CITY OF WEST KELOWNA

Monthly Water Quality Report

Rose Valley Water Service Area

February 2026

WATER SUPPLY AND TREATMENT

CITY OF
WEST
KELOWNA

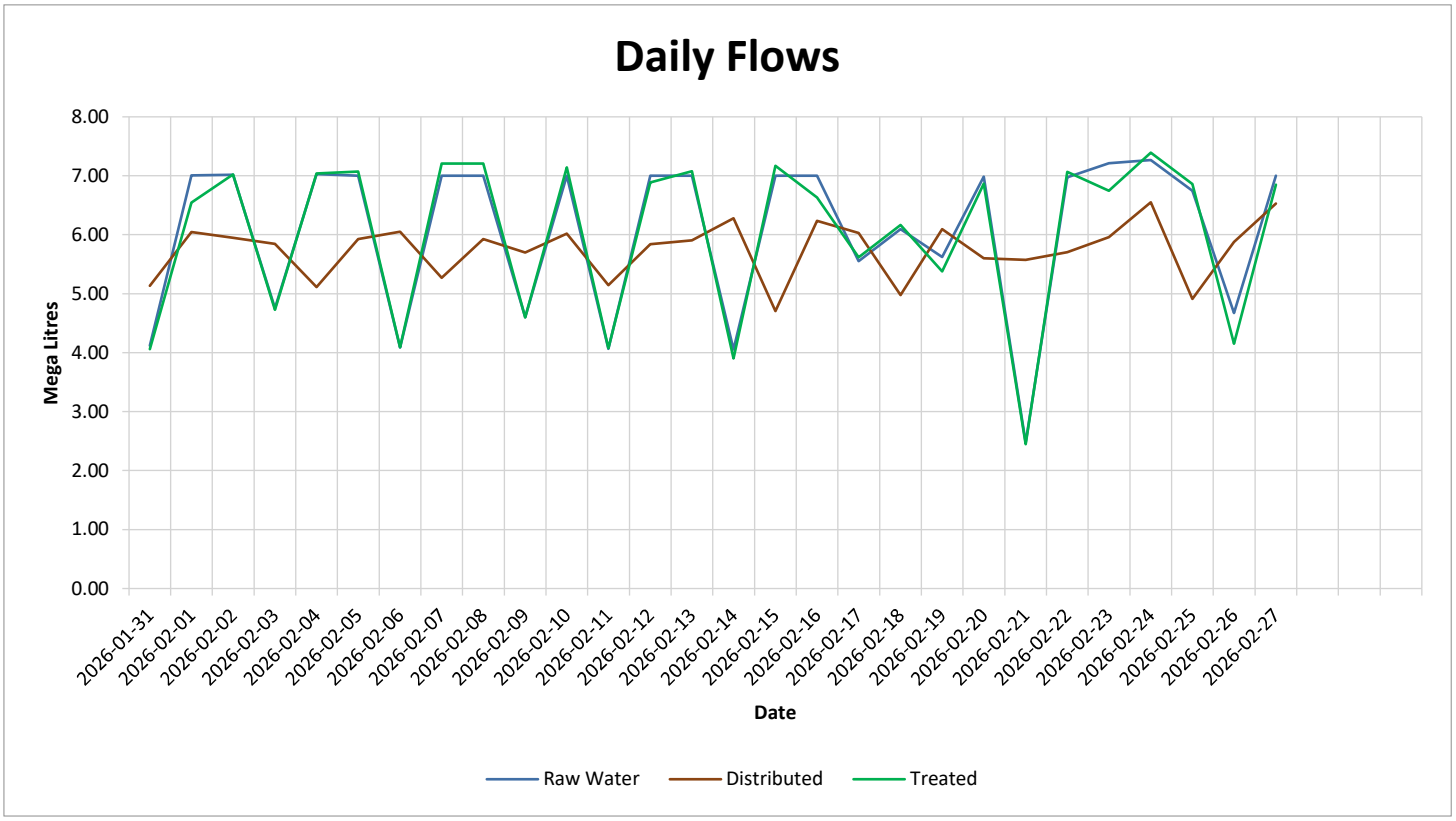
Rose Valley
Water Treatment Plant Monthly
Water Quality Summary

2026-03-05

February, 2026

Flow Demand:

	Total for Month	
Raw Processed Water:	169.34	ML
Treated Water :	167.98	ML
Distributed Water :	160.89	ML
Backwash Water :	4.617423	ML



Notes:

Raw Water Specifications:

	Raw Turbidity (NTU)			Raw pH		
Date	Min	Max	Average	Min	Max	Average
2026-02-01	0.52	0.87	0.58	7.75	7.76	7.75
2026-02-02	0.51	5.86	0.58	7.74	7.76	7.75
2026-02-03	0.60	0.98	0.74	7.73	7.78	7.74
2026-02-04	0.62	1.90	1.10	7.57	7.81	7.72
2026-02-05	0.42	1.53	0.74	7.56	7.85	7.78
2026-02-06	0.10	0.85	0.64	7.70	7.83	7.79
2026-02-07	0.78	1.31	1.05	7.64	7.75	7.69
2026-02-08	0.75	1.10	0.91	7.75	7.83	7.80
2026-02-09	0.41	1.01	0.66	7.81	7.84	7.83
2026-02-10	0.45	0.81	0.54	7.81	7.86	7.84
2026-02-11	0.63	0.92	0.74	7.79	7.85	7.83
2026-02-12	0.55	1.01	0.70	7.81	7.91	7.87
2026-02-13	0.69	0.98	0.81	7.81	7.88	7.85
2026-02-14	0.58	9.23	0.80	7.88	7.91	7.88
2026-02-15	0.71	23.58	0.80	7.90	7.92	7.91
2026-02-16	0.81	10.40	0.94	7.91	7.96	7.93
2026-02-17	0.50	1.14	0.79	7.93	7.97	7.95
2026-02-18	0.61	0.99	0.75	7.90	7.96	7.93
2026-02-19	0.32	1.12	0.66	7.81	8.02	7.96
2026-02-20	0.31	1.01	0.46	7.94	8.02	7.97
2026-02-21	0.39	0.99	0.65	7.92	7.96	7.94
2026-02-22	0.54	1.53	0.75	7.91	7.93	7.92
2026-02-23	0.43	14.80	0.56	7.90	7.94	7.91
2026-02-24	0.48	0.99	0.65	7.89	8.00	7.94
2026-02-25	0.32	1.03	0.51	7.96	7.98	7.97
2026-02-26	0.50	0.94	0.63	7.91	8.01	7.95
2026-02-27	0.01	0.94	0.56	7.96	8.05	8.02
2026-02-28	0.50	0.92	0.65	8.05	8.12	8.07

Notes:

Raw Water Specifications (Continued):

	Raw Temp (˚C)			Raw DOC (mg/L)		
Date	Min	Max	Average	Min	Max	Average
2026-02-01	4.20	4.35	4.25	13.87	14.80	14.41
2026-02-02	4.20	4.35	4.27	14.16	14.60	14.38
2026-02-03	4.21	4.64	4.32	14.11	17.73	14.37
2026-02-04	4.24	4.79	4.46	13.87	16.07	14.29
2026-02-05	4.33	4.94	4.45	13.48	15.09	14.09
2026-02-06	4.37	4.80	4.52	13.77	14.31	14.06
2026-02-07	4.41	4.63	4.53	13.68	14.85	14.10
2026-02-08	4.46	4.73	4.54	13.72	14.31	14.07
2026-02-09	4.30	4.91	4.46	13.87	14.31	14.05
2026-02-10	4.25	4.57	4.36	13.72	14.36	14.05
2026-02-11	4.32	4.85	4.54	12.50	14.31	14.03
2026-02-12	4.29	4.99	4.44	13.77	14.51	14.03
2026-02-13	4.23	4.53	4.38	13.72	15.82	14.02
2026-02-14	4.28	4.79	4.46	13.72	14.26	14.00
2026-02-15	4.39	4.60	4.47	13.09	15.09	13.99
2026-02-16	4.47	5.31	4.99	13.63	14.70	13.97
2026-02-17	4.08	12.67	4.47	12.80	14.46	13.96
2026-02-18	4.08	4.51	4.20	13.04	116.34	13.98
2026-02-19	3.55	4.59	3.98	13.68	15.92	13.95
2026-02-20	3.56	3.97	3.81	12.50	15.97	13.94
2026-02-21	3.86	4.55	4.15	12.55	14.95	13.91
2026-02-22	4.01	4.41	4.09	13.19	14.80	13.89
2026-02-23	4.02	4.28	4.09	7.37	116.24	13.99
2026-02-24	4.11	5.17	4.18	13.24	15.58	14.05
2026-02-25	4.16	4.73	4.39	13.38	14.75	14.03
2026-02-26	4.14	4.53	4.27	13.72	14.51	14.04
2026-02-27	4.15	4.27	4.19	13.68	14.60	14.07
2026-02-28	4.12	4.40	4.21	13.87	14.36	14.03

Notes:

Raw Water Specifications (Continued):

	Raw Cond R (µS/cm)			Streaming Current		
Date	Min	Max	Average	Min	Max	Average
2026-02-01	193.72	196.92	195.50	8.18	44.81	21.54
2026-02-02	194.01	196.78	195.46	-31.62	46.76	35.26
2026-02-03	193.54	196.74	195.22	-296.83	137.12	-84.29
2026-02-04	193.79	197.26	195.52	-9.16	13.80	1.59
2026-02-05	193.85	197.28	195.68	-242.86	23.81	7.93
2026-02-06	193.46	197.47	195.41	-288.03	172.53	-114.47
2026-02-07	194.87	198.14	196.54	-9.16	4.52	-2.29
2026-02-08	194.76	197.57	196.27	-14.04	9.40	-6.10
2026-02-09	194.20	198.11	196.35	-289.26	171.79	-89.37
2026-02-10	195.27	198.02	196.68	-53.85	27.96	9.93
2026-02-11	194.62	198.10	196.48	-290.96	178.39	-114.46
2026-02-12	195.32	198.70	197.13	-18.44	33.58	2.85
2026-02-13	196.19	200.01	198.35	11.36	37.00	28.40
2026-02-14	196.48	200.05	198.32	-295.85	173.75	-109.39
2026-02-15	196.73	199.62	198.28	-0.85	13.55	7.56
2026-02-16	196.58	202.66	199.87	-3.30	27.96	14.78
2026-02-17	198.89	203.47	200.80	-290.23	48.47	-58.20
2026-02-18	198.10	201.66	199.71	-268.74	87.06	-29.94
2026-02-19	197.30	203.06	200.14	-278.27	114.90	-44.13
2026-02-20	199.11	203.36	201.04	-29.67	11.11	-3.31
2026-02-21	197.86	202.42	200.06	-277.78	184.00	-174.15
2026-02-22	198.60	201.89	200.16	-31.62	-0.12	-11.73
2026-02-23	198.07	201.23	199.69	-16.97	16.73	3.91
2026-02-24	197.70	200.90	199.33	-69.96	20.15	4.46
2026-02-25	192.16	200.66	198.73	-261.42	30.65	-9.87
2026-02-26	196.49	200.74	198.53	-276.56	163.98	-86.96
2026-02-27	197.19	200.52	198.86	-82.66	29.18	5.73
2026-02-28	195.86	199.72	198.12	-12.33	13.06	4.99

Notes:

Raw Water Specifications (Continued):

	Coagulated pH			Coagulated Temp (˚C)		
Date	Min	Max	Average	Min	Max	Average
2026-02-01	7.61	7.63	7.62	3.74	4.54	3.81
2026-02-02	7.61	7.62	7.61	3.76	4.04	3.95
2026-02-03	7.51	7.76	7.63	3.74	4.68	3.92
2026-02-04	7.50	7.60	7.55	3.75	5.57	3.88
2026-02-05	7.50	7.69	7.62	3.83	4.70	4.02
2026-02-06	7.53	7.87	7.69	3.88	4.85	4.12
2026-02-07	7.56	7.63	7.59	3.95	4.07	4.00
2026-02-08	7.63	7.69	7.66	3.87	4.70	3.94
2026-02-09	7.57	7.84	7.68	3.72	5.22	4.11
2026-02-10	7.52	7.62	7.58	3.72	4.46	3.87
2026-02-11	7.60	7.88	7.71	3.82	4.94	4.09
2026-02-12	7.64	7.70	7.67	3.82	4.72	3.92
2026-02-13	7.52	7.69	7.61	3.75	4.33	4.02
2026-02-14	7.61	7.90	7.73	3.77	4.92	4.07
2026-02-15	7.67	7.74	7.70	3.88	4.27	3.98
2026-02-16	7.73	7.77	7.75	4.10	4.90	4.23
2026-02-17	7.60	7.94	7.76	3.75	12.49	4.04
2026-02-18	7.51	7.91	7.67	3.72	4.72	3.98
2026-02-19	7.57	7.96	7.69	3.22	4.51	3.73
2026-02-20	7.63	7.74	7.66	3.25	3.96	3.55
2026-02-21	7.64	7.98	7.83	3.57	4.84	4.09
2026-02-22	7.66	7.72	7.70	3.74	4.04	3.97
2026-02-23	7.53	7.72	7.65	3.75	4.76	4.00
2026-02-24	7.58	7.70	7.64	3.79	4.25	3.96
2026-02-25	7.52	7.92	7.62	3.75	4.02	3.85
2026-02-26	7.57	7.90	7.71	3.87	4.76	4.07
2026-02-27	7.55	7.71	7.64	3.77	4.57	3.93
2026-02-28	7.58	7.72	7.64	3.75	4.14	3.84

Notes:

Raw Water Specifications (Continued):

	Raw Cond Y (µS/cm)			Raw Water DO (mg/L)		
Date	Min	Max	Average	Min	Max	Average
2026-02-01	115.73	115.98	115.87	10.84	10.91	10.87
2026-02-02	19.85	116.49	115.77	10.82	11.48	10.90
2026-02-03	115.34	117.19	116.12	10.71	11.09	10.82
2026-02-04	2.97	119.60	116.39	9.14	12.54	10.87
2026-02-05	115.57	119.65	116.79	9.15	11.70	11.17
2026-02-06	115.74	118.45	116.74	10.62	11.57	11.28
2026-02-07	117.40	119.66	118.42	10.12	11.07	10.62
2026-02-08	116.21	117.43	116.68	11.10	11.64	11.44
2026-02-09	7.78	117.68	116.29	11.51	11.77	11.63
2026-02-10	3.59	116.48	115.81	11.58	11.90	11.71
2026-02-11	115.82	117.12	116.33	11.42	11.76	11.66
2026-02-12	11.88	116.56	115.41	11.56	12.23	11.97
2026-02-13	22.58	116.26	115.67	11.55	12.02	11.87
2026-02-14	115.54	116.91	115.94	11.93	12.16	12.03
2026-02-15	115.40	115.66	115.51	12.16	12.20	12.19
2026-02-16	114.86	115.64	115.42	12.17	12.44	12.24
2026-02-17	4.73	116.62	115.19	12.25	12.42	12.34
2026-02-18	115.24	116.32	115.62	12.14	12.50	12.35
2026-02-19	113.41	116.52	114.82	12.40	12.91	12.58
2026-02-20	113.39	114.72	114.18	12.47	12.90	12.59
2026-02-21	114.63	116.83	115.61	12.11	12.58	12.43
2026-02-22	114.95	115.25	115.13	12.15	12.33	12.30
2026-02-23	18.78	115.66	115.23	12.14	12.27	12.24
2026-02-24	5.43	116.16	115.54	12.19	12.30	12.25
2026-02-25	50.76	117.08	116.26	12.33	12.40	12.37
2026-02-26	116.59	118.76	117.16	12.11	12.98	12.39
2026-02-27	5.77	118.48	117.19	12.89	13.02	12.94
2026-02-28	116.54	117.46	116.86	13.03	13.33	13.13

Notes:

Raw Water Specifications (Continued):

	Raw Manganese (ppm)		
Date	Min	Max	Average
2026-02-01	???	???	0.41
2026-02-02	???	???	0.41
2026-02-03	???	???	0.41
2026-02-04	???	???	0.41
2026-02-05	???	???	0.41
2026-02-06	???	???	0.41
2026-02-07	???	???	0.41
2026-02-08	???	???	0.41
2026-02-09	???	???	0.41
2026-02-10	???	???	0.41
2026-02-11	???	???	0.41
2026-02-12	???	???	0.41
2026-02-13	???	???	0.41
2026-02-14	???	???	0.41
2026-02-15	???	???	0.41
2026-02-16	???	???	0.41
2026-02-17	???	???	0.41
2026-02-18	???	???	0.41
2026-02-19	???	???	0.41
2026-02-20	???	???	0.41
2026-02-21	???	???	0.41
2026-02-22	???	???	0.41
2026-02-23	???	???	0.41
2026-02-24	???	???	0.41
2026-02-25	???	???	0.41
2026-02-26	???	???	0.41
2026-02-27	???	???	0.41
2026-02-28	???	???	0.41

Notes:

Mn analyzer is offline for the season.

Train 1 Filter Turbidity (NTU):

	Filter 1			Filter 2			Filter 3		
Date	Min	Max	Average	Min	Max	Average	Min	Max	Average
2026-02-01	0.01	0.03	0.01	0.38	0.41	0.39	0.01	0.02	0.01
2026-02-02	0.01	0.03	0.01	0.39	0.44	0.40	0.01	0.02	0.01
2026-02-03	0.01	0.02	0.01	0.39	0.42	0.40	0.01	0.02	0.01
2026-02-04	0.01	0.02	0.01	0.39	0.45	0.40	0.01	0.01	0.01
2026-02-05	0.01	0.01	0.01	0.39	0.43	0.40	0.01	0.02	0.01
2026-02-06	0.01	0.08	0.03	0.39	0.42	0.41	0.01	0.02	0.01
2026-02-07	0.04	0.07	0.05	0.40	0.44	0.41	0.01	0.02	0.01
2026-02-08	0.03	0.11	0.04	0.40	0.43	0.42	0.01	0.05	0.02
2026-02-09	0.01	0.04	0.02	0.41	0.45	0.42	0.01	0.04	0.01
2026-02-10	0.01	0.10	0.02	0.41	0.44	0.42	0.01	0.03	0.01
2026-02-11	0.01	0.03	0.02	0.41	0.45	0.42	0.01	0.02	0.01
2026-02-12	0.01	0.03	0.02	0.41	3.21	0.43	0.01	0.02	0.01
2026-02-13	0.01	0.02	0.02	0.43	0.51	0.45	0.01	0.02	0.01
2026-02-14	0.01	0.03	0.01	0.44	0.51	0.45	0.02	0.04	0.03
2026-02-15	0.01	0.03	0.01	0.44	0.49	0.46	0.04	0.08	0.05
2026-02-16	0.01	0.04	0.01	0.45	0.48	0.46	0.07	0.13	0.10
2026-02-17	0.01	0.02	0.01	0.45	0.52	0.46	0.12	0.19	0.16
2026-02-18	0.01	0.02	0.01	0.45	0.50	0.46	0.12	0.13	0.12
2026-02-19	0.01	0.03	0.01	0.02	0.50	0.19	0.01	0.13	0.05
2026-02-20	0.01	0.02	0.01	0.03	0.12	0.05	0.01	0.02	0.01
2026-02-21	0.01	0.02	0.01	0.05	0.17	0.06	0.01	0.05	0.02
2026-02-22	0.01	0.01	0.01	0.06	0.08	0.06	0.01	0.02	0.01
2026-02-23	0.01	0.02	0.01	0.05	0.08	0.06	0.01	0.04	0.01
2026-02-24	0.01	0.01	0.01	0.05	0.08	0.06	0.01	0.02	0.01
2026-02-25	0.01	0.03	0.01	0.05	0.07	0.06	0.01	0.02	0.01
2026-02-26	0.01	0.03	0.01	0.05	0.07	0.06	0.01	0.04	0.02
2026-02-27	0.01	0.02	0.01	0.05	0.09	0.06	0.01	0.02	0.01
2026-02-28	0.01	0.04	0.01	0.06	0.09	0.06	0.01	0.02	0.01

Notes:

Filter 2 is offline for the season, NTU analyzer was flushed and cleaned and stored with DI water on Feb 19th. Confirmed that Filter 1 and 3 were both idle during Feb 8th and Feb 16-18.

Train 2 Filter Turbidity (NTU)

	Filter 4			Filter 5			Filter 6		
Date	Min	Max	Average	Min	Max	Average	Min	Max	Average
2026-02-01	0.01	0.02	0.01	0.13	0.18	0.14	0.01	0.10	0.02
2026-02-02	0.01	0.04	0.02	0.12	0.15	0.13	0.01	0.02	0.01
2026-02-03	0.01	0.19	0.08	0.12	0.18	0.13	0.01	0.02	0.01
2026-02-04	0.10	0.21	0.11	0.12	0.19	0.13	0.01	0.03	0.02
2026-02-05	0.08	0.13	0.10	0.12	0.21	0.13	0.01	0.16	0.07
2026-02-06	0.01	0.14	0.05	0.13	0.19	0.14	0.02	0.09	0.05
2026-02-07	0.01	0.04	0.02	0.12	0.21	0.13	0.01	0.03	0.02
2026-02-08	0.02	0.04	0.02	0.12	0.21	0.13	0.01	0.04	0.02
2026-02-09	0.01	0.06	0.02	0.11	0.20	0.12	0.02	0.11	0.04
2026-02-10	0.01	0.03	0.01	0.11	0.21	0.12	0.01	0.08	0.02
2026-02-11	0.01	0.12	0.01	0.11	0.15	0.11	0.01	0.04	0.02
2026-02-12	0.01	0.14	0.02	0.11	0.17	0.11	0.01	0.02	0.02
2026-02-13	0.01	0.02	0.02	0.11	0.16	0.12	0.01	0.05	0.02
2026-02-14	0.01	0.03	0.02	0.11	0.20	0.12	0.02	0.03	0.02
2026-02-15	0.01	0.02	0.01	0.11	0.14	0.12	0.02	0.02	0.02
2026-02-16	0.01	0.05	0.02	0.11	0.21	0.12	0.02	0.04	0.02
2026-02-17	0.02	0.02	0.02	0.11	0.20	0.12	0.01	0.04	0.02
2026-02-18	0.02	0.02	0.02	0.12	0.17	0.13	0.01	0.04	0.02
2026-02-19	0.02	0.04	0.02	0.11	0.14	0.12	0.01	0.04	0.02
2026-02-20	0.01	0.05	0.02	0.12	0.26	0.13	0.01	0.02	0.01
2026-02-21	0.01	0.05	0.01	0.12	0.18	0.15	0.01	0.03	0.01
2026-02-22	0.01	0.02	0.01	0.15	0.22	0.16	0.01	0.02	0.02
2026-02-23	0.01	0.03	0.01	0.15	0.44	0.16	0.01	0.04	0.02
2026-02-24	0.01	0.02	0.02	0.16	0.19	0.17	0.01	0.03	0.02
2026-02-25	0.01	0.02	0.02	0.17	0.24	0.18	0.02	0.03	0.02
2026-02-26	0.01	0.04	0.02	0.16	0.27	0.17	0.02	0.04	0.02
2026-02-27	0.01	0.03	0.02	0.16	0.23	0.17	0.02	0.06	0.02
2026-02-28	0.01	0.02	0.02	0.15	0.27	0.16	0.02	0.05	0.02

Notes:

Filter #5 is offline for the season.
Filter 4 was idle from Feb 3rd - Feb 6th & during FTW cycle NTU briefly got up to .12 & .14 on Feb 11-12 returning back to normal before FTW cycle complete.
Filter 6 during the FTW cycle had ntu past .1NTU but returned to normal before FTW cycle was complete.

UV Treatment:

Date	Average Flow (L/s)	Avg Validated Dose (mj/cm2)	Undosed Flow (ML)
2026-02-01	82.01	22.00	0.0000
2026-02-02	55.32	15.09	0.0000
2026-02-03	82.57	22.00	0.0004
2026-02-04	82.37	22.00	0.0000
2026-02-05	47.21	12.96	0.0000
2026-02-06	83.25	22.00	0.0004
2026-02-07	83.40	22.00	0.0000
2026-02-08	53.14	14.56	0.0000
2026-02-09	82.72	22.00	0.0003
2026-02-10	55.05	14.83	0.0000
2026-02-11	75.66	20.19	0.0000
2026-02-12	82.99	22.00	0.0000
2026-02-13	47.71	12.90	0.0000
2026-02-14	83.61	22.00	0.0004
2026-02-15	82.94	22.00	0.0000
2026-02-16	65.42	17.60	0.0000
2026-02-17	71.80	19.33	0.0003
2026-02-18	65.18	17.73	0.0002
2026-02-19	82.30	22.00	0.0003
2026-02-20	28.14	7.94	0.0000
2026-02-21	82.05	22.00	0.0004
2026-02-22	82.73	22.00	0.0000
2026-02-23	86.82	22.00	0.0000
2026-02-24	82.39	22.00	0.0000
2026-02-25	51.20	14.09	0.0000
2026-02-26	82.25	22.00	0.0003
2026-02-27	82.32	22.00	0.0000
2026-02-28	41.18	11.48	0.0000

Monthly Total (ML):	0.0029
% of monthly water that was not UV treated:	0.002%

Notes:

UV Transmittance %:

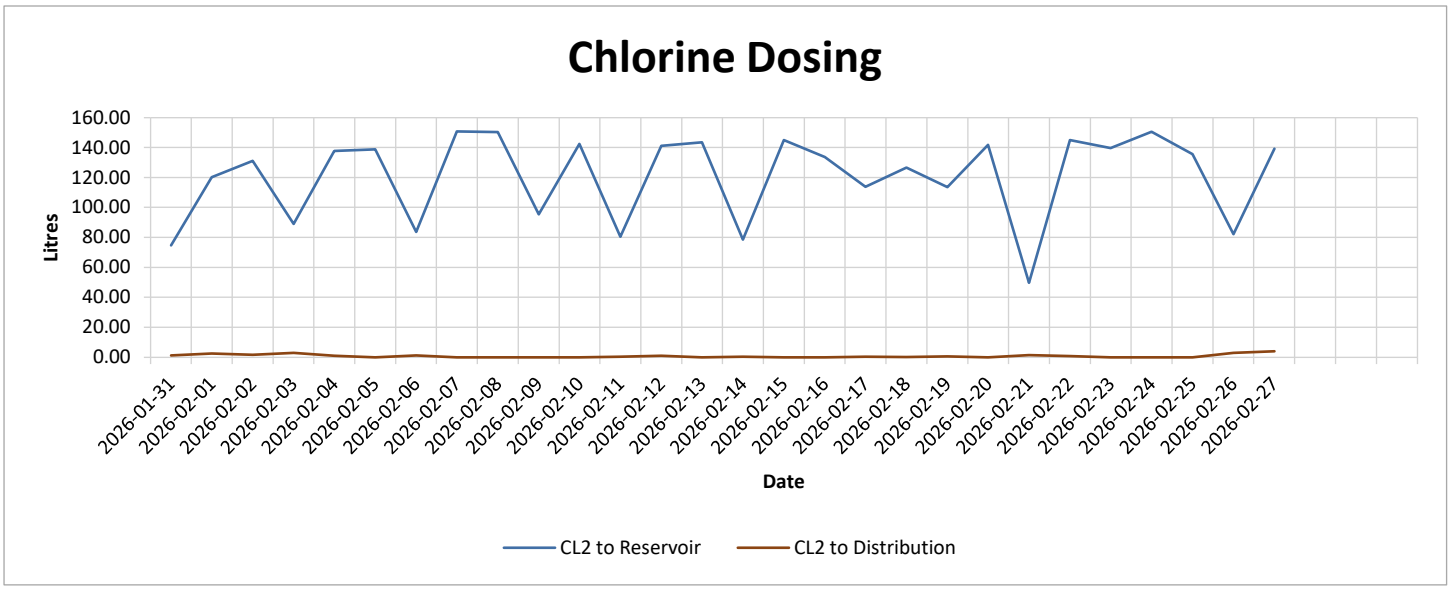
Date	Min	Max	Average
2026-02-01	87.84	89.23	88.57
2026-02-02	87.91	89.40	88.90
2026-02-03	87.84	88.99	88.36
2026-02-04	87.59	88.99	88.13
2026-02-05	87.64	88.94	88.30
2026-02-06	87.40	89.18	88.18
2026-02-07	87.59	88.91	88.10
2026-02-08	87.11	88.69	87.69
2026-02-09	87.16	88.62	87.88
2026-02-10	87.18	88.94	88.11
2026-02-11	87.16	88.38	87.99
2026-02-12	86.89	88.67	87.93
2026-02-13	88.03	89.18	88.62
2026-02-14	87.67	89.16	88.22
2026-02-15	87.42	88.55	88.08
2026-02-16	87.67	89.04	88.29
2026-02-17	87.40	89.11	88.36
2026-02-18	87.18	89.18	88.07
2026-02-19	87.64	89.06	88.28
2026-02-20	83.86	89.30	88.38
2026-02-21	85.59	90.84	88.21
2026-02-22	83.49	90.38	88.19
2026-02-23	85.67	90.01	88.56
2026-02-24	86.37	91.87	88.54
2026-02-25	84.86	89.96	88.27
2026-02-26	83.74	89.96	88.46
2026-02-27	85.30	90.26	88.44
2026-02-28	85.30	89.60	88.27

Notes:

Chemical Demand:

Chlorine Used:

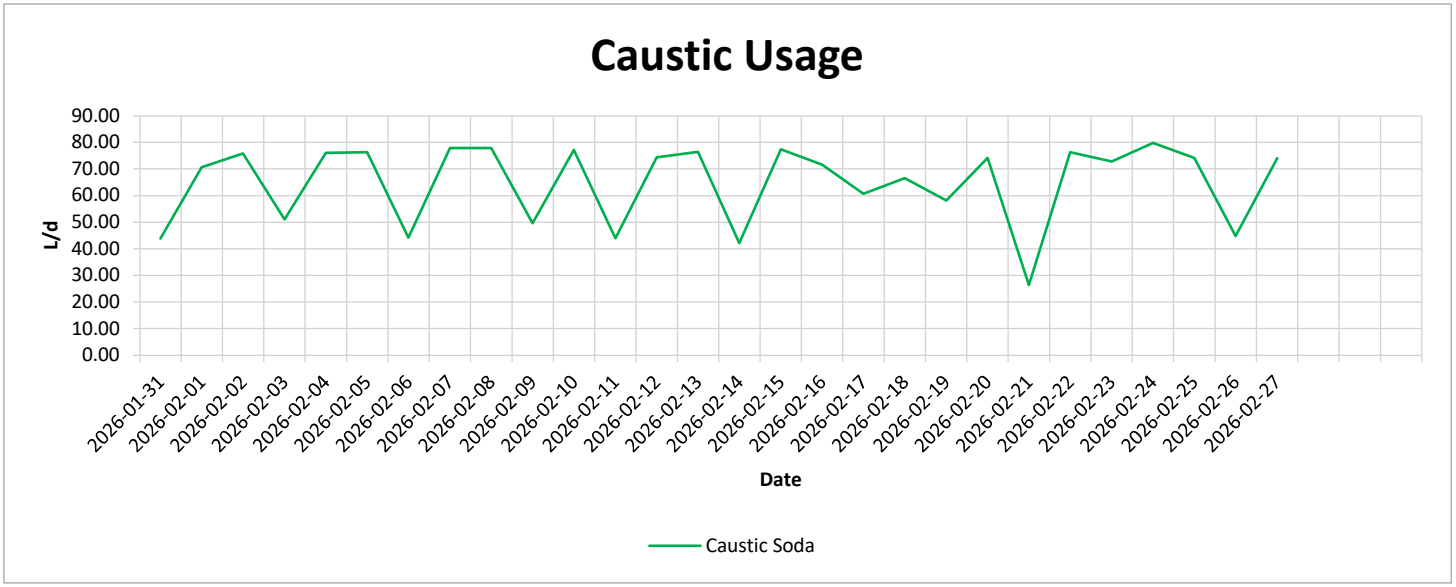
Total for Month
3394.96 Litres



Notes:

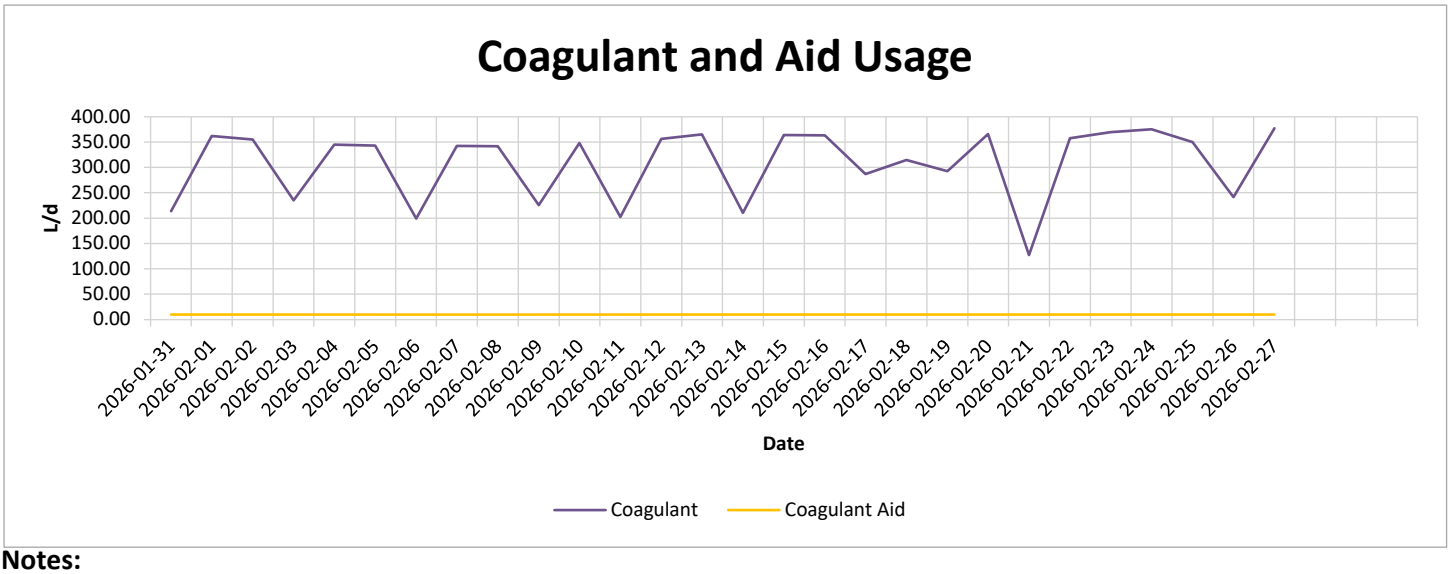
Casutic Soda Used:

Total for Month
1814.06 Litres



Notes:

	Total for Month	
Coagulant Used:	8633.35	Litres
Coagulant Aid Used:	269.22	Litres

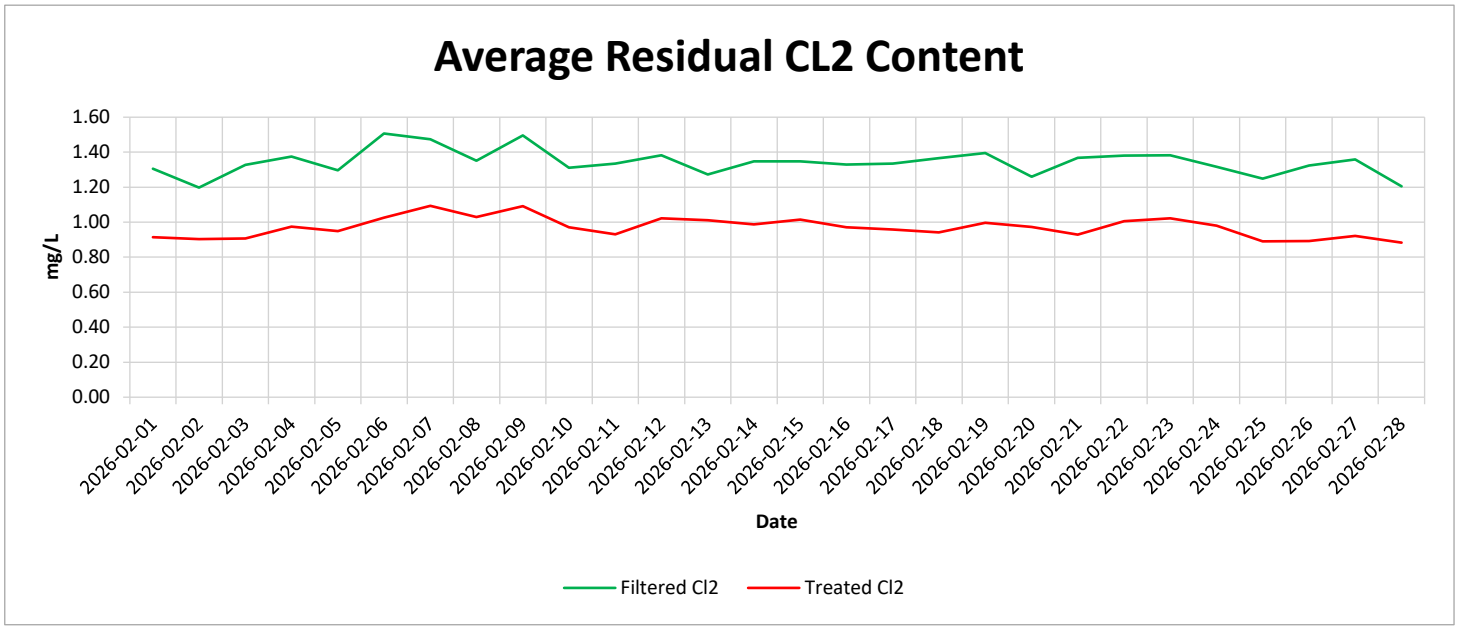


Notes:

	Total for Month	
Polymer @ .2% Concentration:	28626.51	Litres
	Total for Month	
Polymer @ .5% Concentration:	42364.05	Litres

Chlorine Dose

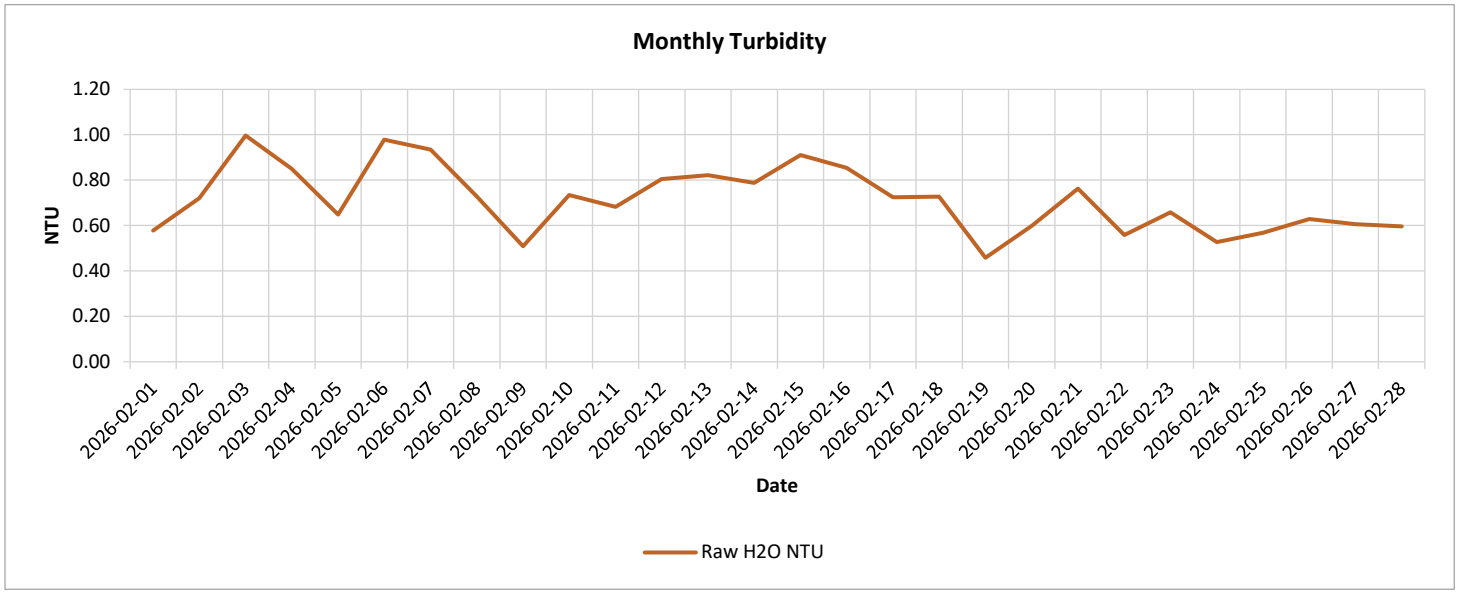
Filtered Water Residual Cl2 Average (mg/L):	1.34	mg/L
Treated Water (Distributed) Cl2 Average (mg/L):	0.97	mg/L



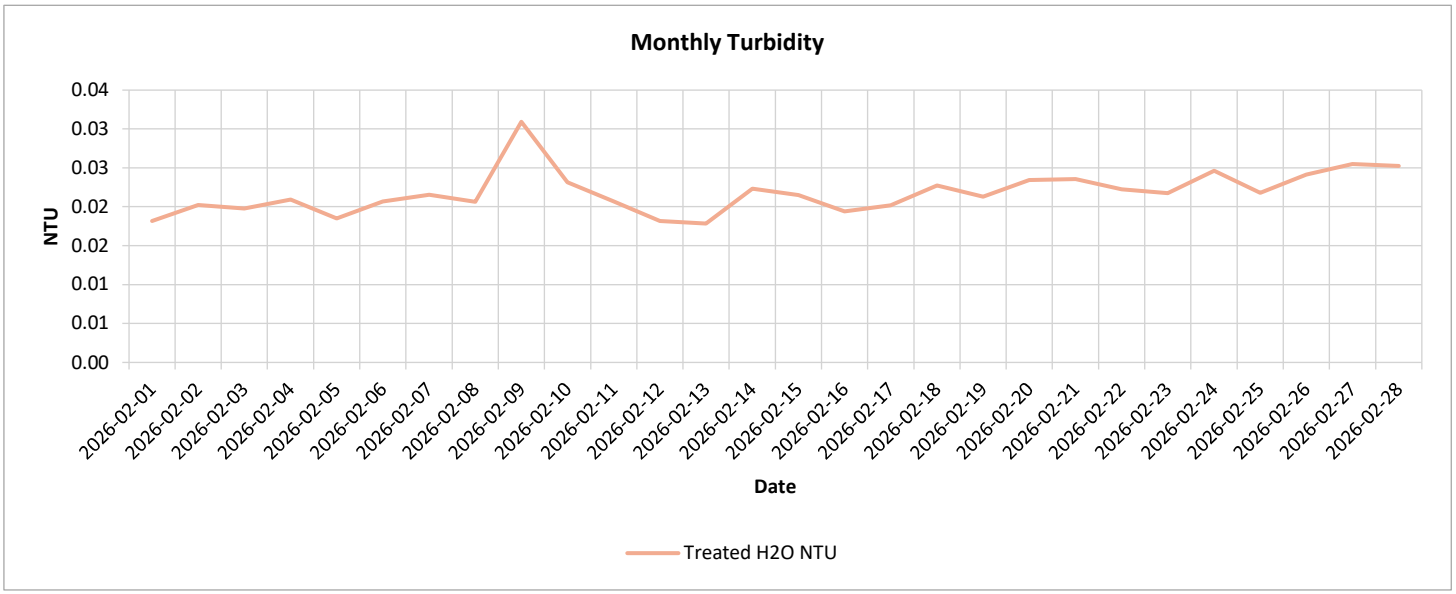
Water Quality Analytics:

Turbidity

Raw Water Monthly Average: 0.71 NTU



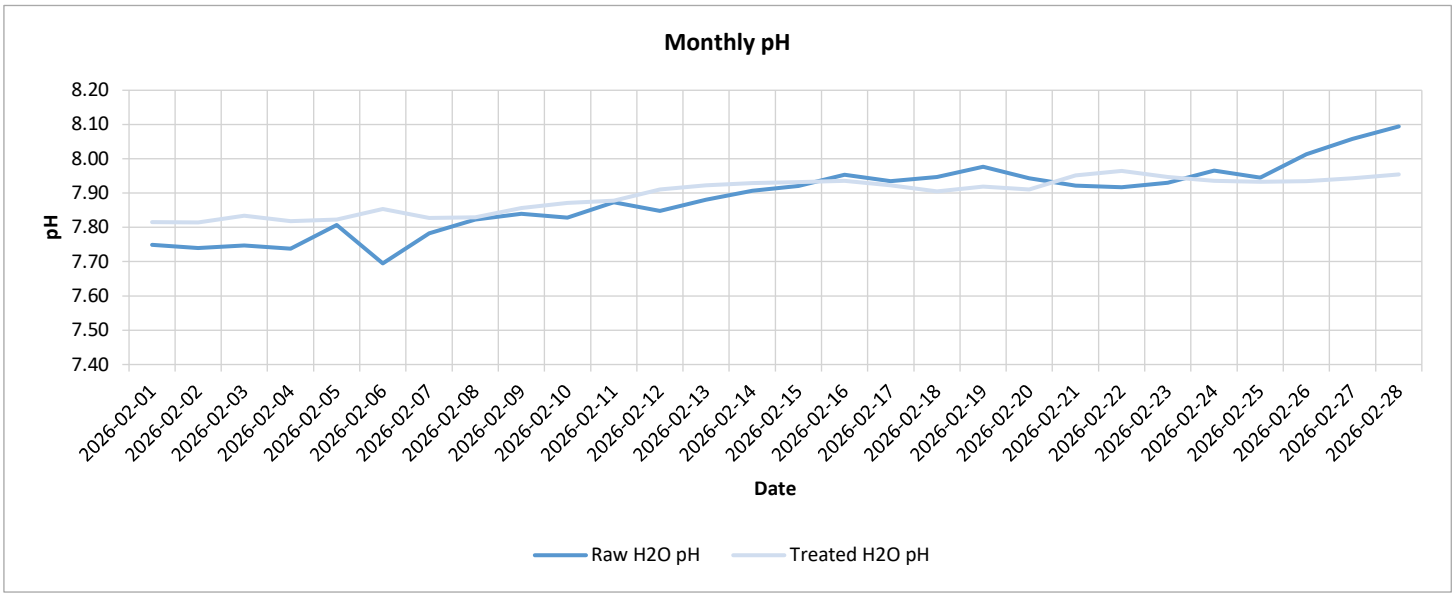
Treated Water Monthly Average: 0.02 NTU



Notes:

pH

Raw Water Monthly Average:	7.88	pH
Treated Water Monthly Average:	7.90	pH



Notes:

Rose Valley WTP Operational Highlights:

Feb 3rd - Inspected both Treated Reservoir's with ROV.

Feb 4th - Received load of 12% Sodium Hypochlorite

Feb 6th - Installed new y-strainer on poly make down system for Daf and Thickener. ROV inspection of clear well

Feb 10th - Replaced chlorine membranes on analyzers to the reservoir and to distribution.

Feb 11th - Wiseworth onsite performing compressor maintenance.

Feb 12th - Total Power onsite doing generator maintenance at RV Dam.

Feb 13th - Performed rake maintenance on Gravity Thickener.

Feb 19th - Installed ORP flow assembly, waiting probe installation and programming.

Feb 25th - Installed ORP probe & communication card. Programming coming later this week.

Feb 26th - Calibrated trim hypochlorite pumps after pump head was replaced on P757. Centrix onsite finishing up conduit install for BC Hydro power upgrade @ RV Dam.

Feb 27th - Programmed ORP to the raw water and historizing data moving forward.

Rose Valley Watershed Operational Highlights:

Rose Valley Watershed

-Site checks are completed weekly for BCI, Bighorn Reservoir. RV Dam is checked daily, and Esperon Reservoir is checked monthly.

-Feb 3rd Level at RV is 596.76m, ran generator. Treatment plant crew will be talking over generator checks for this site.

-Feb 9th Completed Piezometers

-Feb 19th RV level 596.6m

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

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Rose Valley Water Service Area - Distribution System Monitoring

February 2026

Water Quality Data Review

- Based on the Rose Valley Water Service Area (RVWSA) distribution system grab-sample data, it appears the turbidity, free-chlorine (FCR) and bacteriological results have met the Water Quality Objectives (WQO) during the month of February.
- February Bacteriological sampling summery:
    - 24 samples to CARO for analysis
    - 33 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*.
- February 5, 2026 – Upper Boucherie Reservoir online FCR analyser calibration adjustment:
    - Inlet 0.11mg/L decrease
    - Outlet 0.08mg/L decrease
- February 17, 2026 – Quarterly analysis was done on the system.
- February 23, 2026 - A decrease in the Blackwood Inlet FCR analyzer readings was observed. Troubleshooting determined on February 26 that the associated pH sensor had failed, resulting in inaccurate FCR measurements. The pH sensor was replaced and allowed time to stabilize, after which the FCR analyzer was calibrated the following day.

Operational System Improvements/Events

- February 3, 2026 – Blackwood PS and Rosewood Reservoir pressure to current transmitters were flushed and cleaned.
- February 5, 2026 – Lower Boucherie PS surge anticipator pilot (CRA) setpoint was reduced by 3psi to 39psi. This was done in effort to help the FCR reading for the online analyser in the station.
- February 11, 2026 – Lower Boucherie PS maintenance was completed on the re-chlorination pump and tubing. After putting back in service, the hypo strength was tested and set to 7.8% on the PLC.
- February 17-18, 2026 – Rosewood PS the EIT and contractor swapped out the PLC in station. This was done as a system upgrade for the SCADA Backbone upgrade project.
- February 19, 2026 – The check valve on Pump #1 at the Lower Boucherie Pump Station was discovered to have been bypassing re-chlorinated water back into the station's inlet manifold. This resulted in the elevated readings on the inlet FCR analyzer. Once the check valve was repaired, the inlet FCR values returned to the expected range for water prior to the re-chlorination point.
- February 19, 2026 – 2570 Bartley Rd curb stop replacement, building currently under a demolition permit.
- February 26, 2026 – Upper Boucherie Reservoir level setpoints were changed to encourage better turn over in the reservoir.

WQ Field and SCADA Data

Sampling Location Table:

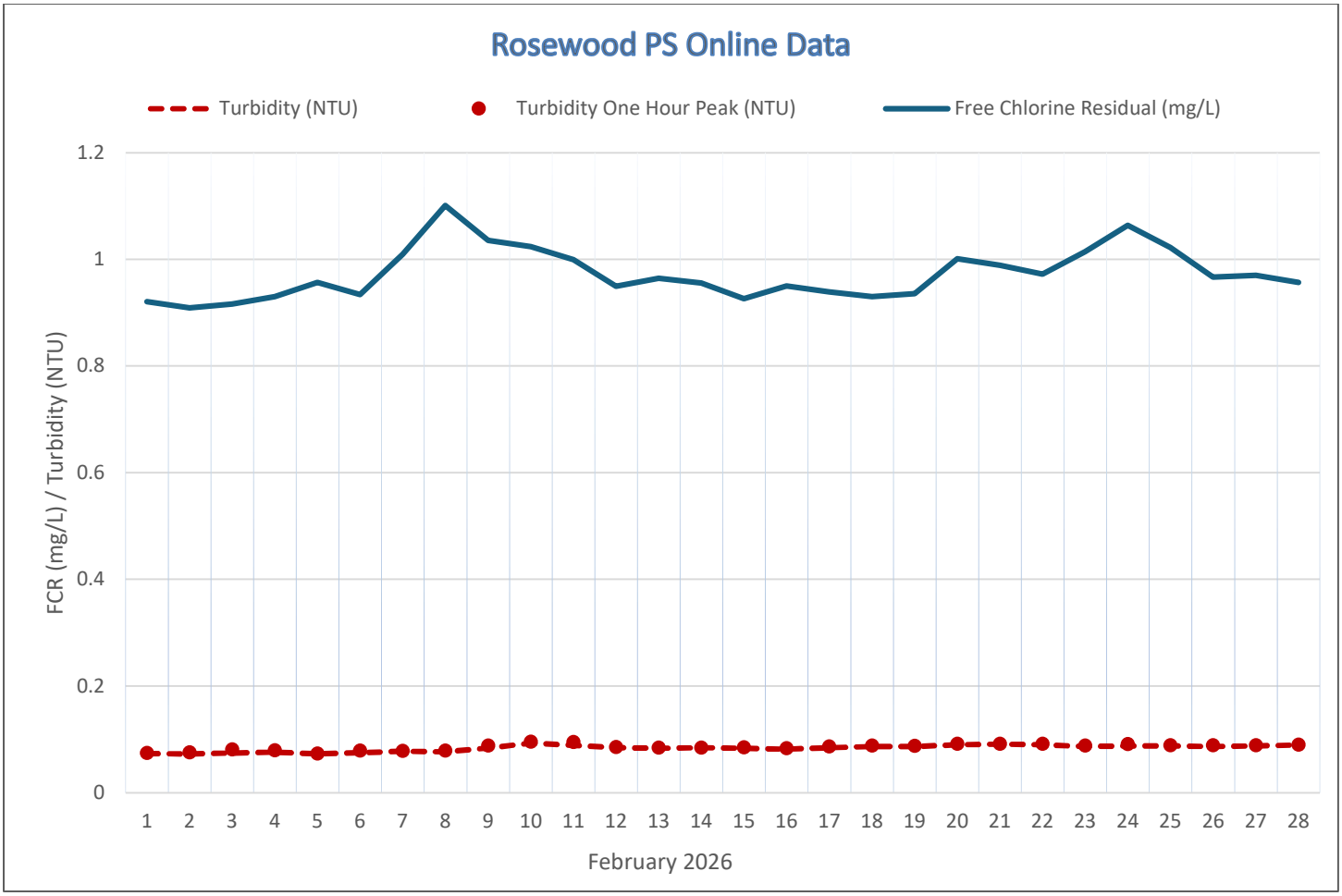
Sample Name	Civic Address	Pressure Zone	WQ Sampling Rationale
Rosewood PS	1463 Rosewood Dr	597	Installed new online water quality analyzer at Rosewood PS and changed grab sample location from **RV Trails** to this new location to coincide and best represent as the "First Customer Sample" entering the RVWSA distribution network.
Menu PS	Adjacent to 1181 Menu Dr	597	Mid system water quality check. Water quality entering the Mission Hill, Sunnyside, Pritchard and Green Bay areas from dedicated main from treatment plant.
Blackwood PS	1551 Blackwood Dr	584	Mid system water quality check. Water quality entering the West Kelowna Estates area.
Thacker SS	3111 Thacker Dr	539	End system water quality check.
Lower Boucherie PS & Res	Entry at end of road near 1359 Cabernet Way	627	Mid system water quality check. Water quality entering the Sunnyside area.
Upper Boucherie Res Outlet	Entry across from 1489 Cabernet Way	627	Mid system water quality check. Water quality entering the Sunnyside area.
Shannon Way SS	2240 Hihannah Dr	597	Mid system water quality check. Water quality for the Shannon Lake area.
Lower Horizon SS	2100 Horizon Dr	507	End system water quality check.
Pritchard SS	1599 Pritchard Dr	409	End system water quality check.
Vineyard View SS	Adjacent to 3284 Vineyard View Dr	588	Mid system water quality check. Location is after re-chlorination at the Upper Boucherie Reservoir. Replaced the **Viognier PRV** sample location.
Lakeview Cove PS	Adjacent to 3052 Lakeview Cove Rd	609	End system water quality check. Water quality distributed throughout Lakeview Heights area.

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

PS = Pump Station
SS= Sample Station
Res=Reservoir

Rosewood PS

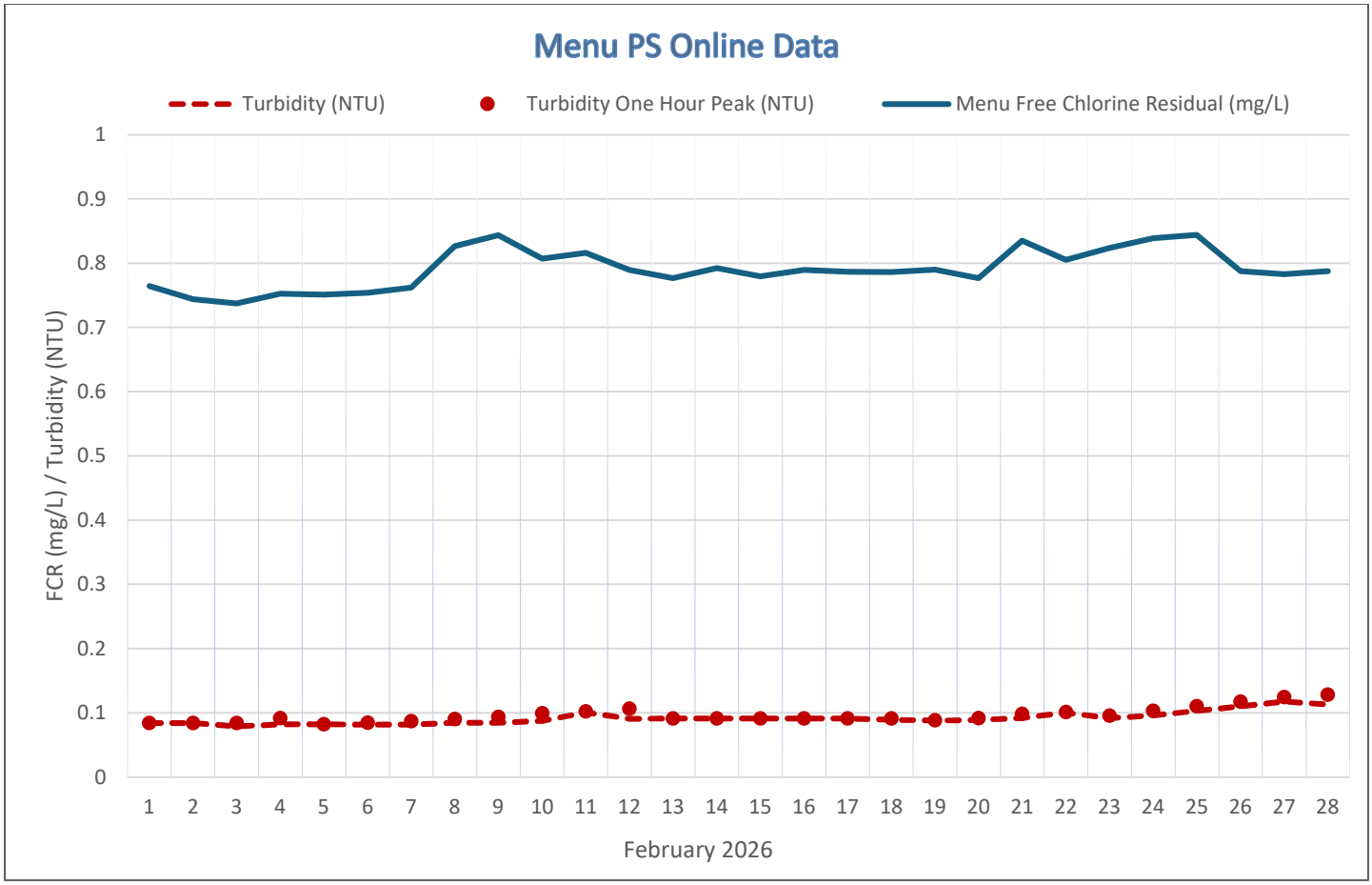
Rosewood PS Online Data								
Date	Turbidity	Turbidity (Peak 1 Hr)	FCR			Temp	pH	ORP
	Avg (NTU)	Max Based On 1 Hr Avg	Min (mg/L)	Max (mg/L)	Avg (mg/L)	Avg (°C)	Avg (pH)	Avg (mV)
Feb 2026								
1	0.07	0.07	0.84	1.02	0.92	5.29	7.68	738
2	0.07	0.08	0.85	0.96	0.91	5.31	7.67	732
3	0.07	0.08	0.87	1.02	0.92	5.37	7.68	730
4	0.08	0.08	0.85	1.01	0.93	5.48	7.68	727
5	0.07	0.07	0.91	1.00	0.96	5.60	7.66	720
6	0.07	0.08	0.89	1.07	0.93	5.67	7.67	726
7	0.08	0.08	0.90	1.11	1.01	5.66	7.70	725
8	0.08	0.08	1.07	1.13	1.10	5.59	7.68	707
9	0.08	0.09	0.99	1.09	1.04	5.48	7.69	706
10	0.09	0.10	1.00	1.05	1.02	5.43	7.72	714
11	0.09	0.09	0.95	1.13	1.00	5.40	7.73	721
12	0.08	0.09	0.89	1.01	0.95	5.37	7.74	724
13	0.08	0.08	0.92	1.01	0.96	5.38	7.76	725
14	0.08	0.08	0.89	1.00	0.96	5.45	7.78	727
15	0.08	0.08	0.87	0.98	0.93	5.39	7.79	730
16	0.08	0.08	0.90	0.99	0.95	5.34	7.78	734
17	0.08	0.09	0.90	0.97	0.94	5.46	7.79	732
18	0.09	0.09	0.89	0.98	0.93	5.52	7.80	734
19	0.09	0.09	0.89	0.98	0.94	5.40	7.80	735
20	0.09	0.09	0.95	1.05	1.00	5.16	7.81	740
21	0.09	0.09	0.92	1.04	0.99	5.19	7.81	744
22	0.09	0.09	0.88	1.03	0.97	5.27	7.83	744
23	0.09	0.09	0.96	1.07	1.01	5.29	7.83	745
24	0.09	0.09	0.99	1.12	1.06	5.26	7.82	746
25	0.09	0.09	0.97	1.08	1.02	5.30	7.81	748
26	0.09	0.09	0.92	1.11	0.97	5.50	7.82	747
27	0.09	0.09	0.86	1.06	0.97	5.66	7.83	747
28	0.09	0.09	0.90	1.00	0.96	5.63	7.84	745
Average	0.08		0.91	1.04	0.97	5.42	7.76	731.74
Min	0.07		0.84	0.96	0.91	5.16	7.66	706.38
Max	0.09	0.10	1.07	1.13	1.10	5.67	7.84	747.55



Rosewood PS Water Quality						
Date	Turbidity		Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
03-Feb-26	0.09	0.07	5.3	0.75	0.87	7.32
10-Feb-26	0.10	0.10	5.4	1.03	1.03	7.67
17-Feb-26	0.09	0.08	5.8	0.89	0.95	7.71
23-Feb-26	0.17	0.09	4.8	1.08	1.02	7.57
# of Samples	4	4	4	4	4	4
Average	0.11	0.08	5.3	0.94	0.97	7.57
Range	0.09-0.17	0.07-0.10	4.8-5.8	0.75-1.08	0.87-1.03	7.32-7.71

Menu PS

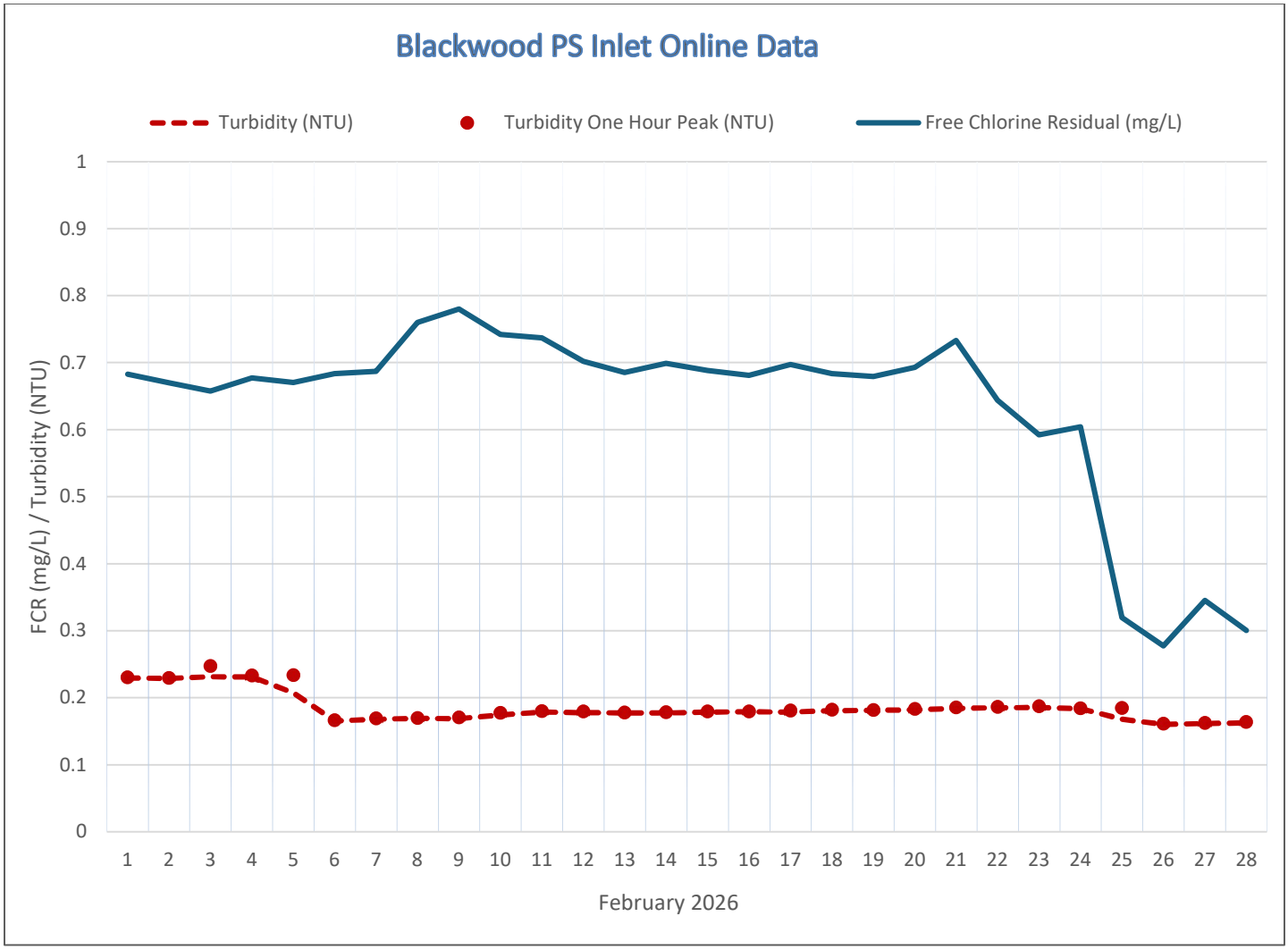
Menu PS Online Data									
Date	Combined Flow Total From RV	Turbidity	Turbidity (Peak 1 Hr)	Temp	pH	ORP	FCR		
	(m3)	Avg (NTU)	Max Based On 1 Hr Avg	Avg (°C)	Avg (pH)	Avg (mV)	Min (mg/L)	Max (mg/L)	Avg (mg/L)
Feb 2026									
1	1007	0.08	0.08	5.29	7.52	737	0.73	0.79	0.76
2	1133	0.08	0.08	5.30	7.51	735	0.71	0.79	0.74
3	1139	0.08	0.08	5.32	7.50	729	0.71	0.77	0.74
4	924	0.08	0.09	5.35	7.50	731	0.72	0.78	0.75
5	1163	0.08	0.08	5.37	7.51	722	0.73	0.78	0.75
6	1041	0.08	0.08	5.37	7.48	720	0.73	0.78	0.75
7	1234	0.08	0.09	5.37	7.50	729	0.73	0.79	0.76
8	1207	0.08	0.09	5.44	7.51	718	0.77	0.88	0.83
9	935	0.08	0.09	5.40	7.49	704	0.82	0.88	0.84
10	1150	0.09	0.10	5.40	7.51	711	0.78	0.84	0.81
11	1210	0.10	0.10	5.39	7.54	721	0.79	0.84	0.82
12	921	0.09	0.11	5.36	7.54	725	0.75	0.82	0.79
13	1268	0.09	0.09	5.35	7.56	726	0.75	0.81	0.78
14	1204	0.09	0.09	5.40	7.57	728	0.77	0.84	0.79
15	927	0.09	0.09	5.41	7.58	731	0.73	0.82	0.78
16	1206	0.09	0.09	5.37	7.59	734	0.77	0.82	0.79
17	1230	0.09	0.09	5.34	7.59	736	0.76	0.81	0.79
18	1224	0.09	0.09	5.30	7.60	734	0.76	0.82	0.79
19	1225	0.09	0.09	5.35	7.60	736	0.75	0.83	0.79
20	869	0.09	0.09	5.21	7.60	736	0.76	0.82	0.78
21	1134	0.09	0.10	5.15	7.61	743	0.81	0.86	0.83
22	1127	0.10	0.10	5.08	7.61	745	0.76	0.84	0.81
23	1210	0.09	0.10	5.06	7.63	745	0.79	0.87	0.82
24	1213	0.10	0.10	5.08	7.63	746	0.81	0.89	0.84
25	970	0.10	0.11	5.14	7.61	750	0.79	0.89	0.84
26	949	0.11	0.12	5.28	7.61	749	0.76	0.82	0.79
27	1470	0.12	0.12	5.32	7.61	750	0.75	0.84	0.78
28	921	0.11	0.13	5.33	7.62	747	0.74	0.83	0.79
Total	30203								
Average	1114.66	0.09		5.30	7.56	732.78	0.76	0.83	0.79
Min	869.50	0.08		5.06	7.48	703.82	0.71	0.77	0.74
Max	1469.80	0.12	0.13	5.44	7.63	749.96	0.82	0.89	0.84



Menu PS Water Quality						
Date	**Turbidity**		**Temp**	**FCR**		**pH**
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
03-Feb-26	0.10	0.08	5.4	0.74	0.73	7.63
10-Feb-26	0.14	0.09	5.3	0.83	0.79	7.7
17-Feb-26	0.11	0.08	5.3	0.80	0.79	7.79
23-Feb-26	0.15	0.09	5.2	0.88	0.83	7.58
# of Samples	4	4	4	4	4	4
Average	0.13	0.09	5.3	0.81	0.79	7.68
Range	0.10-0.15	0.08-0.09	5.2-5.4	0.74-0.88	0.73-0.83	7.58-7.79

Blackwood PS

Blackwood PS Inlet 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)
Feb 2026									
1	0.23	0.23	0.64	0.70	0.68	6.33	7.61	217.97	692.81
2	0.23	0.23	0.62	0.70	0.67	6.26	7.59	218.15	689.73
3	0.23	0.25	0.62	0.67	0.66	6.31	7.59	218.28	680.00
4	0.23	0.23	0.62	0.71	0.68	6.40	7.60	218.48	682.60
5	0.21	0.23	0.63	0.69	0.67	6.40	7.60	218.64	675.71
6	0.17	0.17	0.63	0.70	0.68	6.33	7.58	219.44	669.46
7	0.17	0.17	0.64	0.71	0.69	6.48	7.59	219.48	678.88
8	0.17	0.17	0.66	0.82	0.76	6.36	7.62	220.75	670.54
9	0.17	0.17	0.72	0.80	0.78	6.49	7.59	220.97	649.81
10	0.17	0.18	0.69	0.78	0.74	6.29	7.61	220.63	657.60
11	0.18	0.18	0.69	0.76	0.74	6.48	7.64	220.13	670.33
12	0.18	0.18	0.66	0.72	0.70	6.45	7.64	219.60	677.16
13	0.18	0.18	0.64	0.71	0.69	6.30	7.65	219.50	680.32
14	0.18	0.18	0.64	0.72	0.70	6.47	7.67	219.04	680.52
15	0.18	0.18	0.64	0.72	0.69	6.45	7.68	219.06	684.34
16	0.18	0.18	0.62	0.72	0.68	6.38	7.69	218.82	686.56
17	0.18	0.18	0.66	0.72	0.70	6.40	7.68	218.56	691.50
18	0.18	0.18	0.64	0.70	0.68	6.46	7.69	218.56	687.68
19	0.18	0.18	0.63	0.71	0.68	6.49	7.70	218.49	689.44
20	0.18	0.18	0.64	0.72	0.69	6.37	7.70	218.86	690.15
21	0.18	0.19	0.66	0.77	0.73	6.42	7.71	218.62	698.88
22	0.19	0.19	0.58	0.74	0.64	6.28	7.61	218.77	703.63
23	0.19	0.19	0.56	0.62	0.59	6.04	7.56	219.11	703.44
24	0.18	0.18	0.56	0.62	0.60	6.15	7.54	219.14	703.28
25	0.17	0.18	0.00	0.81	0.32	3.33	7.72	219.07	715.27
26	0.16	0.16	0.00	2.00	0.28	3.46	7.89	218.75	727.49
27	0.16	0.16	0.28	0.40	0.35	6.40	7.90	218.75	730.93
28	0.16	0.16	0.26	0.32	0.30	6.30	7.91	219.63	727.21
Average	0.18		0.57	0.74	0.63	6.15	7.66	219.12	689.12
Min	0.16		0.00	0.32	0.28	3.33	7.54	217.97	649.81
Max	0.23	0.25	0.72	2.00	0.78	6.49	7.91	220.97	730.93

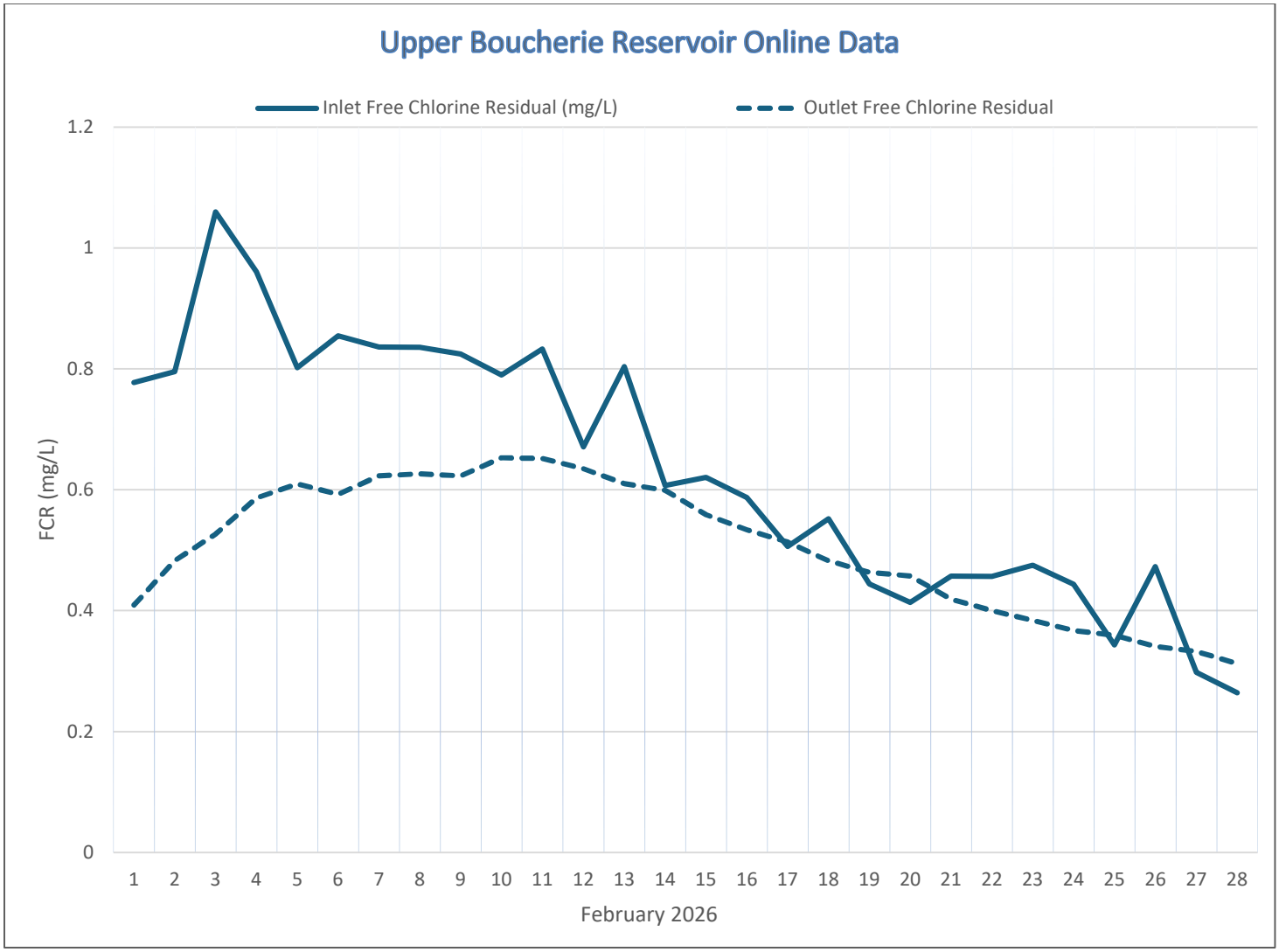


- February 23, 2026 - A decrease in the Blackwood Inlet FCR analyzer readings was observed. Troubleshooting determined on February 26 that the associated pH sensor had failed, resulting in inaccurate FCR measurements. The pH sensor was replaced and allowed time to stabilize, after which the FCR analyzer was calibrated the following day.

Blackwood PS Outlet Water Quality						
Date	Turbidity		Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
03-Feb-26	0.15	0.07	6.3	0.60	0.66	7.67
10-Feb-26	0.19	0.07	6.6	0.74	0.74	7.79
17-Feb-26	0.18	0.08	6.3	0.63	0.56	7.73
23-Feb-26	0.39	0.09	6.9	0.68	0.57	7.67
# of Samples	4	4	4	4	4	4
Average	0.23	0.08	6.52	0.66	0.63	7.72
Range	0.15-0.39	0.07-0.09	6.3-6.9	0.60-0.74	0.56-0.74	7.67-7.79

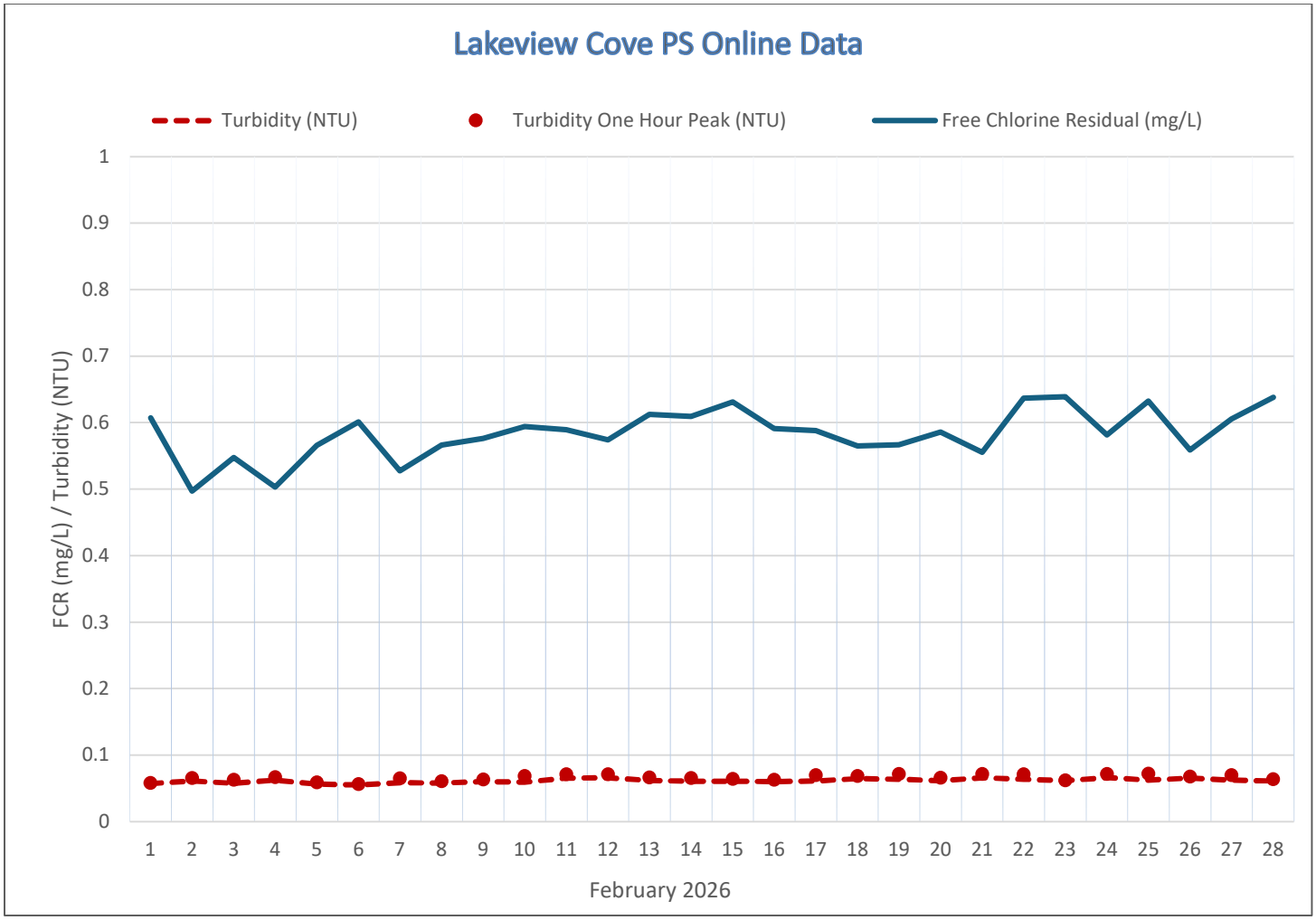
Upper Boucherie Outlet

Upper Boucherie Reservoir Online Data									
Date	Temp	pH	ORP	Inlet FCR			Outlet FCR		
	Avg (°C)	Avg (pH)	Avg (mV)	Min (mg/L)	Max (mg/L)	Avg (mg/L)	Min (mg/L)	Max (mg/L)	Avg (mg/L)
Feb 2026									
1	6.39	7.90	0.00	0.38	1.13	0.78	0.37	0.50	0.41
2	6.45	7.90	0.00	0.47	1.49	0.80	0.46	0.52	0.48
3	6.49	7.87	0.00	0.52	1.64	1.06	0.49	0.59	0.53
4	6.68	7.87	0.00	0.59	1.71	0.96	0.51	0.66	0.59
5	6.87	7.89	0.00	0.55	1.18	0.80	0.53	0.69	0.61
6	6.80	7.88	0.00	0.50	1.53	0.85	0.53	0.66	0.59
7	6.73	7.88	0.00	0.61	1.82	0.84	0.55	0.65	0.62
8	6.85	7.86	0.00	0.51	1.31	0.84	0.58	0.66	0.63
9	6.93	7.87	0.00	0.57	1.10	0.82	0.57	0.66	0.62
10	6.94	7.88	0.00	0.63	1.39	0.79	0.61	0.70	0.65
11	6.97	7.87	0.00	0.63	1.83	0.83	0.59	0.70	0.65
12	7.25	7.87	0.00	0.61	1.27	0.67	0.60	0.67	0.63
13	7.15	7.87	0.00	0.45	1.09	0.80	0.58	0.66	0.61
14	7.26	7.90	0.00	0.54	1.19	0.61	0.54	0.62	0.60
15	7.13	7.89	0.00	0.46	0.80	0.62	0.54	0.58	0.56
16	7.10	7.90	0.00	0.44	1.38	0.59	0.50	0.57	0.53
17	7.14	7.92	0.00	0.46	0.60	0.51	0.49	0.53	0.51
18	6.87	7.91	0.00	0.42	1.33	0.55	0.46	0.51	0.48
19	6.43	7.92	0.00	0.40	3.68	0.44	0.43	0.62	0.46
20	6.21	7.94	0.00	0.39	0.43	0.41	0.43	0.47	0.46
21	6.06	7.93	0.00	0.32	0.58	0.46	0.40	0.46	0.42
22	6.22	7.94	0.00	0.34	1.16	0.46	0.36	0.42	0.40
23	6.54	7.94	0.00	0.35	0.84	0.48	0.37	0.40	0.38
24	6.74	7.94	0.00	0.32	1.13	0.44	0.34	0.40	0.37
25	6.93	7.96	0.00	0.30	0.45	0.34	0.34	0.38	0.36
26	6.77	7.95	0.00	0.29	1.29	0.47	0.32	0.36	0.34
27	6.98	7.97	0.00	0.27	0.35	0.30	0.31	0.35	0.33
28	7.25	7.98	0.00	0.25	0.28	0.26	0.29	0.33	0.31
Average	6.79	7.91	0.00	0.45	1.21	0.64	0.47	0.55	0.51
Min	6.06	7.86	0.00	0.25	0.28	0.26	0.29	0.33	0.31
Max	7.26	7.98	0.00	0.63	3.68	1.06	0.61	0.70	0.65


Upper Boucherie Reservoir Online Data
Inlet Free Chlorine Residual (mg/L)
Outlet Free Chlorine Residual
FCR (mg/L)
1.2
1
0.8
0.6
0.4
0.2
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28
February 2026

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)
Feb 2026						
1	0.06	0.06	0.53	0.66	0.61	7.96
2	0.06	0.07	0.42	0.65	0.50	7.76
3	0.06	0.06	0.45	0.64	0.55	7.88
4	0.06	0.07	0.40	0.60	0.50	7.86
5	0.06	0.06	0.45	0.61	0.57	7.86
6	0.06	0.06	0.56	0.64	0.60	7.89
7	0.06	0.07	0.47	0.67	0.53	7.77
8	0.06	0.06	0.48	0.75	0.57	7.86
9	0.06	0.06	0.49	0.68	0.58	7.86
10	0.06	0.07	0.48	0.70	0.59	7.90
11	0.07	0.07	0.49	0.65	0.59	8.00
12	0.07	0.07	0.51	0.66	0.57	7.89
13	0.06	0.07	0.51	0.64	0.61	8.00
14	0.06	0.07	0.48	0.68	0.61	7.89
15	0.06	0.06	0.49	0.67	0.63	7.93
16	0.06	0.06	0.50	0.64	0.59	7.89
17	0.06	0.07	0.52	0.68	0.59	7.82
18	0.06	0.07	0.42	0.66	0.56	7.85
19	0.06	0.07	0.47	0.65	0.57	7.72
20	0.06	0.07	0.41	0.67	0.59	7.82
21	0.07	0.07	0.47	0.72	0.56	7.61
22	0.06	0.07	0.51	0.67	0.64	7.59
23	0.06	0.06	0.59	0.67	0.64	7.74
24	0.07	0.07	0.51	0.71	0.58	7.53
25	0.06	0.07	0.54	0.74	0.63	7.55
26	0.07	0.07	0.41	0.67	0.56	7.64
27	0.06	0.07	0.49	0.65	0.61	7.55
28	0.06	0.06	0.57	0.69	0.64	7.52
Average	0.06		0.49	0.67	0.58	7.79
Min	0.06		0.40	0.60	0.50	7.52
Max	0.07	0.07	0.59	0.75	0.64	8.00


Lakeview Cove PS Online Data
Turbidity (NTU)
Turbidity One Hour Peak (NTU)
Free Chlorine Residual (mg/L)
FCR (mg/L) / Turbidity (NTU)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28
February 2026

WQ Field Data

Thacker SS

Thacker SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
03-Feb-26	0.13	6.9	0.48	7.61
10-Feb-26	0.13	7.4	0.70	7.50
17-Feb-26	0.11	7.4	0.63	7.84
23-Feb-26	0.19	7.0	0.67	7.51
# of Samples	4	4	4	4
Average	0.14	7.175	0.62	7.62
Range	0.11-0.19	6.9-7.4	0.48-0.7	7.50-7.84

Shannon Way SS

Shannon Way SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
03-Feb-26	0.12	7.4	0.56	7.71
10-Feb-26	0.11	7.2	0.76	7.76
17-Feb-26	0.09	8.2	0.68	7.96
23-Feb-26	0.12	6.4	0.80	7.52
# of Samples	4	4	4	4
Average	0.11	7.3	0.7	7.74
Range	0.09-0.12	6.4-8.2	0.56-0.80	7.52-7.96

Lower Horizon SS

Lower Horizon SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
03-Feb-26	0.12	7.1	0.57	7.65
10-Feb-26	0.13	6.7	0.72	7.69
17-Feb-26	0.11	7.4	0.60	7.78
23-Feb-26	0.24	6.6	0.67	7.61
# of Samples	4	4	4	4
Average	0.15	7.0	0.64	7.68
Range	0.11-0.24	6.6-7.4	0.57-0.72	7.61-7.78

Pritchard SS

Pritchard SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
03-Feb-26	0.18	7.8	0.24	7.8
10-Feb-26	0.12	8.4	0.24	7.81
17-Feb-26	0.11	8.4	0.25	7.95
23-Feb-26	0.20	8.3	0.30	7.42
# of Samples	4	4	4	4
Average	0.15	8.2	0.26	7.75
Range	0.11-0.20	7.8-8.4	0.24-0.30	7.42-7.95

Vineyard View SS

Vineyard View SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
03-Feb-26	0.16	6.6	0.26	7.74
10-Feb-26	0.12	8.4	0.24	7.81
17-Feb-26	0.11	7.8	0.31	7.81
23-Feb-26	0.22	7.1	0.41	7.59
# of Samples	4	4	4	4
Average	0.15	7.5	0.31	7.74
Range	0.11-0.22	6.6-8.4	0.24-0.41	7.59-7.81

Disinfection Byproducts

Rose Valley Distribution System - THM Results (mg/L) MAC=0.10mg/L

Date	Rosewood PS	Thacker SS	Shannon Way SS	Menu PS	Pritchard SS	Vineyard View SS	Lower Horizon SS	Blackwood PS
27-May-25	0.0369	0.0445	0.0459	0.0411	0.0508	0.0608	0.0461	0.0448
21-Jul-25	0.236			0.246				0.267
31-Jul-25	0.0506			0.0568				0.067
19-Aug-25	0.0408	0.0567	0.082	0.0517	0.0732	0.0505	0.0467	0.094
25-Nov-25	0.0598	0.074	0.0747	0.0713	0.0965	0.0946	0.0748	0.0781
17-Feb-26	0.0709	0.0828	0.0864	0.0784	0.103	0.1000	0.0894	0.0869
Average	0.0825	0.0645	0.0723	0.0909	0.0809	0.0765	0.0643	0.1063

Rose Valley Distribution System - HAA5 Results (mg/L) MAC=0.08mg/L

Date	Rosewood PS	Thacker SS	Shannon Way SS	Menu PS	Pritchard SS	Vineyard View SS	Lower Horizon SS	Blackwood PS
27-May-25	0.0262	0.0339	0.0349	0.0298	0.0357	0.0403	0.0365	0.0316
21-Jul-25	0.0919			0.0865				0.0963
31-Jul-25	0.0339			0.0342				0.0434
19-Aug-25	0.0333	0.0375	0.0388	0.0386	0.0256	0.0273	0.0462	0.0387
25-Nov-25	0.033	0.0371	0.0417	0.0384	0.0333	0.0328	0.0422	0.0402
17-Feb-26	0.0347	0.0359	0.0364	0.0348	0.033	0.0533	0.0387	0.038
Average	0.0422	0.0361	0.0380	0.0437	0.0319	0.0384	0.0409	0.0480

- The elevated disinfection byproducts (DBPs) observed on July 21, 2025, were attributed to the pretreatment process still using sodium hypochlorite for manganese oxidation. While effective for oxidation, sodium hypochlorite is a chlorine-based chemical that is known to contribute to DBP formation. On July 23, 2025, the pre-oxidation process was switched to sodium permanganate, eliminating the introduction of chlorine during pretreatment. Subsequent samples collected by the RVWSA on July 31, 2025, and there after, showed a significant reduction in DBP formation compared to the July 21, 2025, results.
- The Pritchard sampling location is situated at the end of the distribution system and typically experiences very low flows during the winter months. Reduced turnover in this area increases water age, which can promote the formation of trihalomethanes (THMs). This was reflected in the sample collected from the Pritchard Sample Station on February 17, 2026, where the THM concentration exceeded the Maximum Acceptable Concentration (MAC). Despite this isolated exceedance, the annual running average for THMs at this location remains below the MAC. Planning is underway to conduct unidirectional flushing (UDF) in the Pritchard area in Spring 2026 to improve water turnover and help reduce DBP formation.
- Additional initiatives are also underway to improve water-age management across the distribution systems. Enhanced strategies to reduce water age are expected to further decrease the formation of DBPs, including both THMs and HAAs.

Manganese

Rosevalley Water Service Area - Manganese Results (mg/L)										
Location	**27-May-25**	**21-Jul-25**	**24-Jul-25**	**31-Jul-25**	**19-Aug-25**	**25-Nov-25**	**17-Feb-26**	**Average**	**Min**	**Max**
Rosewood	0.0187	0.0002		0.0082	0.0010	0.0005	0.0023	0.0052	0.0002	0.0187
Thacker	0.0110				0.0012	0.0004	0.0010	0.0034	0.0004	0.0110
Shannon Way	0.0102		0.0014		0.0005	0.0011	0.0013	0.0029	0.0005	0.0102
2201 Stevens Rd/Utility Yard			0.0004	0.0070				0.0037	0.0004	0.0070
Menu	0.0110	0.0002		0.0078	0.0004	0.0004	0.0014	0.0035	0.0002	0.0110
Pritchard	0.0067				0.0006	0.0004	0.0016	0.0023	0.0004	0.0067
Vineyard View	0.0066				0.0013	0.0005	0.0013	0.0024	0.0005	0.0066
Blackwood	0.0168	0.0007		0.0074	0.0006	0.0010	0.0016	0.0047	0.0006	0.0168
Lower Horizon / Horizon	0.0108				0.0008	0.0006	0.0013	0.0034	0.0006	0.0108
Mission Hill SS			0.0013	0.0084				0.0049	0.0013	0.0084
Upper Horizon SS			0.0009					0.0009	0.0009	0.0009

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

Appendix A – Quarterly Certificate of Analysis

CARO ANALYTICAL SERVICES

CERTIFICATE OF ANALYSIS

REPORTED TO	West Kelowna, City of 3731 Old Okanagan Hwy West Kelowna, BC V4T 0G7		
ATTENTION	Dan Ricciuti	**WORK ORDER**	26B1871
PO NUMBER	800133	**RECEIVED / TEMP**	2026-02-17 13:08 / 12.8°C
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-02-26 13:30
PROJECT INFO		**COC NUMBER**	No Number

Introduction:

CARO Analytical Services is a testing laboratory full of smart, engaged scientists driven to make the world a safer and healthier place. Through our clients' projects we become an essential element for a better world. We employ methods conducted in accordance with recognized professional standards using accepted testing methodologies and quality control efforts. CARO is accredited by the Canadian Association for Laboratories Accreditation (CALA) to ISO/IEC 17025:2017 for specific tests listed in the scope of accreditation approved by CALA.

Big Picture Sidekicks

You know that the sample you collected after snowshoeing to site, digging 5 meters, and racing to get it on a plane so you can submit it to the lab for time sensitive results needed to make important and expensive decisions (whew) is VERY important. We know that too.

We've Got Chemistry

It's simple. We figure the more you enjoy working with our fun and engaged team members; the more likely you are to give us continued opportunities to support you.

Ahead of the Curve

Through research, regulation knowledge, and instrumentation, we are your analytical centre for the technical knowledge you need, BEFORE you need it, so you can stay up to date and in the know.

By engaging our services, you are agreeing to CARO Analytical Service's Standard Terms and Conditions outlined here: https://www.caro.ca/terms-conditions

If you have any questions or concerns, please contact me at hhannaoui@caro.ca

Authorized By:

Hanane El Hannaoui
Junior Account Manager

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CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26B1871
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-02-26 13:30

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
THACKER SS (26B1871-01) | Matrix: Drinking Water | Sampled: 2026-02-17 09:20						
Calculated Parameters						
Total Trihalomethanes	**0.0828**	MAC = 0.1	0.00400	mg/L	N/A	
Hardness, Total (as CaCO3)	**96.5**	None Required	0.500	mg/L	N/A	
Langelier Index	**-0.3**	N/A	-5.0		2026-02-24	CT9
Field Parameters						
Chlorine, Free	**0.63**	N/A	0.02	mg/L	2026-02-17	
pH	**7.8**	7.0-10.5	0.1	pH units	2026-02-17	
Turbidity	**0.11**	OG < 1	0.10	NTU	2026-02-17	
General Parameters						
Alkalinity, Total (as CaCO3)	**85.6**	N/A	1.0	mg/L	2026-02-20	
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-02-20	
Alkalinity, Bicarbonate (as CaCO3)	**85.6**	N/A	1.0	mg/L	2026-02-20	
Alkalinity, Carbonate (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-02-20	
Alkalinity, Hydroxide (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-02-20	
Carbon, Total Organic	**3.59**	N/A	0.50	mg/L	2026-02-19	
Solids, Total Dissolved	**121**	AO ≤ 500	15	mg/L	2026-02-23	
Temperature, at pH	**20.5**	N/A		°C	2026-02-20	HT2
Haloacetic Acids						
Monochloroacetic Acid	< 0.0030	N/A	0.0020	mg/L	2026-02-26	RA3
Monobromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-02-26	
Dichloroacetic Acid	**0.0178**	N/A	0.0020	mg/L	2026-02-26	
Trichloroacetic Acid	**0.0181**	N/A	0.0020	mg/L	2026-02-26	
Dibromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-02-26	
Total Haloacetic Acids (HAA5)	**0.0359**	MAC = 0.08	0.00300	mg/L	N/A	
Surrogate: 2-Bromopropionic Acid	*123*		*70-130*	*%*	*2026-02-26*	
Microbiological Parameters						
Coliforms, Total	< 1	MAC = 0	1	CFU/100 mL	2026-02-18	
E. coli	< 1	MAC = 0	1	CFU/100 mL	2026-02-18	
Total Metals						
Aluminum, total	< 0.0050	OG < 0.1	0.0050	mg/L	2026-02-19	
Antimony, total	< 0.00020	MAC = 0.006	0.00020	mg/L	2026-02-19	
Arsenic, total	< 0.00050	MAC = 0.01	0.00050	mg/L	2026-02-19	
Barium, total	**0.0121**	MAC = 2	0.0050	mg/L	2026-02-19	
Beryllium, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Bismuth, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Boron, total	< 0.0500	MAC = 5	0.0500	mg/L	2026-02-19	
Cadmium, total	< 0.000010	MAC = 0.007	0.000010	mg/L	2026-02-19	
Calcium, total	**29.3**	None Required	0.20	mg/L	2026-02-19	
Chromium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-02-19	
Cobalt, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Copper, total	**0.00367**	MAC = 2	0.00040	mg/L	2026-02-19	

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26B1871
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-02-26 13:30

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
THACKER SS (26B1871-01) | Matrix: Drinking Water | Sampled: 2026-02-17 09:20, Continued						
Total Metals, Continued						
Iron, total	< 0.010	AO ≤ 0.1	0.010	mg/L	2026-02-19	
Lead, total	< 0.00020	MAC = 0.005	0.00020	mg/L	2026-02-19	
Lithium, total	**0.00261**	N/A	0.00010	mg/L	2026-02-19	
Magnesium, total	**5.68**	None Required	0.010	mg/L	2026-02-19	
Manganese, total	**0.00100**	MAC = 0.12	0.00020	mg/L	2026-02-19	
Molybdenum, total	**0.00167**	N/A	0.00010	mg/L	2026-02-19	
Nickel, total	< 0.00040	N/A	0.00040	mg/L	2026-02-19	
Phosphorus, total	< 0.050	N/A	0.050	mg/L	2026-02-19	
Potassium, total	**1.65**	N/A	0.10	mg/L	2026-02-19	
Selenium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-02-19	
Silicon, total	**10.5**	N/A	1.0	mg/L	2026-02-19	
Silver, total	< 0.000050	None Required	0.000050	mg/L	2026-02-19	
Sodium, total	**9.28**	AO ≤ 200	0.10	mg/L	2026-02-19	
Strontium, total	**0.129**	MAC = 7	0.0010	mg/L	2026-02-19	
Sulfur, total	< 3.0	N/A	3.0	mg/L	2026-02-19	
Tellurium, total	< 0.00050	N/A	0.00050	mg/L	2026-02-19	
Thallium, total	< 0.000020	N/A	0.000020	mg/L	2026-02-19	
Thorium, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Tin, total	< 0.00020	N/A	0.00020	mg/L	2026-02-19	
Titanium, total	< 0.0050	N/A	0.0050	mg/L	2026-02-19	
Tungsten, total	< 0.0010	N/A	0.0010	mg/L	2026-02-19	
Uranium, total	< 0.000020	MAC = 0.02	0.000020	mg/L	2026-02-19	
Vanadium, total	< 0.0050	N/A	0.0050	mg/L	2026-02-19	
Zinc, total	< 0.0040	AO ≤ 5	0.0040	mg/L	2026-02-19	
Zirconium, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Volatile Organic Compounds (VOC)						
Bromodichloromethane	**0.0043**	N/A	0.0010	mg/L	2026-02-24	
Bromoform	< 0.0010	N/A	0.0010	mg/L	2026-02-24	
Chloroform	**0.0785**	N/A	0.0010	mg/L	2026-02-24	
Dibromochloromethane	< 0.0010	N/A	0.0010	mg/L	2026-02-24	
Surrogate: Toluene-d8	*110*		*70-130*	%	*2026-02-24*	
Surrogate: 4-Bromofluorobenzene	*103*		*70-130*	%	*2026-02-24*	
SHANNON WAY SS (26B1871-02) | Matrix: Drinking Water | Sampled: 2026-02-17 12:10						
Calculated Parameters						
Total Trihalomethanes	**0.0864**	MAC = 0.1	0.00400	mg/L	N/A	
Hardness, Total (as CaCO3)	**90.0**	None Required	0.500	mg/L	N/A	
Langelier Index	**-0.3**	N/A	-5.0		2026-02-24	CT9
Field Parameters						
Chlorine, Free	**0.68**	N/A	0.02	mg/L	2026-02-17	

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26B1871
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-02-26 13:30

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
SHANNON WAY SS (26B1871-02) | Matrix: Drinking Water | Sampled: 2026-02-17 12:10, Continued						
Field Parameters, Continued						
pH	**8.0**	7.0-10.5	0.1	pH units	2026-02-17	
Turbidity	< 0.10	OG < 1	0.10	NTU	2026-02-17	
General Parameters						
Alkalinity, Total (as CaCO3)	**84.8**	N/A	1.0	mg/L	2026-02-20	
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-02-20	
Alkalinity, Bicarbonate (as CaCO3)	**84.8**	N/A	1.0	mg/L	2026-02-20	
Alkalinity, Carbonate (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-02-20	
Alkalinity, Hydroxide (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-02-20	
Carbon, Total Organic	**3.30**	N/A	0.50	mg/L	2026-02-19	
Solids, Total Dissolved	**145**	AO ≤ 500	15	mg/L	2026-02-23	
Temperature, at pH	**20.6**	N/A		°C	2026-02-20	HT2
Haloacetic Acids						
Monochloroacetic Acid	< 0.0030	N/A	0.0020	mg/L	2026-02-26	RA3
Monobromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-02-26	
Dichloroacetic Acid	**0.0165**	N/A	0.0020	mg/L	2026-02-26	
Trichloroacetic Acid	**0.0199**	N/A	0.0020	mg/L	2026-02-26	
Dibromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-02-26	
Total Haloacetic Acids (HAA5)	**0.0364**	MAC = 0.08	0.00300	mg/L	N/A	
Surrogate: 2-Bromopropionic Acid	*114*		*70-130*	%	*2026-02-26*	
Microbiological Parameters						
Coliforms, Total	< 1	MAC = 0	1	CFU/100 mL	2026-02-18	
E. coli	< 1	MAC = 0	1	CFU/100 mL	2026-02-18	
Total Metals						
Aluminum, total	< 0.0050	OG < 0.1	0.0050	mg/L	2026-02-19	
Antimony, total	< 0.00020	MAC = 0.006	0.00020	mg/L	2026-02-19	
Arsenic, total	< 0.00050	MAC = 0.01	0.00050	mg/L	2026-02-19	
Barium, total	**0.0115**	MAC = 2	0.0050	mg/L	2026-02-19	
Beryllium, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Bismuth, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Boron, total	< 0.0500	MAC = 5	0.0500	mg/L	2026-02-19	
Cadmium, total	< 0.000010	MAC = 0.007	0.000010	mg/L	2026-02-19	
Calcium, total	**27.2**	None Required	0.20	mg/L	2026-02-19	
Chromium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-02-19	
Cobalt, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Copper, total	**0.00537**	MAC = 2	0.00040	mg/L	2026-02-19	
Iron, total	< 0.010	AO ≤ 0.1	0.010	mg/L	2026-02-19	
Lead, total	< 0.00020	MAC = 0.005	0.00020	mg/L	2026-02-19	
Lithium, total	**0.00252**	N/A	0.00010	mg/L	2026-02-19	
Magnesium, total	**5.31**	None Required	0.010	mg/L	2026-02-19	
Manganese, total	**0.00128**	MAC = 0.12	0.00020	mg/L	2026-02-19	

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26B1871
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-02-26 13:30

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
SHANNON WAY SS (26B1871-02) | Matrix: Drinking Water | Sampled: 2026-02-17 12:10, Continued						
Total Metals, Continued						
Molybdenum, total	**0.00159**	N/A	0.00010	mg/L	2026-02-19	
Nickel, total	**0.00056**	N/A	0.00040	mg/L	2026-02-19	
Phosphorus, total	< 0.050	N/A	0.050	mg/L	2026-02-19	
Potassium, total	**1.49**	N/A	0.10	mg/L	2026-02-19	
Selenium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-02-19	
Silicon, total	**9.7**	N/A	1.0	mg/L	2026-02-19	
Silver, total	< 0.000050	None Required	0.000050	mg/L	2026-02-19	
Sodium, total	**8.77**	AO ≤ 200	0.10	mg/L	2026-02-19	
Strontium, total	**0.122**	MAC = 7	0.0010	mg/L	2026-02-19	
Sulfur, total	< 3.0	N/A	3.0	mg/L	2026-02-19	
Tellurium, total	< 0.00050	N/A	0.00050	mg/L	2026-02-19	
Thallium, total	< 0.000020	N/A	0.000020	mg/L	2026-02-19	
Thorium, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Tin, total	< 0.00020	N/A	0.00020	mg/L	2026-02-19	
Titanium, total	< 0.0050	N/A	0.0050	mg/L	2026-02-19	
Tungsten, total	< 0.0010	N/A	0.0010	mg/L	2026-02-19	
Uranium, total	< 0.000020	MAC = 0.02	0.000020	mg/L	2026-02-19	
Vanadium, total	< 0.0050	N/A	0.0050	mg/L	2026-02-19	
Zinc, total	< 0.0040	AO ≤ 5	0.0040	mg/L	2026-02-19	
Zirconium, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Volatile Organic Compounds (VOC)						
Bromodichloromethane	**0.0044**	N/A	0.0010	mg/L	2026-02-24	
Bromoform	< 0.0010	N/A	0.0010	mg/L	2026-02-24	
Chloroform	**0.0820**	N/A	0.0010	mg/L	2026-02-24	
Dibromochloromethane	< 0.0010	N/A	0.0010	mg/L	2026-02-24	
Surrogate: Toluene-d8	*93*		*70-130*	%	*2026-02-24*	
Surrogate: 4-Bromofluorobenzene	*87*		*70-130*	%	*2026-02-24*	
ROSEWOOD PS (26B1871-03) | Matrix: Drinking Water | Sampled: 2026-02-17 08:05						
Calculated Parameters						
Total Trihalomethanes	**0.0709**	MAC = 0.1	0.00400	mg/L	N/A	
Hardness, Total (as CaCO3)	**92.9**	None Required	0.500	mg/L	N/A	
Langelier Index	**-0.5**	N/A	-5.0		2026-02-24	CT9
Nitrogen, Organic	**0.123**	N/A	0.0500	mg/L	N/A	
Field Parameters						
Chlorine, Free	**0.89**	N/A	0.02	mg/L	2026-02-17	
pH	**7.7**	7.0-10.5	0.1	pH units	2026-02-17	
Turbidity	< 0.10	OG < 1	0.10	NTU	2026-02-17	
General Parameters						
Alkalinity, Total (as CaCO3)	**92.6**	N/A	1.0	mg/L	2026-02-20	

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26B1871
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-02-26 13:30

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
ROSEWOOD PS (26B1871-03) | Matrix: Drinking Water | Sampled: 2026-02-17 08:05, Continued						
General Parameters, Continued						
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-02-20	
Alkalinity, Bicarbonate (as CaCO3)	**92.6**	N/A	1.0	mg/L	2026-02-20	
Alkalinity, Carbonate (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-02-20	
Alkalinity, Hydroxide (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-02-20	
Ammonia, Total (as N)	< 0.050	None Required	0.050	mg/L	2026-02-21	
Carbon, Total Organic	**3.85**	N/A	0.50	mg/L	2026-02-19	
Nitrogen, Total Kjeldahl	**0.123**	N/A	0.050	mg/L	2026-02-20	
Solids, Total Dissolved	**126**	AO ≤ 500	15	mg/L	2026-02-23	
Temperature, at pH	**20.6**	N/A		°C	2026-02-20	HT2
Haloacetic Acids						
Monochloroacetic Acid	< 0.0030	N/A	0.0020	mg/L	2026-02-26	RA3
Monobromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-02-26	
Dichloroacetic Acid	**0.0162**	N/A	0.0020	mg/L	2026-02-26	
Trichloroacetic Acid	**0.0185**	N/A	0.0020	mg/L	2026-02-26	
Dibromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-02-26	
Total Haloacetic Acids (HAA5)	**0.0347**	MAC = 0.08	0.00300	mg/L	N/A	
Surrogate: 2-Bromopropionic Acid	*127*		*70-130*	%	*2026-02-26*	
Microbiological Parameters						
Coliforms, Total	< 1	MAC = 0	1	CFU/100 mL	2026-02-18	
E. coli	< 1	MAC = 0	1	CFU/100 mL	2026-02-18	
Total Metals						
Aluminum, total	< 0.0050	OG < 0.1	0.0050	mg/L	2026-02-19	
Antimony, total	< 0.00020	MAC = 0.006	0.00020	mg/L	2026-02-19	
Arsenic, total	< 0.00050	MAC = 0.01	0.00050	mg/L	2026-02-19	
Barium, total	**0.0119**	MAC = 2	0.0050	mg/L	2026-02-19	
Beryllium, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Bismuth, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Boron, total	< 0.0500	MAC = 5	0.0500	mg/L	2026-02-19	
Cadmium, total	< 0.000010	MAC = 0.007	0.000010	mg/L	2026-02-19	
Calcium, total	**28.1**	None Required	0.20	mg/L	2026-02-19	
Chromium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-02-19	
Cobalt, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Copper, total	**0.00246**	MAC = 2	0.00040	mg/L	2026-02-19	
Iron, total	< 0.010	AO ≤ 0.1	0.010	mg/L	2026-02-19	
Lead, total	< 0.00020	MAC = 0.005	0.00020	mg/L	2026-02-19	
Lithium, total	**0.00252**	N/A	0.00010	mg/L	2026-02-19	
Magnesium, total	**5.48**	None Required	0.010	mg/L	2026-02-19	
Manganese, total	**0.00234**	MAC = 0.12	0.00020	mg/L	2026-02-19	
Molybdenum, total	**0.00164**	N/A	0.00010	mg/L	2026-02-19	
Nickel, total	**0.00053**	N/A	0.00040	mg/L	2026-02-19	
Phosphorus, total	< 0.050	N/A	0.050	mg/L	2026-02-19	

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26B1871
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-02-26 13:30

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
ROSEWOOD PS (26B1871-03) | Matrix: Drinking Water | Sampled: 2026-02-17 08:05, Continued						
Total Metals, Continued						
Potassium, total	**1.58**	N/A	0.10	mg/L	2026-02-19	
Selenium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-02-19	
Silicon, total	**10.1**	N/A	1.0	mg/L	2026-02-19	
Silver, total	< 0.000050	None Required	0.000050	mg/L	2026-02-19	
Sodium, total	**8.87**	AO ≤ 200	0.10	mg/L	2026-02-19	
Strontium, total	**0.125**	MAC = 7	0.0010	mg/L	2026-02-19	
Sulfur, total	< 3.0	N/A	3.0	mg/L	2026-02-19	
Tellurium, total	< 0.00050	N/A	0.00050	mg/L	2026-02-19	
Thallium, total	< 0.000020	N/A	0.000020	mg/L	2026-02-19	
Thorium, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Tin, total	< 0.00020	N/A	0.00020	mg/L	2026-02-19	
Titanium, total	< 0.0050	N/A	0.0050	mg/L	2026-02-19	
Tungsten, total	< 0.0010	N/A	0.0010	mg/L	2026-02-19	
Uranium, total	< 0.000020	MAC = 0.02	0.000020	mg/L	2026-02-19	
Vanadium, total	< 0.0050	N/A	0.0050	mg/L	2026-02-19	
Zinc, total	< 0.0040	AO ≤ 5	0.0040	mg/L	2026-02-19	
Zirconium, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Volatile Organic Compounds (VOC)						
Bromodichloromethane	**0.0035**	N/A	0.0010	mg/L	2026-02-24	
Bromoform	< 0.0010	N/A	0.0010	mg/L	2026-02-24	
Chloroform	**0.0674**	N/A	0.0010	mg/L	2026-02-24	
Dibromochloromethane	< 0.0010	N/A	0.0010	mg/L	2026-02-24	
Surrogate: Toluene-d8	*98*		*70-130*	%	*2026-02-24*	
Surrogate: 4-Bromofluorobenzene	*90*		*70-130*	%	*2026-02-24*	
BLACKWOOD PS (26B1871-04) | Matrix: Drinking Water | Sampled: 2026-02-17 08:35						
Calculated Parameters						
Total Trihalomethanes	**0.0869**	MAC = 0.1	0.00400	mg/L	N/A	
Hardness, Total (as CaCO3)	**92.9**	None Required	0.500	mg/L	N/A	
Langelier Index	**-0.4**	N/A	-5.0		2026-02-24	CT9
Nitrogen, Organic	**0.182**	N/A	0.0500	mg/L	N/A	
Field Parameters						
Chlorine, Free	**0.63**	N/A	0.02	mg/L	2026-02-17	
pH	**7.7**	7.0-10.5	0.1	pH units	2026-02-17	
Turbidity	**0.18**	OG < 1	0.10	NTU	2026-02-17	
General Parameters						
Alkalinity, Total (as CaCO3)	**93.9**	N/A	1.0	mg/L	2026-02-20	
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-02-20	
Alkalinity, Bicarbonate (as CaCO3)	**93.9**	N/A	1.0	mg/L	2026-02-20	
Alkalinity, Carbonate (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-02-20	

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26B1871
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-02-26 13:30

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
BLACKWOOD PS (26B1871-04) | Matrix: Drinking Water | Sampled: 2026-02-17 08:35, Continued						
General Parameters, Continued						
Alkalinity, Hydroxide (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-02-20	
Ammonia, Total (as N)	< 0.050	None Required	0.050	mg/L	2026-02-21	
Carbon, Total Organic	**3.48**	N/A	0.50	mg/L	2026-02-19	
Nitrogen, Total Kjeldahl	**0.182**	N/A	0.050	mg/L	2026-02-21	
Solids, Total Dissolved	**134**	AO ≤ 500	15	mg/L	2026-02-23	
Temperature, at pH	**20.7**	N/A		°C	2026-02-20	HT2
Haloacetic Acids						
Monochloroacetic Acid	< 0.0030	N/A	0.0020	mg/L	2026-02-26	RA3
Monobromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-02-26	
Dichloroacetic Acid	**0.0187**	N/A	0.0020	mg/L	2026-02-26	
Trichloroacetic Acid	**0.0193**	N/A	0.0020	mg/L	2026-02-26	
Dibromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-02-26	
Total Haloacetic Acids (HAA5)	**0.0380**	MAC = 0.08	0.00300	mg/L	N/A	
Surrogate: 2-Bromopropionic Acid	*127*		*70-130*	%	*2026-02-26*	
Microbiological Parameters						
Coliforms, Total	< 1	MAC = 0	1	CFU/100 mL	2026-02-18	
E. coli	< 1	MAC = 0	1	CFU/100 mL	2026-02-18	
Total Metals						
Aluminum, total	**0.0055**	OG < 0.1	0.0050	mg/L	2026-02-19	
Antimony, total	< 0.00020	MAC = 0.006	0.00020	mg/L	2026-02-19	
Arsenic, total	< 0.00050	MAC = 0.01	0.00050	mg/L	2026-02-19	
Barium, total	**0.0111**	MAC = 2	0.0050	mg/L	2026-02-19	
Beryllium, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Bismuth, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Boron, total	< 0.0500	MAC = 5	0.0500	mg/L	2026-02-19	
Cadmium, total	< 0.000010	MAC = 0.007	0.000010	mg/L	2026-02-19	
Calcium, total	**28.4**	None Required	0.20	mg/L	2026-02-19	
Chromium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-02-19	
Cobalt, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Copper, total	**0.00191**	MAC = 2	0.00040	mg/L	2026-02-19	
Iron, total	< 0.010	AO ≤ 0.1	0.010	mg/L	2026-02-19	
Lead, total	< 0.00020	MAC = 0.005	0.00020	mg/L	2026-02-19	
Lithium, total	**0.00264**	N/A	0.00010	mg/L	2026-02-19	
Magnesium, total	**5.33**	None Required	0.010	mg/L	2026-02-19	
Manganese, total	**0.00164**	MAC = 0.12	0.00020	mg/L	2026-02-19	
Molybdenum, total	**0.00162**	N/A	0.00010	mg/L	2026-02-19	
Nickel, total	< 0.00040	N/A	0.00040	mg/L	2026-02-19	
Phosphorus, total	< 0.050	N/A	0.050	mg/L	2026-02-19	
Potassium, total	**1.57**	N/A	0.10	mg/L	2026-02-19	
Selenium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-02-19	
Silicon, total	**10.1**	N/A	1.0	mg/L	2026-02-19	

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26B1871
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-02-26 13:30

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
BLACKWOOD PS (26B1871-04) | Matrix: Drinking Water | Sampled: 2026-02-17 08:35, Continued						
Total Metals, Continued						
Silver, total	< 0.000050	None Required	0.000050	mg/L	2026-02-19	
Sodium, total	**8.90**	AO ≤ 200	0.10	mg/L	2026-02-19	
Strontium, total	**0.126**	MAC = 7	0.0010	mg/L	2026-02-19	
Sulfur, total	**3.0**	N/A	3.0	mg/L	2026-02-19	
Tellurium, total	< 0.00050	N/A	0.00050	mg/L	2026-02-19	
Thallium, total	< 0.000020	N/A	0.000020	mg/L	2026-02-19	
Thorium, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Tin, total	< 0.00020	N/A	0.00020	mg/L	2026-02-19	
Titanium, total	< 0.0050	N/A	0.0050	mg/L	2026-02-19	
Tungsten, total	< 0.0010	N/A	0.0010	mg/L	2026-02-19	
Uranium, total	< 0.000020	MAC = 0.02	0.000020	mg/L	2026-02-19	
Vanadium, total	< 0.0050	N/A	0.0050	mg/L	2026-02-19	
Zinc, total	**0.0044**	AO ≤ 5	0.0040	mg/L	2026-02-19	
Zirconium, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Volatile Organic Compounds (VOC)						
Bromodichloromethane	**0.0045**	N/A	0.0010	mg/L	2026-02-24	
Bromoform	< 0.0010	N/A	0.0010	mg/L	2026-02-24	
Chloroform	**0.0824**	N/A	0.0010	mg/L	2026-02-24	
Dibromochloromethane	< 0.0010	N/A	0.0010	mg/L	2026-02-24	
Surrogate: Toluene-d8	*99*		*70-130*	*%*	*2026-02-24*	
Surrogate: 4-Bromofluorobenzene	*93*		*70-130*	*%*	*2026-02-24*	
LOWER HORIZON SS (26B1871-05) | Matrix: Drinking Water | Sampled: 2026-02-17 09:00						
Calculated Parameters						
Total Trihalomethanes	**0.0894**	MAC = 0.1	0.00400	mg/L	N/A	
Hardness, Total (as CaCO3)	**93.0**	None Required	0.500	mg/L	N/A	
Langelier Index	**-0.4**	N/A	-5.0		2026-02-24	CT9
Field Parameters						
Chlorine, Free	**0.60**	N/A	0.02	mg/L	2026-02-17	
pH	**7.8**	7.0-10.5	0.1	pH units	2026-02-17	
Turbidity	**0.11**	OG < 1	0.10	NTU	2026-02-17	
General Parameters						
Alkalinity, Total (as CaCO3)	**93.4**	N/A	1.0	mg/L	2026-02-20	
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-02-20	
Alkalinity, Bicarbonate (as CaCO3)	**93.4**	N/A	1.0	mg/L	2026-02-20	
Alkalinity, Carbonate (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-02-20	
Alkalinity, Hydroxide (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-02-20	
Carbon, Total Organic	**3.89**	N/A	0.50	mg/L	2026-02-19	
Solids, Total Dissolved	**141**	AO ≤ 500	15	mg/L	2026-02-23	
Temperature, at pH	**21.0**	N/A		°C	2026-02-20	HT2

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26B1871
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-02-26 13:30

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
LOWER HORIZON SS (26B1871-05) | Matrix: Drinking Water | Sampled: 2026-02-17 09:00, Continued						
Haloacetic Acids						
Monochloroacetic Acid	< 0.0030	N/A	0.0020	mg/L	2026-02-26	RA3
Monobromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-02-26	
Dichloroacetic Acid	**0.0190**	N/A	0.0020	mg/L	2026-02-26	
Trichloroacetic Acid	**0.0197**	N/A	0.0020	mg/L	2026-02-26	
Dibromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-02-26	
Total Haloacetic Acids (HAA5)	**0.0387**	MAC = 0.08	0.00300	mg/L	N/A	
Surrogate: 2-Bromopropionic Acid	*112*		*70-130*	%	*2026-02-26*	
Microbiological Parameters						
Coliforms, Total	< 1	MAC = 0	1	CFU/100 mL	2026-02-18	
E. coli	< 1	MAC = 0	1	CFU/100 mL	2026-02-18	
Total Metals						
Aluminum, total	**0.0055**	OG < 0.1	0.0050	mg/L	2026-02-19	
Antimony, total	< 0.00020	MAC = 0.006	0.00020	mg/L	2026-02-19	
Arsenic, total	< 0.00050	MAC = 0.01	0.00050	mg/L	2026-02-19	
Barium, total	**0.0117**	MAC = 2	0.0050	mg/L	2026-02-19	
Beryllium, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Bismuth, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Boron, total	< 0.0500	MAC = 5	0.0500	mg/L	2026-02-19	
Cadmium, total	< 0.000010	MAC = 0.007	0.000010	mg/L	2026-02-19	
Calcium, total	**28.2**	None Required	0.20	mg/L	2026-02-19	
Chromium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-02-19	
Cobalt, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Copper, total	**0.00520**	MAC = 2	0.00040	mg/L	2026-02-19	
Iron, total	< 0.010	AO ≤ 0.1	0.010	mg/L	2026-02-19	
Lead, total	< 0.00020	MAC = 0.005	0.00020	mg/L	2026-02-19	
Lithium, total	**0.00254**	N/A	0.00010	mg/L	2026-02-19	
Magnesium, total	**5.45**	None Required	0.010	mg/L	2026-02-19	
Manganese, total	**0.00130**	MAC = 0.12	0.00020	mg/L	2026-02-19	
Molybdenum, total	**0.00160**	N/A	0.00010	mg/L	2026-02-19	
Nickel, total	**0.00043**	N/A	0.00040	mg/L	2026-02-19	
Phosphorus, total	< 0.050	N/A	0.050	mg/L	2026-02-19	
Potassium, total	**1.53**	N/A	0.10	mg/L	2026-02-19	
Selenium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-02-19	
Silicon, total	**10.0**	N/A	1.0	mg/L	2026-02-19	
Silver, total	< 0.000050	None Required	0.000050	mg/L	2026-02-19	
Sodium, total	**8.92**	AO ≤ 200	0.10	mg/L	2026-02-19	
Strontium, total	**0.125**	MAC = 7	0.0010	mg/L	2026-02-19	
Sulfur, total	< 3.0	N/A	3.0	mg/L	2026-02-19	
Tellurium, total	< 0.00050	N/A	0.00050	mg/L	2026-02-19	
Thallium, total	< 0.000020	N/A	0.000020	mg/L	2026-02-19	
Thorium, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Tin, total	< 0.00020	N/A	0.00020	mg/L	2026-02-19	

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26B1871
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-02-26 13:30

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
LOWER HORIZON SS (26B1871-05) | Matrix: Drinking Water | Sampled: 2026-02-17 09:00, Continued						
Total Metals, Continued						
Titanium, total	< 0.0050	N/A	0.0050	mg/L	2026-02-19	
Tungsten, total	< 0.0010	N/A	0.0010	mg/L	2026-02-19	
Uranium, total	< 0.000020	MAC = 0.02	0.000020	mg/L	2026-02-19	
Vanadium, total	< 0.0050	N/A	0.0050	mg/L	2026-02-19	
Zinc, total	< 0.0040	AO ≤ 5	0.0040	mg/L	2026-02-19	
Zirconium, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Volatile Organic Compounds (VOC)						
Bromodichloromethane	**0.0046**	N/A	0.0010	mg/L	2026-02-24	
Bromoform	< 0.0010	N/A	0.0010	mg/L	2026-02-24	
Chloroform	**0.0847**	N/A	0.0010	mg/L	2026-02-24	
Dibromochloromethane	< 0.0010	N/A	0.0010	mg/L	2026-02-24	
Surrogate: Toluene-d8	*97*		*70-130*	%	*2026-02-24*	
Surrogate: 4-Bromofluorobenzene	*91*		*70-130*	%	*2026-02-24*	
MENU PS (26B1871-06) | Matrix: Drinking Water | Sampled: 2026-02-17 09:45						
Calculated Parameters						
Total Trihalomethanes	**0.0784**	MAC = 0.1	0.00400	mg/L	N/A	
Hardness, Total (as CaCO3)	**92.2**	None Required	0.500	mg/L	N/A	
Langelier Index	**-0.4**	N/A	-5.0		2026-02-24	CT9
Nitrogen, Organic	**0.107**	N/A	0.0500	mg/L	N/A	
Field Parameters						
Chlorine, Free	**0.80**	N/A	0.02	mg/L	2026-02-17	
pH	**7.8**	7.0-10.5	0.1	pH units	2026-02-17	
Turbidity	**0.11**	OG < 1	0.10	NTU	2026-02-17	
General Parameters						
Alkalinity, Total (as CaCO3)	**87.7**	N/A	1.0	mg/L	2026-02-20	
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-02-20	
Alkalinity, Bicarbonate (as CaCO3)	**87.7**	N/A	1.0	mg/L	2026-02-20	
Alkalinity, Carbonate (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-02-20	
Alkalinity, Hydroxide (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-02-20	
Ammonia, Total (as N)	< 0.050	None Required	0.050	mg/L	2026-02-21	
Carbon, Total Organic	**3.54**	N/A	0.50	mg/L	2026-02-19	
Nitrogen, Total Kjeldahl	**0.107**	N/A	0.050	mg/L	2026-02-21	
Solids, Total Dissolved	**114**	AO ≤ 500	15	mg/L	2026-02-23	
Temperature, at pH	**21.2**	N/A		°C	2026-02-20	HT2
Haloacetic Acids						
Monochloroacetic Acid	< 0.0030	N/A	0.0020	mg/L	2026-02-26	RA3
Monobromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-02-26	
Dichloroacetic Acid	**0.0167**	N/A	0.0020	mg/L	2026-02-26	

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26B1871
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-02-26 13:30

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
MENU PS (26B1871-06) | Matrix: Drinking Water | Sampled: 2026-02-17 09:45, Continued						
Haloacetic Acids, Continued						
Trichloroacetic Acid	**0.0181**	N/A	0.0020	mg/L	2026-02-26	
Dibromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-02-26	
Total Haloacetic Acids (HAA5)	**0.0348**	MAC = 0.08	0.00300	mg/L	N/A	
Surrogate: 2-Bromopropionic Acid	*110*		*70-130*	%	*2026-02-26*	
Microbiological Parameters						
Coliforms, Total	< 1	MAC = 0	1	CFU/100 mL	2026-02-18	
E. coli	< 1	MAC = 0	1	CFU/100 mL	2026-02-18	
Total Metals						
Aluminum, total	< 0.0050	OG < 0.1	0.0050	mg/L	2026-02-19	
Antimony, total	< 0.00020	MAC = 0.006	0.00020	mg/L	2026-02-19	
Arsenic, total	< 0.00050	MAC = 0.01	0.00050	mg/L	2026-02-19	
Barium, total	**0.0114**	MAC = 2	0.0050	mg/L	2026-02-19	
Beryllium, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Bismuth, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Boron, total	< 0.0500	MAC = 5	0.0500	mg/L	2026-02-19	
Cadmium, total	< 0.000010	MAC = 0.007	0.000010	mg/L	2026-02-19	
Calcium, total	**27.9**	None Required	0.20	mg/L	2026-02-19	
Chromium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-02-19	
Cobalt, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Copper, total	**0.00173**	MAC = 2	0.00040	mg/L	2026-02-19	
Iron, total	< 0.010	AO ≤ 0.1	0.010	mg/L	2026-02-19	
Lead, total	< 0.00020	MAC = 0.005	0.00020	mg/L	2026-02-19	
Lithium, total	**0.00254**	N/A	0.00010	mg/L	2026-02-19	
Magnesium, total	**5.42**	None Required	0.010	mg/L	2026-02-19	
Manganese, total	**0.00139**	MAC = 0.12	0.00020	mg/L	2026-02-19	
Molybdenum, total	**0.00166**	N/A	0.00010	mg/L	2026-02-19	
Nickel, total	< 0.00040	N/A	0.00040	mg/L	2026-02-19	
Phosphorus, total	< 0.050	N/A	0.050	mg/L	2026-02-19	
Potassium, total	**1.56**	N/A	0.10	mg/L	2026-02-19	
Selenium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-02-19	
Silicon, total	**10.0**	N/A	1.0	mg/L	2026-02-19	
Silver, total	< 0.000050	None Required	0.000050	mg/L	2026-02-19	
Sodium, total	**8.85**	AO ≤ 200	0.10	mg/L	2026-02-19	
Strontium, total	**0.125**	MAC = 7	0.0010	mg/L	2026-02-19	
Sulfur, total	< 3.0	N/A	3.0	mg/L	2026-02-19	
Tellurium, total	< 0.00050	N/A	0.00050	mg/L	2026-02-19	
Thallium, total	< 0.000020	N/A	0.000020	mg/L	2026-02-19	
Thorium, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Tin, total	< 0.00020	N/A	0.00020	mg/L	2026-02-19	
Titanium, total	< 0.0050	N/A	0.0050	mg/L	2026-02-19	
Tungsten, total	< 0.0010	N/A	0.0010	mg/L	2026-02-19	
Uranium, total	< 0.000020	MAC = 0.02	0.000020	mg/L	2026-02-19	

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26B1871
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-02-26 13:30

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
MENU PS (26B1871-06) | Matrix: Drinking Water | Sampled: 2026-02-17 09:45, Continued						
Total Metals, Continued						
Vanadium, total	< 0.0050	N/A	0.0050	mg/L	2026-02-19	
Zinc, total	< 0.0040	AO ≤ 5	0.0040	mg/L	2026-02-19	
Zirconium, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Volatile Organic Compounds (VOC)						
Bromodichloromethane	**0.0040**	N/A	0.0010	mg/L	2026-02-24	
Bromoform	< 0.0010	N/A	0.0010	mg/L	2026-02-24	
Chloroform	**0.0744**	N/A	0.0010	mg/L	2026-02-24	
Dibromochloromethane	< 0.0010	N/A	0.0010	mg/L	2026-02-24	
Surrogate: Toluene-d8	*90*		*70-130*	%	*2026-02-24*	
Surrogate: 4-Bromofluorobenzene	*84*		*70-130*	%	*2026-02-24*	
PRITCHARD SS (26B1871-07) | Matrix: Drinking Water | Sampled: 2026-02-17 10:30						
Calculated Parameters						
Total Trihalomethanes	**0.103**	MAC = 0.1	0.00400	mg/L	N/A	
Hardness, Total (as CaCO3)	**93.5**	None Required	0.500	mg/L	N/A	
Langelier Index	**-0.2**	N/A	-5.0		2026-02-24	CT9
Field Parameters						
Chlorine, Free	**0.25**	N/A	0.02	mg/L	2026-02-17	
pH	**8.0**	7.0-10.5	0.1	pH units	2026-02-17	
Turbidity	**0.11**	OG < 1	0.10	NTU	2026-02-17	
General Parameters						
Alkalinity, Total (as CaCO3)	**94.3**	N/A	1.0	mg/L	2026-02-20	
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-02-20	
Alkalinity, Bicarbonate (as CaCO3)	**94.3**	N/A	1.0	mg/L	2026-02-20	
Alkalinity, Carbonate (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-02-20	
Alkalinity, Hydroxide (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-02-20	
Carbon, Total Organic	**3.85**	N/A	0.50	mg/L	2026-02-19	
Solids, Total Dissolved	**131**	AO ≤ 500	15	mg/L	2026-02-23	
Temperature, at pH	**21.1**	N/A		°C	2026-02-20	HT2
Haloacetic Acids						
Monochloroacetic Acid	< 0.0030	N/A	0.0020	mg/L	2026-02-26	RA3
Monobromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-02-26	
Dichloroacetic Acid	**0.0076**	N/A	0.0020	mg/L	2026-02-26	
Trichloroacetic Acid	**0.0254**	N/A	0.0020	mg/L	2026-02-26	
Dibromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-02-26	
Total Haloacetic Acids (HAA5)	**0.0330**	MAC = 0.08	0.00300	mg/L	N/A	
Surrogate: 2-Bromopropionic Acid	*129*		*70-130*	%	*2026-02-26*	
Microbiological Parameters						

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26B1871
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-02-26 13:30

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
PRITCHARD SS (26B1871-07) | Matrix: Drinking Water | Sampled: 2026-02-17 10:30, Continued						
Microbiological Parameters, Continued						
Coliforms, Total	< 1	MAC = 0	1	CFU/100 mL	2026-02-18	
E. coli	< 1	MAC = 0	1	CFU/100 mL	2026-02-18	
Total Metals						
Aluminum, total	**0.0081**	OG < 0.1	0.0050	mg/L	2026-02-19	
Antimony, total	< 0.00020	MAC = 0.006	0.00020	mg/L	2026-02-19	
Arsenic, total	< 0.00050	MAC = 0.01	0.00050	mg/L	2026-02-19	
Barium, total	**0.0110**	MAC = 2	0.0050	mg/L	2026-02-19	
Beryllium, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Bismuth, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Boron, total	< 0.0500	MAC = 5	0.0500	mg/L	2026-02-19	
Cadmium, total	< 0.000010	MAC = 0.007	0.000010	mg/L	2026-02-19	
Calcium, total	**28.9**	None Required	0.20	mg/L	2026-02-19	
Chromium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-02-19	
Cobalt, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Copper, total	**0.00324**	MAC = 2	0.00040	mg/L	2026-02-19	
Iron, total	< 0.010	AO ≤ 0.1	0.010	mg/L	2026-02-19	
Lead, total	< 0.00020	MAC = 0.005	0.00020	mg/L	2026-02-19	
Lithium, total	**0.00259**	N/A	0.00010	mg/L	2026-02-19	
Magnesium, total	**5.17**	None Required	0.010	mg/L	2026-02-19	
Manganese, total	**0.00155**	MAC = 0.12	0.00020	mg/L	2026-02-19	
Molybdenum, total	**0.00159**	N/A	0.00010	mg/L	2026-02-19	
Nickel, total	< 0.00040	N/A	0.00040	mg/L	2026-02-19	
Phosphorus, total	< 0.050	N/A	0.050	mg/L	2026-02-19	
Potassium, total	**1.58**	N/A	0.10	mg/L	2026-02-19	
Selenium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-02-19	
Silicon, total	**10.0**	N/A	1.0	mg/L	2026-02-19	
Silver, total	< 0.000050	None Required	0.000050	mg/L	2026-02-19	
Sodium, total	**9.08**	AO ≤ 200	0.10	mg/L	2026-02-19	
Strontium, total	**0.131**	MAC = 7	0.0010	mg/L	2026-02-19	
Sulfur, total	< 3.0	N/A	3.0	mg/L	2026-02-19	
Tellurium, total	< 0.00050	N/A	0.00050	mg/L	2026-02-19	
Thallium, total	< 0.000020	N/A	0.000020	mg/L	2026-02-19	
Thorium, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Tin, total	< 0.00020	N/A	0.00020	mg/L	2026-02-19	
Titanium, total	< 0.0050	N/A	0.0050	mg/L	2026-02-19	
Tungsten, total	< 0.0010	N/A	0.0010	mg/L	2026-02-19	
Uranium, total	< 0.000020	MAC = 0.02	0.000020	mg/L	2026-02-19	
Vanadium, total	< 0.0050	N/A	0.0050	mg/L	2026-02-19	
Zinc, total	< 0.0040	AO ≤ 5	0.0040	mg/L	2026-02-19	
Zirconium, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Volatile Organic Compounds (VOC)						
Bromodichloromethane	**0.0055**	N/A	0.0010	mg/L	2026-02-24	

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26B1871
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-02-26 13:30

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
PRITCHARD SS (26B1871-07) | Matrix: Drinking Water | Sampled: 2026-02-17 10:30, Continued						
Volatile Organic Compounds (VOC), Continued						
Bromoform	< 0.0010	N/A	0.0010	mg/L	2026-02-24	
Chloroform	**0.0978**	N/A	0.0010	mg/L	2026-02-24	
Dibromochloromethane	< 0.0010	N/A	0.0010	mg/L	2026-02-24	
Surrogate: Toluene-d8	*91*		*70-130*	%	*2026-02-24*	
Surrogate: 4-Bromofluorobenzene	*84*		*70-130*	%	*2026-02-24*	
VINEYARD VIEW SS (26B1871-08) | Matrix: Drinking Water | Sampled: 2026-02-17 10:10						
Calculated Parameters						
Total Trihalomethanes	**0.100**	MAC = 0.1	0.00400	mg/L	N/A	
Hardness, Total (as CaCO3)	**96.3**	None Required	0.500	mg/L	N/A	
Langelier Index	**-0.3**	N/A	-5.0		2026-02-24	CT9
Field Parameters						
Chlorine, Free	**0.31**	N/A	0.02	mg/L	2026-02-17	
pH	**7.8**	7.0-10.5	0.1	pH units	2026-02-17	
Turbidity	**0.11**	OG < 1	0.10	NTU	2026-02-17	
General Parameters						
Alkalinity, Total (as CaCO3)	**93.4**	N/A	1.0	mg/L	2026-02-20	
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-02-20	
Alkalinity, Bicarbonate (as CaCO3)	**93.4**	N/A	1.0	mg/L	2026-02-20	
Alkalinity, Carbonate (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-02-20	
Alkalinity, Hydroxide (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-02-20	
Carbon, Total Organic	**3.54**	N/A	0.50	mg/L	2026-02-19	
Solids, Total Dissolved	**125**	AO ≤ 500	15	mg/L	2026-02-23	
Temperature, at pH	**21.0**	N/A		°C	2026-02-20	HT2
Haloacetic Acids						
Monochloroacetic Acid	< 0.0040	N/A	0.0020	mg/L	2026-02-24	RA3
Monobromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-02-24	
Dichloroacetic Acid	**0.0248**	N/A	0.0020	mg/L	2026-02-24	
Trichloroacetic Acid	**0.0285**	N/A	0.0020	mg/L	2026-02-24	
Dibromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-02-24	
Total Haloacetic Acids (HAA5)	**0.0533**	MAC = 0.08	0.00400	mg/L	N/A	
Surrogate: 2-Bromopropionic Acid	*125*		*70-130*	%	*2026-02-24*	
Microbiological Parameters						
Coliforms, Total	< 1	MAC = 0	1	CFU/100 mL	2026-02-18	
E. coli	< 1	MAC = 0	1	CFU/100 mL	2026-02-18	
Total Metals						
Aluminum, total	**0.0077**	OG < 0.1	0.0050	mg/L	2026-02-19	
Antimony, total	< 0.00020	MAC = 0.006	0.00020	mg/L	2026-02-19	

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26B1871
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-02-26 13:30

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
VINEYARD VIEW SS (26B1871-08) | Matrix: Drinking Water | Sampled: 2026-02-17 10:10, Continued						
Total Metals, Continued						
Arsenic, total	< 0.00050	MAC = 0.01	0.00050	mg/L	2026-02-19	
Barium, total	**0.0121**	MAC = 2	0.0050	mg/L	2026-02-19	
Beryllium, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Bismuth, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Boron, total	< 0.0500	MAC = 5	0.0500	mg/L	2026-02-19	
Cadmium, total	< 0.000010	MAC = 0.007	0.000010	mg/L	2026-02-19	
Calcium, total	**29.2**	None Required	0.20	mg/L	2026-02-19	
Chromium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-02-19	
Cobalt, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Copper, total	**0.00515**	MAC = 2	0.00040	mg/L	2026-02-19	
Iron, total	< 0.010	AO ≤ 0.1	0.010	mg/L	2026-02-19	
Lead, total	< 0.00020	MAC = 0.005	0.00020	mg/L	2026-02-19	
Lithium, total	**0.00263**	N/A	0.00010	mg/L	2026-02-19	
Magnesium, total	**5.65**	None Required	0.010	mg/L	2026-02-19	
Manganese, total	**0.00126**	MAC = 0.12	0.00020	mg/L	2026-02-19	
Molybdenum, total	**0.00164**	N/A	0.00010	mg/L	2026-02-19	
Nickel, total	**0.00051**	N/A	0.00040	mg/L	2026-02-19	
Phosphorus, total	< 0.050	N/A	0.050	mg/L	2026-02-19	
Potassium, total	**1.64**	N/A	0.10	mg/L	2026-02-19	
Selenium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-02-19	
Silicon, total	**10.5**	N/A	1.0	mg/L	2026-02-19	
Silver, total	< 0.000050	None Required	0.000050	mg/L	2026-02-19	
Sodium, total	**9.55**	AO ≤ 200	0.10	mg/L	2026-02-19	
Strontium, total	**0.129**	MAC = 7	0.0010	mg/L	2026-02-19	
Sulfur, total	< 3.0	N/A	3.0	mg/L	2026-02-19	
Tellurium, total	< 0.00050	N/A	0.00050	mg/L	2026-02-19	
Thallium, total	< 0.000020	N/A	0.000020	mg/L	2026-02-19	
Thorium, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Tin, total	< 0.00020	N/A	0.00020	mg/L	2026-02-19	
Titanium, total	< 0.0050	N/A	0.0050	mg/L	2026-02-19	
Tungsten, total	< 0.0010	N/A	0.0010	mg/L	2026-02-19	
Uranium, total	< 0.000020	MAC = 0.02	0.000020	mg/L	2026-02-19	
Vanadium, total	< 0.0050	N/A	0.0050	mg/L	2026-02-19	
Zinc, total	< 0.0040	AO ≤ 5	0.0040	mg/L	2026-02-19	
Zirconium, total	< 0.00010	N/A	0.00010	mg/L	2026-02-19	
Volatile Organic Compounds (VOC)						
Bromodichloromethane	**0.0047**	N/A	0.0010	mg/L	2026-02-24	
Bromoform	< 0.0010	N/A	0.0010	mg/L	2026-02-24	
Chloroform	**0.0955**	N/A	0.0010	mg/L	2026-02-24	
Dibromochloromethane	< 0.0010	N/A	0.0010	mg/L	2026-02-24	
Surrogate: Toluene-d8	*85*		*70-130*	%	*2026-02-24*	
Surrogate: 4-Bromofluorobenzene	*80*		*70-130*	%	*2026-02-24*	

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26B1871
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-02-26 13:30

Sample Qualifiers:

CT9	Results were based on lab temperature.
HT2	The 15 minute recommended holding time (from sampling to analysis) has been exceeded - field analysis is recommended.
RA3	The Reporting Limit has been raised due to comparable level detected in the blank(s).

APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26B1871
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-02-26 13:30

Analysis Description	Method Ref.	Technique	Accredited	Location
Alkalinity in Water	SM 2320 B* (2021)	Titration with H2SO4	✓	Kelowna
Ammonia, Total in Water	SM 4500-NH3 G* (2021)	Automated Colorimetry (Phenate)	✓	Kelowna
Carbon, Total Organic in Water	SM 5310 B (2022)	Combustion, Infrared CO2 Detection	✓	Kelowna
Coliforms, Total in Water	SM 9222* (2015)	Membrane Filtration / Chromocult Agar	✓	Kelowna
E. coli in Water	SM 9222* (2015)	Membrane Filtration / Chromocult Agar	✓	Kelowna
Haloacetic Acids in Water	EPA 552.3*	Liquid-Liquid Microextraction, Derivatization and GC-ECD	✓	Richmond
Hardness in Water	SM 2340 B* (2021)	Calculation: 2.497 [total Ca] + 4.118 [total Mg] (Est)	✓	N/A
Langelier Index in Water	SM 2330 B (2021)	Calculation		N/A
Nitrogen, Total Kjeldahl in Water	SM 4500-Norg D* (2021)	Block Digestion and Flow Injection Analysis	✓	Kelowna
Solids, Total Dissolved in Water	Solids in Water, Filtered / SM 2540 C* (2020)	Solids in Water, Filtered / Gravimetry (Dried at 103-105C)	✓	Kelowna
Total Metals in Water	EPA 200.2 / EPA 6020B	HNO3+HCl Hot Block Digestion / Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS)	✓	Richmond
Trihalomethanes in Water	EPA 5030B / EPA 8260D	Purge&Trap / GC-MSD (SIM)	✓	Richmond

Note: An asterisk in the Method Reference indicates that the method has been modified from the reference method

Glossary of Terms:

RL	Reporting Limit (default)
<	Less than the specified Reporting Limit (RL) - the actual RL may be higher than the default RL due to various factors
°C	Degrees Celcius
AO	Aesthetic Objective
CFU/100 mL	Colony Forming Units per 100 millilitres
MAC	Maximum Acceptable Concentration (health based)
mg/L	Milligrams per litre
NTU	Nephelometric Turbidity Units
OG	Operational Guideline (treated water)
pH units	pH < 7 = acidic, ph > 7 = basic
EPA	United States Environmental Protection Agency Test Methods
SM	Standard Methods for the Examination of Water and Wastewater, American Public Health Association

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REPORTED TO	West Kelowna, City of	**WORK ORDER**	26B1871
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-02-26 13:30

General Comments:

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Results in **Bold** indicate values that are above CARO's method reporting limits. Results in **red** indicate values above the regulatory limits where these have been included. Any Bold and/or highlighted results do not take into account method uncertainty. If you would like method uncertainty or regulatory limits to be included on your report, please contact your Account Manager: hhannaoui@caro.ca

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