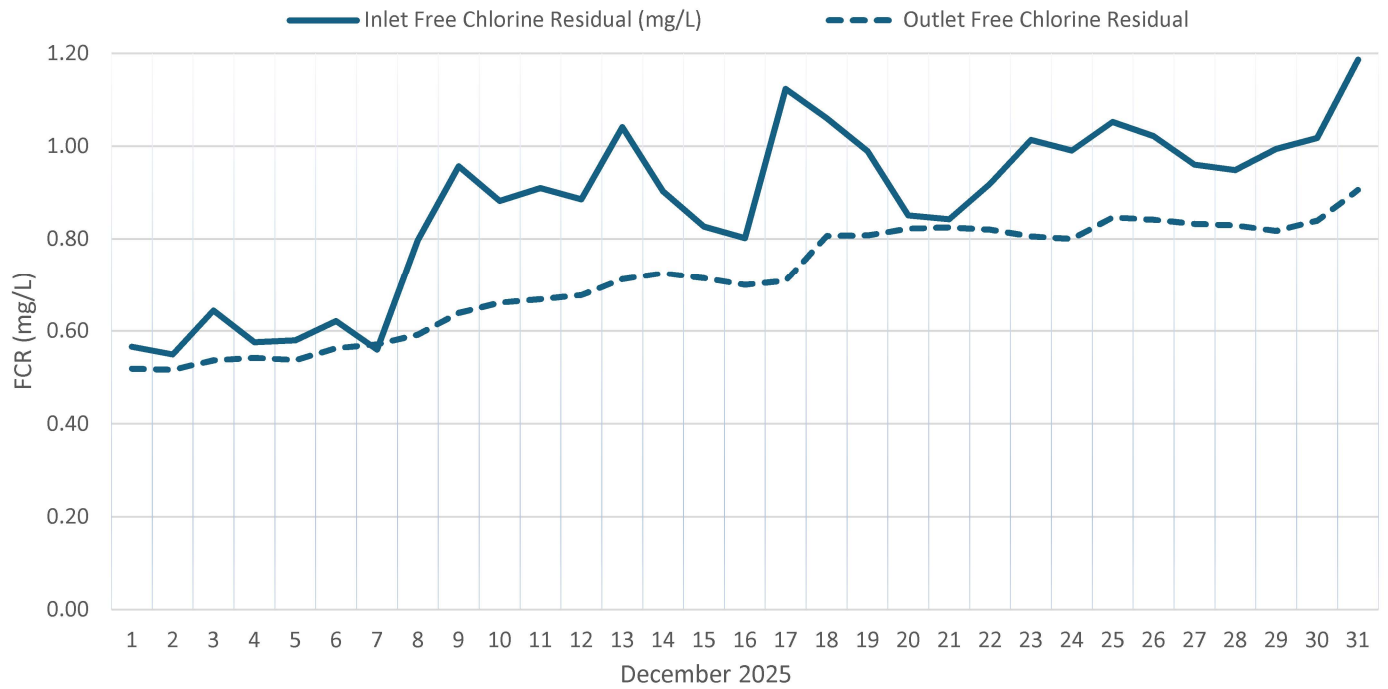
### 2025 Blackwood PS Outlet Water Quality Annual Stats

Stats	Turbidity		Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
# of Samples	73	71	73	73	71	67
Average	0.18	0.12	10.1	0.59	0.55	7.52
Range	0.07-0.74	0.05-0.68	4.4-21.5	0.10-0.80	0.04-1.47	6.5-8.75

## Upper Boucherie Outlet

Upper Boucherie Reservoir Online Data								
Date	Temp	pH	Upper Boucherie Inlet FCR			Upper Boucherie Outlet FCR		
	Avg (°C)	Avg (pH)	Min (mg/L)	Max (mg/L)	Avg (mg/L)	Min (mg/L)	Max (mg/L)	Avg (mg/L)
<b>Dec 2025</b>								
1	10.16	7.83	0.34	1.40	0.57	0.43	0.62	0.52
2	9.88	7.79	0.35	0.80	0.55	0.44	0.62	0.52
3	9.77	7.79	0.34	1.02	0.64	0.46	0.63	0.54
4	9.56	7.78	0.38	1.01	0.58	0.48	0.64	0.54
5	9.46	7.79	0.36	0.94	0.58	0.46	0.60	0.54
6	9.30	7.78	0.38	0.98	0.62	0.51	0.65	0.56
7	9.30	7.79	0.38	0.97	0.56	0.51	0.62	0.57
8	9.34	7.80	0.41	1.23	0.80	0.50	0.73	0.59
9	9.27	7.79	0.61	1.50	0.96	0.58	0.75	0.64
10	9.20	7.79	0.61	1.11	0.88	0.59	0.78	0.66
11	9.16	7.79	0.59	1.36	0.91	0.60	0.72	0.67
12	9.23	7.80	0.63	1.33	0.89	0.62	0.80	0.68
13	9.04	7.80	0.00	1.75	1.04	0.65	0.79	0.71
14	9.03	7.82	0.60	1.27	0.90	0.69	0.79	0.73
15	9.04	7.82	0.63	1.20	0.83	0.66	0.83	0.72
16	9.22	7.82	0.55	1.13	0.80	0.66	0.74	0.70
17	9.06	7.83	0.67	1.33	1.12	0.64	0.82	0.71
18	9.01	7.86	0.71	1.41	1.06	0.72	0.87	0.81
19	8.78	7.84	0.62	1.45	0.99	0.76	0.86	0.81
20	8.76	7.85	0.66	1.14	0.85	0.78	0.90	0.82
21	8.85	7.86	0.61	1.25	0.84	0.77	0.87	0.83
22	8.65	7.87	0.66	1.61	0.92	0.76	0.89	0.82
23	8.57	7.88	0.68	1.50	1.01	0.76	0.85	0.81
24	8.44	7.88	0.72	1.56	0.99	0.73	0.85	0.80
25	8.39	7.89	0.70	1.75	1.05	0.00	1.82	0.85
26	8.28	7.90	0.70	1.87	1.02	0.79	0.89	0.84
27	7.95	7.90	0.70	1.39	0.96	0.75	0.88	0.83
28	7.52	7.91	0.67	1.57	0.95	0.77	0.87	0.83
29	7.34	7.90	0.70	1.47	0.99	0.76	0.90	0.82
30	7.20	7.91	0.76	1.40	1.02	0.75	0.89	0.84
31	7.21	7.93	0.76	1.39	1.19	0.82	1.02	0.91
<b>Average</b>	8.84	7.84	0.56	1.32	0.87	0.63	0.82	0.72
<b>Min</b>	7.20	7.78	0.00	0.80	0.55	0.00	0.60	0.52
<b>Max</b>	10.16	7.93	0.76	1.87	1.19	0.82	1.82	0.91

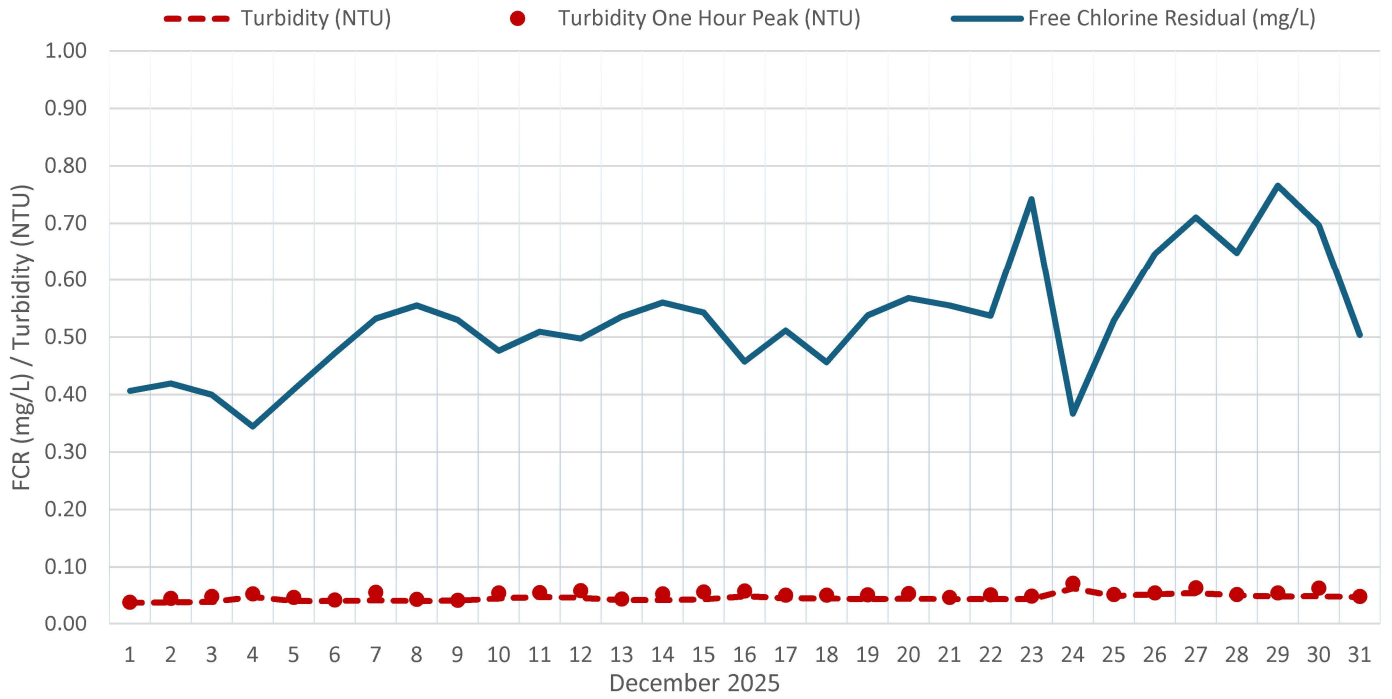
## Upper Boucherie Reservoir Online Data



# 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)
<b>Dec 2025</b>						
1	0.04	0.04	0.38	0.43	0.41	12.15
2	0.04	0.05	0.25	0.48	0.42	11.88
3	0.04	0.05	0.35	0.56	0.40	11.85
4	0.05	0.05	0.27	0.43	0.34	11.65
5	0.04	0.05	0.34	0.56	0.41	11.52
6	0.04	0.04	0.43	0.51	0.47	11.57
7	0.04	0.06	0.41	0.62	0.53	11.28
8	0.04	0.04	0.42	0.64	0.56	11.32
9	0.04	0.04	0.44	0.60	0.53	11.38
10	0.05	0.06	0.39	0.57	0.48	11.14
11	0.05	0.06	0.42	0.61	0.51	11.27
12	0.05	0.06	0.38	0.61	0.50	11.01
13	0.04	0.04	0.46	0.62	0.54	11.17
14	0.04	0.05	0.31	0.67	0.56	10.94
15	0.04	0.06	0.30	0.65	0.54	11.19
16	0.05	0.06	0.28	0.64	0.46	11.51
17	0.05	0.05	0.36	0.66	0.51	11.39
18	0.05	0.05	0.37	0.52	0.46	11.60
19	0.04	0.05	0.37	0.65	0.54	10.92
20	0.04	0.05	0.36	0.66	0.57	10.60
21	0.04	0.05	0.45	0.65	0.56	10.67
22	0.04	0.05	0.35	0.62	0.54	10.37
23	0.04	0.05	0.40		0.74	10.22
24	0.06	0.07	0.18	1.31	0.37	10.01
25	0.05	0.05	0.43	0.64	0.53	10.36
26	0.05	0.05	0.38	0.79	0.65	10.08
27	0.05	0.06	0.45	0.77	0.71	9.96
28	0.05	0.05	0.58	0.72	0.65	9.90
29	0.05	0.05	0.45	0.94	0.77	9.72
30	0.05	0.06	0.41	0.87	0.70	9.60
31	0.05	0.05	0.45	0.53	0.50	9.70
<b>Average</b>	0.05		0.38	1.09	0.53	10.90
<b>Min</b>	0.04		0.18	0.43	0.34	9.60
<b>Max</b>	0.06	0.07	0.58	1.31	0.77	12.15

### Lakeview Cove PS Online Data



# WQ Field Data

## Thacker SS

Thacker SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
02-Dec-25	0.10	11.1	0.49	7.71
09-Dec-25	0.11	10.1	0.64	7.76
16-Dec-25	0.16	9.8	0.57	7.85
23-Dec-25	0.10	9.5	0.54	7.79
30-Dec-25	0.12	8.3	0.57	7.69
# of Samples	5	5	5	5
Average	0.12	9.8	0.56	7.76
Range	0.10-0.16	8.3-11.1	0.49-0.64	7.69-7.85

2025 Thacker SS Water Quality Annual Stats				
Stats	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
# of Samples	67	67	67	57
Average	0.17	11.1	0.55	7.48
Range	0.08-0.61	4.9-22.3	0.35-0.96	6.71-7.89

## Shannon Way SS

Shannon Way SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
02-Dec-25	0.11	11.4	0.6	7.71
09-Dec-25	0.19	10.6	0.77	7.78
16-Dec-25	0.09	9.8	0.65	8
23-Dec-25	0.1	9.6	0.53	7.88
30-Dec-25	0.12	8.5	0.65	7.86
# of Samples	5	5	5	5
Average	0.122	9.98	0.64	7.846
Range	0.09-0.19	8.5-11.4	0.53-0.77	7.71-8

2025 Shannon Way SS Water Quality Annual Stats				
Stats	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
# of Samples	53	53	52	45
Average	0.14	11.0	0.49	7.51
Range	0.07-0.59	3.9-22.4	0.26-0.79	7.11-8.00

## Lower Horizon SS

Lower Horizon SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
02-Dec-25	0.08	10.2	0.58	7.7
09-Dec-25	0.12	9	0.68	7.6
16-Dec-25	0.15	9.3	0.62	7.74
23-Dec-25	0.12	8.6	0.52	7.81
30-Dec-25	0.11	7.7	0.65	7.9
# of Samples	5	5	5	5
Average	0.12	9.0	0.61	7.75
Range	0.08-0.15	7.7-10.2	0.52-0.68	7.6-7.9

2025 Lower Horizon SS Water Quality Annual Stats				
Stats	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
Total # of Samples	64	63	64	54
Average	0.16	10.7	0.49	7.43
Range	0.06-0.61	4.3-21.8	0.26-0.78	6.64-7.92

## Pritchard SS

Pritchard SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
02-Dec-25	0.09	12.3	0.13	7.69
09-Dec-25	0.25	11.7	0.22	7.68
16-Dec-25	0.14	11.2	0.22	8.04
23-Dec-25	0.11	10.5	0.17	7.99
30-Dec-25	0.12	9.2	0.23	7.84
# of Samples	5	5	5	5
Average	0.14	11.0	0.19	7.85
Range	0.09-0.25	9.2-12.3	0.13-0.23	7.68-8.04

2025 Pritchard SS Water Quality Annual Stats				
Stats	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
Total # of Samples	73	73	72	60
Average	0.16	11.8	0.37	7.48
Range	0.08-0.5	1.4-22.8	0.08-0.79	6.79-8.04

## Vineyard View SS

Vineyard View SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
02-Dec-25	0.11	10.9	0.44	7.90
16-Dec-25	0.25	9.6	0.89	7.88
23-Dec-25	0.13	9.5	0.90	7.99
30-Dec-25	0.13	8.0	1.25	7.79
# of Samples	4	4	4	4
Average	0.16	9.5	0.87	7.89
Range	0.11-0.25	8.0-10.9	0.44-1.25	7.79-7.99

Vineyard View SS Water Quality				
Stats	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
Total # of Samples	50	50	50	47
Average	0.17	11.8	0.43	7.49
Range	0.06-0.41	4.6-23.4	0.12-1.53	6.71-7.99

# 2025 Disinfection Byproduct and Manganese Summary

## 2025 Rose Valley Distribution System – Annual THM Stats (mg/L) MAC=0.10mg/L

Date	Rosewood PS	Thacker SS	Shannon Way SS	Menu Rd PS	Pritchard SS	Vineyard View SS	Lower Horizon SS	Blackwood PS
# of Samples	6	4	4	6	4	4	4	6
Average	0.0773	0.0555	0.0644	0.0851	0.0709	0.0653	0.0551	0.0998
Min	0.0369	0.0445	0.0459	0.0411	0.0508	0.0505	0.0461	0.0448
Max	0.2360	0.0740	0.0820	0.2460	0.0965	0.0946	0.0748	0.2670

## 2025 Rose Valley Distribution System – Annual HAA5 Stats (mg/L) MAC=0.08mg/L

Date	Rosewood PS	Thacker SS	Shannon Way SS	Menu Rd PS	Pritchard SS	Vineyard View SS	Lower Horizon SS	Blackwood PS
# of Samples	6	4	4	6	4	4	4	6
Average	0.0415	0.0364	0.0380	0.0435	0.0343	0.0350	0.0415	0.0479
Min	0.0262	0.0339	0.0349	0.0298	0.0256	0.0273	0.0365	0.0316
Max	0.0919	0.0375	0.0417	0.0865	0.0424	0.0403	0.0462	0.0963

## Manganese

### 2025 Rose Valley Distribution System – Annual Manganese Stats (mg/L) MAC=0.12mg/L

Location	# of Samples	Average	Min	Max
Rosewood PS	6	0.0062	0.0002	0.0187
Thacker SS	4	0.0037	0.0004	0.0110
Shannon Way SS	5	0.0032	0.0005	0.0102
Utility Yard	2	0.0037	0.0004	0.0070
Menu PS	6	0.0039	0.0002	0.0110
Pritchard SS	4	0.0028	0.0004	0.0067
Vineyard View SS	4	0.0028	0.0005	0.0066
Blackwood PS	6	0.0051	0.0006	0.0168
Lower Horizon SS	4	0.0037	0.0006	0.0108
Mission Hill SS	2	0.0049	0.0013	0.0084
Upper Horizon SS	1	0.0009	0.0009	0.0009