CITY OF WEST KELOWNA

Monthly Water Quality Report

Rose Valley Water Service Area

May 2026

WATER SUPPLY AND TREATMENT

CITY OF
WEST
KELOWNA

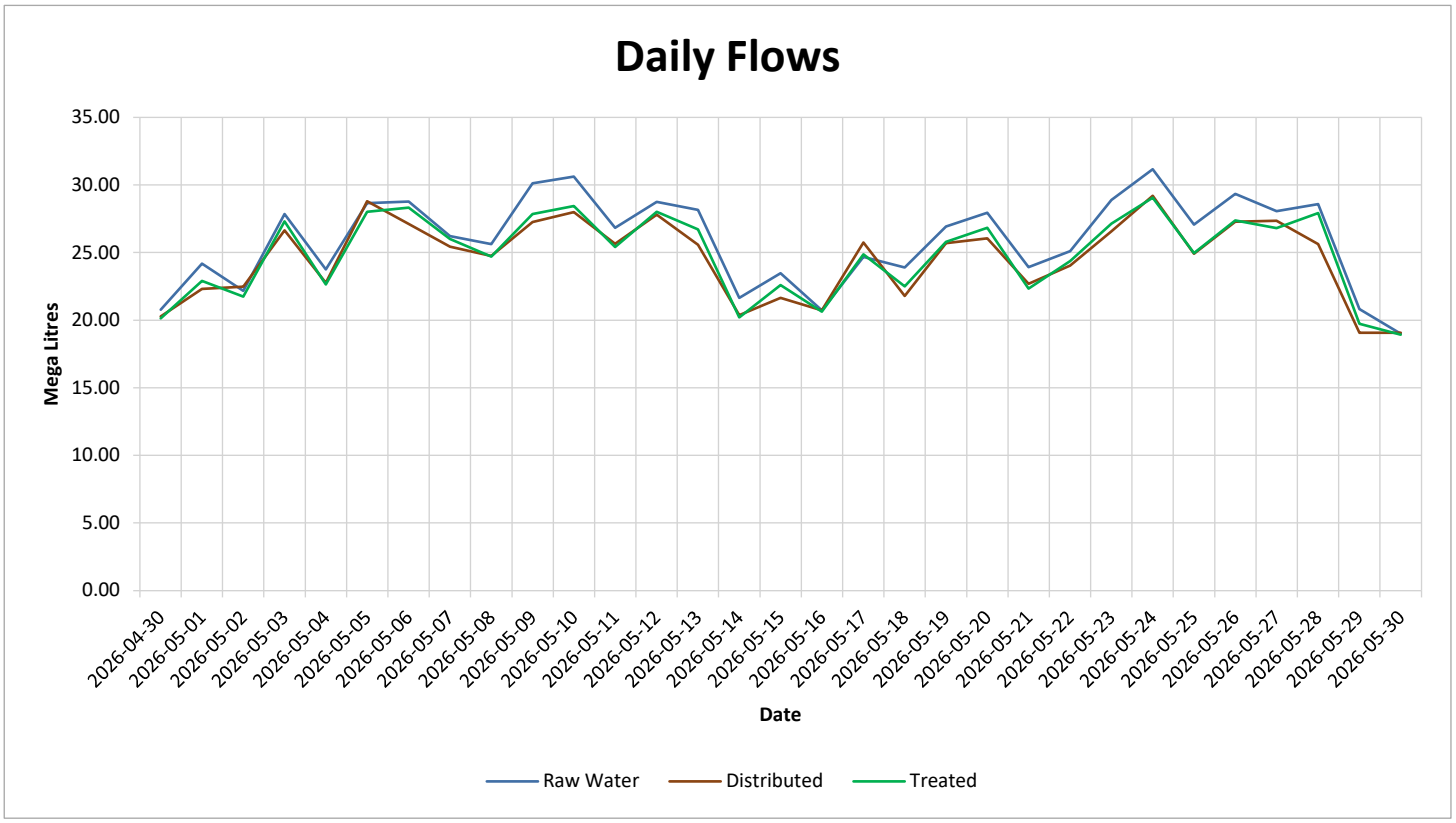
Rose Valley
Water Treatment Plant Monthly
Water Quality Summary

2026-06-03

May, 2026

Flow Demand:

	Total for Month	
Raw Processed Water:	803.72	ML
Treated Water :	770.23	ML
Distributed Water :	762.65	ML
Backwash Water :	45.81231	ML



Notes:

Raw Water Specifications:

	Raw Turbidity (NTU)			Raw pH		
Date	Min	Max	Average	Min	Max	Average
2026-05-01	0.28	1.21	0.52	7.55	7.62	7.58
2026-05-02	0.41	1.03	0.53	7.55	7.60	7.57
2026-05-03	0.31	0.92	0.47	7.54	7.60	7.57
2026-05-04	0.28	0.53	0.36	7.51	7.59	7.54
2026-05-05	0.28	1.06	0.40	7.51	7.57	7.54
2026-05-06	0.30	0.78	0.37	7.49	7.66	7.54
2026-05-07	0.28	14.56	0.51	7.48	7.62	7.52
2026-05-08	0.27	14.61	0.47	7.48	7.58	7.52
2026-05-09	0.12	0.36	0.20	7.46	7.57	7.51
2026-05-10	0.12	0.31	0.21	7.39	7.55	7.47
2026-05-11	0.20	0.81	0.33	7.44	7.70	7.50
2026-05-12	0.36	1.20	0.44	7.43	7.48	7.45
2026-05-13	0.43	1.38	0.51	7.41	7.46	7.43
2026-05-14	0.27	0.81	0.39	7.38	7.46	7.42
2026-05-15	0.22	0.55	0.37	7.43	7.56	7.48
2026-05-16	0.33	1.16	0.45	7.38	7.53	7.45
2026-05-17	0.35	0.94	0.42	7.39	7.46	7.42
2026-05-18	0.32	0.73	0.45	7.37	7.50	7.42
2026-05-19	0.42	6.61	0.53	7.38	7.47	7.42
2026-05-20	0.31	0.85	0.45	7.40	7.71	7.60
2026-05-21	0.23	10.80	0.47	7.65	7.70	7.67
2026-05-22	0.65	46.25	0.85	7.61	7.70	7.65
2026-05-23	0.83	11.35	1.04	7.58	7.71	7.64
2026-05-24	1.06	1.94	1.29	7.57	7.76	7.66
2026-05-25	0.86	18.42	1.24	7.60	7.68	7.63
2026-05-26	0.85	131.27	1.12	7.55	7.67	7.59
2026-05-27	0.94	1.74	1.30	7.58	7.71	7.62
2026-05-28	0.98	2.36	1.55	7.52	7.71	7.60
2026-05-29	0.00	31.64	1.59	7.47	7.75	7.60
2026-05-30	0.00	13.34	1.49	7.47	7.74	7.62
2026-05-31	0.00	13.53	1.65	7.54	7.72	7.63

Notes:

Raw Water Specifications (Continued):

	Raw Temp (˚C)			Raw DOC (mg/L)		
Date	Min	Max	Average	Min	Max	Average
2026-05-01	8.31	9.19	8.70	14.46	16.51	15.34
2026-05-02	8.46	8.93	8.70	14.60	17.19	15.34
2026-05-03	8.52	9.08	8.82	14.46	17.63	15.32
2026-05-04	8.46	9.04	8.73	0.00	116.29	15.41
2026-05-05	8.56	8.87	8.71	13.68	22.47	15.41
2026-05-06	8.54	10.09	8.87	14.11	16.51	15.33
2026-05-07	8.61	10.02	8.94	14.46	18.51	15.37
2026-05-08	8.73	10.12	8.95	14.46	17.88	15.35
2026-05-09	8.56	9.68	9.02	14.85	17.78	15.44
2026-05-10	8.03	10.00	8.96	14.11	17.09	15.42
2026-05-11	8.71	11.59	9.37	14.65	16.70	15.51
2026-05-12	8.91	9.73	9.23	14.99	116.24	15.50
2026-05-13	8.91	9.82	9.27	14.99	15.97	15.40
2026-05-14	8.65	10.21	9.35	13.33	16.51	15.52
2026-05-15	8.67	11.61	9.79	12.75	42.39	15.64
2026-05-16	8.88	10.94	9.85	12.36	20.32	15.59
2026-05-17	9.23	10.62	9.96	14.11	17.05	15.59
2026-05-18	9.10	11.11	10.03	14.75	18.66	15.55
2026-05-19	9.64	10.73	10.09	14.80	116.29	15.61
2026-05-20	9.58	10.65	10.20	0.00	116.29	14.72
2026-05-21	9.78	10.63	10.32	12.89	14.99	13.94
2026-05-22	10.02	10.79	10.42	12.94	16.02	13.99
2026-05-23	9.49	11.40	10.48	12.99	15.58	14.01
2026-05-24	9.31	12.00	10.77	13.38	16.56	14.12
2026-05-25	9.93	11.20	10.74	13.63	46.79	14.15
2026-05-26	0.00	14.42	10.70	13.09	21.20	14.14
2026-05-27	10.38	11.08	10.82	0.98	104.32	13.59
2026-05-28	10.64	11.50	10.92	11.43	15.29	14.08
2026-05-29	10.27	12.65	11.24	13.38	15.09	14.14
2026-05-30	10.51	12.08	11.41	12.84	15.43	14.22
2026-05-31	11.23	12.75	12.24	13.68	15.34	14.14

Notes:

Raw Water Specifications (Continued):

	Raw Cond R (µS/cm)			Streaming Current		
Date	Min	Max	Average	Min	Max	Average
2026-05-01	188.80	197.19	193.01	-10.87	156.17	22.90
2026-05-02	189.96	195.18	193.08	-3.05	27.96	12.70
2026-05-03	188.39	195.06	192.14	-4.52	29.18	14.65
2026-05-04	189.57	194.54	192.07	-20.15	53.85	16.37
2026-05-05	188.88	194.49	191.96	-33.33	34.80	5.55
2026-05-06	187.79	193.35	191.05	-225.27	91.94	-5.83
2026-05-07	187.53	193.26	190.32	-34.07	22.10	-3.03
2026-05-08	187.73	193.54	191.44	-215.75	146.15	9.88
2026-05-09	187.92	194.13	190.91	-14.04	53.85	35.28
2026-05-10	187.17	195.10	190.50	-238.71	107.08	19.73
2026-05-11	183.45	193.37	189.35	-183.27	37.00	9.10
2026-05-12	187.54	192.25	189.81	-226.01	43.83	-0.28
2026-05-13	188.18	192.66	190.33	-103.66	52.14	25.68
2026-05-14	187.81	193.22	190.29	-211.60	50.18	20.12
2026-05-15	184.00	196.39	190.02	-142.74	26.98	-5.92
2026-05-16	195.03	206.25	200.34	-206.72	59.46	-26.50
2026-05-17	195.53	201.26	197.88	-29.18	9.40	-12.08
2026-05-18	194.76	201.52	198.21	-203.05	62.88	7.70
2026-05-19	197.14	202.33	199.79	-224.05	55.80	15.24
2026-05-20	195.31	201.38	198.43	-14.04	34.80	13.64
2026-05-21	196.97	201.65	198.93	-0.12	42.61	23.05
2026-05-22	193.48	201.15	197.22	-8.67	38.95	13.73
2026-05-23	191.65	201.42	195.51	-204.27	115.87	19.53
2026-05-24	192.11	204.24	197.54	11.84	51.65	28.53
2026-05-25	195.38	201.66	198.08	-70.70	44.81	27.09
2026-05-26	197.54	206.25	202.20	-6.23	26.98	11.50
2026-05-27	197.58	216.32	205.86	-11.11	19.66	7.55
2026-05-28	205.75	218.55	213.80	-28.45	182.05	-0.70
2026-05-29	198.11	214.89	205.93	-78.51	16.73	-5.61
2026-05-30	196.87	207.43	202.83	-236.75	31.14	-17.58
2026-05-31	195.86	204.24	200.34	-30.16	12.33	-10.42

Notes:

Raw Water Specifications (Continued):

	Coagulated pH			Coagulated Temp (˚C)		
Date	Min	Max	Average	Min	Max	Average
2026-05-01	7.37	7.60	7.54	8.50	10.53	9.36
2026-05-02	7.40	7.50	7.45	10.42	10.93	10.67
2026-05-03	7.40	7.60	7.53	8.44	10.85	9.44
2026-05-04	7.48	7.54	7.51	9.06	10.96	10.01
2026-05-05	7.47	7.60	7.55	8.17	10.85	9.14
2026-05-06	7.55	7.84	7.61	8.33	10.27	8.80
2026-05-07	7.58	7.63	7.60	8.34	9.78	8.81
2026-05-08	7.49	7.59	7.53	8.71	10.65	9.84
2026-05-09	7.46	7.52	7.49	8.93	10.73	9.48
2026-05-10	7.48	7.57	7.50	8.71	9.80	9.36
2026-05-11	7.45	7.57	7.53	8.56	11.13	9.24
2026-05-12	7.52	7.70	7.56	8.70	9.52	9.08
2026-05-13	7.48	7.54	7.51	9.02	9.81	9.31
2026-05-14	7.41	7.76	7.51	8.43	9.93	9.25
2026-05-15	7.50	7.55	7.53	8.42	11.26	9.64
2026-05-16	7.51	7.65	7.53	9.11	10.79	9.86
2026-05-17	7.45	7.52	7.50	9.23	10.93	10.01
2026-05-18	7.41	7.47	7.44	9.70	11.33	10.75
2026-05-19	7.37	7.40	7.39	11.12	11.50	11.38
2026-05-20	7.30	7.56	7.43	9.26	11.52	10.31
2026-05-21	7.46	7.53	7.49	9.46	10.37	10.01
2026-05-22	7.45	7.50	7.47	9.67	10.43	10.11
2026-05-23	7.41	7.73	7.49	9.20	10.98	10.12
2026-05-24	7.48	7.54	7.51	9.20	11.64	10.66
2026-05-25	7.48	7.52	7.50	10.23	11.12	10.75
2026-05-26	7.45	7.54	7.49	9.84	11.06	10.56
2026-05-27	7.48	7.52	7.50	10.14	10.85	10.56
2026-05-28	7.09	7.52	7.49	10.29	11.02	10.59
2026-05-29	7.48	7.54	7.51	9.67	11.96	10.65
2026-05-30	7.47	7.68	7.52	10.15	11.30	10.82
2026-05-31	7.49	7.53	7.51	10.35	11.09	10.77

Notes:

Raw Water Specifications (Continued):

	Raw Cond Y (µS/cm)			Raw Water DO (mg/L)		
Date	Min	Max	Average	Min	Max	Average
2026-05-01	134.67	137.01	135.56	9.23	9.50	9.37
2026-05-02	134.73	136.37	135.43	9.11	9.47	9.30
2026-05-03	134.79	136.07	135.50	9.08	9.37	9.25
2026-05-04	17.26	136.26	135.38	9.01	9.29	9.18
2026-05-05	41.63	135.62	134.93	9.04	9.35	9.18
2026-05-06	134.29	137.36	135.59	8.76	9.63	9.05
2026-05-07	132.65	137.88	134.80	8.83	9.68	9.05
2026-05-08	21.20	137.29	134.54	8.47	9.23	8.93
2026-05-09	134.31	137.02	135.16	8.69	9.21	8.85
2026-05-10	133.63	136.03	135.14	7.98	9.27	8.69
2026-05-11	134.67	140.06	136.15	8.54	9.52	8.80
2026-05-12	14.95	136.62	135.64	8.29	9.83	8.56
2026-05-13	134.63	137.14	135.68	8.19	8.50	8.33
2026-05-14	15.86	137.98	135.87	8.03	8.53	8.26
2026-05-15	26.73	140.39	137.06	7.96	8.93	8.43
2026-05-16	134.87	138.95	136.78	8.07	8.95	8.49
2026-05-17	135.54	138.01	137.00	7.89	8.80	8.30
2026-05-18	134.96	139.29	137.47	7.72	8.31	7.97
2026-05-19	27.35	139.96	138.06	7.61	8.15	7.87
2026-05-20	1.84	139.50	136.98	7.57	8.83	7.80
2026-05-21	136.63	138.12	137.59	7.46	7.83	7.62
2026-05-22	51.53	138.90	137.73	7.22	8.69	7.48
2026-05-23	136.72	138.63	137.94	6.86	7.68	7.34
2026-05-24	136.05	139.24	138.03	6.97	8.03	7.52
2026-05-25	137.11	140.89	138.52	7.16	8.69	7.50
2026-05-26	8.08	140.02	138.44	7.15	8.27	7.41
2026-05-27	13.73	140.61	139.22	7.09	7.58	7.29
2026-05-28	20.74	143.08	141.08	7.00	7.46	7.21
2026-05-29	138.79	142.57	140.63	6.65	7.77	7.11
2026-05-30	138.99	141.58	140.24	6.66	7.43	7.09
2026-05-31	139.78	142.02	140.84	6.77	7.31	6.99

Notes:

Raw Water Specifications (Continued):

	Raw Manganese (ppm)		
Date	Min	Max	Average
2026-05-01	???	???	0.41
2026-05-02	???	???	0.41
2026-05-03	???	???	0.41
2026-05-04	???	???	0.41
2026-05-05	???	???	0.41
2026-05-06	???	???	0.41
2026-05-07	???	???	0.41
2026-05-08	???	???	0.41
2026-05-09	???	???	0.41
2026-05-10	???	???	0.41
2026-05-11	???	???	0.41
2026-05-12	???	???	0.41
2026-05-13	???	???	0.41
2026-05-14	???	???	0.41
2026-05-15	???	???	0.41
2026-05-16	???	???	0.41
2026-05-17	???	???	0.41
2026-05-18	???	???	0.41
2026-05-19	???	???	0.41
2026-05-20	???	???	0.41
2026-05-21	???	???	0.41
2026-05-22	???	???	0.41
2026-05-23	???	???	0.41
2026-05-24	???	???	0.41
2026-05-25	???	???	0.41
2026-05-26	???	???	0.12
2026-05-27	0.00	0.38	0.13
2026-05-28	0.15	0.41	0.33
2026-05-29	0.20	0.42	0.35
2026-05-30	0.00	0.59	0.34
2026-05-31	0.31	0.42	0.34

Notes:

Manganese analyzer back online May 27th.

Train 1 Filter Turbidity (NTU):

	Filter 1			Filter 2			Filter 3		
Date	Min	Max	Average	Min	Max	Average	Min	Max	Average
2026-05-01	0.01	0.05	0.02	0.01	0.02	0.01	0.01	0.04	0.02
2026-05-02	0.01	0.06	0.02	0.01	0.02	0.01	0.01	0.04	0.02
2026-05-03	0.01	0.04	0.02	0.01	0.02	0.01	0.01	0.04	0.02
2026-05-04	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.05	0.01
2026-05-05	0.01	0.04	0.01	0.01	0.02	0.01	0.01	0.02	0.01
2026-05-06	0.01	0.03	0.01	0.01	0.02	0.01	0.01	0.04	0.01
2026-05-07	0.01	0.04	0.01	0.01	0.02	0.01	0.01	0.04	0.02
2026-05-08	0.01	0.04	0.01	0.01	0.02	0.01	0.01	0.03	0.02
2026-05-09	0.01	0.03	0.01	0.01	0.01	0.01	0.01	0.04	0.01
2026-05-10	0.01	0.05	0.01	0.01	0.02	0.01	0.01	0.03	0.01
2026-05-11	0.01	0.04	0.02	0.01	0.01	0.01	0.01	0.03	0.01
2026-05-12	0.01	0.04	0.02	0.01	0.02	0.01	0.01	0.02	0.01
2026-05-13	0.01	0.05	0.02	0.01	0.02	0.01	0.01	0.04	0.01
2026-05-14	0.01	0.04	0.02	0.01	0.01	0.01	0.01	0.02	0.01
2026-05-15	0.01	0.04	0.02	0.01	0.01	0.01	0.01	0.03	0.01
2026-05-16	0.02	0.03	0.02	0.01	0.02	0.01	0.01	0.03	0.01
2026-05-17	0.01	0.03	0.02	0.01	0.01	0.01	0.01	0.03	0.01
2026-05-18	0.01	0.05	0.02	0.01	0.02	0.01	0.01	0.03	0.01
2026-05-19	0.01	0.03	0.02	0.01	0.02	0.01	0.01	0.03	0.01
2026-05-20	0.01	0.02	0.01	0.01	0.02	0.01	0.01	0.03	0.01
2026-05-21	0.01	0.02	0.01	0.01	0.02	0.01	0.01	0.02	0.02
2026-05-22	0.01	0.03	0.02	0.01	0.01	0.01	0.01	0.03	0.02
2026-05-23	0.02	0.04	0.02	0.01	0.01	0.01	0.01	0.03	0.02
2026-05-24	0.02	0.03	0.02	0.01	0.01	0.01	0.01	0.03	0.02
2026-05-25	0.01	0.03	0.02	0.01	0.01	0.01	0.01	0.03	0.02
2026-05-26	0.01	0.03	0.02	0.01	0.01	0.01	0.01	0.03	0.02
2026-05-27	0.01	0.03	0.02	0.01	0.01	0.01	0.01	0.05	0.01
2026-05-28	0.01	0.04	0.02	0.00	0.01	0.01	0.01	0.03	0.01
2026-05-29	0.01	0.03	0.02	0.01	0.01	0.01	0.01	0.02	0.01
2026-05-30	0.01	0.03	0.02	0.01	0.02	0.01	0.01	0.04	0.02
2026-05-31	0.01	0.04	0.02	0.01	0.02	0.01	0.01	0.03	0.02

Notes:

Train 2 Filter Turbidity (NTU)

	Filter 4			Filter 5			Filter 6		
Date	Min	Max	Average	Min	Max	Average	Min	Max	Average
2026-05-01	0.01	0.03	0.02	0.01	0.03	0.02	0.01	0.05	0.02
2026-05-02	0.01	0.03	0.02	0.01	0.03	0.02	0.01	0.04	0.02
2026-05-03	0.01	0.03	0.02	0.01	0.03	0.01	0.01	0.04	0.02
2026-05-04	0.01	0.03	0.02	0.01	0.02	0.01	0.01	0.04	0.02
2026-05-05	0.01	0.04	0.02	0.01	0.03	0.01	0.02	0.05	0.02
2026-05-06	0.01	0.03	0.02	0.01	0.03	0.01	0.02	0.03	0.02
2026-05-07	0.01	0.04	0.02	0.01	0.03	0.01	0.01	0.04	0.02
2026-05-08	0.01	0.03	0.02	0.01	0.03	0.02	0.02	0.05	0.02
2026-05-09	0.01	0.05	0.02	0.01	0.03	0.02	0.02	0.04	0.02
2026-05-10	0.01	0.03	0.02	0.01	0.03	0.02	0.02	0.04	0.02
2026-05-11	0.01	0.04	0.02	0.01	0.03	0.01	0.02	0.03	0.02
2026-05-12	0.01	0.04	0.02	0.01	0.02	0.01	0.02	0.04	0.02
2026-05-13	0.01	0.04	0.02	0.01	0.03	0.01	0.02	0.05	0.02
2026-05-14	0.01	0.04	0.02	0.01	0.04	0.01	0.01	0.04	0.02
2026-05-15	0.01	0.04	0.02	0.01	0.03	0.02	0.02	0.03	0.02
2026-05-16	0.01	0.05	0.02	0.01	0.06	0.02	0.02	0.05	0.02
2026-05-17	0.01	0.04	0.02	0.01	0.05	0.02	0.01	0.07	0.02
2026-05-18	0.01	0.03	0.02	0.01	0.04	0.02	0.02	0.04	0.02
2026-05-19	0.01	0.03	0.02	0.01	0.04	0.01	0.02	0.04	0.02
2026-05-20	0.01	0.04	0.02	0.01	0.03	0.01	0.02	0.03	0.02
2026-05-21	0.01	0.03	0.02	0.01	0.03	0.02	0.02	0.04	0.02
2026-05-22	0.01	0.03	0.02	0.01	0.03	0.02	0.02	0.04	0.02
2026-05-23	0.01	0.03	0.02	0.01	0.03	0.02	0.02	0.04	0.03
2026-05-24	0.01	0.03	0.02	0.02	0.03	0.02	0.02	0.07	0.03
2026-05-25	0.02	0.03	0.02	0.01	0.03	0.02	0.02	0.05	0.03
2026-05-26	0.01	0.03	0.02	0.01	0.02	0.02	0.02	0.05	0.03
2026-05-27	0.01	0.03	0.02	0.01	0.02	0.02	0.02	0.04	0.03
2026-05-28	0.01	0.02	0.02	0.01	0.02	0.01	0.02	0.05	0.02
2026-05-29	0.02	0.04	0.02	0.01	0.03	0.01	0.02	0.06	0.02
2026-05-30	0.01	0.03	0.02	0.01	0.02	0.01	0.02	0.03	0.02
2026-05-31	0.01	0.03	0.02	0.01	0.02	0.01	0.01	0.05	0.01

Notes:

UV Treatment:

Date	Average Flow (L/s)	Avg Validated Dose (mj/cm2)	Undosed Flow (ML)
2026-05-01	273.11	21.93	0.0001
2026-05-02	307.21	21.33	0.0000
2026-05-03	292.79	21.54	0.0000
2026-05-04	326.97	20.72	0.0000
2026-05-05	360.72	19.70	0.0000
2026-05-06	273.47	19.75	0.0000
2026-05-07	319.34	18.56	0.0000
2026-05-08	345.07	20.28	0.0001
2026-05-09	335.08	18.72	0.0000
2026-05-10	322.70	20.40	0.0001
2026-05-11	335.09	18.39	0.0000
2026-05-12	339.72	19.51	0.0000
2026-05-13	254.52	21.14	0.0000
2026-05-14	275.92	21.69	0.0001
2026-05-15	246.63	19.42	0.0000
2026-05-16	287.47	20.12	0.0001
2026-05-17	270.63	20.90	0.0000
2026-05-18	310.62	20.59	0.0007
2026-05-19	325.75	19.82	0.0000
2026-05-20	279.00	21.13	0.0000
2026-05-21	300.84	20.44	0.0000
2026-05-22	322.21	19.99	0.0000
2026-05-23	381.11	19.67	0.0000
2026-05-24	307.55	21.02	0.0000
2026-05-25	349.31	19.82	0.0000
2026-05-26	333.77	19.67	0.0000
2026-05-27	326.41	19.59	0.0000
2026-05-28	264.66	21.49	0.0000
2026-05-29	222.17	20.12	0.0000
2026-05-30	239.14	21.20	0.0001
2026-05-31	271.49	21.33	0.0000

Monthly Total (ML): 0.0011

% of monthly water that was not UV treated: 0.000%

Notes:

UV Transmittance %:

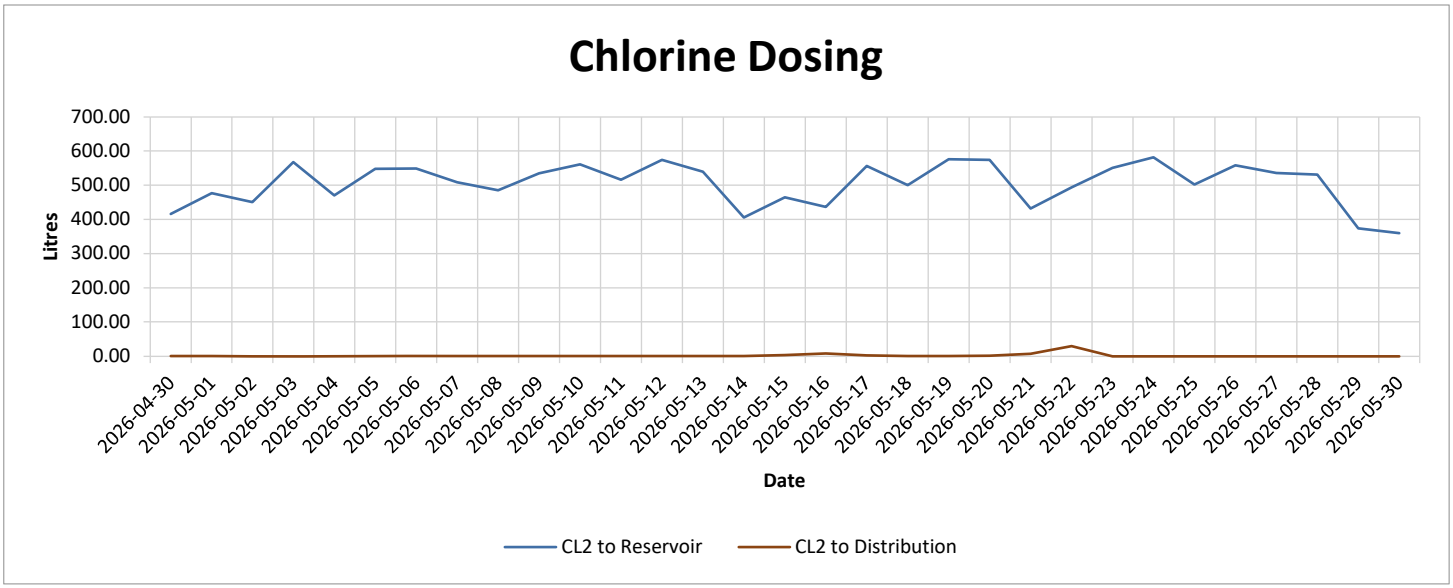
Date	Min	Max	Average
2026-05-01	87.55	89.45	88.84
2026-05-02	87.67	89.30	88.55
2026-05-03	87.96	89.28	88.75
2026-05-04	87.35	89.40	88.85
2026-05-05	84.44	89.18	88.50
2026-05-06	87.40	89.45	88.49
2026-05-07	86.74	88.82	88.09
2026-05-08	87.91	89.11	88.53
2026-05-09	87.96	90.06	89.05
2026-05-10	88.42	89.40	88.85
2026-05-11	87.64	89.16	88.38
2026-05-12	87.11	88.74	88.22
2026-05-13	87.72	89.30	88.55
2026-05-14	88.03	89.18	88.67
2026-05-15	86.37	89.06	87.99
2026-05-16	86.32	87.79	87.19
2026-05-17	86.64	88.33	87.52
2026-05-18	87.06	88.91	88.14
2026-05-19	87.72	88.79	88.24
2026-05-20	87.35	89.06	88.16
2026-05-21	87.52	90.33	88.90
2026-05-22	87.11	89.72	88.99
2026-05-23	87.42	89.47	88.80
2026-05-24	88.18	89.57	88.82
2026-05-25	88.30	89.60	88.96
2026-05-26	88.21	89.40	88.81
2026-05-27	87.64	89.65	88.83
2026-05-28	88.08	89.84	89.03
2026-05-29	87.67	89.94	89.03
2026-05-30	87.79	89.82	88.84
2026-05-31	87.91	89.69	88.82

Notes:

Chemical Demand:

Chlorine Used:

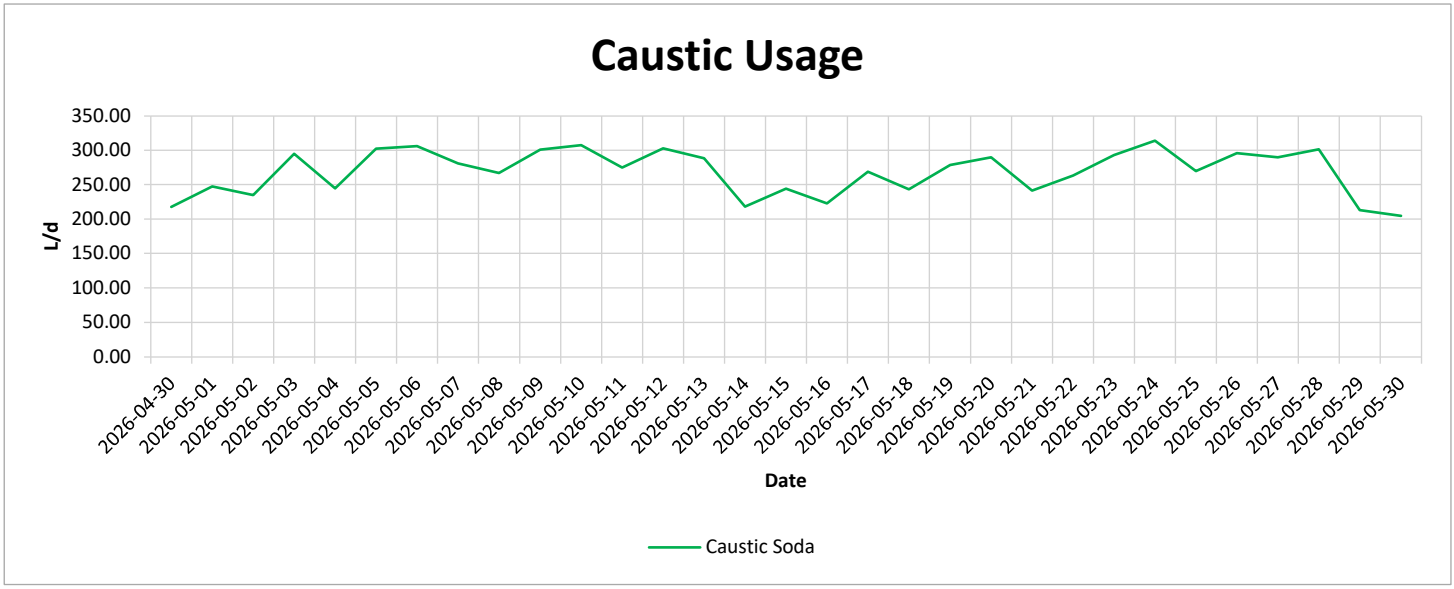
Total for Month
15680.38 Litres



Notes:

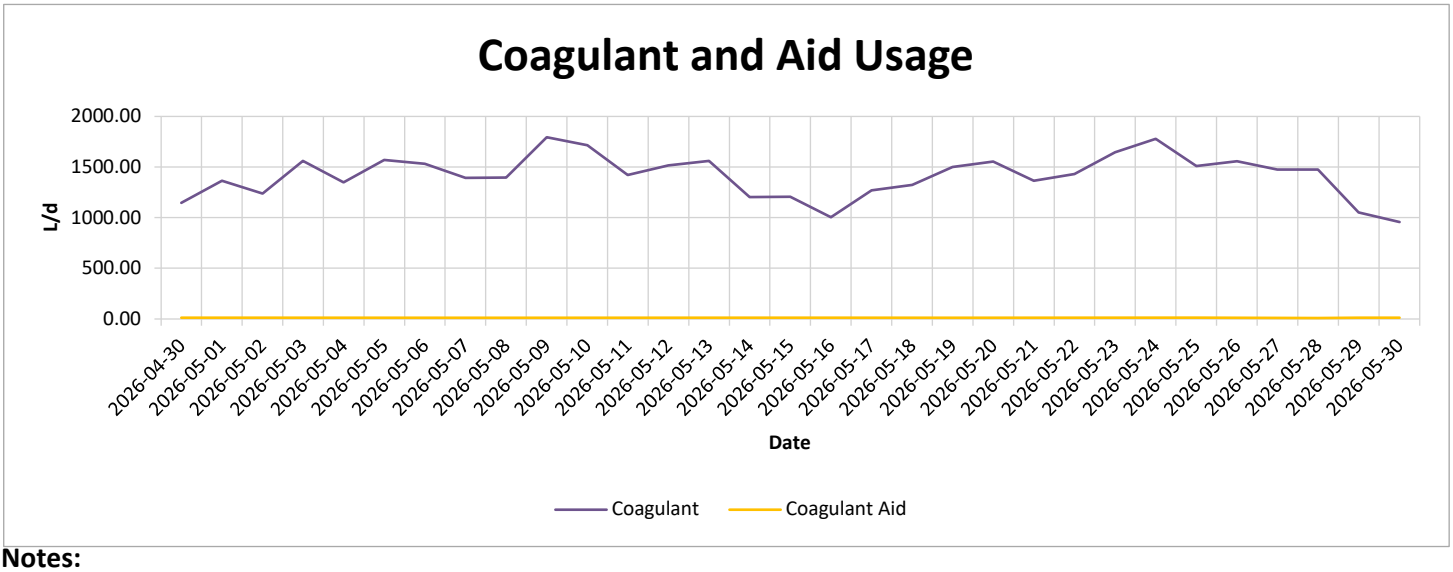
Casutic Soda Used:

Total for Month
8317.77 Litres



Notes:

	Total for Month	
Coagulant Used:	43814.17	Litres
Coagulant Aid Used:	300.24	Litres

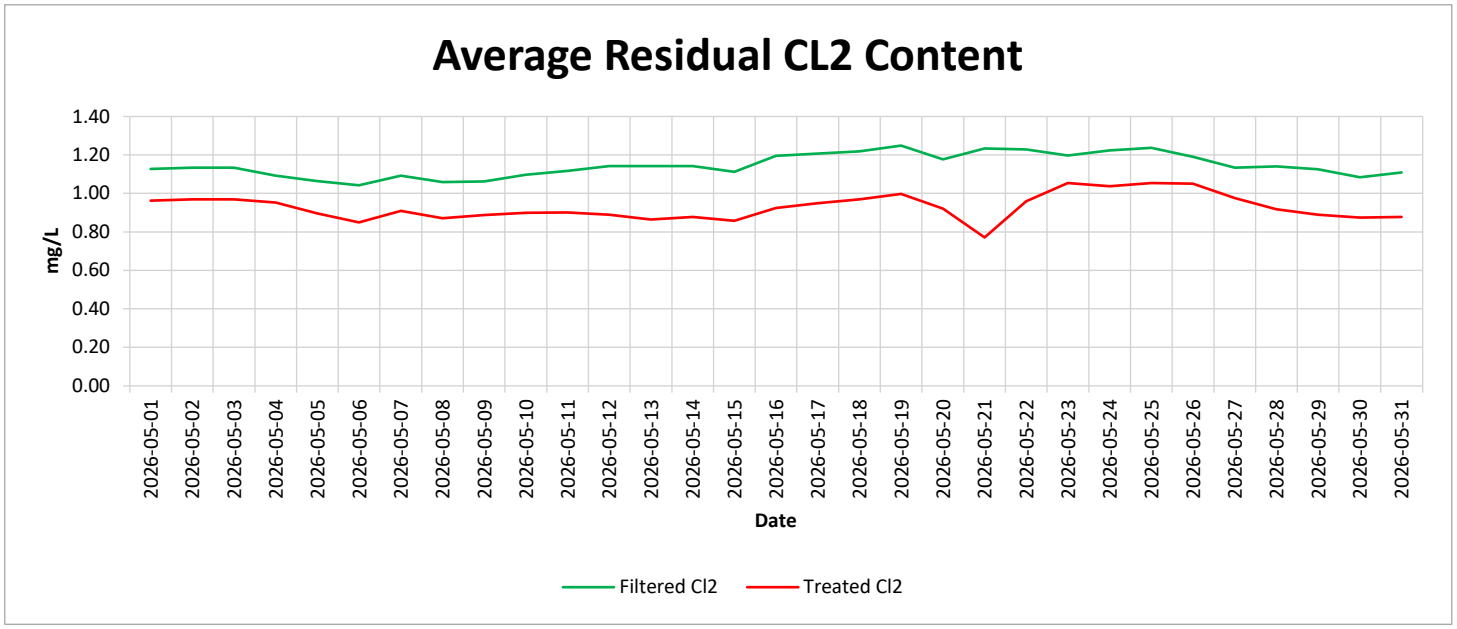


Notes:

	Total for Month	
Polymer @ .2% Concentration:	117569.59	Litres
Polymer @ .5% Concentration:	120395.65	Litres

Chlorine Dose

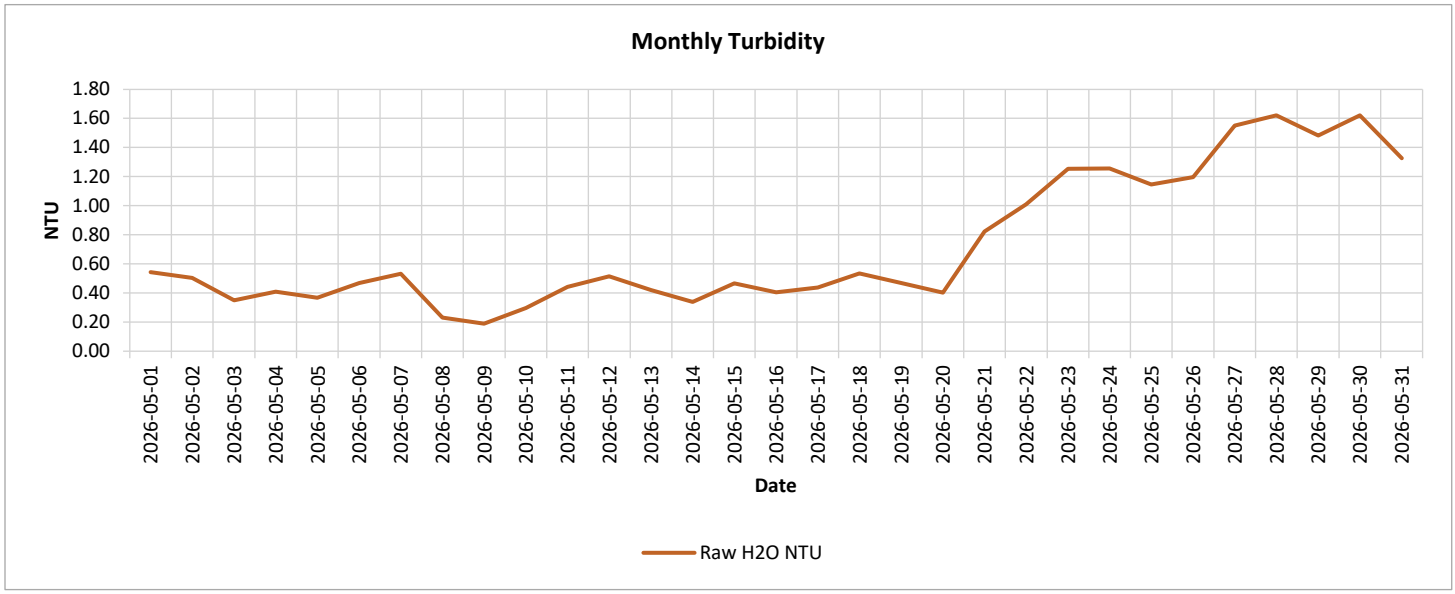
Filtered Water Residual Cl2 Average (mg/L):	1.15	mg/L
Treated Water (Distributed) Cl2 Average (mg/L):	0.93	mg/L



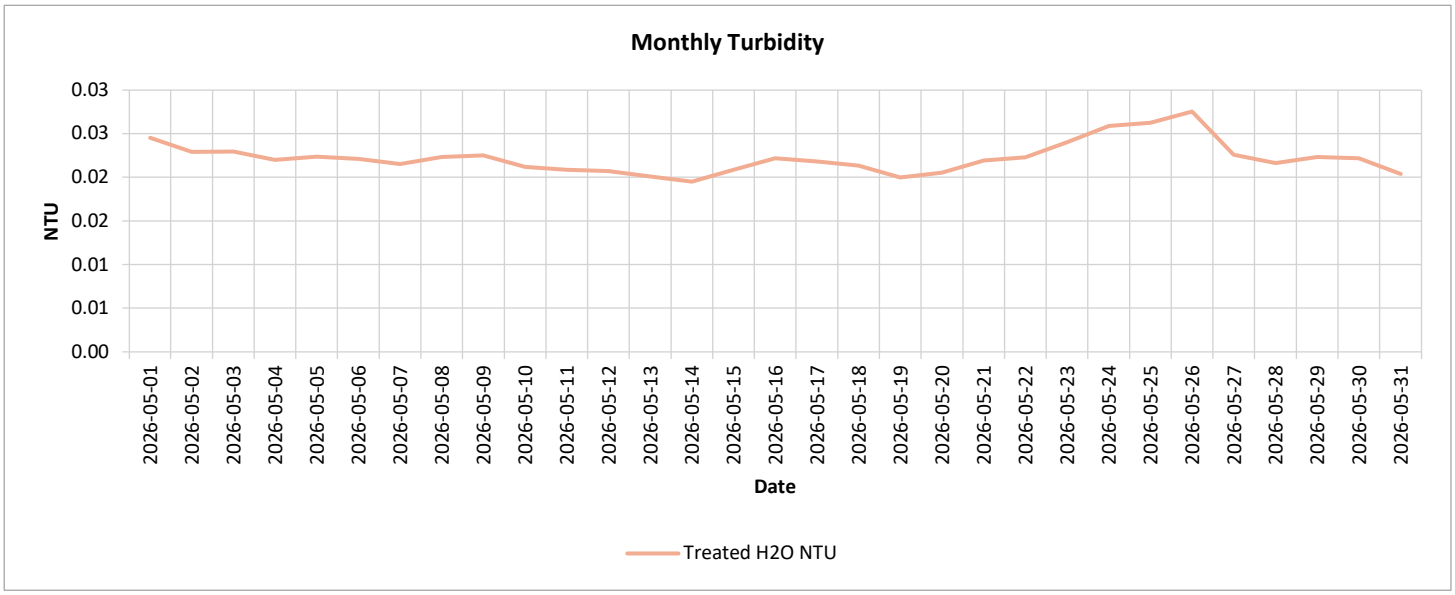
Water Quality Analytics:

Turbidity

Raw Water Monthly Average: 0.73 NTU



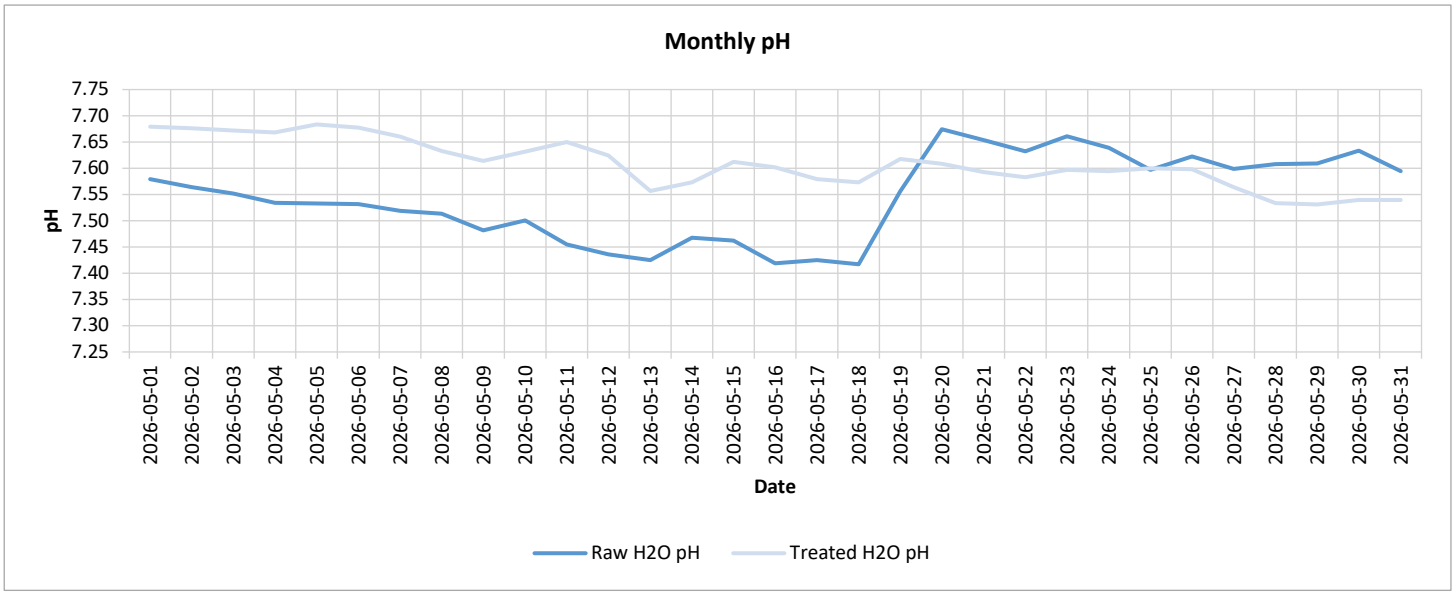
Treated Water Monthly Average: 0.02 NTU



Notes:

pH

Raw Water Monthly Average:	7.54	pH
Treated Water Monthly Average:	7.61	pH



Notes:

Rose Valley WTP Operational Highlights:

May 1st - Flushed raw water permanganate pumps and performed pre-inspection

May 4th - Raw water Mn analyzer put back in service at the RV Dam building.

May 5th - Install and start to program a larger Sodium Hypochlorite pump to prepare for dilution. Installed flushable cartridge filter on 600mm static mix line to prevent control lines on PRV from fouling. Turned on Legacy aeration system at RVD as per aeration group.

May 8th - ACH delivery today. Potassium Permanganate equipment arrived for storage today.

May 14th - Cleaned and flushed trim carrier water line after backflow replacement.

May 19th - Increased all backwash times to 9.5minutes. Cleaned all treated water instruments, calibrated if necessary. Programmed coagulant dosing loop based on Mag meter on coagulant line.

May 20th - Clean and calibrated all pH analyzers.

May 21st - New surface scatter NTU unit online local only until communication can be established.

May 22nd - Daf 3 skimmer shocks replaced due to weak springs.

May 26th - Raw water Mn analyzer turned back on at Raw Water Panel in plant. ACH order arrived.

May 27th - Raw water permanganate system commissioned and turned on for season.

May 29th - Sodium Hydroxide order arrived today. Window cleaners onsite for exterior and interior of plant.

Rose Valley Watershed Operational Highlights:

Rose Valley
May 4th level is 596.54m
May 20th Completed Piezometers

Bighorn
May 6th level is 1356.7m
May 19th full pool 1357.5m Spilling 0.07m over sill

BCI/Rotork
May 7th good flow over BCI 4 tiers Rotork is 15% open
May 11th flow over BCI 3 tiers Rotork is 30% open
May 26th flow over BCI 3 tiers

Esperon
May 19th Full and spilling
May 26th full and spilling

Dam inspections completed weekly

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

CITY OF
WEST
KELOWNA

Rose Valley Water Service Area - Distribution System Monitoring

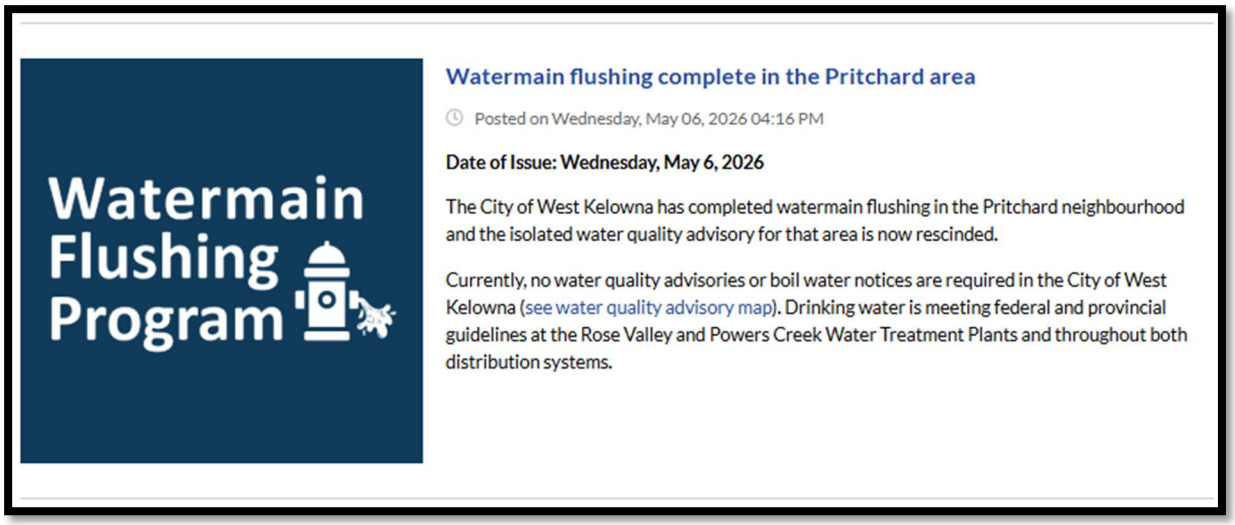
May 2026

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 May.
- May Bacteriological sampling summery:
    - 26 samples to CARO for analysis
    - 34 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*.
- May 12, 2026 – Quarterly water quality sampling was completed, the certificate of analysis is attached in Appendix A. All parameters measured were within the Guidelines for Canadian Drinking Water Quality.
- May 13, 2026 – Menu PS high strength hypo stock was topped up and tested, concentration changed to 6.5% on the PLC.
- May 22, 2026 – Lower Boucherie PS high strength hypo stock was topped up and tested, concentration changed to 3.6% on the PLC.
- May 22, 2026 – Lakeview Cove PS re-chlorination hypo concentration adjusted to 9.8%.
    - May 22, 2026 – Lakeview Cove PS online FCR analyser calibration decreased 0.31mg/L.
- May 27, 2026 – Lower Boucherie PS re-chlorination hypo concentration adjusted to 3.2%.
- May 27, 2026 – Rosewood PS online FCR analyser calibration decreased 0.24mg/L.
- May 29, 2026 – Lakeview Cove PS the sample line to the online water quality analysers was momentarily closed leading to a temporary trending spike. All parameters resumed their normal outputs and trending during this time of the sensor disturbance were not representative of the actual water quality.

Operational System Improvements/Events

- May 4, 2026 – The McPhail Reservoir fill configuration was changed from the Blackwood Reservoir/Pump System to the Rosewood Reservoir via the Westlake Interconnect. As a result, the Blackwood Pump Station and its associated FCR analyzer will remain in standby mode during the high-flow season and will be excluded from performance trending and analysis for this period.
- May 4, 2026 – Pinewoods PS the flow switch on pump #1 was replaced.
- May 4, 2026 – 3167 Vector Rd curb stop replacement was completed by City crews, service disruption to only the one property.
- May 6, 2026 – Pritchard neighborhood flushing was completed, and the precautionary water quality advisory was rescinded as follows:



- May 8, 2026 – Rosewood PS seasonal set point changes made to accommodate the increased flow being supplied to McPhail reservoir via the Westlake Interconnect for the high flow season.
- May 11, 2026 – Rosewood PS online FCR analyser was repaired, a hose clamp was replaced and the pressure for the unit was tested, the analyser was cleaned and calibrated.
- May 12, 2026 – Rosewood PS online FCR analyser calibration adjustment of 0.10mg/L increase.
- May 11, 2026 – Lakeview Cove PS pump #1 bearings were greased front and back.
- May 19, 2026 – Lower Boucherie PS back feed valve was run to encourage better turnover in Upper Boucherie Reservoir, FCR increased by 0.10mg/L.
    - May 21, 2026 – This process was repeated to encourage turnover in Upper Boucherie Reservoir.
- May 21, 2026 – Lakeview Cove PS experienced a planned BC Hydro power outage, setpoints were changes in anticipation of the outage and were returned to normal operation after the power was restored.
- May 22, 2026 – Rosewood PS the online FCR analyser registered a spike due to trim pump hypo dosing change at the treatment plant. Dosing was corrected and FCR returned to typical concentrations.
- May 22, 2026 – Westlake Rd and Starlight Cres blow offline was isolated due to a water leak. As part of trouble shooting, two mainline valves were briefly closed and a temporary turbidity spiked on the Blackwood PS turbidity analyser was noted after the flow disturbance of which was not reflective of the water quality at the time. The FCR analyser was cleaned and placed back into service after event whereby values returned to normal a short time after. The blow offline leak will be repaired at a later date.
- May 27, 2026 – Menu re-chlorination system pipe leak repair completed and the dosing setpoint was changed to 0.25mg/L dose.
- May 28, 2026 – Treatment plant confirmed that the sodium permanganate system was activated for pre-treatment of manganese for the season.
- May 29, 2026 – Shannon Woods Reservoir and Pinewoods Reservoir had new retrofitted hatch locks installed to increase security at each site.
- May 29, 2026 – Tallus Reservoir re-chlorination was increased to improve FCR concentration. A partial drain/fill cycle was initiated from Shannon Woods into Tallus to improve water age and FCR concentration in the reservoir.

WQ Field and SCADA Data

Sampling Location Table:

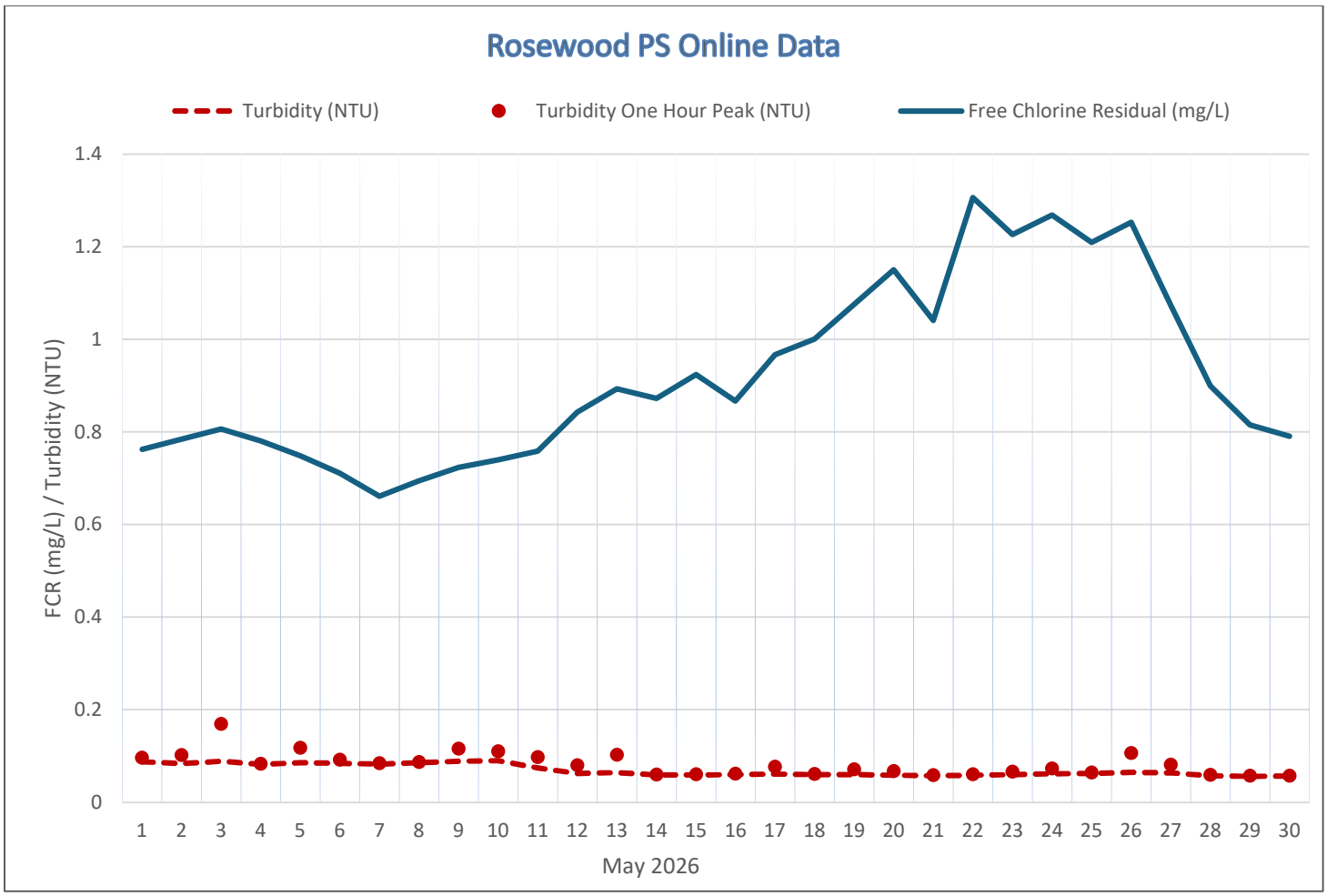
Sample Name	Civic Address	Pressure Zone	WQ Sampling Rationale
Rosewood PS	1463 Rosewood Dr	597	Installed new online water quality analyzer at Rosewood PS and changed grab sample location from **RV Trails** to this new location to coincide and best represent as the "First Customer Sample" entering the 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

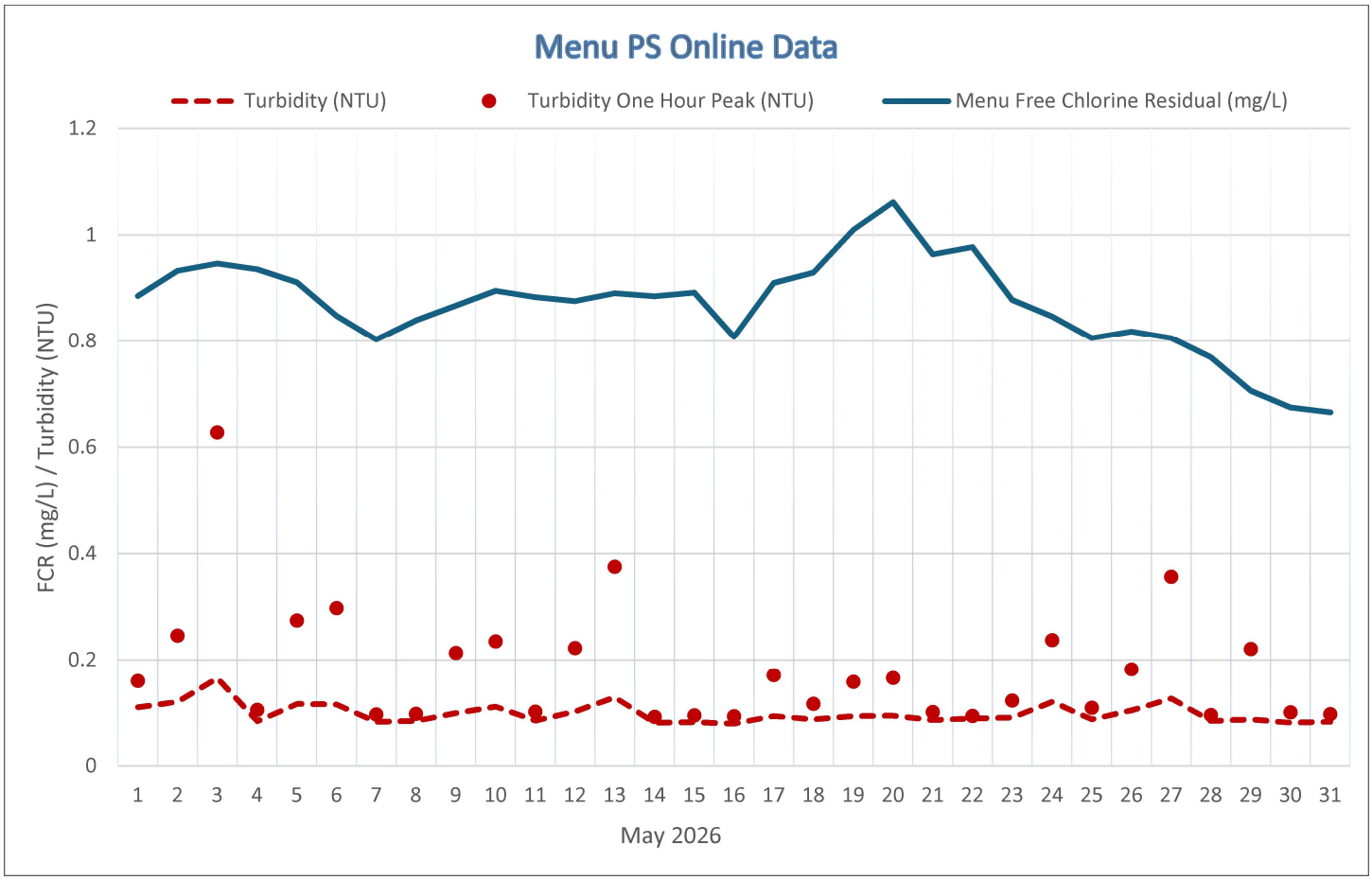
Rosewood PS Online Data								
Date	Turbidity	Turbidity (Peak 1 Hr)	FCR			Temp	pH	ORP
	Avg (NTU)	Max Based On 1 Hr Avg	Min (mg/L)	Max (mg/L)	Avg (mg/L)	Avg (ºC)	Avg (pH)	Avg (mV)
May 2026								
1	0.09	0.10	0.70	0.82	0.76	9.73	7.67	699
2	0.08	0.10	0.73	0.82	0.78	9.85	7.66	706
3	0.09	0.17	0.72	0.86	0.81	9.99	7.66	707
4	0.08	0.08	0.72	0.82	0.78	10.11	7.65	709
5	0.09	0.12	0.64	0.82	0.75	10.08	7.65	709
6	0.08	0.09	0.64	0.76	0.71	10.27	7.66	700
7	0.08	0.08	0.62	0.70	0.66	10.32	7.65	695
8	0.09	0.09	0.63	0.75	0.69	10.24	7.64	698
9	0.09	0.12	0.65	0.82	0.72	10.32	7.62	703
10	0.09	0.11	0.68	0.80	0.74	10.41	7.61	705
11	0.07	0.10	0.67	0.86	0.76	10.53	7.61	710
12	0.06	0.08	0.74	0.90	0.84	10.52	7.68	687
13	0.06	0.10	0.81	0.95	0.89	10.75	7.66	690
14	0.06	0.06	0.80	0.93	0.87	10.60	7.62	691
15	0.06	0.06	0.80	1.42	0.92	10.70	7.65	689
16	0.06	0.06	0.78	0.97	0.87	10.85	7.68	680
17	0.06	0.08	0.82	1.04	0.97	10.98	7.67	686
18	0.06	0.06	0.89	1.08	1.00	11.03	7.66	685
19	0.06	0.07	0.96	1.16	1.08	11.21	7.66	687
20	0.06	0.07	1.02	1.29	1.15	11.41	7.67	684
21	0.06	0.06	0.95	1.13	1.04	11.41	7.65	678
22	0.06	0.06	1.04	2.21	1.31	11.59	7.65	686
23	0.06	0.07	1.06	1.71	1.23	11.89	7.66	676
24	0.06	0.07	1.16	1.33	1.27	12.09	7.69	676
25	0.06	0.06	1.14	1.28	1.21	12.17	7.69	675
26	0.07	0.11	1.15	1.35	1.25	11.89	7.69	671
27	0.06	0.08	0.87	1.31	1.07	11.93	7.67	672
28	0.06	0.06	0.82	0.97	0.90	12.37	7.65	697
29	0.06	0.06	0.75	0.89	0.82	12.32	7.63	698
30	0.06	0.06	0.73	0.86	0.79	12.00	7.63	701
31	0.06	0.06	0.71	0.84	0.77	12.27	7.63	696
Average	0.07		0.82	1.05	0.92	11.03	7.65	692
Min	0.06		0.62	0.70	0.66	9.73	7.61	671
Max	0.09	0.17	1.16	2.21	1.31	12.37	7.69	710



Rosewood PS Water Quality						
Date	Turbidity		Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
05-May-26	0.27	0.17	9.9	0.96	0.81	7.71
12-May-26	0.05	0.07	10.0	0.97	0.87	7.36
19-May-26	0.12	0.06	11.1	0.90	1.13	7.29
26-May-26	0.22	0.08	11.8	1.02	1.31	7.63
# of Samples	4	4	4	4	4	4
Average	0.17	0.10	10.7	0.96	1.03	7.5
Range	0.05-0.27	0.06-0.17	9.9-11.8	0.90-1.02	0.81-1.31	7.29-7.71

Menu PS

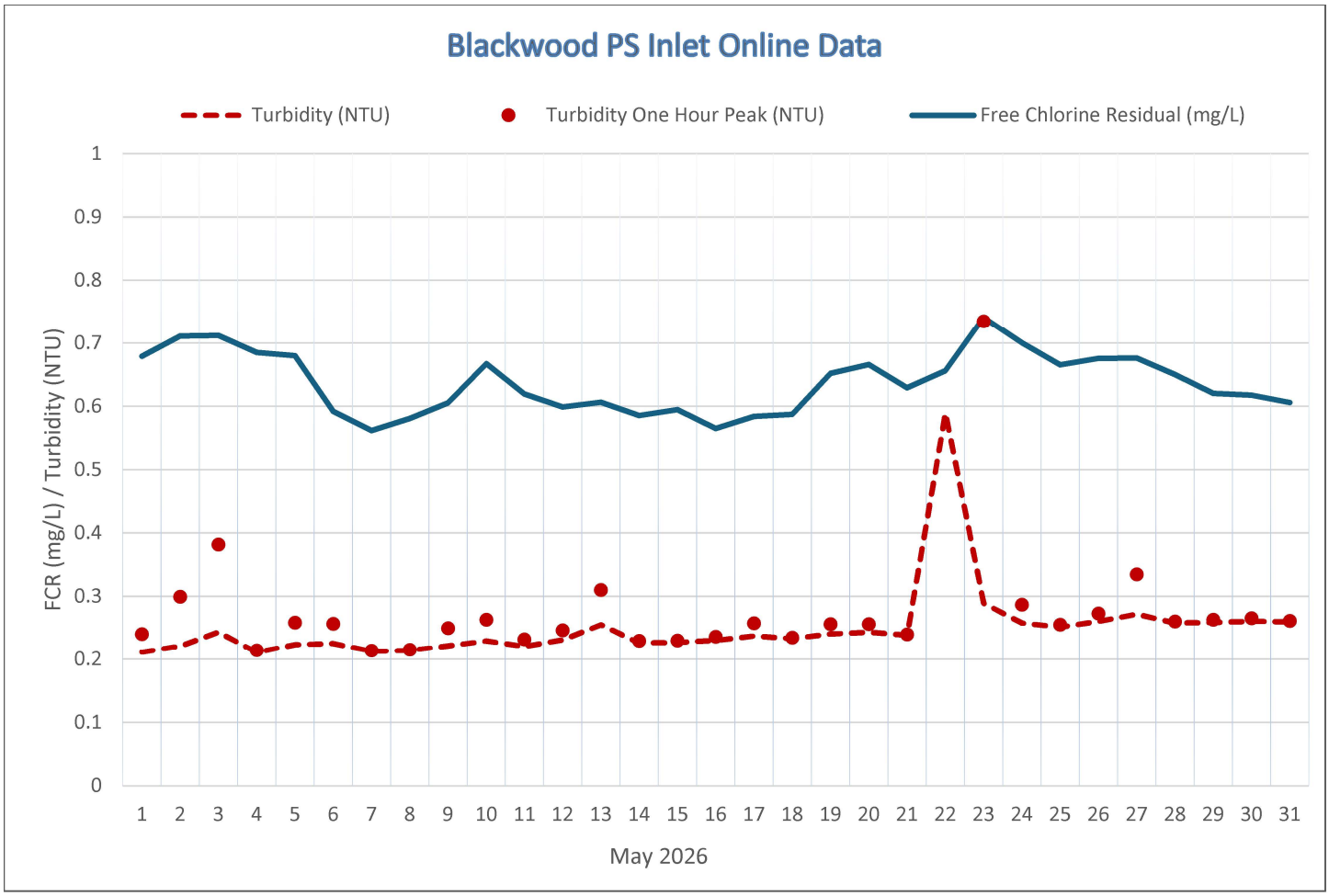
Menu PS Online Data									
Date	Combined Flow Total From RV	Turbidity	Turbidity (Peak 1 Hr)	Temp	pH	ORP	FCR		
	(m^3)	Avg (NTU)	Max Based On 1 Hr Avg	Avg (°C)	Avg (pH)	Avg (mV)	Min (mg/L)	Max (mg/L)	Avg (mg/L)
May 2026									
1	5063	0.11	0.16	8.93	7.31	766	0.83	0.93	0.89
2	5285	0.12	0.25	8.98	7.30	770	0.89	0.98	0.93
3	5717	0.17	0.63	9.00	7.29	774	0.88	1.01	0.95
4	5272	0.08	0.11	9.04	7.28	775	0.88	0.98	0.94
5	6411	0.12	0.27	9.05	7.28	775	0.81	0.98	0.91
6	5911	0.12	0.30	9.11	7.29	769	0.79	0.89	0.85
7	4995	0.08	0.10	9.14	7.29	759	0.76	0.84	0.80
8	5391	0.08	0.10	9.21	7.27	765	0.76	0.90	0.84
9	5535	0.10	0.21	9.25	7.24	763	0.77	0.94	0.87
10	5857	0.11	0.24	9.31	7.22	762	0.84	1.01	0.90
11	5202	0.09	0.10	9.57	7.24	762	0.83	0.93	0.88
12	5794	0.10	0.22	9.60	7.25	765	0.83	0.93	0.88
13	5688	0.13	0.38	9.54	7.22	770	0.82	0.96	0.89
14	5496	0.08	0.09	9.54	7.16	772	0.83	0.93	0.88
15	4962	0.08	0.09	9.70	7.17	772	0.79	1.22	0.89
16	4388	0.08	0.09	9.84	7.20	763	0.73	0.90	0.81
17	6047	0.09	0.17	10.02	7.21	770	0.77	0.98	0.91
18	4833	0.09	0.12	10.10	7.18	771	0.86	0.98	0.93
19	6186	0.09	0.16	10.19	7.16	774	0.93	1.08	1.01
20	6151	0.09	0.17	10.32	7.16	773	0.95	1.14	1.06
21	5022	0.09	0.10	10.45	7.13	765	0.88	1.04	0.96
22	4374	0.09	0.09	10.59	7.11	771	0.79	1.20	0.98
23	5288	0.09	0.12	10.73	7.09	771	0.81	1.31	0.88
24	6037	0.12	0.24	10.76	7.11	766	0.81	0.90	0.85
25	6094	0.09	0.11	11.01	7.10	766	0.77	0.85	0.81
26	6229	0.10	0.18	10.96	7.10	767	0.78	0.86	0.82
27	5512	0.13	0.36	11.05	7.10	766	0.74	0.87	0.81
28	5713	0.08	0.10	11.33	7.07	780	0.72	0.82	0.77
29	3640	0.09	0.22	11.40	7.05	784	0.63	0.77	0.71
30	3928	0.08	0.10	11.22	7.05	785	0.63	0.73	0.67
31	3513	0.08	0.10	11.39	7.05	783	0.62	0.72	0.67
Total	160468								
Average	5339.73	0.10		10.01	7.18	770.09	0.80	0.95	0.87
Min	3512.77	0.08		8.93	7.05	758.73	0.62	0.72	0.67
Max	6411.10	0.17	0.63	11.40	7.31	785.23	0.95	1.31	1.06



Menu PS Water Quality						
Date	Turbidity		Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
05-May-26	0.18	0.09	9.0	0.96	0.96	7.7
12-May-26	0.07	0.09	9.7	0.87	0.90	7.37
19-May-26	0.12	0.08	11.1	0.88	1.06	7.31
26-May-26	0.13	0.09	12.0	0.96	0.84	7.44
# of Samples	4	4	4	4	4	4
Average	0.13	0.09	10.45	0.92	0.94	7.46
Range	0.07-0.18	0.08-0.09	9.0-12.0	0.87-0.96	0.84-1.06	7.31-7.7

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 (ºC)	Avg (pH)	Avg (us/cm)	Avg (mV)
May 2026									
1	0.21	0.24	0.63	0.72	0.68	9.52	7.73	220.09	777
2	0.22	0.30	0.65	0.75	0.71	9.51	7.74	220.21	781
3	0.24	0.38	0.67	0.74	0.71	9.52	7.72	219.68	790
4	0.21	0.21	0.64	0.72	0.69	9.71	7.73	219.59	786
5	0.22	0.26	0.60	0.74	0.68	9.69	7.71	219.34	792
6	0.23	0.26	0.55	0.62	0.59	9.64	7.73	218.70	787
7	0.21	0.21	0.52	0.59	0.56	9.71	7.74	218.77	766
8	0.21	0.22	0.54	0.60	0.58	9.67	7.72	218.36	775
9	0.22	0.25	0.57	0.68	0.61	9.76	7.70	218.40	780
10	0.23	0.26	0.60	0.75	0.67	9.77	7.67	218.70	789
11	0.22	0.23	0.57	0.66	0.62	10.13	7.69	217.95	785
12	0.23	0.25	0.56	0.63	0.60	10.13	7.70	217.55	789
13	0.26	0.31	0.55	0.67	0.61	10.13	7.69	217.90	794
14	0.23	0.23	0.54	0.62	0.59	10.47	7.65	217.66	788
15	0.23	0.23	0.54	0.79	0.59	10.42	7.63	217.23	790
16	0.23	0.24	0.48	0.80	0.57	10.52	7.66	216.44	787
17	0.24	0.26	0.48	0.64	0.58	10.68	7.68	215.77	791
18	0.23	0.23	0.55	0.63	0.59	10.75	7.66	215.86	791
19	0.24	0.26	0.61	0.70	0.65	10.88	7.64	216.41	796
20	0.24	0.26	0.60	0.72	0.67	11.00	7.64	215.99	797
21	0.24	0.24	0.55	0.69	0.63	11.10	7.63	214.50	791
22	0.59		0.34	0.73	0.66	11.32	7.60	208.26	796
23	0.29	0.74	0.65	1.07	0.74	11.40	7.60	213.96	800
24	0.26	0.29	0.63	0.76	0.70	11.36	7.62	213.34	795
25	0.25	0.26	0.62	0.70	0.67	11.63	7.63	212.35	791
26	0.26	0.27	0.62	0.73	0.68	11.62	7.63	212.24	796
27	0.27	0.33	0.62	0.74	0.68	11.70	7.64	211.96	795
28	0.26	0.26	0.61	0.68	0.65	12.01	7.62	210.57	810
29	0.26	0.26	0.56	0.67	0.62	11.95	7.60	210.96	818
30	0.26	0.27	0.56	2.55	0.62	11.93	7.60	210.55	819
31	0.26	0.26	0.56	0.65	0.61	11.98	7.60	209.80	817
Average	0.25		0.57	0.77	0.64	10.63	7.66	215.78	792
Min	0.21		0.34	0.59	0.56	9.51	7.60	208.26	766
Max	0.59	0.74	0.67	2.55	0.74	12.01	7.74	220.21	819

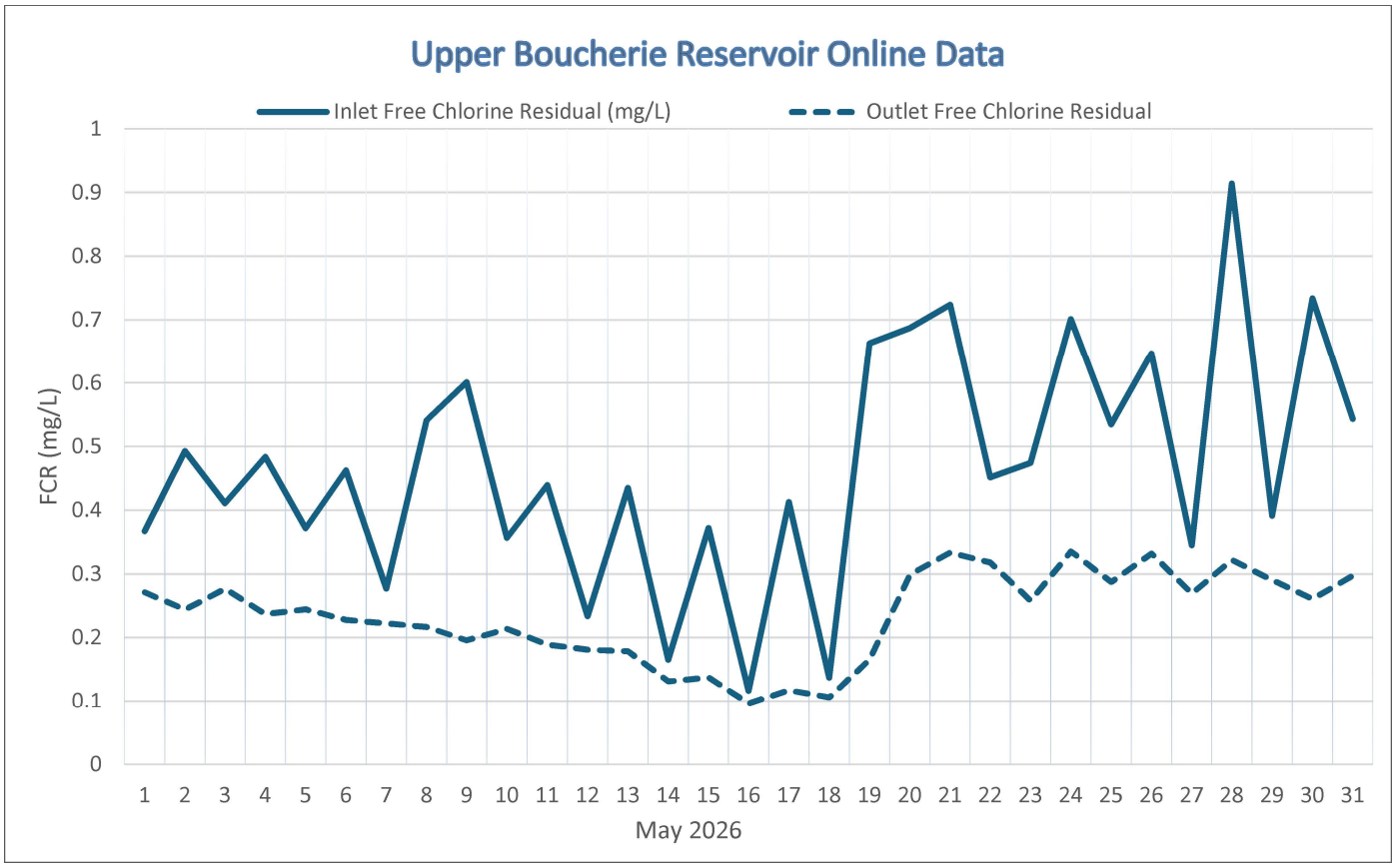


- Note: May 22, 2026 – Westlake Rd and Starlight Cres blow off was isolated due to a leak. Due to the closing of two mainline valves briefly turbidity spiked on the Blackwood PS turbidity analyser. Analyser was cleaned and placed back into service after event. The blow off will be repaired at a later date.

Blackwood PS Water Quality						
Date	Turbidity		Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
05-May-26	0.32	0.25	9.3	0.89	0.73	7.69
12-May-26	0.1	0.26	9.8	0.79	0.62	7.37
19-May-26	0.21	0.24	11.1	0.67	0.69	7.39
26-May-26	0.23	0.2	13.7	0.06	0.11	8.37
# of Samples	4	4	4	4	4	4
Average	0.22	0.24	10.98	0.6	0.54	7.71
Range	0.1-0.32	0.2-0.26	9.3-13.7	0.06-0.89	0.11-0.73	7.37-8.37

Upper Boucherie Reservoir

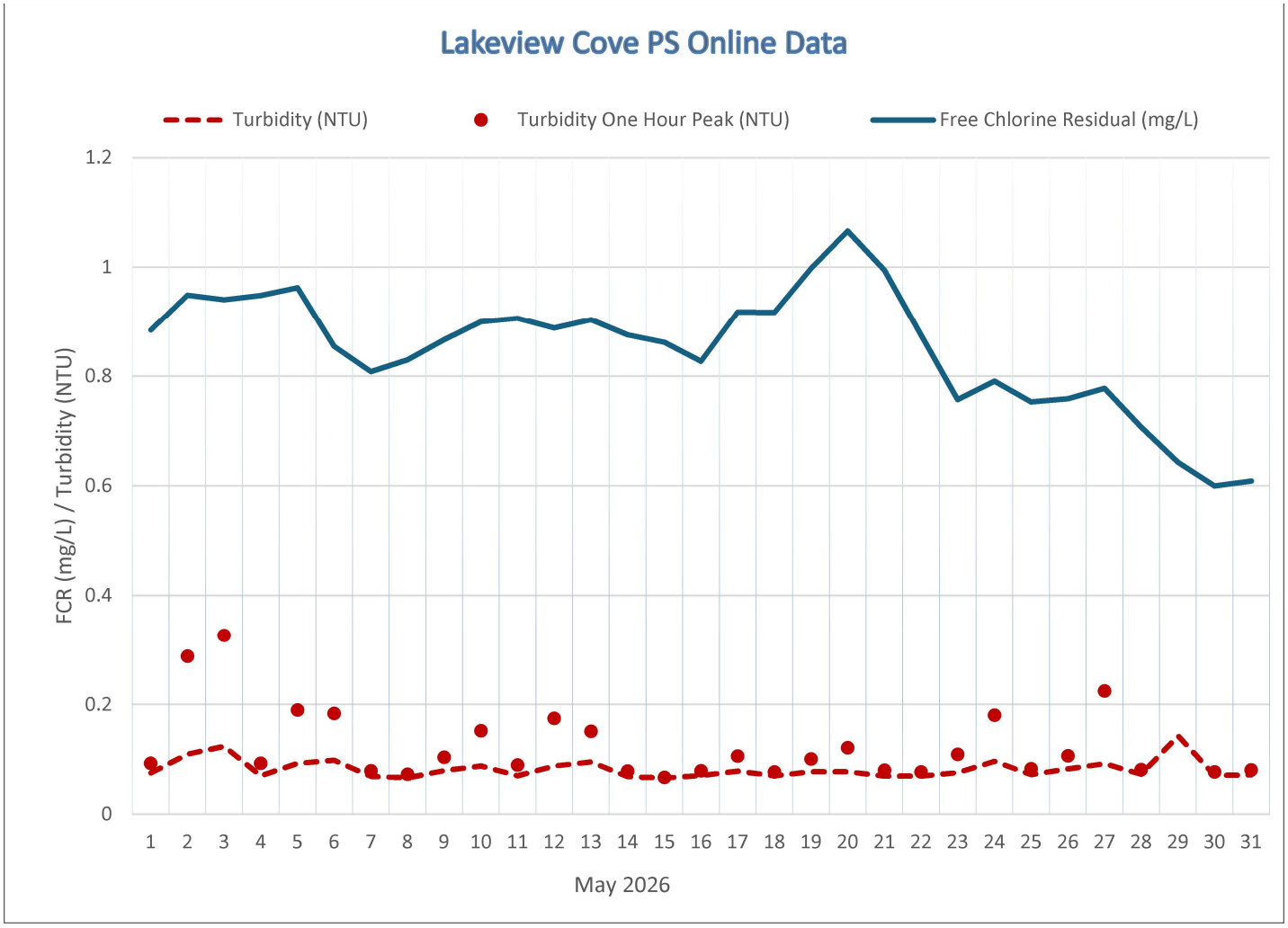
Upper Boucherie Reservoir Online Data								
Date	Temp	pH	Inlet FCR			Outlet FCR		
	Avg (ºC)	Avg (pH)	Min (mg/L)	Max (mg/L)	Avg (mg/L)	Min (mg/L)	Max (mg/L)	Avg (mg/L)
May 2026								
1	11.19	7.74	0.26	0.73	0.37	0.24	0.29	0.27
2	10.96	7.73	0.22	1.38	0.49	0.20	0.39	0.24
3	11.60	7.72	0.27	0.90	0.41	0.25	0.30	0.28
4	11.51	7.71	0.22	0.99	0.48	0.19	0.32	0.24
5	12.08	7.71	0.24	0.85	0.37	0.21	0.26	0.25
6	11.91	7.70	0.20	1.22	0.46	0.18	0.29	0.23
7	12.33	7.71	0.20	0.73	0.28	0.18	0.25	0.22
8	11.77	7.68	0.25	1.05	0.54	0.18	0.25	0.22
9	11.64	7.67	0.18	1.35	0.60	0.15	0.27	0.20
10	12.26	7.68	0.22	0.89	0.36	0.18	0.24	0.21
11	11.87	7.65	0.17	1.15	0.44	0.15	0.28	0.19
12	12.57	7.68	0.16	0.36	0.23	0.15	0.21	0.18
13	11.87	7.64	0.20	0.70	0.44	0.14	0.25	0.18
14	12.16	7.67	0.12	0.61	0.17	0.10	0.15	0.13
15	11.61	7.63	0.15	0.67	0.37	0.09	0.17	0.14
16	12.03	7.67	0.09	0.16	0.12	0.07	0.12	0.10
17	11.76	7.63	0.07	1.24	0.41	0.06	0.16	0.12
18	12.26	7.66	0.09	0.21	0.14	0.08	0.13	0.11
19	11.73	7.61	0.08	1.74	0.66	0.06	0.48	0.17
20	11.92	7.61	0.28	3.74	0.69	0.23	0.60	0.30
21	12.05	7.60	0.36	1.20	0.72	0.27	0.48	0.33
22	12.43	7.62	0.35	0.70	0.45	0.28	0.35	0.32
23	12.51	7.61	0.26	1.76	0.47	0.21	0.50	0.26
24	12.70	7.59	0.41	1.16	0.70	0.20	0.64	0.34
25	12.86	7.60	0.30	1.63	0.53	0.23	0.62	0.29
26	12.88	7.59	0.41	1.12	0.65	0.30	0.35	0.33
27	13.03	7.61	0.29	0.41	0.35	0.23	0.30	0.27
28	13.05	7.57	0.28	1.52	0.91	0.22	0.64	0.32
29	13.52	7.60	0.33	0.48	0.39	0.25	0.32	0.29
30	12.82	7.56	0.27	1.56	0.73	0.18	0.45	0.26
31	13.43	7.57	0.36	1.31	0.54	0.26	0.32	0.30
Average	12.20	7.65	0.23	1.08	0.47	0.18	0.33	0.23
Min	10.96	7.56	0.07	0.16	0.12	0.06	0.12	0.10
Max	13.52	7.74	0.41	3.74	0.91	0.30	0.64	0.34



- Note: The Upper Boucherie Inlet FCR is variable due to the pump runs from the Lower Boucherie Pump Station.

Lakeview Cove PS

Lakeview Cove PS						
Date	Turbidity	Turbidity (Peak 1 Hr)	Free Chlorine Residual			Temp
	Avg (NTU)	Max Based On 1 Hr Avg	Min (mg/L)	Max (mg/L)	Avg (mg/L)	Avg (°C)
May 2026						
1	0.08	0.09	0.80	0.99	0.88	9.58
2	0.11	0.29	0.83	1.06	0.95	9.64
3	0.12	0.33	0.84	1.05	0.94	9.71
4	0.07	0.09	0.86	1.06	0.95	9.83
5	0.09	0.19	0.84	1.06	0.96	9.82
6	0.10	0.18	0.76	0.95	0.85	9.89
7	0.07	0.08	0.71	0.92	0.81	9.99
8	0.07	0.07	0.73	0.95	0.83	10.13
9	0.08	0.10	0.77	0.96	0.87	10.03
10	0.09	0.15	0.80	1.01	0.90	10.21
11	0.07	0.09	0.78	1.02	0.91	10.36
12	0.09	0.18	0.80	1.01	0.89	10.49
13	0.10	0.15	0.77	1.05	0.90	10.56
14	0.07	0.08	0.78	0.99	0.88	10.75
15	0.07	0.07	0.77	0.94	0.86	10.88
16	0.07	0.08	0.71	0.94	0.83	10.80
17	0.08	0.11	0.69	1.03	0.92	10.87
18	0.07	0.08	0.81	1.03	0.92	11.03
19	0.08	0.10	0.86	1.14	1.00	11.09
20	0.08	0.12	0.94	1.20	1.07	11.04
21	0.07	0.08	0.85	1.10	0.99	11.13
22	0.07	0.08	0.67	1.19	0.88	11.42
23	0.08	0.11	0.67	0.88	0.76	11.56
24	0.10	0.18	0.69	0.88	0.79	11.32
25	0.07	0.08	0.69	0.84	0.75	11.68
26	0.08	0.11	0.67	0.86	0.76	11.72
27	0.09	0.23	0.69	0.88	0.78	11.69
28	0.07	0.08	0.61	0.81	0.71	12.00
29	0.14	1.23	0.54	0.74	0.64	12.24
30	0.07	0.08	0.55	0.67	0.60	12.21
31	0.07	0.08	0.53	0.70	0.61	12.13
Average	0.08		0.74	0.96	0.85	10.83
Min	0.07		0.53	0.67	0.60	9.58
Max	0.14	1.23	0.94	1.20	1.07	12.24


Lakeview Cove PS Online Data
Turbidity (NTU)
Turbidity One Hour Peak (NTU)
Free Chlorine Residual (mg/L)
FCR (mg/L) / Turbidity (NTU)
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 29 30 31
May 2026

WQ Field Data

Thacker SS

Thacker SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
05-May-26	0.37	11.6	0.92	7.78
12-May-26	0.10	11.6	0.73	7.44
19-May-26	0.11	12.5	0.73	7.39
26-May-26	0.13	12.7	0.84	7.43
# of Samples	4	4	4	4
Average	0.1775	12.1	0.805	7.51
Range	0.1-0.37	11.6-12.7	0.73-0.92	7.39-7.78

Shannon Way SS

Shannon Way SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
05-May-26	0.27	11.8	0.54	7.58
12-May-26	0.12	10.6	0.78	7.68
19-May-26	0.11	12.2	0.75	7.47
26-May-26	0.10	13.2	0.87	7.44
# of Samples	4	4	4	4
Average	0.15	11.95	0.74	7.54
Range	0.10-0.27	10.6-13.2	0.54-0.87	7.44-7.68

Lower Horizon SS

Lower Horizon SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
05-May-26	0.49	12.5	0.79	7.76
12-May-26	0.09	11.1	0.64	7.39
19-May-26	0.18	11.9	0.64	7.22
26-May-26	0.14	12.8	0.70	7.43
# of Samples	4	4	4	4
Average	0.23	12.08	0.69	7.45
Range	0.09-0.49	11.1-12.8	0.64-0.79	7.22-7.76

Pritchard SS

Pritchard SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
05-May-26	0.20	15.3	0.97	7.87
12-May-26	0.21	12.6	0.80	7.63
19-May-26	0.25	13.4	0.80	7.48
26-May-26	0.11	14.2	0.85	7.46
# of Samples	4	4	4	4
Average	0.19	13.88	0.86	7.61
Range	0.11-0.25	12.6-15.3	0.8-0.97	7.46-7.87

Vineyard View SS

Vineyard View SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
05-May-26	0.18	12.7	0.83	7.81
12-May-26	0.12	12.7	0.42	7.59
19-May-26	0.09	15.1	0.40	7.46
26-May-26	0.12	14.0	0.52	7.42
# of Samples	4	4	4	4
Average	0.13	13.6	0.54	7.57
Range	0.09-0.18	12.7-15.1	0.40-0.83	7.42-7.81

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
21-Jul-25	0.2360			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	0.0740	0.0747	0.0713	0.0965	0.0946	0.0748	0.0781
17-Feb-26	0.0709	0.0828	0.0864	0.0784	0.1030	0.1000	0.0894	0.0869
12-May-26	0.0353	0.0425	0.0442	0.0409	0.051	0.0570	0.0483	0.0413
Average	0.0822	0.0640	0.0718	0.0909	0.0809	0.0755	0.0648	0.1057

Rose Valley Distribution System - HAA5 Results (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
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	0.0330	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	0.0330	0.0533	0.0387	0.0380
12-May-26	0.0247	0.0301	0.0300	0.0262	0.0335	0.0356	0.0344	0.0288
Average	0.0419	0.0352	0.0367	0.0431	0.0314	0.0373	0.0404	0.0476

Manganese

Rose Valley Water Service Area – Manganese Results (mg/L)

Location	19-Aug-25	25-Nov-25	17-Feb-26	12-May-26	Average	Range	# of Samples
Rosewood	0.0010	0.0005	0.0023	0.0064	0.0026	0.00054-0.0064	4
Thacker	0.0012	0.0004	0.0010	0.0052	0.0020	0.00039-0.00521	4
Shannon Way	0.0005	0.0011	0.0013	0.0042	0.0018	0.00053-0.00424	4
Menu	0.0004	0.0004	0.0014	0.0030	0.0013	0.00035-0.00302	4
Pritchard	0.0006	0.0004	0.0016	0.0016	0.0010	0.00044-0.00161	4
Vineyard View	0.0013	0.0005	0.0013	0.0022	0.0013	0.00051-0.00218	4
Lower Horizon / Horizon	0.0008	0.0006	0.0013	0.0029	0.0014	0.00057-0.00292	4

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

Appendix A – Quarterly Certificate of Analysis

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26E1368
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-05-22 13:35

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
THACKER SS (26E1368-01) | Matrix: Drinking Water | Sampled: 2026-05-12 09:50						
Calculated Parameters						
Total Trihalomethanes	**0.0425**	MAC = 0.1	0.00400	mg/L	N/A	
Hardness, Total (as CaCO3)	**85.6**	None Required	0.500	mg/L	N/A	
Langelier Index	**-0.8**	N/A	-5.0		2026-05-20	CT9
Field Parameters						
Chlorine, Free	**0.73**	N/A	0.02	mg/L	2026-05-12	
pH	**7.4**	7.0-10.5	0.1	pH units	2026-05-12	
Turbidity	**0.10**	OG < 1	0.10	NTU	2026-05-12	
General Parameters						
Alkalinity, Total (as CaCO3)	**86.4**	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Bicarbonate (as CaCO3)	**86.4**	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Carbonate (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Hydroxide (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Carbon, Total Organic	**4.27**	N/A	0.50	mg/L	2026-05-15	
Solids, Total Dissolved	**128**	AO ≤ 500	15	mg/L	2026-05-19	
Temperature, at pH	**21.0**	N/A		°C	2026-05-13	HT2
Haloacetic Acids						
Monochloroacetic Acid	< 0.0028	N/A	0.0020	mg/L	2026-05-20	RA3
Monobromoacetic Acid	**0.0022**	N/A	0.0020	mg/L	2026-05-20	
Dichloroacetic Acid	**0.0139**	N/A	0.0020	mg/L	2026-05-20	
Trichloroacetic Acid	**0.0139**	N/A	0.0020	mg/L	2026-05-20	
Dibromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-05-20	
Total Haloacetic Acids (HAA5)	**0.0301**	MAC = 0.08	0.00284	mg/L	N/A	
Surrogate: 2-Bromopropionic Acid	*117*		*70-130*	%	*2026-05-20*	
Microbiological Parameters						
Coliforms, Total	< 1	MAC = 0	1	CFU/100 mL	2026-05-12	
E. coli	< 1	MAC = 0	1	CFU/100 mL	2026-05-12	
Total Metals						
Aluminum, total	**0.0057**	OG < 0.1	0.0050	mg/L	2026-05-14	
Antimony, total	< 0.00020	MAC = 0.006	0.00020	mg/L	2026-05-14	
Arsenic, total	< 0.00050	MAC = 0.01	0.00050	mg/L	2026-05-14	
Barium, total	**0.0121**	MAC = 2	0.0050	mg/L	2026-05-14	
Beryllium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Bismuth, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Boron, total	< 0.0500	MAC = 5	0.0500	mg/L	2026-05-14	
Cadmium, total	< 0.000010	MAC = 0.007	0.000010	mg/L	2026-05-14	
Calcium, total	**25.7**	None Required	0.20	mg/L	2026-05-14	
Chromium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-05-14	
Cobalt, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Copper, total	**0.00510**	MAC = 2	0.00040	mg/L	2026-05-14	

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26E1368
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-05-22 13:35

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
THACKER SS (26E1368-01) | Matrix: Drinking Water | Sampled: 2026-05-12 09:50, Continued						
Total Metals, Continued						
Iron, total	< 0.010	AO ≤ 0.1	0.010	mg/L	2026-05-14	
Lead, total	< 0.00020	MAC = 0.005	0.00020	mg/L	2026-05-14	
Lithium, total	**0.00228**	N/A	0.00010	mg/L	2026-05-14	
Magnesium, total	**5.19**	None Required	0.010	mg/L	2026-05-14	
Manganese, total	**0.00521**	MAC = 0.12	0.00020	mg/L	2026-05-14	
Molybdenum, total	**0.00169**	N/A	0.00010	mg/L	2026-05-14	
Nickel, total	**0.00046**	N/A	0.00040	mg/L	2026-05-14	
Phosphorus, total	< 0.050	N/A	0.050	mg/L	2026-05-14	
Potassium, total	**1.45**	N/A	0.10	mg/L	2026-05-14	
Selenium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-05-14	
Silicon, total	**8.9**	N/A	1.0	mg/L	2026-05-14	
Silver, total	< 0.000050	None Required	0.000050	mg/L	2026-05-14	
Sodium, total	**8.85**	AO ≤ 200	0.10	mg/L	2026-05-14	
Strontium, total	**0.127**	MAC = 7	0.0010	mg/L	2026-05-14	
Sulfur, total	< 3.0	N/A	3.0	mg/L	2026-05-14	
Tellurium, total	< 0.00050	N/A	0.00050	mg/L	2026-05-14	
Thallium, total	< 0.000020	N/A	0.000020	mg/L	2026-05-14	
Thorium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Tin, total	< 0.00020	N/A	0.00020	mg/L	2026-05-14	
Titanium, total	< 0.0050	N/A	0.0050	mg/L	2026-05-14	
Tungsten, total	< 0.0010	N/A	0.0010	mg/L	2026-05-14	
Uranium, total	< 0.000020	MAC = 0.02	0.000020	mg/L	2026-05-14	
Vanadium, total	< 0.0050	N/A	0.0050	mg/L	2026-05-14	
Zinc, total	< 0.0040	AO ≤ 5	0.0040	mg/L	2026-05-14	
Zirconium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Volatile Organic Compounds (VOC)						
Bromodichloromethane	**0.0029**	N/A	0.0010	mg/L	2026-05-14	
Bromoform	< 0.0010	N/A	0.0010	mg/L	2026-05-14	
Chloroform	**0.0396**	N/A	0.0010	mg/L	2026-05-14	
Dibromochloromethane	< 0.0010	N/A	0.0010	mg/L	2026-05-14	
Surrogate: Toluene-d8	*87*		*70-130*	%	*2026-05-14*	
Surrogate: 4-Bromofluorobenzene	*89*		*70-130*	%	*2026-05-14*	
SHANNON WAY SS (26E1368-02) | Matrix: Drinking Water | Sampled: 2026-05-12 11:40						
Calculated Parameters						
Total Trihalomethanes	**0.0442**	MAC = 0.1	0.00400	mg/L	N/A	
Hardness, Total (as CaCO3)	**84.4**	None Required	0.500	mg/L	N/A	
Langelier Index	**-0.5**	N/A	-5.0		2026-05-20	CT9
Field Parameters						
Chlorine, Free	**0.78**	N/A	0.02	mg/L	2026-05-12	

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26E1368
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-05-22 13:35

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
SHANNON WAY SS (26E1368-02) | Matrix: Drinking Water | Sampled: 2026-05-12 11:40, Continued						
Field Parameters, Continued						
pH	**7.7**	7.0-10.5	0.1	pH units	2026-05-12	
Turbidity	**0.12**	OG < 1	0.10	NTU	2026-05-12	
General Parameters						
Alkalinity, Total (as CaCO3)	**85.4**	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Bicarbonate (as CaCO3)	**85.4**	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Carbonate (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Hydroxide (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Carbon, Total Organic	**4.55**	N/A	0.50	mg/L	2026-05-15	
Solids, Total Dissolved	**89**	AO ≤ 500	15	mg/L	2026-05-19	
Temperature, at pH	**20.8**	N/A		°C	2026-05-13	HT2
Haloacetic Acids						
Monochloroacetic Acid	< 0.0035	N/A	0.0020	mg/L	2026-05-20	RA3
Monobromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-05-20	
Dichloroacetic Acid	**0.0147**	N/A	0.0020	mg/L	2026-05-20	
Trichloroacetic Acid	**0.0153**	N/A	0.0020	mg/L	2026-05-20	
Dibromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-05-20	
Total Haloacetic Acids (HAA5)	**0.0300**	MAC = 0.08	0.00354	mg/L	N/A	
Surrogate: 2-Bromopropionic Acid	*111*		*70-130*	%	*2026-05-20*	
Microbiological Parameters						
Coliforms, Total	< 1	MAC = 0	1	CFU/100 mL	2026-05-12	
E. coli	< 1	MAC = 0	1	CFU/100 mL	2026-05-12	
Total Metals						
Aluminum, total	**0.0065**	OG < 0.1	0.0050	mg/L	2026-05-14	
Antimony, total	< 0.00020	MAC = 0.006	0.00020	mg/L	2026-05-14	
Arsenic, total	< 0.00050	MAC = 0.01	0.00050	mg/L	2026-05-14	
Barium, total	**0.0121**	MAC = 2	0.0050	mg/L	2026-05-14	
Beryllium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Bismuth, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Boron, total	< 0.0500	MAC = 5	0.0500	mg/L	2026-05-14	
Cadmium, total	< 0.000010	MAC = 0.007	0.000010	mg/L	2026-05-14	
Calcium, total	**25.3**	None Required	0.20	mg/L	2026-05-14	
Chromium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-05-14	
Cobalt, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Copper, total	**0.00605**	MAC = 2	0.00040	mg/L	2026-05-14	
Iron, total	< 0.010	AO ≤ 0.1	0.010	mg/L	2026-05-14	
Lead, total	< 0.00020	MAC = 0.005	0.00020	mg/L	2026-05-14	
Lithium, total	**0.00228**	N/A	0.00010	mg/L	2026-05-14	
Magnesium, total	**5.11**	None Required	0.010	mg/L	2026-05-14	
Manganese, total	**0.00424**	MAC = 0.12	0.00020	mg/L	2026-05-14	

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26E1368
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-05-22 13:35

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
SHANNON WAY SS (26E1368-02) | Matrix: Drinking Water | Sampled: 2026-05-12 11:40, Continued						
Total Metals, Continued						
Molybdenum, total	**0.00163**	N/A	0.00010	mg/L	2026-05-14	
Nickel, total	**0.00049**	N/A	0.00040	mg/L	2026-05-14	
Phosphorus, total	< 0.050	N/A	0.050	mg/L	2026-05-14	
Potassium, total	**1.43**	N/A	0.10	mg/L	2026-05-14	
Selenium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-05-14	
Silicon, total	**8.8**	N/A	1.0	mg/L	2026-05-14	
Silver, total	< 0.000050	None Required	0.000050	mg/L	2026-05-14	
Sodium, total	**8.68**	AO ≤ 200	0.10	mg/L	2026-05-14	
Strontium, total	**0.124**	MAC = 7	0.0010	mg/L	2026-05-14	
Sulfur, total	< 3.0	N/A	3.0	mg/L	2026-05-14	
Tellurium, total	< 0.00050	N/A	0.00050	mg/L	2026-05-14	
Thallium, total	< 0.000020	N/A	0.000020	mg/L	2026-05-14	
Thorium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Tin, total	< 0.00020	N/A	0.00020	mg/L	2026-05-14	
Titanium, total	< 0.0050	N/A	0.0050	mg/L	2026-05-14	
Tungsten, total	< 0.0010	N/A	0.0010	mg/L	2026-05-14	
Uranium, total	< 0.000020	MAC = 0.02	0.000020	mg/L	2026-05-14	
Vanadium, total	< 0.0050	N/A	0.0050	mg/L	2026-05-14	
Zinc, total	< 0.0040	AO ≤ 5	0.0040	mg/L	2026-05-14	
Zirconium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Volatile Organic Compounds (VOC)						
Bromodichloromethane	**0.0030**	N/A	0.0010	mg/L	2026-05-14	
Bromoform	< 0.0010	N/A	0.0010	mg/L	2026-05-14	
Chloroform	**0.0413**	N/A	0.0010	mg/L	2026-05-14	
Dibromochloromethane	< 0.0010	N/A	0.0010	mg/L	2026-05-14	
Surrogate: Toluene-d8	*90*		*70-130*	%	*2026-05-14*	
Surrogate: 4-Bromofluorobenzene	*69*		*70-130*	%	*2026-05-14*	S02
ROSEWOOD PS (26E1368-03) | Matrix: Drinking Water | Sampled: 2026-05-12 08:05						
Calculated Parameters						
Total Trihalomethanes	**0.0353**	MAC = 0.1	0.00400	mg/L	N/A	
Hardness, Total (as CaCO3)	**85.3**	None Required	0.500	mg/L	N/A	
Langelier Index	**-0.9**	N/A	-5.0		2026-05-15	CT9
Nitrogen, Organic	**0.250**	N/A	0.0500	mg/L	N/A	
Field Parameters						
Chlorine, Free	**0.97**	N/A	0.02	mg/L	2026-05-12	
pH	**7.4**	7.0-10.5	0.1	pH units	2026-05-12	
Turbidity	< 0.10	OG < 1	0.10	NTU	2026-05-12	
General Parameters						
Alkalinity, Total (as CaCO3)	**89.9**	N/A	1.0	mg/L	2026-05-13	

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26E1368
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-05-22 13:35

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
ROSEWOOD PS (26E1368-03) | Matrix: Drinking Water | Sampled: 2026-05-12 08:05, Continued						
General Parameters, Continued						
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Bicarbonate (as CaCO3)	**89.9**	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Carbonate (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Hydroxide (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Ammonia, Total (as N)	< 0.050	None Required	0.050	mg/L	2026-05-15	
Carbon, Total Organic	**3.99**	N/A	0.50	mg/L	2026-05-15	
Nitrogen, Total Kjeldahl	**0.250**	N/A	0.050	mg/L	2026-05-20	
Solids, Total Dissolved	**153**	AO ≤ 500	15	mg/L	2026-05-14	
Temperature, at pH	**21.2**	N/A		°C	2026-05-13	HT2
Haloacetic Acids						
Monochloroacetic Acid	< 0.0033	N/A	0.0020	mg/L	2026-05-20	RA3
Monobromoacetic Acid	**0.0021**	N/A	0.0020	mg/L	2026-05-20	
Dichloroacetic Acid	**0.0118**	N/A	0.0020	mg/L	2026-05-20	
Trichloroacetic Acid	**0.0108**	N/A	0.0020	mg/L	2026-05-20	
Dibromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-05-20	
Total Haloacetic Acids (HAA5)	**0.0247**	MAC = 0.08	0.00334	mg/L	N/A	
Surrogate: 2-Bromopropionic Acid	*113*		*70-130*	%	*2026-05-20*	
Microbiological Parameters						
Coliforms, Total	< 1	MAC = 0	1	CFU/100 mL	2026-05-12	
E. coli	< 1	MAC = 0	1	CFU/100 mL	2026-05-12	
Total Metals						
Aluminum, total	**0.0071**	OG < 0.1	0.0050	mg/L	2026-05-14	
Antimony, total	< 0.00020	MAC = 0.006	0.00020	mg/L	2026-05-14	
Arsenic, total	< 0.00050	MAC = 0.01	0.00050	mg/L	2026-05-14	
Barium, total	**0.0121**	MAC = 2	0.0050	mg/L	2026-05-14	
Beryllium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Bismuth, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Boron, total	< 0.0500	MAC = 5	0.0500	mg/L	2026-05-14	
Cadmium, total	< 0.000010	MAC = 0.007	0.000010	mg/L	2026-05-14	
Calcium, total	**25.6**	None Required	0.20	mg/L	2026-05-14	
Chromium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-05-14	
Cobalt, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Copper, total	**0.00300**	MAC = 2	0.00040	mg/L	2026-05-14	
Iron, total	< 0.010	AO ≤ 0.1	0.010	mg/L	2026-05-14	
Lead, total	< 0.00020	MAC = 0.005	0.00020	mg/L	2026-05-14	
Lithium, total	**0.00230**	N/A	0.00010	mg/L	2026-05-14	
Magnesium, total	**5.17**	None Required	0.010	mg/L	2026-05-14	
Manganese, total	**0.00640**	MAC = 0.12	0.00020	mg/L	2026-05-14	
Molybdenum, total	**0.00172**	N/A	0.00010	mg/L	2026-05-14	
Nickel, total	**0.00058**	N/A	0.00040	mg/L	2026-05-14	
Phosphorus, total	< 0.050	N/A	0.050	mg/L	2026-05-14	

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26E1368
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-05-22 13:35

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
ROSEWOOD PS (26E1368-03) | Matrix: Drinking Water | Sampled: 2026-05-12 08:05, Continued						
Total Metals, Continued						
Potassium, total	**1.45**	N/A	0.10	mg/L	2026-05-14	
Selenium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-05-14	
Silicon, total	**8.8**	N/A	1.0	mg/L	2026-05-14	
Silver, total	< 0.000050	None Required	0.000050	mg/L	2026-05-14	
Sodium, total	**8.88**	AO ≤ 200	0.10	mg/L	2026-05-14	
Strontium, total	**0.126**	MAC = 7	0.0010	mg/L	2026-05-14	
Sulfur, total	< 3.0	N/A	3.0	mg/L	2026-05-14	
Tellurium, total	< 0.00050	N/A	0.00050	mg/L	2026-05-14	
Thallium, total	< 0.000020	N/A	0.000020	mg/L	2026-05-14	
Thorium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Tin, total	< 0.00020	N/A	0.00020	mg/L	2026-05-14	
Titanium, total	< 0.0050	N/A	0.0050	mg/L	2026-05-14	
Tungsten, total	< 0.0010	N/A	0.0010	mg/L	2026-05-14	
Uranium, total	< 0.000020	MAC = 0.02	0.000020	mg/L	2026-05-14	
Vanadium, total	< 0.0050	N/A	0.0050	mg/L	2026-05-14	
Zinc, total	< 0.0040	AO ≤ 5	0.0040	mg/L	2026-05-14	
Zirconium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Volatile Organic Compounds (VOC)						
Bromodichloromethane	**0.0021**	N/A	0.0010	mg/L	2026-05-15	
Bromoform	< 0.0010	N/A	0.0010	mg/L	2026-05-15	
Chloroform	**0.0332**	N/A	0.0010	mg/L	2026-05-15	
Dibromochloromethane	< 0.0010	N/A	0.0010	mg/L	2026-05-15	
Surrogate: Toluene-d8	*86*		*70-130*	%	*2026-05-15*	
Surrogate: 4-Bromofluorobenzene	*87*		*70-130*	%	*2026-05-15*	
BLACKWOOD PS (26E1368-04) | Matrix: Drinking Water | Sampled: 2026-05-12 08:45						
Calculated Parameters						
Total Trihalomethanes	**0.0413**	MAC = 0.1	0.00400	mg/L	N/A	
Hardness, Total (as CaCO3)	**84.0**	None Required	0.500	mg/L	N/A	
Langelier Index	**-0.9**	N/A	-5.0		2026-05-15	CT9
Field Parameters						
Chlorine, Free	**0.79**	N/A	0.02	mg/L	2026-05-12	
pH	**7.4**	7.0-10.5	0.1	pH units	2026-05-12	
Turbidity	**0.10**	OG < 1	0.10	NTU	2026-05-12	
General Parameters						
Alkalinity, Total (as CaCO3)	**86.3**	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Bicarbonate (as CaCO3)	**86.3**	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Carbonate (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Hydroxide (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26E1368
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-05-22 13:35

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
BLACKWOOD PS (26E1368-04) | Matrix: Drinking Water | Sampled: 2026-05-12 08:45, Continued						
General Parameters, Continued						
Carbon, Total Organic	**4.30**	N/A	0.50	mg/L	2026-05-15	
Solids, Total Dissolved	**152**	AO ≤ 500	15	mg/L	2026-05-14	
Temperature, at pH	**21.6**	N/A		°C	2026-05-13	HT2
Haloacetic Acids						
Monochloroacetic Acid	< 0.0029	N/A	0.0020	mg/L	2026-05-19	RA3
Monobromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-05-19	
Dichloroacetic Acid	**0.0143**	N/A	0.0020	mg/L	2026-05-19	
Trichloroacetic Acid	**0.0145**	N/A	0.0020	mg/L	2026-05-19	
Dibromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-05-19	
Total Haloacetic Acids (HAA5)	**0.0288**	MAC = 0.08	0.00295	mg/L	N/A	
Surrogate: 2-Bromopropionic Acid	*110*		*70-130*	%	*2026-05-19*	
Microbiological Parameters						
Coliforms, Total	< 1	MAC = 0	1	CFU/100 mL	2026-05-12	
E. coli	< 1	MAC = 0	1	CFU/100 mL	2026-05-12	
Total Metals						
Aluminum, total	**0.0055**	OG < 0.1	0.0050	mg/L	2026-05-14	
Antimony, total	< 0.00020	MAC = 0.006	0.00020	mg/L	2026-05-14	
Arsenic, total	< 0.00050	MAC = 0.01	0.00050	mg/L	2026-05-14	
Barium, total	**0.0120**	MAC = 2	0.0050	mg/L	2026-05-14	
Beryllium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Bismuth, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Boron, total	< 0.0500	MAC = 5	0.0500	mg/L	2026-05-14	
Cadmium, total	< 0.000010	MAC = 0.007	0.000010	mg/L	2026-05-14	
Calcium, total	**25.2**	None Required	0.20	mg/L	2026-05-14	
Chromium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-05-14	
Cobalt, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Copper, total	**0.00198**	MAC = 2	0.00040	mg/L	2026-05-14	
Iron, total	< 0.010	AO ≤ 0.1	0.010	mg/L	2026-05-14	
Lead, total	< 0.00020	MAC = 0.005	0.00020	mg/L	2026-05-14	
Lithium, total	**0.00231**	N/A	0.00010	mg/L	2026-05-14	
Magnesium, total	**5.12**	None Required	0.010	mg/L	2026-05-14	
Manganese, total	**0.00600**	MAC = 0.12	0.00020	mg/L	2026-05-14	
Molybdenum, total	**0.00167**	N/A	0.00010	mg/L	2026-05-14	
Nickel, total	**0.00047**	N/A	0.00040	mg/L	2026-05-14	
Phosphorus, total	< 0.050	N/A	0.050	mg/L	2026-05-14	
Potassium, total	**1.45**	N/A	0.10	mg/L	2026-05-14	
Selenium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-05-14	
Silicon, total	**8.9**	N/A	1.0	mg/L	2026-05-14	
Silver, total	< 0.000050	None Required	0.000050	mg/L	2026-05-14	
Sodium, total	**8.65**	AO ≤ 200	0.10	mg/L	2026-05-14	
Strontium, total	**0.125**	MAC = 7	0.0010	mg/L	2026-05-14	

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26E1368
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-05-22 13:35

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
BLACKWOOD PS (26E1368-04) | Matrix: Drinking Water | Sampled: 2026-05-12 08:45, Continued						
Total Metals, Continued						
Sulfur, total	< 3.0	N/A	3.0	mg/L	2026-05-14	
Tellurium, total	< 0.00050	N/A	0.00050	mg/L	2026-05-14	
Thallium, total	< 0.000020	N/A	0.000020	mg/L	2026-05-14	
Thorium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Tin, total	< 0.00020	N/A	0.00020	mg/L	2026-05-14	
Titanium, total	< 0.0050	N/A	0.0050	mg/L	2026-05-14	
Tungsten, total	< 0.0010	N/A	0.0010	mg/L	2026-05-14	
Uranium, total	< 0.000020	MAC = 0.02	0.000020	mg/L	2026-05-14	
Vanadium, total	< 0.0050	N/A	0.0050	mg/L	2026-05-14	
Zinc, total	< 0.0040	AO ≤ 5	0.0040	mg/L	2026-05-14	
Zirconium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Volatile Organic Compounds (VOC)						
Bromodichloromethane	**0.0028**	N/A	0.0010	mg/L	2026-05-15	
Bromoform	< 0.0010	N/A	0.0010	mg/L	2026-05-15	
Chloroform	**0.0385**	N/A	0.0010	mg/L	2026-05-15	
Dibromochloromethane	< 0.0010	N/A	0.0010	mg/L	2026-05-15	
Surrogate: Toluene-d8	*84*		*70-130*	%	*2026-05-15*	
Surrogate: 4-Bromofluorobenzene	*85*		*70-130*	%	*2026-05-15*	
LOWER HORIZON SS (26E1368-05) | Matrix: Drinking Water | Sampled: 2026-05-12 09:29						
Calculated Parameters						
Total Trihalomethanes	**0.0483**	MAC = 0.1	0.00400	mg/L	N/A	
Hardness, Total (as CaCO3)	**84.6**	None Required	0.500	mg/L	N/A	
Langelier Index	**-0.8**	N/A	-5.0		2026-05-20	CT9
Field Parameters						
Chlorine, Free	**0.64**	N/A	0.02	mg/L	2026-05-12	
pH	**7.4**	7.0-10.5	0.1	pH units	2026-05-12	
Turbidity	< 0.10	OG < 1	0.10	NTU	2026-05-12	
General Parameters						
Alkalinity, Total (as CaCO3)	**85.9**	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Bicarbonate (as CaCO3)	**85.9**	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Carbonate (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Hydroxide (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Carbon, Total Organic	**3.82**	N/A	0.50	mg/L	2026-05-15	
Solids, Total Dissolved	**153**	AO ≤ 500	15	mg/L	2026-05-19	
Temperature, at pH	**21.3**	N/A		°C	2026-05-13	HT2
Haloacetic Acids						
Monochloroacetic Acid	< 0.0033	N/A	0.0020	mg/L	2026-05-19	RA3

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26E1368
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-05-22 13:35

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
LOWER HORIZON SS (26E1368-05) | Matrix: Drinking Water | Sampled: 2026-05-12 09:29, Continued						
Haloacetic Acids, Continued						
Monobromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-05-19	
Dichloroacetic Acid	**0.0163**	N/A	0.0020	mg/L	2026-05-19	
Trichloroacetic Acid	**0.0181**	N/A	0.0020	mg/L	2026-05-19	
Dibromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-05-19	
Total Haloacetic Acids (HAA5)	**0.0344**	MAC = 0.08	0.00335	mg/L	N/A	
Surrogate: 2-Bromopropionic Acid	*106*		*70-130*	%	*2026-05-19*	
Microbiological Parameters						
Coliforms, Total	< 1	MAC = 0	1	CFU/100 mL	2026-05-12	
E. coli	< 1	MAC = 0	1	CFU/100 mL	2026-05-12	
Total Metals						
Aluminum, total	**0.0060**	OG < 0.1	0.0050	mg/L	2026-05-14	
Antimony, total	< 0.00020	MAC = 0.006	0.00020	mg/L	2026-05-14	
Arsenic, total	< 0.00050	MAC = 0.01	0.00050	mg/L	2026-05-14	
Barium, total	**0.0121**	MAC = 2	0.0050	mg/L	2026-05-14	
Beryllium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Bismuth, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Boron, total	< 0.0500	MAC = 5	0.0500	mg/L	2026-05-14	
Cadmium, total	< 0.000010	MAC = 0.007	0.000010	mg/L	2026-05-14	
Calcium, total	**25.3**	None Required	0.20	mg/L	2026-05-14	
Chromium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-05-14	
Cobalt, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Copper, total	**0.00425**	MAC = 2	0.00040	mg/L	2026-05-14	
Iron, total	< 0.010	AO ≤ 0.1	0.010	mg/L	2026-05-14	
Lead, total	< 0.00020	MAC = 0.005	0.00020	mg/L	2026-05-14	
Lithium, total	**0.00228**	N/A	0.00010	mg/L	2026-05-14	
Magnesium, total	**5.16**	None Required	0.010	mg/L	2026-05-14	
Manganese, total	**0.00292**	MAC = 0.12	0.00020	mg/L	2026-05-14	
Molybdenum, total	**0.00167**	N/A	0.00010	mg/L	2026-05-14	
Nickel, total	**0.00043**	N/A	0.00040	mg/L	2026-05-14	
Phosphorus, total	< 0.050	N/A	0.050	mg/L	2026-05-14	
Potassium, total	**1.47**	N/A	0.10	mg/L	2026-05-14	
Selenium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-05-14	
Silicon, total	**8.8**	N/A	1.0	mg/L	2026-05-14	
Silver, total	< 0.000050	None Required	0.000050	mg/L	2026-05-14	
Sodium, total	**8.83**	AO ≤ 200	0.10	mg/L	2026-05-14	
Strontium, total	**0.127**	MAC = 7	0.0010	mg/L	2026-05-14	
Sulfur, total	< 3.0	N/A	3.0	mg/L	2026-05-14	
Tellurium, total	< 0.00050	N/A	0.00050	mg/L	2026-05-14	
Thallium, total	< 0.000020	N/A	0.000020	mg/L	2026-05-14	
Thorium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Tin, total	< 0.00020	N/A	0.00020	mg/L	2026-05-14	
Titanium, total	< 0.0050	N/A	0.0050	mg/L	2026-05-14	

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26E1368
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-05-22 13:35

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
LOWER HORIZON SS (26E1368-05) | Matrix: Drinking Water | Sampled: 2026-05-12 09:29, Continued						
Total Metals, Continued						
Tungsten, total	< 0.0010	N/A	0.0010	mg/L	2026-05-14	
Uranium, total	< 0.000020	MAC = 0.02	0.000020	mg/L	2026-05-14	
Vanadium, total	< 0.0050	N/A	0.0050	mg/L	2026-05-14	
Zinc, total	< 0.0040	AO ≤ 5	0.0040	mg/L	2026-05-14	
Zirconium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Volatile Organic Compounds (VOC)						
Bromodichloromethane	**0.0033**	N/A	0.0010	mg/L	2026-05-15	
Bromoform	< 0.0010	N/A	0.0010	mg/L	2026-05-15	
Chloroform	**0.0450**	N/A	0.0010	mg/L	2026-05-15	
Dibromochloromethane	< 0.0010	N/A	0.0010	mg/L	2026-05-15	
Surrogate: Toluene-d8	*85*		*70-130*	%	*2026-05-15*	
Surrogate: 4-Bromofluorobenzene	*86*		*70-130*	%	*2026-05-15*	
MENU PS (26E1368-06) | Matrix: Drinking Water | Sampled: 2026-05-12 10:20						
Calculated Parameters						
Total Trihalomethanes	**0.0409**	MAC = 0.1	0.00400	mg/L	N/A	
Hardness, Total (as CaCO3)	**86.4**	None Required	0.500	mg/L	N/A	
Langelier Index	**-0.8**	N/A	-5.0		2026-05-20	CT9
Field Parameters						
Chlorine, Free	**0.87**	N/A	0.02	mg/L	2026-05-12	
pH	**7.4**	7.0-10.5	0.1	pH units	2026-05-12	
Turbidity	< 0.10	OG < 1	0.10	NTU	2026-05-12	
General Parameters						
Alkalinity, Total (as CaCO3)	**85.8**	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Bicarbonate (as CaCO3)	**85.8**	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Carbonate (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Hydroxide (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Carbon, Total Organic	**3.93**	N/A	0.50	mg/L	2026-05-15	
Solids, Total Dissolved	**130**	AO ≤ 500	15	mg/L	2026-05-19	
Temperature, at pH	**21.3**	N/A		°C	2026-05-13	HT2
Haloacetic Acids						
Monochloroacetic Acid	< 0.0028	N/A	0.0020	mg/L	2026-05-19	RA3
Monobromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-05-19	
Dichloroacetic Acid	**0.0132**	N/A	0.0020	mg/L	2026-05-19	
Trichloroacetic Acid	**0.0129**	N/A	0.0020	mg/L	2026-05-19	
Dibromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-05-19	
Total Haloacetic Acids (HAA5)	**0.0262**	MAC = 0.08	0.00277	mg/L	N/A	
Surrogate: 2-Bromopropionic Acid	*105*		*70-130*	%	*2026-05-19*	

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26E1368
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-05-22 13:35

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
MENU PS (26E1368-06) | Matrix: Drinking Water | Sampled: 2026-05-12 10:20, Continued						
Microbiological Parameters						
Coliforms, Total	< 1	MAC = 0	1	CFU/100 mL	2026-05-12	
E. coli	< 1	MAC = 0	1	CFU/100 mL	2026-05-12	
Total Metals						
Aluminum, total	< 0.0050	OG < 0.1	0.0050	mg/L	2026-05-14	
Antimony, total	< 0.00020	MAC = 0.006	0.00020	mg/L	2026-05-14	
Arsenic, total	< 0.00050	MAC = 0.01	0.00050	mg/L	2026-05-14	
Barium, total	**0.0115**	MAC = 2	0.0050	mg/L	2026-05-14	
Beryllium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Bismuth, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Boron, total	< 0.0500	MAC = 5	0.0500	mg/L	2026-05-14	
Cadmium, total	< 0.000010	MAC = 0.007	0.000010	mg/L	2026-05-14	
Calcium, total	**25.9**	None Required	0.20	mg/L	2026-05-14	
Chromium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-05-14	
Cobalt, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Copper, total	**0.00381**	MAC = 2	0.00040	mg/L	2026-05-14	
Iron, total	< 0.010	AO ≤ 0.1	0.010	mg/L	2026-05-14	
Lead, total	< 0.00020	MAC = 0.005	0.00020	mg/L	2026-05-14	
Lithium, total	**0.00241**	N/A	0.00010	mg/L	2026-05-14	
Magnesium, total	**5.26**	None Required	0.010	mg/L	2026-05-14	
Manganese, total	**0.00302**	MAC = 0.12	0.00020	mg/L	2026-05-14	
Molybdenum, total	**0.00168**	N/A	0.00010	mg/L	2026-05-14	
Nickel, total	**0.00045**	N/A	0.00040	mg/L	2026-05-14	
Phosphorus, total	< 0.050	N/A	0.050	mg/L	2026-05-14	
Potassium, total	**1.53**	N/A	0.10	mg/L	2026-05-14	
Selenium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-05-14	
Silicon, total	**9.0**	N/A	1.0	mg/L	2026-05-14	
Silver, total	< 0.000050	None Required	0.000050	mg/L	2026-05-14	
Sodium, total	**9.12**	AO ≤ 200	0.10	mg/L	2026-05-14	
Strontium, total	**0.124**	MAC = 7	0.0010	mg/L	2026-05-14	
Sulfur, total	< 3.0	N/A	3.0	mg/L	2026-05-14	
Tellurium, total	< 0.00050	N/A	0.00050	mg/L	2026-05-14	
Thallium, total	< 0.000020	N/A	0.000020	mg/L	2026-05-14	
Thorium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Tin, total	< 0.00020	N/A	0.00020	mg/L	2026-05-14	
Titanium, total	< 0.0050	N/A	0.0050	mg/L	2026-05-14	
Tungsten, total	< 0.0010	N/A	0.0010	mg/L	2026-05-14	
Uranium, total	< 0.000020	MAC = 0.02	0.000020	mg/L	2026-05-14	
Vanadium, total	< 0.0050	N/A	0.0050	mg/L	2026-05-14	
Zinc, total	< 0.0040	AO ≤ 5	0.0040	mg/L	2026-05-14	
Zirconium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Volatile Organic Compounds (VOC)						
Bromodichloromethane	**0.0026**	N/A	0.0010	mg/L	2026-05-15	

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26E1368
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-05-22 13:35

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
MENU PS (26E1368-06) | Matrix: Drinking Water | Sampled: 2026-05-12 10:20, Continued						
Volatile Organic Compounds (VOC), Continued						
Bromoform	< 0.0010	N/A	0.0010	mg/L	2026-05-15	
Chloroform	**0.0383**	N/A	0.0010	mg/L	2026-05-15	
Dibromochloromethane	< 0.0010	N/A	0.0010	mg/L	2026-05-15	
Surrogate: Toluene-d8	*90*		*70-130*	%	*2026-05-15*	
Surrogate: 4-Bromofluorobenzene	*92*		*70-130*	%	*2026-05-15*	
PRITCHARD SS (26E1368-07) | Matrix: Drinking Water | Sampled: 2026-05-12 08:15						
Calculated Parameters						
Total Trihalomethanes	**0.0510**	MAC = 0.1	0.00400	mg/L	N/A	
Hardness, Total (as CaCO3)	**87.6**	None Required	0.500	mg/L	N/A	
Langelier Index	**-0.6**	N/A	-5.0		2026-05-15	CT9
Field Parameters						
Chlorine, Free	**0.80**	N/A	0.02	mg/L	2026-05-12	
pH	**7.6**	7.0-10.5	0.1	pH units	2026-05-12	
Turbidity	**0.21**	OG < 1	0.10	NTU	2026-05-12	
General Parameters						
Alkalinity, Total (as CaCO3)	**86.2**	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Bicarbonate (as CaCO3)	**86.2**	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Carbonate (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Hydroxide (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Carbon, Total Organic	**3.84**	N/A	0.50	mg/L	2026-05-15	
Solids, Total Dissolved	**141**	AO ≤ 500	15	mg/L	2026-05-14	
Temperature, at pH	**21.5**	N/A		°C	2026-05-13	HT2
Haloacetic Acids						
Monochloroacetic Acid	< 0.0027	N/A	0.0020	mg/L	2026-05-19	RA3
Monobromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-05-19	
Dichloroacetic Acid	**0.0160**	N/A	0.0020	mg/L	2026-05-19	
Trichloroacetic Acid	**0.0175**	N/A	0.0020	mg/L	2026-05-19	
Dibromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-05-19	
Total Haloacetic Acids (HAA5)	**0.0335**	MAC = 0.08	0.00273	mg/L	N/A	
Surrogate: 2-Bromopropionic Acid	*109*		*70-130*	%	*2026-05-19*	
Microbiological Parameters						
Coliforms, Total	< 1	MAC = 0	1	CFU/100 mL	2026-05-12	
E. coli	< 1	MAC = 0	1	CFU/100 mL	2026-05-12	
Total Metals						
Aluminum, total	< 0.0050	OG < 0.1	0.0050	mg/L	2026-05-14	
Antimony, total	< 0.00020	MAC = 0.006	0.00020	mg/L	2026-05-14	

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26E1368
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-05-22 13:35

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
PRITCHARD SS (26E1368-07) | Matrix: Drinking Water | Sampled: 2026-05-12 08:15, Continued						
Total Metals, Continued						
Arsenic, total	< 0.00050	MAC = 0.01	0.00050	mg/L	2026-05-14	
Barium, total	**0.0117**	MAC = 2	0.0050	mg/L	2026-05-14	
Beryllium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Bismuth, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Boron, total	< 0.0500	MAC = 5	0.0500	mg/L	2026-05-14	
Cadmium, total	< 0.000010	MAC = 0.007	0.000010	mg/L	2026-05-14	
Calcium, total	**26.4**	None Required	0.20	mg/L	2026-05-14	
Chromium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-05-14	
Cobalt, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Copper, total	**0.00406**	MAC = 2	0.00040	mg/L	2026-05-14	
Iron, total	< 0.010	AO ≤ 0.1	0.010	mg/L	2026-05-14	
Lead, total	**0.00032**	MAC = 0.005	0.00020	mg/L	2026-05-14	
Lithium, total	**0.00237**	N/A	0.00010	mg/L	2026-05-14	
Magnesium, total	**5.25**	None Required	0.010	mg/L	2026-05-14	
Manganese, total	**0.00161**	MAC = 0.12	0.00020	mg/L	2026-05-14	
Molybdenum, total	**0.00165**	N/A	0.00010	mg/L	2026-05-14	
Nickel, total	**0.00040**	N/A	0.00040	mg/L	2026-05-14	
Phosphorus, total	< 0.050	N/A	0.050	mg/L	2026-05-14	
Potassium, total	**1.52**	N/A	0.10	mg/L	2026-05-14	
Selenium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-05-14	
Silicon, total	**9.0**	N/A	1.0	mg/L	2026-05-14	
Silver, total	< 0.000050	None Required	0.000050	mg/L	2026-05-14	
Sodium, total	**9.40**	AO ≤ 200	0.10	mg/L	2026-05-14	
Strontium, total	**0.124**	MAC = 7	0.0010	mg/L	2026-05-14	
Sulfur, total	< 3.0	N/A	3.0	mg/L	2026-05-14	
Tellurium, total	< 0.00050	N/A	0.00050	mg/L	2026-05-14	
Thallium, total	< 0.000020	N/A	0.000020	mg/L	2026-05-14	
Thorium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Tin, total	< 0.00020	N/A	0.00020	mg/L	2026-05-14	
Titanium, total	< 0.0050	N/A	0.0050	mg/L	2026-05-14	
Tungsten, total	< 0.0010	N/A	0.0010	mg/L	2026-05-14	
Uranium, total	< 0.000020	MAC = 0.02	0.000020	mg/L	2026-05-14	
Vanadium, total	< 0.0050	N/A	0.0050	mg/L	2026-05-14	
Zinc, total	< 0.0040	AO ≤ 5	0.0040	mg/L	2026-05-14	
Zirconium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Volatile Organic Compounds (VOC)						
Bromodichloromethane	**0.0035**	N/A	0.0010	mg/L	2026-05-15	
Bromoform	< 0.0010	N/A	0.0010	mg/L	2026-05-15	
Chloroform	**0.0475**	N/A	0.0010	mg/L	2026-05-15	
Dibromochloromethane	< 0.0010	N/A	0.0010	mg/L	2026-05-15	
Surrogate: Toluene-d8	*89*		*70-130*	%	*2026-05-15*	
Surrogate: 4-Bromofluorobenzene	*89*		*70-130*	%	*2026-05-15*	

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26E1368
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-05-22 13:35

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
VINEYARD VIEW SS (26E1368-08) | Matrix: Drinking Water | Sampled: 2026-05-12 10:45						
Calculated Parameters						
Total Trihalomethanes	**0.0570**	MAC = 0.1	0.00400	mg/L	N/A	
Hardness, Total (as CaCO3)	**85.6**	None Required	0.500	mg/L	N/A	
Langelier Index	**-0.6**	N/A	-5.0		2026-05-20	CT9
Field Parameters						
Chlorine, Free	**0.42**	N/A	0.02	mg/L	2026-05-12	
pH	**7.6**	7.0-10.5	0.1	pH units	2026-05-12	
Turbidity	**0.12**	OG < 1	0.10	NTU	2026-05-12	
General Parameters						
Alkalinity, Total (as CaCO3)	**85.8**	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Phenolphthalein (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Bicarbonate (as CaCO3)	**85.8**	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Carbonate (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Alkalinity, Hydroxide (as CaCO3)	< 1.0	N/A	1.0	mg/L	2026-05-13	
Carbon, Total Organic	**2.92**	N/A	0.50	mg/L	2026-05-15	
Solids, Total Dissolved	**156**	AO ≤ 500	15	mg/L	2026-05-19	
Temperature, at pH	**21.8**	N/A		°C	2026-05-13	HT2
Haloacetic Acids						
Monochloroacetic Acid	< 0.0032	N/A	0.0020	mg/L	2026-05-20	RA3
Monobromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-05-20	
Dichloroacetic Acid	**0.0176**	N/A	0.0020	mg/L	2026-05-20	
Trichloroacetic Acid	**0.0180**	N/A	0.0020	mg/L	2026-05-20	
Dibromoacetic Acid	< 0.0020	N/A	0.0020	mg/L	2026-05-20	
Total Haloacetic Acids (HAA5)	**0.0356**	MAC = 0.08	0.00316	mg/L	N/A	
Surrogate: 2-Bromopropionic Acid	*109*		*70-130*	%	*2026-05-20*	
Microbiological Parameters						
Coliforms, Total	< 1	MAC = 0	1	CFU/100 mL	2026-05-12	
E. coli	< 1	MAC = 0	1	CFU/100 mL	2026-05-12	
Total Metals						
Aluminum, total	**0.0062**	OG < 0.1	0.0050	mg/L	2026-05-14	
Antimony, total	< 0.00020	MAC = 0.006	0.00020	mg/L	2026-05-14	
Arsenic, total	< 0.00050	MAC = 0.01	0.00050	mg/L	2026-05-14	
Barium, total	**0.0124**	MAC = 2	0.0050	mg/L	2026-05-14	
Beryllium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Bismuth, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Boron, total	< 0.0500	MAC = 5	0.0500	mg/L	2026-05-14	
Cadmium, total	< 0.000010	MAC = 0.007	0.000010	mg/L	2026-05-14	
Calcium, total	**25.8**	None Required	0.20	mg/L	2026-05-14	
Chromium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-05-14	
Cobalt, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Copper, total	**0.00395**	MAC = 2	0.00040	mg/L	2026-05-14	

CARO ANALYTICAL SERVICES

TEST RESULTS

REPORTED TO	West Kelowna, City of	**WORK ORDER**	26E1368
PROJECT	Rose Valley Water Service Area - General	**REPORTED**	2026-05-22 13:35

Analyte	Result	Guideline	RL	Units	Analyzed	Qualifier
VINEYARD VIEW SS (26E1368-08) | Matrix: Drinking Water | Sampled: 2026-05-12 10:45, Continued						
Total Metals, Continued						
Iron, total	< 0.010	AO ≤ 0.1	0.010	mg/L	2026-05-14	
Lead, total	< 0.00020	MAC = 0.005	0.00020	mg/L	2026-05-14	
Lithium, total	**0.00232**	N/A	0.00010	mg/L	2026-05-14	
Magnesium, total	**5.12**	None Required	0.010	mg/L	2026-05-14	
Manganese, total	**0.00218**	MAC = 0.12	0.00020	mg/L	2026-05-14	
Molybdenum, total	**0.00169**	N/A	0.00010	mg/L	2026-05-14	
Nickel, total	**0.00045**	N/A	0.00040	mg/L	2026-05-14	
Phosphorus, total	< 0.050	N/A	0.050	mg/L	2026-05-14	
Potassium, total	**1.46**	N/A	0.10	mg/L	2026-05-14	
Selenium, total	< 0.00050	MAC = 0.05	0.00050	mg/L	2026-05-14	
Silicon, total	**9.0**	N/A	1.0	mg/L	2026-05-14	
Silver, total	< 0.000050	None Required	0.000050	mg/L	2026-05-14	
Sodium, total	**8.78**	AO ≤ 200	0.10	mg/L	2026-05-14	
Strontium, total	**0.127**	MAC = 7	0.0010	mg/L	2026-05-14	
Sulfur, total	< 3.0	N/A	3.0	mg/L	2026-05-14	
Tellurium, total	< 0.00050	N/A	0.00050	mg/L	2026-05-14	
Thallium, total	< 0.000020	N/A	0.000020	mg/L	2026-05-14	
Thorium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Tin, total	< 0.00020	N/A	0.00020	mg/L	2026-05-14	
Titanium, total	< 0.0050	N/A	0.0050	mg/L	2026-05-14	
Tungsten, total	< 0.0010	N/A	0.0010	mg/L	2026-05-14	
Uranium, total	< 0.000020	MAC = 0.02	0.000020	mg/L	2026-05-14	
Vanadium, total	< 0.0050	N/A	0.0050	mg/L	2026-05-14	
Zinc, total	< 0.0040	AO ≤ 5	0.0040	mg/L	2026-05-14	
Zirconium, total	< 0.00010	N/A	0.00010	mg/L	2026-05-14	
Volatile Organic Compounds (VOC)						
Bromodichloromethane	**0.0038**	N/A	0.0010	mg/L	2026-05-15	
Bromoform	< 0.0010	N/A	0.0010	mg/L	2026-05-15	
Chloroform	**0.0532**	N/A	0.0010	mg/L	2026-05-15	
Dibromochloromethane	< 0.0010	N/A	0.0010	mg/L	2026-05-15	
Surrogate: Toluene-d8	*88*		*70-130*	%	*2026-05-15*	
Surrogate: 4-Bromofluorobenzene	*88*		*70-130*	%	*2026-05-15*	

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).
S02	Surrogate recovery outside of control limits. Data accepted based on acceptable recovery of other surrogates.