CITY OF WEST KELOWNA

Monthly Water Quality Report

Rose Valley Water Service Area

October 2026

WATER SUPPLY AND TREATMENT

CITY OF
WEST
KELOWNA

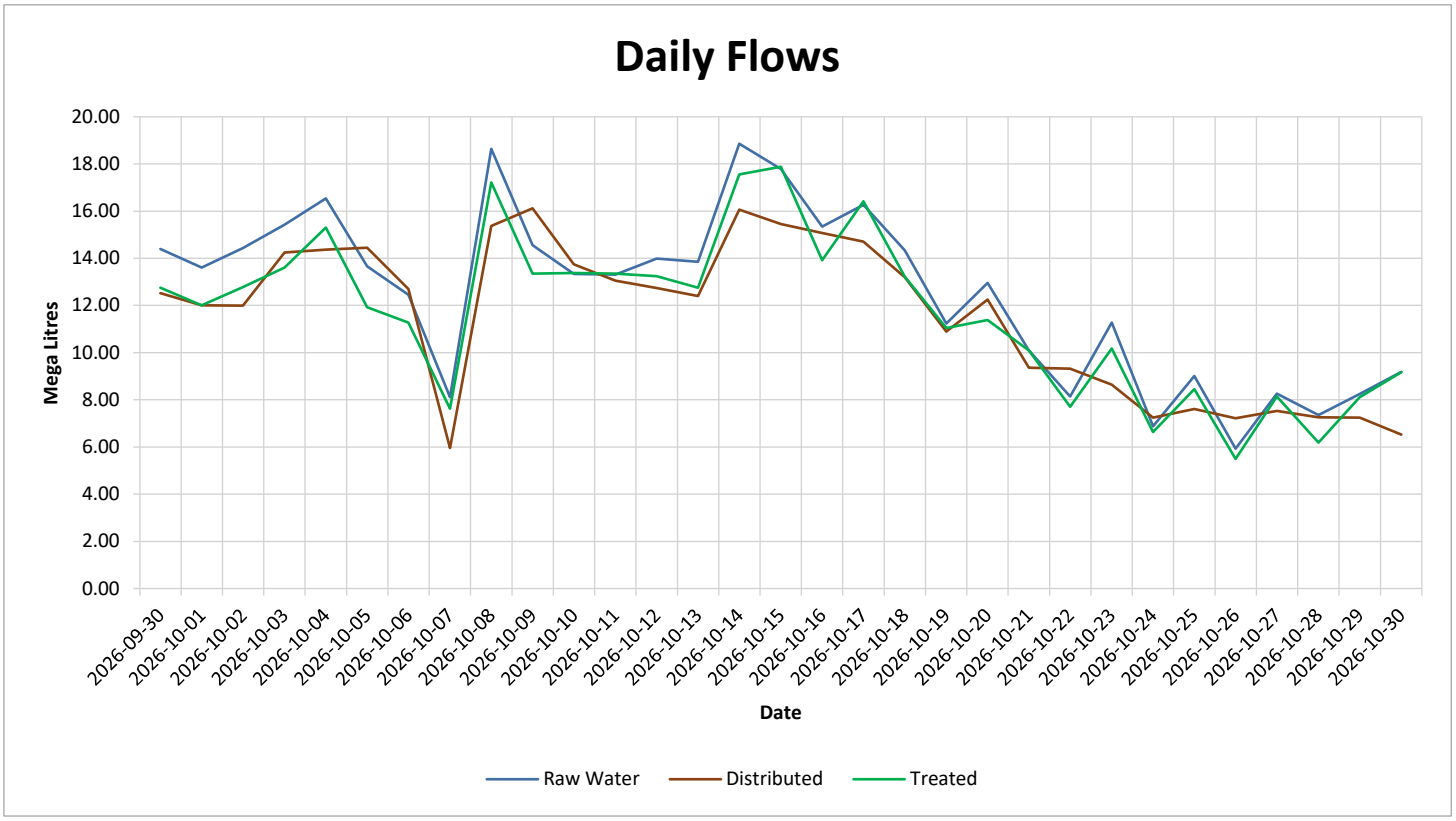
Rose Valley
Water Treatment Plant Monthly
Water Quality Summary

2026-11-18

October, 2026

Flow Demand:

	Total for Month	
Raw Processed Water:	387.48	ML
Treated Water :	362.11	ML
Distributed Water :	357.29	ML
Backwash Water :	25.65516	ML



Notes:

Raw Water Specifications:

	Raw Turbidity (NTU)			Raw pH		
Date	Min	Max	Average	Min	Max	Average
2026-10-01	0.44	3.38	0.76	7.50	7.71	7.62
2026-10-02	0.39	1.06	0.57	7.61	7.84	7.66
2026-10-03	0.42	5.29	0.72	7.55	7.67	7.62
2026-10-04	0.41	1.63	0.73	7.53	7.62	7.58
2026-10-05	0.49	1.00	0.66	7.51	7.65	7.57
2026-10-06	0.26	2.56	0.78	7.52	7.73	7.63
2026-10-07	0.30	8.51	0.58	7.61	7.69	7.65
2026-10-08	0.50	2.64	0.67	7.56	7.69	7.64
2026-10-09	0.24	1.34	0.61	7.50	7.64	7.58
2026-10-10	0.20	9.40	0.51	7.59	7.73	7.66
2026-10-11	0.47	11.06	0.77	7.57	7.64	7.61
2026-10-12	0.29	1.73	0.47	7.54	7.61	7.58
2026-10-13	0.25	3.08	0.48	7.46	7.56	7.50
2026-10-14	0.20	1.23	0.46	7.39	7.61	7.52
2026-10-15	0.27	1.27	0.54	7.56	7.61	7.57
2026-10-16	0.33	5.51	0.63	7.49	7.59	7.54
2026-10-17	0.45	4.60	0.78	7.40	7.60	7.54
2026-10-18	0.38	0.94	0.56	7.55	7.63	7.59
2026-10-19	0.46	2.16	0.63	7.54	7.59	7.57
2026-10-20	0.31	2.25	0.50	7.50	7.58	7.56
2026-10-21	0.19	0.73	0.35	7.41	7.58	7.48
2026-10-22	0.26	1.65	0.65	7.43	7.56	7.48
2026-10-23	0.01	7.53	0.67	7.49	7.65	7.55
2026-10-24	0.31	0.69	0.44	7.47	7.61	7.53
2026-10-25	0.28	0.44	0.36	7.46	7.56	7.50
2026-10-26	0.00	1.48	0.51	7.54	7.66	7.60
2026-10-27	0.39	2.20	0.53	7.49	7.64	7.57
2026-10-28	0.02	0.86	0.54	7.51	7.67	7.58
2026-10-29	0.00	0.89	0.54	7.55	7.70	7.65
2026-10-30	0.00	0.95	0.60	7.59	7.66	7.63
2026-10-31	0.00	0.60	0.48	7.61	7.71	7.68

Notes:

Raw Water Specifications (Continued):

	Raw Temp (˚C)			Raw DOC (mg/L)		
Date	Min	Max	Average	Min	Max	Average
2026-10-01	13.78	14.67	14.04	13.53	13.77	13.65
2026-10-02	13.62	15.79	14.07	13.53	13.77	13.65
2026-10-03	13.54	14.36	13.77	13.53	13.77	13.64
2026-10-04	13.37	13.56	13.48	13.48	13.82	13.65
2026-10-05	13.05	13.55	13.37	13.53	13.77	13.65
2026-10-06	13.06	13.53	13.27	13.48	13.82	13.65
2026-10-07	13.14	13.38	13.25	13.48	13.82	13.65
2026-10-08	13.21	13.59	13.32	13.48	13.82	13.65
2026-10-09	12.84	13.29	13.15	13.48	13.77	13.65
2026-10-10	13.16	13.45	13.26	13.53	13.72	13.65
2026-10-11	13.02	13.45	13.12	13.48	13.77	13.65
2026-10-12	12.95	13.31	13.03	13.53	13.77	13.65
2026-10-13	12.74	13.14	12.88	13.53	16.70	13.95
2026-10-14	12.32	13.01	12.60	14.36	14.70	14.55
2026-10-15	12.40	12.58	12.47	14.41	14.65	14.55
2026-10-16	12.24	12.50	12.37	14.36	14.70	14.55
2026-10-17	11.94	12.36	12.20	14.36	14.75	14.55
2026-10-18	12.09	12.43	12.18	14.41	14.65	14.55
2026-10-19	12.06	12.27	12.17	14.41	14.65	14.55
2026-10-20	12.11	14.01	12.53	14.41	14.65	14.54
2026-10-21	12.10	13.50	12.74	14.41	14.65	14.55
2026-10-22	11.66	13.01	12.26	14.41	14.65	14.55
2026-10-23	11.61	13.03	12.00	14.46	14.65	14.55
2026-10-24	11.37	11.79	11.55	14.41	14.65	14.55
2026-10-25	11.14	11.55	11.33	14.41	14.65	14.55
2026-10-26	11.01	11.30	11.15	14.41	14.65	14.55
2026-10-27	10.91	12.85	11.34	14.41	14.65	14.55
2026-10-28	10.61	11.35	10.96	14.41	14.65	14.55
2026-10-29	10.57	11.07	10.79	14.41	14.70	14.55
2026-10-30	10.65	10.99	10.76	14.41	14.65	14.55
2026-10-31	10.63	11.28	10.83	14.41	14.65	14.55

Notes:

Raw Water Specifications (Continued):

	Raw Cond R (µS/cm)			Streaming Current		
Date	Min	Max	Average	Min	Max	Average
2026-10-01	142.82	180.27	172.59	-244.08	324.66	136.70
2026-10-02	129.94	173.56	146.33	-157.88	412.82	135.66
2026-10-03	135.77	156.83	145.07	-78.51	244.08	187.99
2026-10-04	154.69	173.53	162.73	146.64	227.96	187.01
2026-10-05	162.33	175.15	170.50	-81.93	379.61	130.11
2026-10-06	167.18	180.02	175.84	65.32	159.34	112.17
2026-10-07	165.30	181.27	177.15	-65.81	329.06	101.66
2026-10-08	170.15	181.24	178.58	-183.76	357.88	50.21
2026-10-09	170.90	181.43	178.29	-97.80	348.84	75.81
2026-10-10	177.86	181.11	179.28	-129.79	318.32	45.45
2026-10-11	177.10	181.01	178.90	-148.35	364.71	56.44
2026-10-12	177.63	181.21	179.14	-42.86	373.02	69.84
2026-10-13	178.10	181.51	179.64	-219.90	376.43	57.63
2026-10-14	137.44	183.91	180.03	17.70	158.12	91.78
2026-10-15	163.53	182.28	177.95	-180.34	315.14	90.99
2026-10-16	165.96	181.97	179.11	-150.79	320.02	76.15
2026-10-17	174.79	180.89	177.76	-153.72	314.65	67.01
2026-10-18	176.49	179.88	178.16	-127.11	338.83	67.90
2026-10-19	167.75	180.45	178.28	-140.29	347.62	34.88
2026-10-20	131.80	180.54	162.76	-197.19	350.06	43.18
2026-10-21	132.70	173.09	162.73	-32.84	332.72	74.18
2026-10-22	163.31	176.84	172.42	-226.01	306.84	19.15
2026-10-23	153.50	176.01	171.93	-133.94	356.90	44.46
2026-10-24	174.38	180.09	177.74	-161.05	341.76	31.00
2026-10-25	177.68	180.79	179.37	-50.18	347.62	60.28
2026-10-26	176.15	180.48	178.79	-161.05	346.40	43.74
2026-10-27	173.31	180.00	177.85	-192.80	324.18	41.60
2026-10-28	170.04	181.16	178.86	-127.11	341.76	31.11
2026-10-29	171.89	180.25	178.03	-221.86	331.50	-12.93
2026-10-30	173.94	178.49	176.64	-141.03	350.06	28.00
2026-10-31	168.01	176.91	174.40	-152.99	353.72	11.32

Notes:

Raw Water Specifications (Continued):

	Coagulated pH			Coagulated Temp (˚C)		
Date	Min	Max	Average	Min	Max	Average
2026-10-01				13.72	14.88	13.93
2026-10-02				13.54	14.80	13.77
2026-10-03				13.51	13.86	13.65
2026-10-04				13.44	13.64	13.53
2026-10-05				13.02	13.68	13.41
2026-10-06				13.12	13.61	13.36
2026-10-07				13.20	13.40	13.30
2026-10-08				13.19	13.46	13.29
2026-10-09				12.93	13.69	13.24
2026-10-10				13.17	13.86	13.44
2026-10-11				13.01	13.84	13.26
2026-10-12				12.91	13.75	13.13
2026-10-13				12.69	13.61	12.98
2026-10-14				12.41	12.80	12.53
2026-10-15				12.44	12.80	12.51
2026-10-16				12.22	12.91	12.41
2026-10-17				11.85	12.61	12.21
2026-10-18				12.06	12.64	12.22
2026-10-19				12.06	12.71	12.23
2026-10-20				11.95	12.66	12.12
2026-10-21				11.81	12.53	12.02
2026-10-22				11.68	12.56	11.98
2026-10-23				11.63	12.31	11.86
2026-10-24				11.32	12.34	11.72
2026-10-25				11.10	12.03	11.49
2026-10-26				10.97	11.87	11.33
2026-10-27				10.67	11.86	11.08
2026-10-28				10.60	11.84	11.20
2026-10-29				10.50	11.32	10.74
2026-10-30				10.32	11.40	10.68
2026-10-31				10.14	11.32	10.63

Notes:

Coagulated pH Out of Service

Raw Water Specifications (Continued):

	Raw Cond Y (µS/cm)			Raw Water DO (mg/L)		
Date	Min	Max	Average	Min	Max	Average
2026-10-01	75.57	146.51	140.26	2.52	5.23	4.33
2026-10-02	135.73	140.18	137.43	4.31	6.01	4.97
2026-10-03	135.84	138.31	137.03	3.96	5.27	4.60
2026-10-04	136.48	138.34	137.38	3.74	4.66	4.32
2026-10-05	5.14	163.93	137.03	3.43	4.91	4.28
2026-10-06	31.41	158.46	136.06	3.80	6.29	5.23
2026-10-07	130.42	136.91	135.06	4.26	5.57	5.23
2026-10-08	23.98	162.69	135.05	4.66	5.36	5.09
2026-10-09	0.39	136.88	134.13	3.29	5.43	4.50
2026-10-10	133.56	135.72	134.43	4.53	6.12	5.39
2026-10-11	133.69	136.36	134.36	4.12	5.28	4.82
2026-10-12	134.00	136.33	135.12	4.05	4.96	4.45
2026-10-13	20.88	162.55	136.56	2.61	4.48	3.50
2026-10-14	46.97	162.66	136.04	1.15	5.38	3.65
2026-10-15	43.81	166.07	133.27	4.23	5.02	4.52
2026-10-16	131.73	136.27	134.22	3.02	5.83	3.94
2026-10-17	130.11	141.64	133.18	1.18	5.18	4.09
2026-10-18	130.45	132.83	131.63	4.19	5.27	4.83
2026-10-19	32.86	136.69	131.90	4.22	4.90	4.56
2026-10-20	98.78	133.82	132.53	3.77	4.62	4.32
2026-10-21	132.88	138.84	135.61	1.71	4.04	2.82
2026-10-22	3.61	165.20	134.65	1.60	4.18	2.92
2026-10-23	22.69	162.55	130.93	3.59	5.74	4.51
2026-10-24	127.41	132.24	130.01	3.42	5.63	4.42
2026-10-25	126.32	131.19	129.71	3.14	4.87	3.82
2026-10-26	47.39	169.04	125.21	4.64	6.17	5.50
2026-10-27	48.26	154.46	125.88	3.97	5.98	4.90
2026-10-28	34.52	152.41	124.56	4.13	6.61	5.25

Notes:

Raw Water Specifications (Continued):

	Raw Manganese (ppm)		
Date	Min	Max	Average
2026-10-01	0.28	0.59	0.41
2026-10-02	0.22	0.48	0.34
2026-10-03	0.26	0.55	0.40
2026-10-04	0.26	0.56	0.41
2026-10-05	0.25	0.63	0.43
2026-10-06	0.26	0.41	0.32
2026-10-07	0.20	0.34	0.27
2026-10-08	0.23	0.38	0.27
2026-10-09	0.06	0.26	0.19
2026-10-10	0.03	0.07	0.04
2026-10-11	0.04	0.04	0.04
2026-10-12	0.04	0.04	0.04
2026-10-13	0.04	0.12	0.07
2026-10-14	0.08	1.53	0.12
2026-10-15	0.08	0.13	0.11
2026-10-16	0.09	0.19	0.15
2026-10-17	0.10	0.27	0.13
2026-10-18	0.12	0.12	0.12
2026-10-19	0.12	0.15	0.13
2026-10-20	0.14	0.26	0.16
2026-10-21	0.17	0.42	0.22
2026-10-22	0.17	0.23	0.20
2026-10-23	0.07	0.37	0.14
2026-10-24	0.07	0.19	0.13
2026-10-25	0.06	0.18	0.13
2026-10-26	0.02	0.23	0.05
2026-10-27	0.01	0.58	0.06
2026-10-28	0.01	0.09	0.06
2026-10-29	0.02	0.32	0.04
2026-10-30	0.01	0.05	0.03
2026-10-31	0.05	0.05	0.05

Notes:

Train 1 Filter Turbidity (NTU):

	Filter 1			Filter 2			Filter 3		
Date	Min	Max	Average	Min	Max	Average	Min	Max	Average
2026-10-01	0.02	0.06	0.03	0.01	0.03	0.01	0.01	0.03	0.02
2026-10-02	0.02	0.05	0.03	0.01	0.03	0.01	0.01	0.04	0.02
2026-10-03	0.02	0.04	0.03	0.01	0.02	0.01	0.01	0.03	0.02
2026-10-04	0.02	0.05	0.03	0.01	0.03	0.02	0.01	0.03	0.02
2026-10-05	0.02	0.06	0.03	0.01	0.04	0.02	0.01	0.03	0.02
2026-10-06	0.02	0.05	0.03	0.01	0.03	0.01	0.01	0.04	0.02
2026-10-07	0.02	0.06	0.03	0.01	0.02	0.01	0.01	0.04	0.02
2026-10-08	0.02	0.07	0.03	0.01	0.03	0.01	0.01	0.05	0.02
2026-10-09	0.01	0.04	0.02	0.01	0.02	0.01	0.01	0.02	0.02
2026-10-10	0.01	0.03	0.02	0.01	0.01	0.01	0.01	0.03	0.01
2026-10-11	0.01	0.04	0.02	0.01	0.01	0.01	0.01	0.02	0.01
2026-10-12	0.01	0.11	0.02	0.01	0.05	0.01	0.01	0.08	0.02
2026-10-13	0.02	0.03	0.02	0.01	0.01	0.01	0.01	0.02	0.01
2026-10-14	0.02	0.11	0.04	0.01	0.09	0.02	0.01	0.14	0.03
2026-10-15	0.01	0.19	0.02	0.01	0.02	0.01	0.01	0.02	0.01
2026-10-16	0.01	0.26	0.02	0.01	0.12	0.02	0.01	0.23	0.03
2026-10-17	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.01
2026-10-18	0.01	0.22	0.02	0.01	0.13	0.01	0.01	0.23	0.02
2026-10-19	0.01	0.03	0.02	0.01	0.01	0.01	0.01	0.03	0.01
2026-10-20	0.01	0.05	0.02	0.01	0.13	0.01	0.01	0.27	0.02
2026-10-21	0.02	0.05	0.03	0.01	0.01	0.01	0.01	0.03	0.01
2026-10-22	0.02	0.04	0.03	0.01	0.16	0.01	0.01	0.04	0.01
2026-10-23	0.03	0.05	0.04	0.01	0.02	0.01	0.01	0.28	0.02
2026-10-24	0.04	0.06	0.04	0.01	0.01	0.01	0.00	0.03	0.01
2026-10-25	0.04	0.06	0.05	0.01	0.02	0.01	0.00	0.08	0.01
2026-10-26	0.02	0.08	0.04	0.02	0.04	0.02	0.01	0.13	0.02
2026-10-27	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.06	0.02
2026-10-28	0.01	0.04	0.02	0.01	0.03	0.02	0.02	0.26	0.03
2026-10-29	0.01	0.38	0.02	0.01	0.02	0.02	0.02	0.05	0.03
2026-10-30	0.01	0.25	0.04	0.01	0.03	0.01	0.03	0.06	0.04
2026-10-31	0.01	0.03	0.02	0.01	0.02	0.01	0.04	0.05	0.04

Notes:

Train 2 Filter Turbidity (NTU)

	Filter 4			Filter 5			Filter 6		
Date	Min	Max	Average	Min	Max	Average	Min	Max	Average
2026-10-01	0.02	0.04	0.02	0.01	0.05	0.01	0.01	0.06	0.02
2026-10-02	0.02	0.03	0.02	0.01	0.03	0.01	0.02	0.11	0.02
2026-10-03	0.02	0.04	0.02	0.01	0.03	0.01	0.01	0.08	0.02
2026-10-04	0.02	0.04	0.02	0.01	0.03	0.01	0.01	0.04	0.02
2026-10-05	0.02	0.04	0.02	0.01	0.02	0.01	0.01	0.04	0.02
2026-10-06	0.02	0.05	0.02	0.01	0.03	0.01	0.01	0.03	0.02
2026-10-07	0.02	0.05	0.02	0.01	0.03	0.01	0.01	0.04	0.02
2026-10-08	0.02	0.05	0.02	0.01	0.02	0.01	0.01	0.03	0.02
2026-10-09	0.01	0.07	0.02	0.01	0.04	0.01	0.01	0.03	0.02
2026-10-10	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.03	0.01
2026-10-11	0.01	0.02	0.01	0.00	0.01	0.01	0.01	0.02	0.01
2026-10-12	0.01	0.05	0.02	0.01	0.05	0.02	0.01	0.06	0.01
2026-10-13	0.01	0.09	0.03	0.01	0.07	0.02	0.01	0.02	0.01
2026-10-14	0.01	0.04	0.02	0.01	0.04	0.02	0.01	0.11	0.02
2026-10-15	0.01	0.04	0.02	0.04	0.07	0.05	0.01	0.02	0.01
2026-10-16	0.01	0.07	0.04	0.02	0.14	0.06	0.01	0.16	0.02
2026-10-17	0.02	0.05	0.03	0.05	0.06	0.06	0.01	0.02	0.01
2026-10-18	0.02	0.05	0.03	0.04	0.06	0.06	0.00	0.15	0.01
2026-10-19	0.02	0.04	0.03	0.06	0.08	0.07	0.01	0.02	0.01
2026-10-20	0.01	0.05	0.03	0.01	0.26	0.05	0.01	0.03	0.01
2026-10-21	0.01	0.16	0.02	0.01	0.03	0.01	0.01	0.03	0.02
2026-10-22	0.01	0.03	0.02	0.00	0.74	0.02	0.01	0.03	0.02
2026-10-23	0.02	0.22	0.03	0.01	0.03	0.01	0.01	0.02	0.01
2026-10-24	0.02	0.06	0.02	0.01	0.26	0.02	0.01	0.02	0.01
2026-10-25	0.02	0.05	0.02	0.01	0.03	0.01	0.01	0.02	0.01
2026-10-26	0.02	0.28	0.03	0.01	0.03	0.01	0.01	0.02	0.01
2026-10-27	0.02	0.06	0.02	0.01	0.03	0.01	0.01	0.02	0.01
2026-10-28	0.02	0.03	0.02	0.01	0.27	0.02	0.01	0.19	0.02
2026-10-29	0.01	0.03	0.02	0.01	0.03	0.01	0.01	0.02	0.01
2026-10-30	0.01	0.03	0.02	0.01	0.03	0.01	0.01	0.02	0.01
2026-10-31	0.02	0.11	0.02	0.01	0.02	0.01	0.01	0.02	0.01

Notes:

UV Treatment:

Date	Average Flow (L/s)	Avg Validated Dose (mj/cm2)	Undosed Flow (ML)
2026-10-01	190.62	21.00	0.0001
2026-10-02	163.26	19.91	0.0036
2026-10-03	194.25	21.99	0.0000
2026-10-04	135.22	17.39	0.0000
2026-10-05	240.78	22.00	0.0003
2026-10-06	237.98	21.14	0.0000
2026-10-07	222.81	16.94	0.0000
2026-10-08	218.03	17.12	0.0002
2026-10-09	153.10	11.42	0.0002
2026-10-10	156.97	13.80	0.0000
2026-10-11	168.64	15.24	0.0000
2026-10-12	143.91	13.18	0.0005
2026-10-13	183.82	19.00	0.0002
2026-10-14	210.40	20.70	0.0000
2026-10-15	176.29	18.94	0.0000
2026-10-16	189.94	20.09	0.0001
2026-10-17	179.05	19.17	0.0002
2026-10-18	125.78	14.42	0.0000
2026-10-19	143.97	18.08	0.0001
2026-10-20	136.33	16.88	0.0002
2026-10-21	105.32	14.56	0.0002
2026-10-22	102.15	14.38	0.0005
2026-10-23	110.65	15.14	0.0003
2026-10-24	71.30	10.21	0.0002
2026-10-25	102.80	14.27	0.0002
2026-10-26	91.61	12.87	0.0005
2026-10-27	72.05	10.33	0.0010
2026-10-28	102.74	14.46	0.0002
2026-10-29	75.28	10.66	0.0001
2026-10-30	93.91	13.78	0.0000
2026-10-31	71.24	13.22	0.0002

Monthly Total (ML): 0.0092

% of monthly water that was not UV treated: 0.003%

Notes:

UV Transmittance %:

Date	Min	Max	Average
2026-10-01	89.35	91.36	90.47
2026-10-02	89.69	91.36	90.30
2026-10-03	89.65	90.96	90.38
2026-10-04	89.16	90.96	90.39
2026-10-05	89.06	90.92	90.18
2026-10-06	88.79	90.06	89.50
2026-10-07	88.25	89.89	89.16
2026-10-08	65.35	100.00	88.46
2026-10-09	87.11	90.09	88.24
2026-10-10	86.62	88.50	87.96
2026-10-11	85.76	89.04	88.18
2026-10-12	81.37	89.04	88.11
2026-10-13	81.78	90.06	88.49
2026-10-14	71.09	89.35	88.37
2026-10-15	86.98	89.18	88.30
2026-10-16	86.57	89.52	88.30
2026-10-17	85.49	89.30	88.28
2026-10-18	85.25	89.06	88.14
2026-10-19	83.66	89.18	88.33
2026-10-20	81.07	89.23	88.42
2026-10-21	67.35	89.82	88.82
2026-10-22	56.24	90.38	88.69
2026-10-23	35.85	89.57	88.25
2026-10-24	45.93	90.45	88.37
2026-10-25	46.45	89.52	88.52
2026-10-26	53.26	89.89	88.20
2026-10-27	57.00	89.16	88.10
2026-10-28	53.46	89.40	88.13
2026-10-29	61.49	89.06	88.00
2026-10-30	0.00	89.28	88.11
2026-10-31	0.00	89.45	88.16

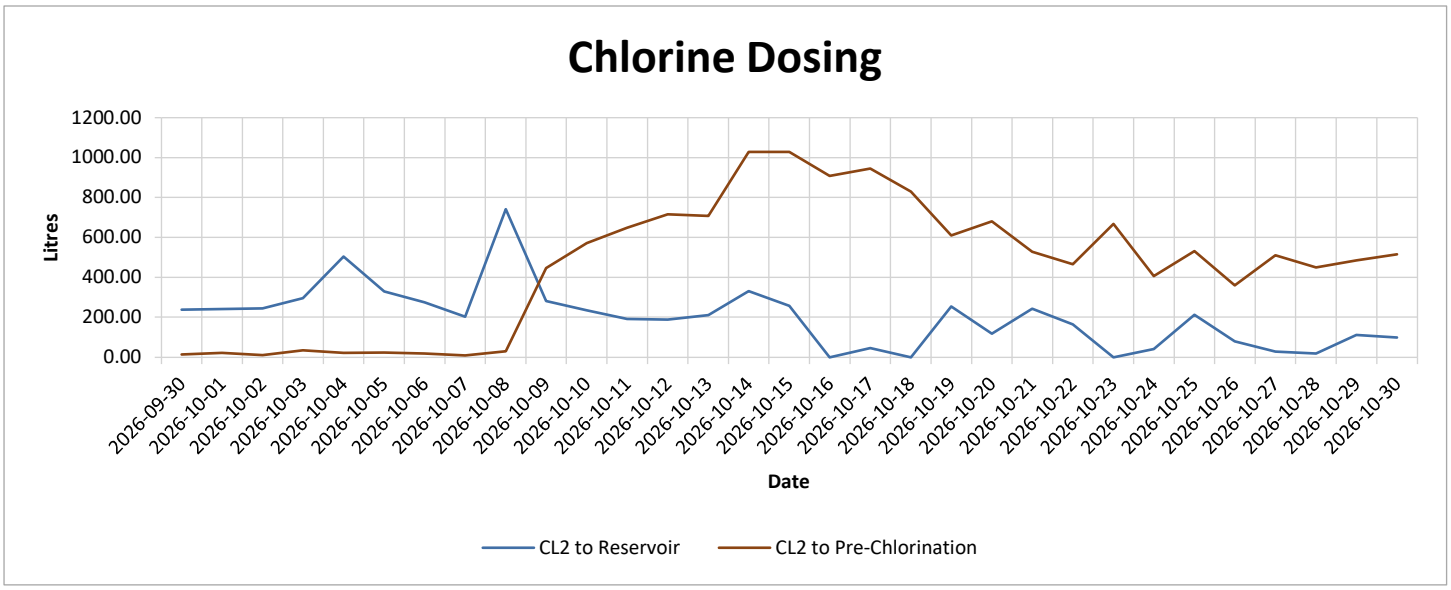
Notes:

Drop in minimum UVT value due to periodic loss of flow to analyzer

Chemical Demand:

Chlorine Used:

Total for Month
20376.01 Litres

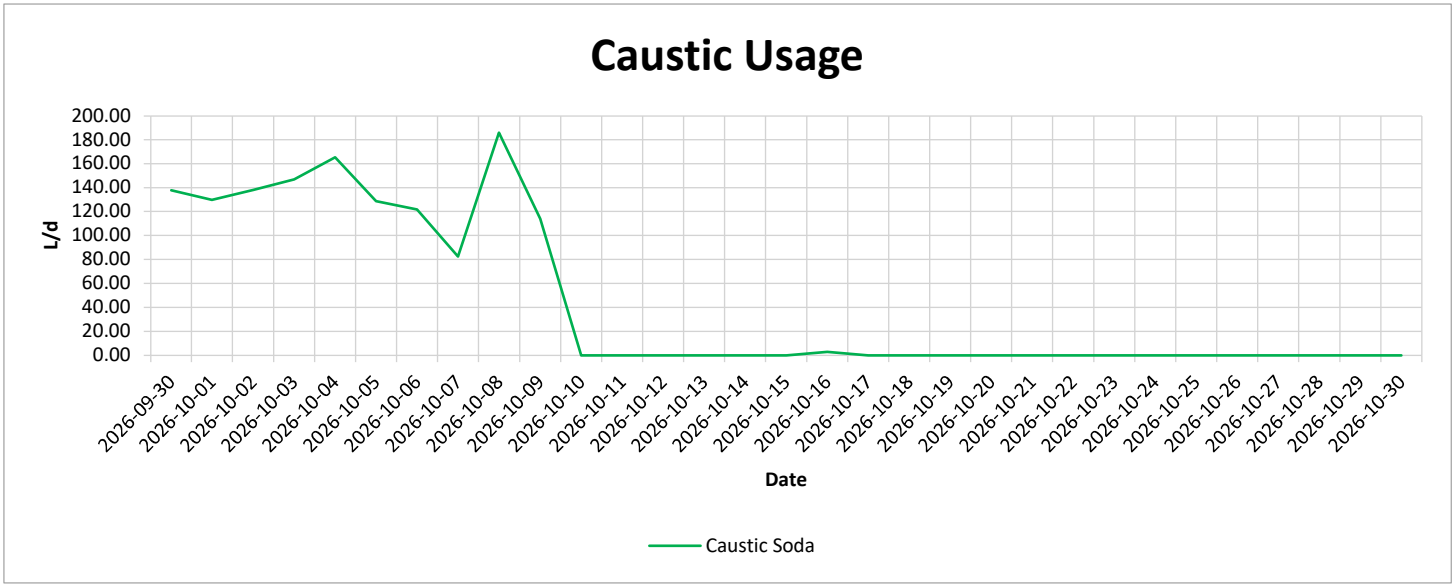


Notes:

Oct 9th - Put Pre-Chlorination Online

Casutic Soda Used:

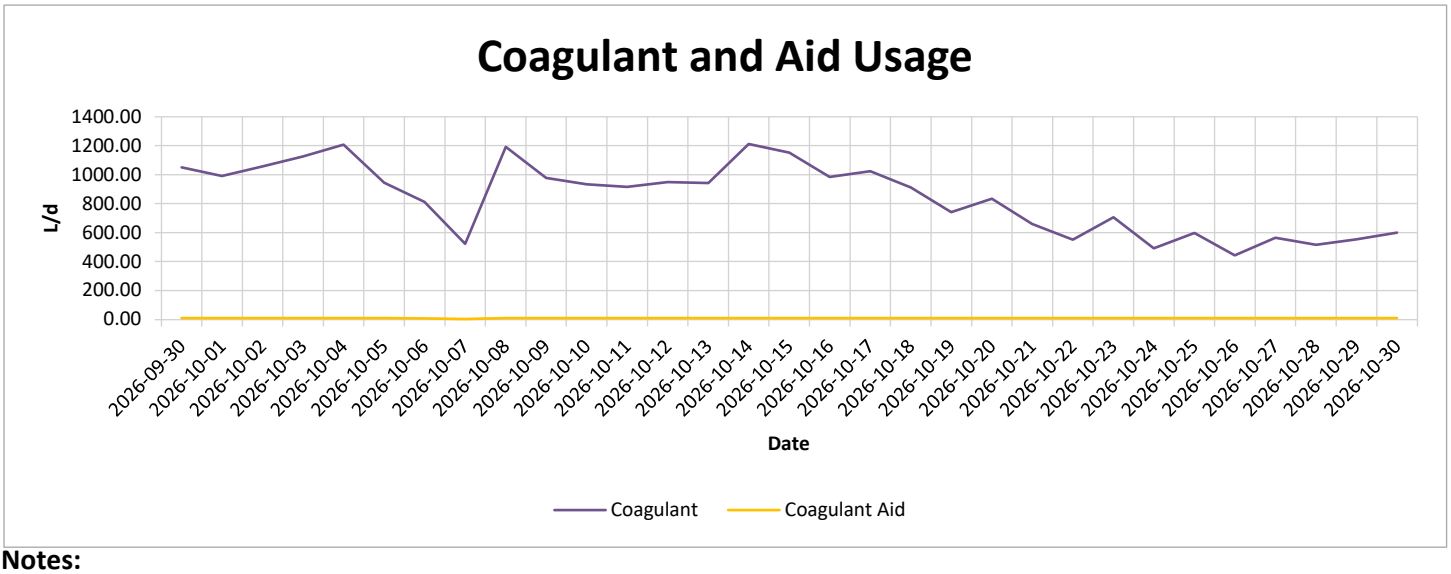
Total for Month
1353.00 Litres



Notes:

Oct 9th - Turned off Caustic pumps for repair, waiting on parts

	Total for Month	
Coagulant Used:	26166.98	Litres
Coagulant Aid Used:	288.38	Litres



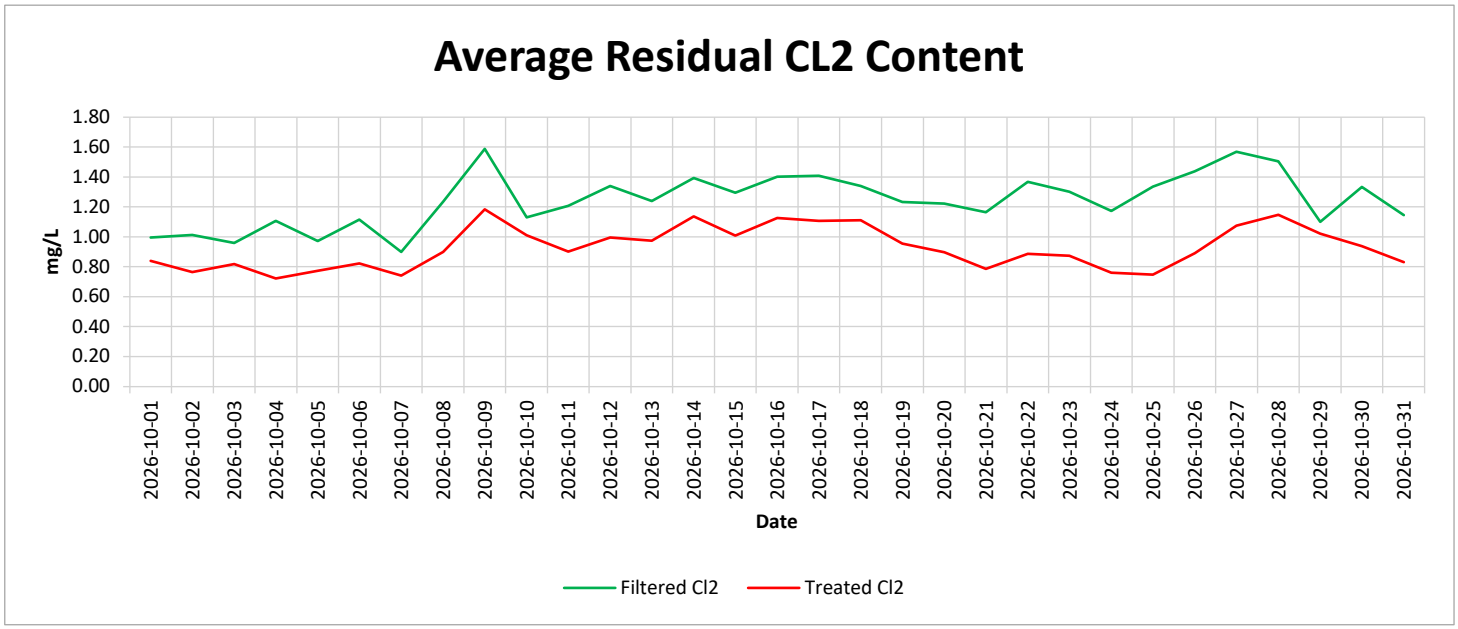
Notes:

	Total for Month	
Polymer @ .2% Concentration:	78101.87	Litres

	Total for Month	
Polymer @ .5% Concentration:	78701.79	Litres

Chlorine Dose

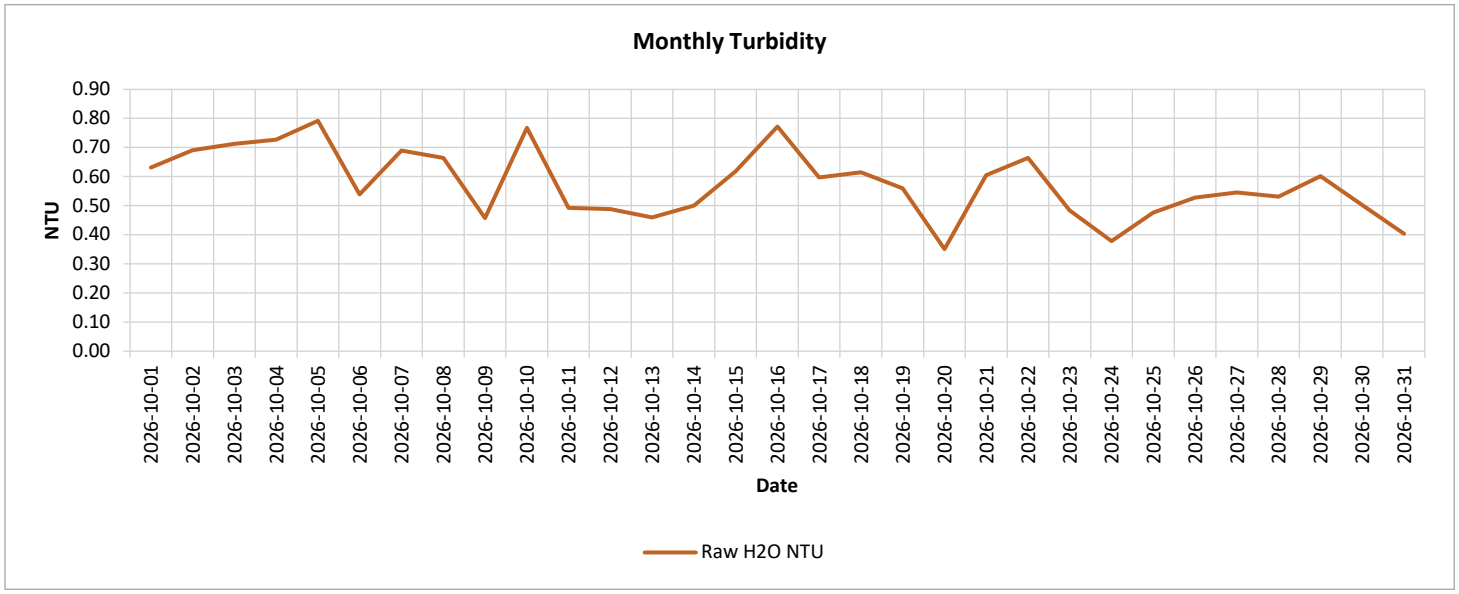
Filtered Water Residual Cl2 Average (mg/L):	1.24	mg/L
Treated Water (Distributed) Cl2 Average (mg/L):	0.93	mg/L



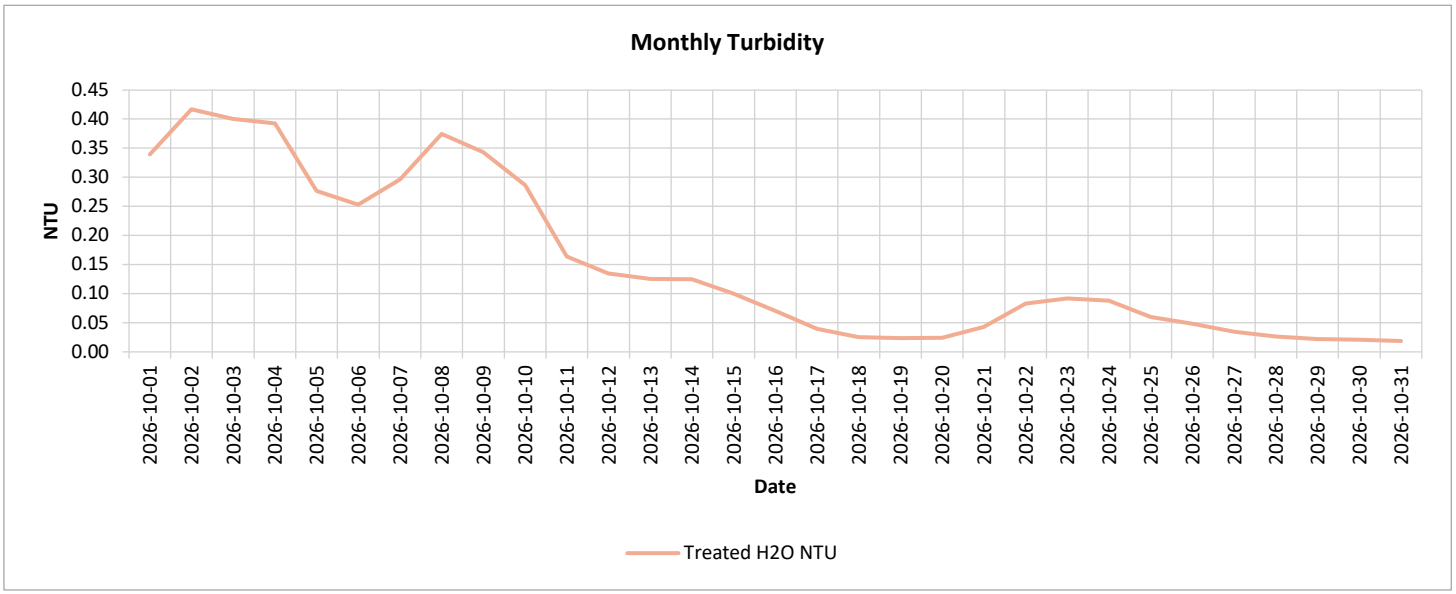
Water Quality Analytics:

Turbidity

Raw Water Monthly Average: 0.58 NTU



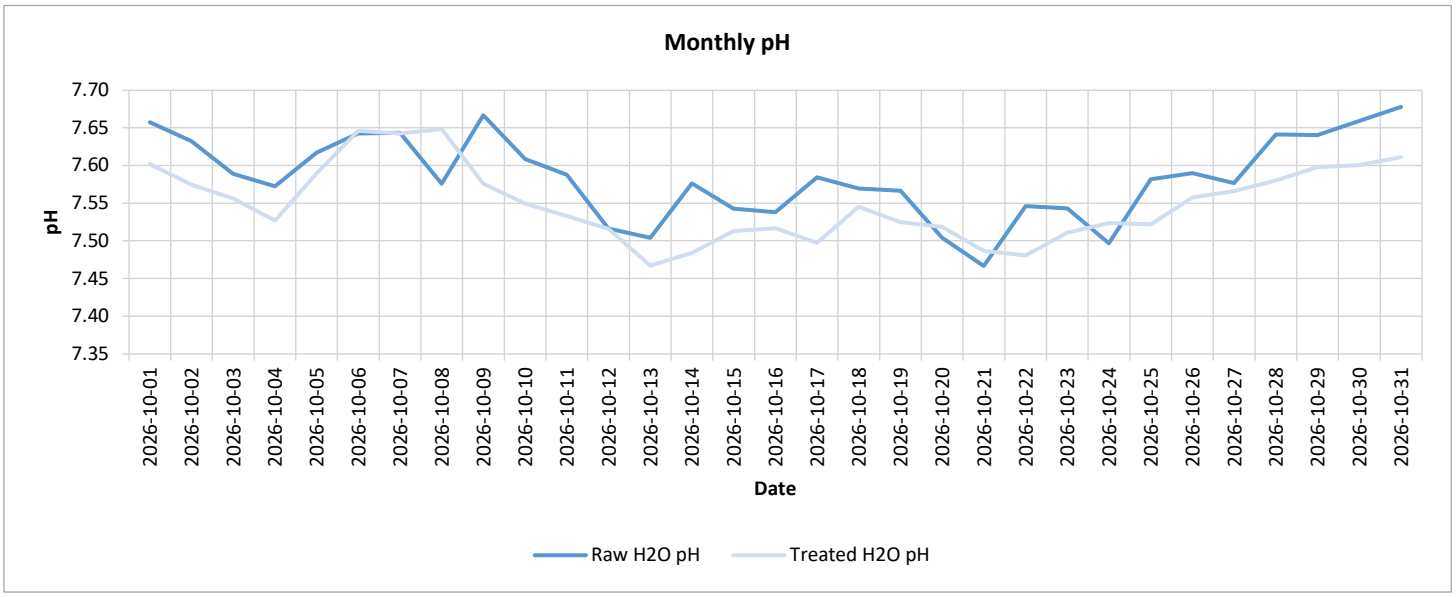
Treated Water Monthly Average: 0.15 NTU



Notes:

pH

Raw Water Monthly Average:	7.58	pH
Treated Water Monthly Average:	7.55	pH



Notes:

Rose Valley WTP Operational Highlights:

Oct 1 - Lowered Sodium Perm Dose 1.7 to 1.4mg/L
Oct 2 - Overflowed Reservoir for turnover, Lowered Sodium Perm Dose 1.4 to 1.2mg/L
Oct 4 - Increased Sodium Perm Dose 1.2 to 1.7mg/L
Oct 5 - Lowered Coagulant Dose 100 to 90mg/L
Oct 5 - Treatment Plant notified of Discoloured water complaints
Oct 7 - Increased Sodium Perm Dose 1.7 to 1.9mg/L, Lowered Coagulant Dose 90 to 88mg/L
Oct 9 - Took Sodium Perm system offline, Turned on Pre-Chlorination @ 4.0mg/L
Oct 10 - Increased Pre-Chlorination dose 4.0 to 4.5mg/L
Oct 11 - Increased Pre-Chlorination Dose 4.5 to 5.0mg/L
Oct 13 - Trial new polymer for Centrifuge operation, Coagulant Delivery received
Oct 14 - Increased Pre-Chlorination Dose 5.0 to 5.5mg/L, Received Hypo delivery
Oct 15 - Increased Pre-Chlorination Dose 5.5 to 6.0mg/L
Oct 16 - Lowered Coagulant Dose 88 to 85mg/L
Oct 19 - Lowered Pre-Chlorination Dose 6.0 to 5.5mg/L
Oct 21 - Lowered Coagulant Dose 85 to 82mg/L
Oct 22 - Increased Pre-Chlorination Dose 5.5 to 6.0mg/L
Oct 26 - Hypo Dilution panel install complete, Increased Pre-Chlorination 6.0 to 6.25mg/L
Oct 27 - Hypo delivery received, Dilution to 6% concentration
Oct 29 - Reduced Pre-Chlorination Dose 6.25 to 5.85mg/L

Rose Valley Watershed Operational Highlights:

Dam inspections and levels completed weekly for RV and Bighorn

Esperon
Oct 6 - Put up new markers for snow course
Bighorn
Oct 6 - Completed Piezometers level was 1348.2M
Oct 28 - Level was 1345.4m
BCI/Rotork
Oct 1 - Closed Rotork to 25%
Oct 5 - Closed Rotork to 20%
Oct 28 - Closed Rotork to 15%
Fish flow was maintained at BCI for the month
RV
Oct 1 - Level 596.58m
Oct 21 - Completed Piezometers
Oct 28 - Level 597.26m

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

October 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 October.
- October 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*.
- October 2, 2026 – Lower Boucherie PS high strength hypo concentration tested, changed to 8.8% on PLC.
- October 2, 2026 – Menu PS high strength hypo concentration tested, changed to 7.2% on PLC.
- October 5, 2026 – Rosewood PS online analyser was serviced and cleaned. pH and ORP did not require calibration, FCR online analyser calibration adjustment of 0.45mg/L decrease.
- October 5, 2026 – Blackwood PS online analyser was serviced, FCR and pH calibration adjustment of 0.17mg/L increase for FCR and 0.20 decrease for pH.
- October 5, 2026 – Menu PS online analyser was serviced, pH, ORP and FCR calibration adjustment of 0.13mg/L decrease for FCR, 0.38 decrease for pH and 120mV increase for ORP.
    - October 6, 2026 – Menu PS verification was completed on analyser and a calibration adjustment of 0.10mg/L increase was made to FCR.
- October 9, 2026 – Lower Boucherie PS high strength hypo concentration tested, changed to 7.2% on PLC.
- October 10, 2026 – Rosewood PS online FCR analyser calibration adjustment of 0.67mg/L decrease.
- October 13, 2026 – Blackwood PS online FCR analyser calibration adjustment of 0.32mg/L decrease.
- October 13, 2026 – Due to the presence of elevated manganese concentrations within the distribution system and the transition from permanganate treatment to chlorine pre-oxidation at the treatment plant, FCR levels leaving the plant were anticipated to be higher than normal. To prevent excessive chlorine residuals within the distribution system during the stabilization period, sodium hypochlorite dosing was temporarily suspended at the following locations: Lakeview Pump Station, Pinewoods Pump Station, and Tallis Ridge Reservoir. The sodium hypochlorite dosing will remain offline until distribution system FCR levels reached stable operating conditions and target residual concentrations were achieved.
- October 14, 2026 – Lower Boucherie PS online FCR analyser calibration adjustment of 0.30mg/L decrease.
- October 23, 2026 – Rosewood PS during routine maintenance of the online analyser turbidity, ORP and FCR all spiked with erroneous values. These spikes were removed from the data set.
- October 23, 2026 – Blackwood PS online FCR analyser calibration adjustment of 1.37mg/L decrease.
- October 26, 2026 – Upper Boucherie Reservoir back feed to Lower Boucherie Reservoir to promote turnover in the reservoir and increase the FCR.
    - Additionally, Viognier PRV was run at a higher flow rate to help the turnover in the area.

- October 26, 2026 – Upper Boucherie Reservoir online FCR analyser for the Inlet had calibration adjustment of 0.29mg/L decrease.
- October 27, 2026 – Tallus Reservoir was turned over through valve changes between Tallus and the Shannon Woods Reservoir to encourage better FCR in Tallus.
- October 28, 2026 – Lower Boucherie PS high strength hypo concentration tested, changed to 6.4% on PLC.
- October 29, 2026 – Upper Boucherie Reservoir back feed to Lower Boucherie Reservoir to promote turnover in the reservoir and increase the FCR.
    - Additionally, the hypo dosing system was serviced at Lower Boucherie PS.

Operational System Improvements/Events

- October 2, 2026 – The following works was completed at Lakeview Cove PS, Tallus Reservoir, Menu PS and Blackwood PS; the hypo dosing pump system was serviced including replacing inlet/outlet pump check valves, replacing pump diaphragms, replacing pump seals, replacing body screws and bleeding all air and testing operations after works completed
- October 4, 2026 – Menu PS elevated turbidity was observed from 12am till 7am with the average turbidity over the 24 hour period being 0.71NTU. This coincided with the same day the distribution network responded to a water quality concern of discoloured water at Merlot Court.
    - Further reports were received the following day October 5th, 2026. The Utility followed up with further investigation and consultation with Interior Health Authority. Through that collaboration it was confirmed that the discoloured water was an aesthetic issue and still meet all drinking water guidelines and therefore no Water Quality Advisory was issued.
    - The investigation concluded that the discoloration is due to low levels of naturally occurring manganese that are affecting the aesthetic quality of the water. Contributing factors include a mechanical issue with the pre-oxidation system responsible for manganese removal, as well as seasonal reservoir conditions and reduced reservoir levels, which can increase manganese concentrations in the source water.
    - Further testing was carried out until the discoloured water has been turned over in the distribution system.
    - Flushing activities were preformed on the following streets to help expediate the turnover of the water main and will continue in various locations until the water quality results return to expected ranges.
        - Royal Gala Dr
        - Apple Way Blvd
        - Golden View Dr
        - Rome Place
        - Empire Place
        - Green Bay Rd
        - Wiig Rd
        - Pritchard Rd
        - Rosealee Lane
        - Rose Abby Dr
        - Rosefield Dr
        - Rosemary Court
        - Gala View Dr

        - Chancellor Plc
        - Willis Rd
        - Sunnyside Rd
    - The results from the whole system sampling completed on October 22nd show total manganese values returning to expected ranges in comparison with previous total manganese results from quarterly sampling events this year.
    - Results for all the sampling that occurred during heightened manganese levels shown below:
        - Note on October 13th there were 7 individual homes sampled for WQ parameters as well as Total Manganese, these results were shared with the homeowners individually.

Date	Sample Location	Turbidity (NTU)	FCR (mg/L)	Temp (°C)	pH	Apparent Colour (Pt-Co)	True Colour (Pt-Co)	Total Mn (mg/L)
4-Oct-26	MENU PS	0.41	0.78	15.7	7.44			
4-Oct-26	MENU ONLINE ANALYSER	0.40	0.84	14.3	7.39			
5-Oct-26	ROSEWOOD PS	0.41	0.98	15.1	7.33	13	8	
5-Oct-26	BLACKWOOD INLET	0.51	0.57	15.4	7.28	20	7	
5-Oct-26	LOWER HORIZON SS	0.78	0.47	16.5	7.34	21	16	
5-Oct-26	MENU PS	0.57	1.14	15.1	7.31	26	14	
5-Oct-26	PRITCHARD SS	0.57	0.48	16.8	7.36	17	12	
5-Oct-26	SHANNON WAY SS	0.66	0.53	17.0	7.37	15	13	
5-Oct-26	BIG SKY SS	0.53	0.96	15.4	7.33	16	15	
5-Oct-26	UTILITY YARD	0.54	0.72	17.7	7.35	24	9	
6-Oct-26	ROSEWOOD PS	0.37	0.97	14.3				0.131
6-Oct-26	BLACKWOOD PS - INLET	0.53	0.66	15.7				0.067
6-Oct-26	LOWER HORIZON SS	0.65	0.35	16.7				0.053
6-Oct-26	MENU PS	0.65	0.86	13.6				0.087
6-Oct-26	PRITCHARD SS	0.66	0.49	17.0				0.050
6-Oct-26	SHANNON WAY SS	0.51	0.61	16.0				0.050
8-Oct-26	ROSEWOOD PS	0.71	0.99	14.2				0.132
8-Oct-26	BLACKWOOD PS - INLET	0.58	0.72	15.4				0.083
8-Oct-26	LOWER HORIZON SS	0.73	0.35	17.0				0.049
8-Oct-26	MENU PS	0.47	0.95	14.6				0.069
8-Oct-26	PRITCHARD SS	0.56	0.57	16.9				0.045
8-Oct-26	SHANNON WAY SS	0.76	0.67	15.9				0.062
13-Oct-26	ROSEWOOD PS	1.05	0.24	13.8				0.090
13-Oct-26	BLACKWOOD PS - INLET	0.76	0.46	14.2				0.036
13-Oct-26	LOWER HORIZON SS	0.41	0.82	16.1				0.052
13-Oct-26	MENU PS	0.69	0.27	13.3				0.064
13-Oct-26	PRITCHARD SS	0.39	0.55	15.2				0.040
13-Oct-26	SHANNON WAY SS	0.47	0.25	16.0				0.026
15-Oct-26	ROSEFIELD DR – HYDRANT #347	1.14	1.16	15.6		22	2	0.156
15-Oct-26	RV TRAILS SS	0.16	1.12	13.2		6		0.048
19-Oct-26	GREEN BAY HYDRANT #13	0.58	0.38	17.5		14	4	0.020
22-Oct-26	ROSEWOOD PS	0.25	0.70	13.4	7.07			0.056

22-Oct-26	BLACKWOOD PS - INLET	0.22	0.53	14.9	6.99			0.0073
22-Oct-26	LOWER HORIZON SS	0.29	0.23	15.3	7.13			0.0085
22-Oct-26	MENU PS	0.20	0.64	15.1	6.94			0.023
22-Oct-26	PRITCHARD SS	0.20	0.22	15.9	7.15			0.0091
22-Oct-26	SHANNON WAY SS	0.08	0.46	15.2	7.14			0.0043
22-Oct-26	BIG SKY SS	0.08	0.57	15.1	7.12			0.0099
22-Oct-26	THACKER SS	0.12	0.47	15.2	6.97			0.0055
23-Oct-26	ROSEFIELD DR – HYDRANT #347	0.97	0.80					0.096
23-Oct-26	RV TRAILS SS	0.29	0.81					0.043

- October 7, 2026 – Lower Horizon and Thacker Sample Station maintenance completed on rubber seals.
- October 9, 2026 – Rosewood PS online analyser serviced including a new membrane cap and electrolyte on the chlorine sensor. FCR analyser was calibrated after sensor maintenance.
- October 20, 2026 – Pettman Pump Station mechanical seal on pump #1 was replaced, pump was tested no leaks were present, pump was placed back into service.
- October 23, 2026 – Due to low FCR at the McPhail Reservoir the interconnect was turned off so that Blackwood PS is now filling the McPhail Reservoir.
- October 22, 2026 – Rosewood PS generator controller was replaced due to failure, testing was completed and put back into service.
- October 23, 2026 – Menu PS UPS was replaced due to failure of old equipment.

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.

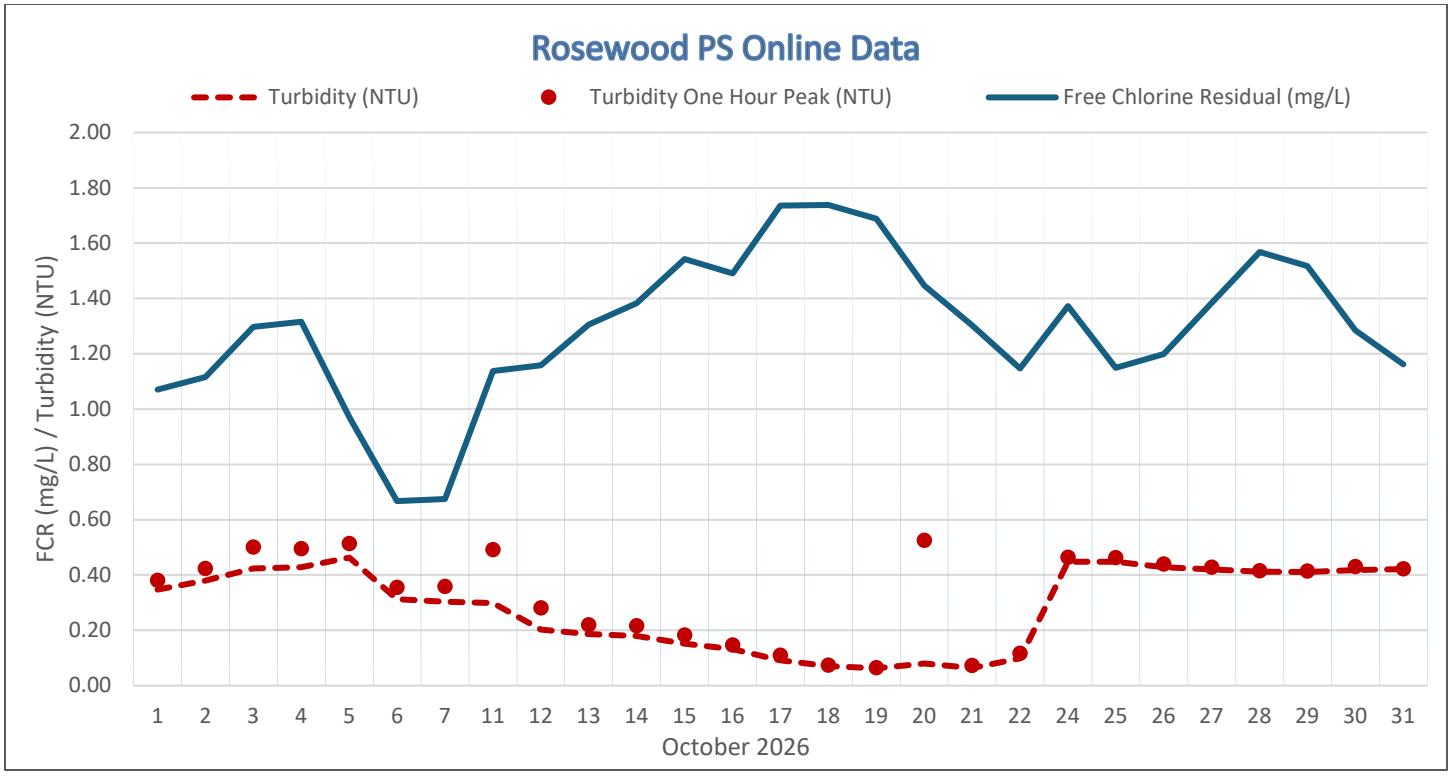
Note – the locations included in the monthly report are the samples that are tested regularly on a weekly basis but are 9 of 19 total grab sample locations taken throughout the system in the month.

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)
Oct 2026								
1	0.35	0.38	0.89	1.38	1.07	14.67	7.77	789
2	0.38	0.42	0.90	1.38	1.12	14.59	7.82	738
3	0.42	0.50	1.04	1.77	1.30	14.45	7.89	734
4	0.43	0.50	1.04	1.69	1.32	14.37	7.93	718
5	0.46	0.51	0.54	1.72	0.97	14.22	7.73	759
6	0.31	0.36	0.59	0.76	0.67	14.09	7.48	730
7	0.30	0.36	0.54	0.81	0.67	14.04	7.49	726
8	0.36	0.43				14.03	7.46	716
9	0.44	0.52				13.88	7.36	702
10	0.42	0.57				14.03	7.37	752
11	0.30	0.49	1.00	1.22	1.14	13.97	7.33	757
12	0.20	0.28	0.89	1.30	1.16	13.80	7.31	747
13	0.19	0.22	1.05	1.42	1.31	13.72	7.28	750
14	0.18	0.22	1.09	1.54	1.38	13.58	7.24	732
15	0.15	0.18	1.48	1.61	1.54	13.40	7.26	792
16	0.13	0.15	1.36	1.67	1.49	13.42	7.27	826
17	0.09	0.11	1.64	1.81	1.74	13.30	7.28	857
18	0.07	0.07	1.62	1.89	1.74	13.16	7.29	873
19	0.06	0.06	1.55	1.85	1.69	13.06	7.32	880
20	0.08	0.53	1.39	1.57	1.45	13.04	7.32	874
21	0.06	0.07	1.20	1.43	1.30	12.94	7.30	834
22	0.10	0.12	0.91	1.30	1.15	12.78	7.26	763
23	0.40	2.19				12.54	7.21	706
24	0.45	0.46	1.27	1.47	1.37	12.61	7.29	736
25	0.45	0.46	0.98	1.39	1.15	12.38	7.29	782
26	0.43	0.44	1.00	1.36	1.20	12.23	7.28	817
27	0.42	0.43	1.16	1.65	1.38	12.09	7.31	839
28	0.41	0.42	1.42	1.72	1.57	11.99	7.31	854
29	0.41	0.41	1.44	1.60	1.52	11.79	7.33	860
30	0.42	0.43	1.12	1.65	1.28	11.63	7.35	860
31	0.42	0.42	1.07	1.29	1.16	11.50	7.33	871
Average	0.30		1.12	1.49	1.29	13.27	7.40	786
Min	0.06		0.54	0.76	0.67	11.50	7.21	702
Max	0.46	2.19	1.64	1.89	1.74	14.67	7.93	880

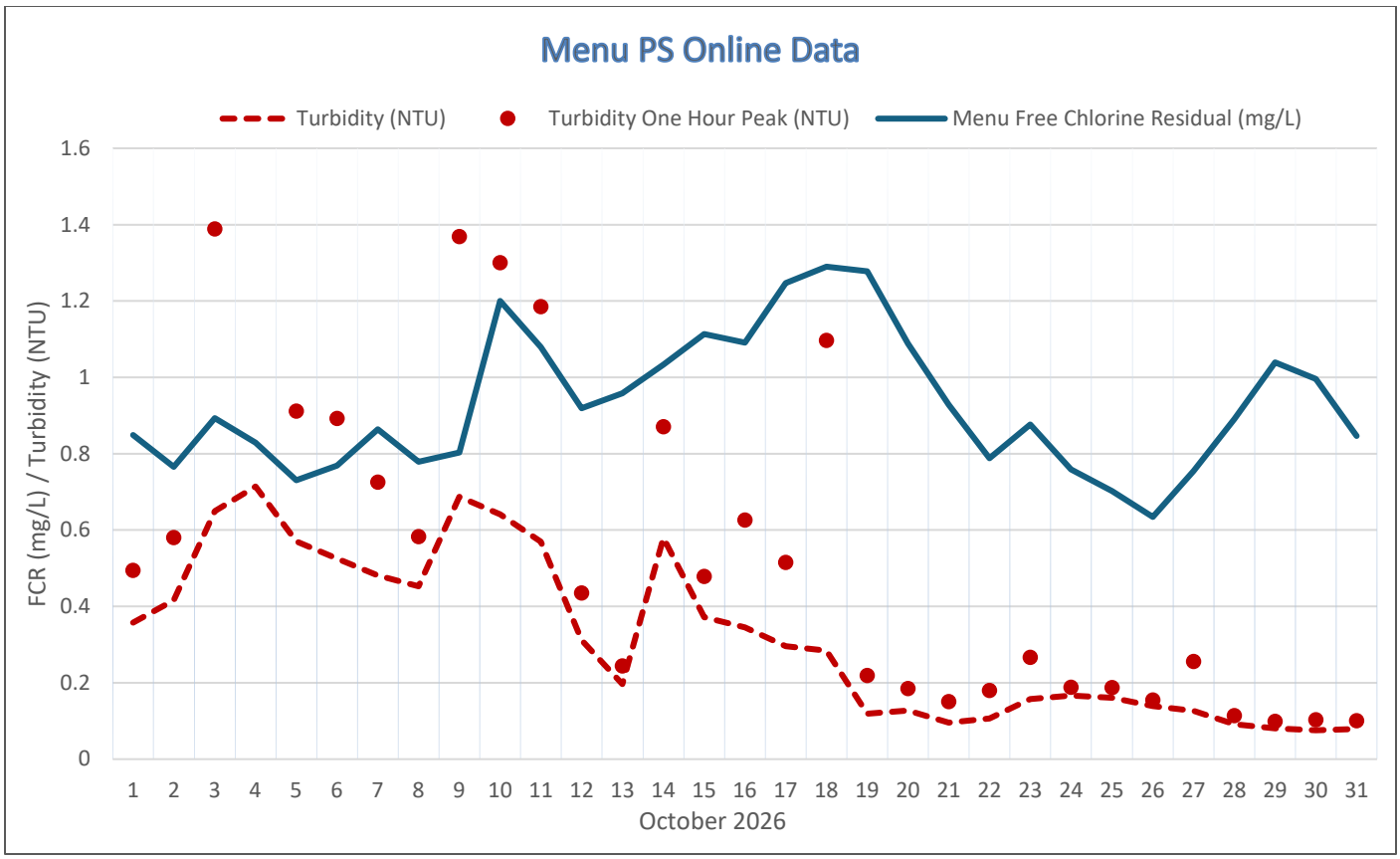
- October 8-10, 2026 – Rosewood PS online FCR analyser sensor failed and was replaced on October 9th and calibrated on October 10th, therefore data related to FCR was removed from the dataset.



Rosewood PS Water Quality						
Date	Turbidity		Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
06-Oct-26	0.37	0.33	14.3	0.97	0.68	7.34
13-Oct-26	0.52	0.22	13.8	1.09	1.39	7.27
20-Oct-26	0.57	0.06	13.2	0.92	1.43	7.20
27-Oct-26	0.28	0.47	12.2	0.85	1.40	7.24
# of Samples	4	4	4	4	4	4
Average	0.44	0.27	13.4	0.96	1.23	7.26
Range	0.28-0.57	0.06-0.47	12.2-14.3	0.85-1.09	0.68-1.43	7.20-7.34

Menu PS

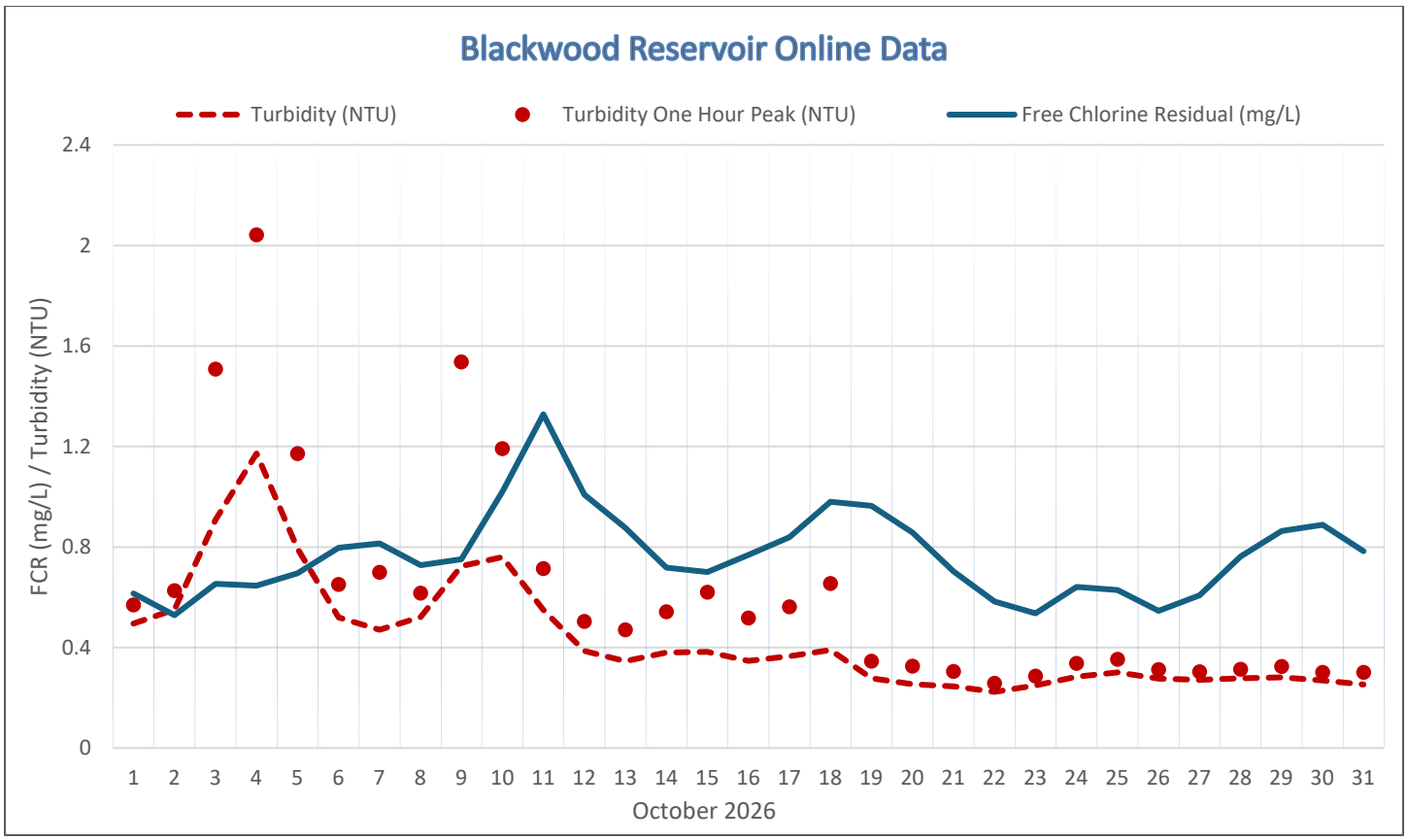
Menu PS Online Data									
Date	Combined Flow Total From RV	Turbidity	Turbidity (Peak 1 Hr)	Temp	pH	ORP	FCR		
	(m3)	Avg (NTU)	Max Based On 1 Hr Avg	Avg (°C)	Avg (pH)	Avg (mV)	Min (mg/L)	Max (mg/L)	Avg (mg/L)
Oct 2026									
1	2760	0.36	0.49	14.44	7.40	827	0.70	1.00	0.85
2	3460	0.42	0.58	14.32	7.40	810	0.65	0.89	0.77
3	2996	0.65	1.39	14.16	7.40	812	0.69	1.16	0.89
4	3437	0.71	1.61	14.08	7.39	799	0.67	0.99	0.83
5	4890	0.57	0.91	14.04	7.27	799	0.62	0.92	0.73
6	7013	0.52	0.89	13.72	7.11	756	0.69	0.88	0.77
7	7417	0.48	0.73	13.61	7.16	743	0.72	1.01	0.86
8	5565	0.45	0.58	13.58	7.15	715	0.63	0.90	0.78
9	5081	0.69	1.37	13.57	7.14	724	0.67	0.98	0.80
10	3735	0.64	1.30	13.52	7.09	748	0.97	1.36	1.20
11	3142	0.57	1.19	13.54	7.07	755	0.97	1.22	1.08
12	2918	0.31	0.44	13.48	7.05	734	0.79	1.02	0.92
13	2932	0.20	0.24	13.41	7.05	737	0.83	1.15	0.96
14	4366	0.58	0.87	13.26	7.01	725	0.85	1.14	1.03
15	5776	0.37	0.48	13.09	7.03	784	1.03	1.18	1.11
16	5811	0.35	0.63	12.97	7.05	827	1.04	1.14	1.09
17	4718	0.30	0.52	12.95	7.06	851	1.11	1.31	1.25
18	3613	0.28	1.10	12.65	7.05	861	1.08	1.39	1.29
19	2853	0.12	0.22	12.65	7.07	858	1.19	1.38	1.28
20	4494	0.13	0.18	12.58	7.06	847	1.02	1.19	1.09
21	2564	0.10	0.15	12.54	7.05	781	0.79	1.03	0.93
22	3300	0.11	0.18	12.62	7.03	720	0.68	0.91	0.79
23	2818	0.16	0.27	12.37	6.97	703	0.00		0.88
24	3929	0.17	0.19	12.53	7.04	752	0.69	0.84	0.76
25	1563	0.16	0.19	12.47	7.06	790	0.63	0.77	0.70
26	1455	0.14	0.16	12.29	7.06	814	0.54	0.71	0.63
27	1595	0.13	0.26	12.14	7.08	837	0.59	0.92	0.75
28	1140	0.09	0.11	12.05	7.11	854	0.75	1.03	0.89
29	1516	0.08	0.10	11.89	7.12	865	0.93	1.14	1.04
30	1916	0.08	0.10	11.79	7.14	865	0.91	1.10	1.00
31	1102	0.08	0.10	11.81	7.15	858	0.78	0.91	0.85
Total	107115								
Average	3544.37	0.32		13.04	7.12	792.08	0.78	1.34	0.93
Min	1102.05	0.08		11.79	6.97	702.93	0.00	0.71	0.63
Max	7416.96	0.71	1.61	14.44	7.40	865.15	1.19	1.39	1.29



Menu PS Water Quality						
Date	Turbidity		Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
06-Oct-26	0.65	0.67	13.6	0.86	0.73	7.36
13-Oct-26	0.58	0.19	14	0.84	0.88	7.27
20-Oct-26	0.17	0.14	13.2	0.79	1.06	7.21
27-Oct-26	0.33	0.14	12.3	0.53	0.69	7.24
# of Samples	4	4	4	4	4	4
Average	0.43	0.29	13.28	0.76	0.84	7.27
Range	0.17-0.65	0.14-0.67	12.3-14.0	0.53-0.86	0.69-1.06	7.21-7.36

Blackwood PS

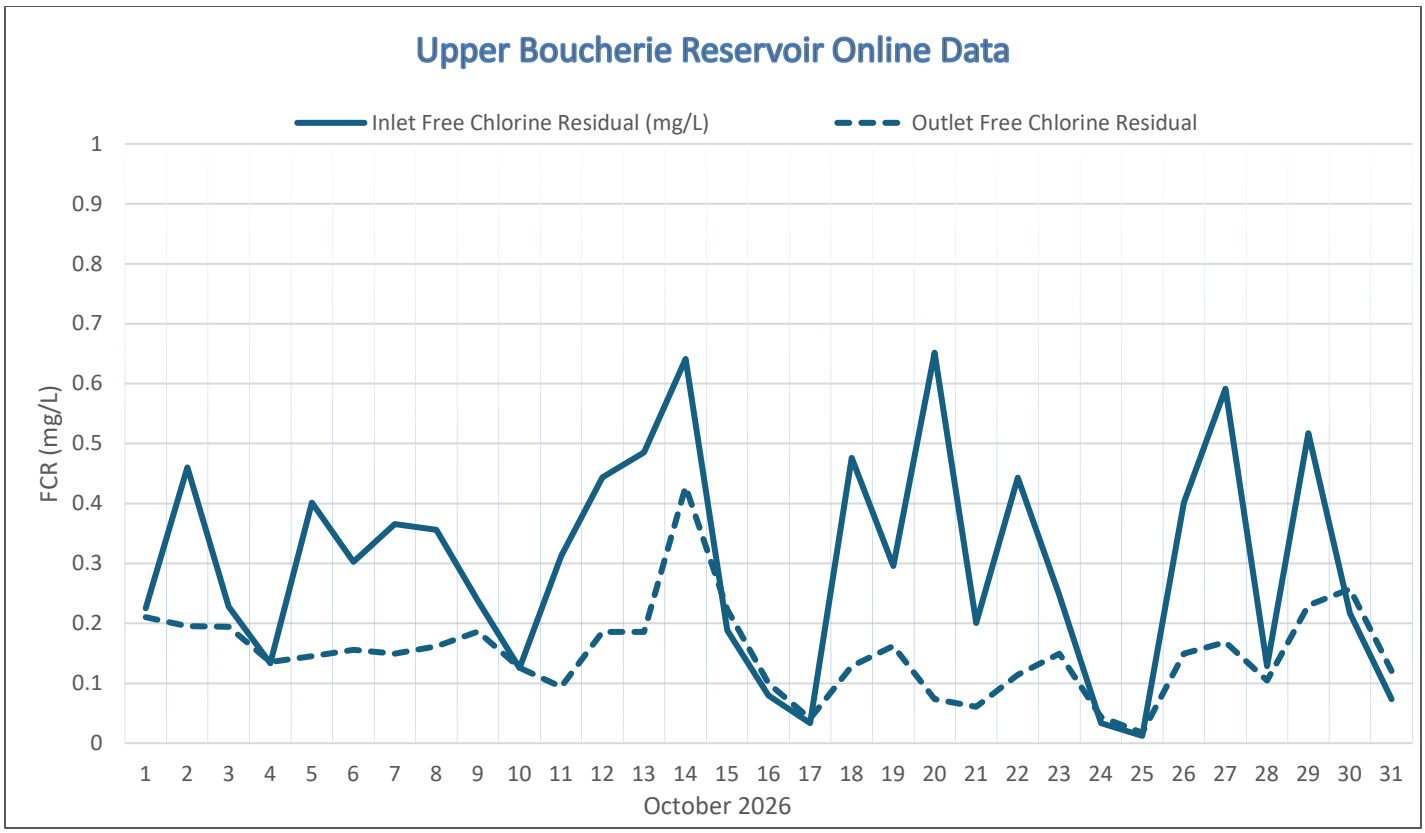
Blackwood PS Online Data									
Date	Turbidity	Turbidity (Peak 1 Hr)	FCR			Temp	pH	Conductivity	ORP
	Avg (NTU)	Max Based On 1 Hr Avg	Min (mg/L)	Max (mg/L)	Avg (mg/L)	Avg (ºC)	Avg (pH)	Avg (us/cm)	Avg (mV)
Oct 2026									
1	0.50	0.57	0.56	0.72	0.62	15.13	7.74	201.44	841
2	0.55	0.63	0.46	0.68	0.53	15.14	7.76	201.19	829
3	0.91	1.51	0.52	0.81	0.65	14.82	7.76	201.29	804
4	1.17	2.04	0.55	0.72	0.65	14.67	7.76	200.96	782
5	0.79	1.17	0.48	0.93	0.70	14.78	7.50	200.94	771
6	0.52	0.65	0.71	0.87	0.80	14.76	7.32	200.97	827
7	0.47	0.70	0.72	0.92	0.81	14.59	7.37	199.15	741
8	0.52	0.62	0.65	0.86	0.73	14.76	7.41	198.00	688
9	0.72	1.54	0.60	0.84	0.75	14.70	7.40	198.43	686
10	0.76	1.19	0.61	1.48	1.02	14.32	7.37	204.77	647
11	0.55	0.71	1.10	1.52	1.33	14.44	7.34	208.26	709
12	0.39	0.50	0.82	1.17	1.01	14.34	7.31	209.74	631
13	0.35	0.47	0.58	1.06	0.88	14.32	7.31	211.71	624
14	0.38	0.54	0.60	0.81	0.72	14.43	7.28	213.09	607
15	0.38	0.62	0.58	0.79	0.70	14.29	7.25	215.39	562
16	0.35	0.52	0.72	0.82	0.77	14.12	7.29	214.71	619
17	0.37	0.56	0.71	1.00	0.84	13.96	7.29	215.74	712
18	0.39	0.65	0.91	1.03	0.98	13.67	7.29	215.24	828
19	0.28	0.35	0.92	1.01	0.96	13.57	7.30	214.04	839
20	0.25	0.33	0.76	0.94	0.86	13.71	7.32	213.02	841
21	0.25	0.31	0.64	0.76	0.70	13.70	7.32	212.27	786
22	0.22	0.26	0.50	0.65	0.58	13.70	7.30	212.66	647
23	0.25	0.29	0.43	0.62	0.54	13.46	7.27	215.14	568
24	0.28	0.34	0.53	0.72	0.64	12.92	7.28	215.72	593
25	0.30	0.35	0.55	0.69	0.63	12.74	7.32	214.90	658
26	0.28	0.31	0.48	0.61	0.55	12.68	7.31	214.19	735
27	0.27	0.30	0.52	0.69	0.61	12.63	7.32	213.37	791
28	0.28	0.31	0.63	0.88	0.76	12.41	7.35	212.38	824
29	0.28	0.32	0.76	0.96	0.86	12.24	7.36	212.21	842
30	0.27	0.30	0.83	0.93	0.89	12.08	7.38	210.47	848
31	0.25	0.30	0.70	0.85	0.78	11.89	7.40	208.37	840
Total									
Average	0.44		0.65	0.88	0.77	13.84	7.39	209.02	733
Min	0.22		0.43	0.61	0.53	11.89	7.25	198.00	562
Max	1.17	2.04	1.10	1.52	1.33	15.14	7.76	215.74	848



Blackwood PS Outlet Water Quality						
Date	**Turbidity**		**Temp**	**FCR**		**pH**
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
06-Oct-26	0.53	0.52	15.7	0.66	0.77	7.32
13-Oct-26	0.41	0.28	14.3	0.60	1.03	7.24
20-Oct-26	0.25	0.20	14.4	0.71	0.84	7.24
27-Oct-26	0.18	0.29	12.5	0.69	0.58	7.20
# of Samples	4	4	4	4	4	4
Average	0.34	0.32	14.2	0.67	0.81	7.25
Range	0.18-0.53	0.20-0.52	12.5-15.7	0.60-0.71	0.58-1.03	7.20-7.32

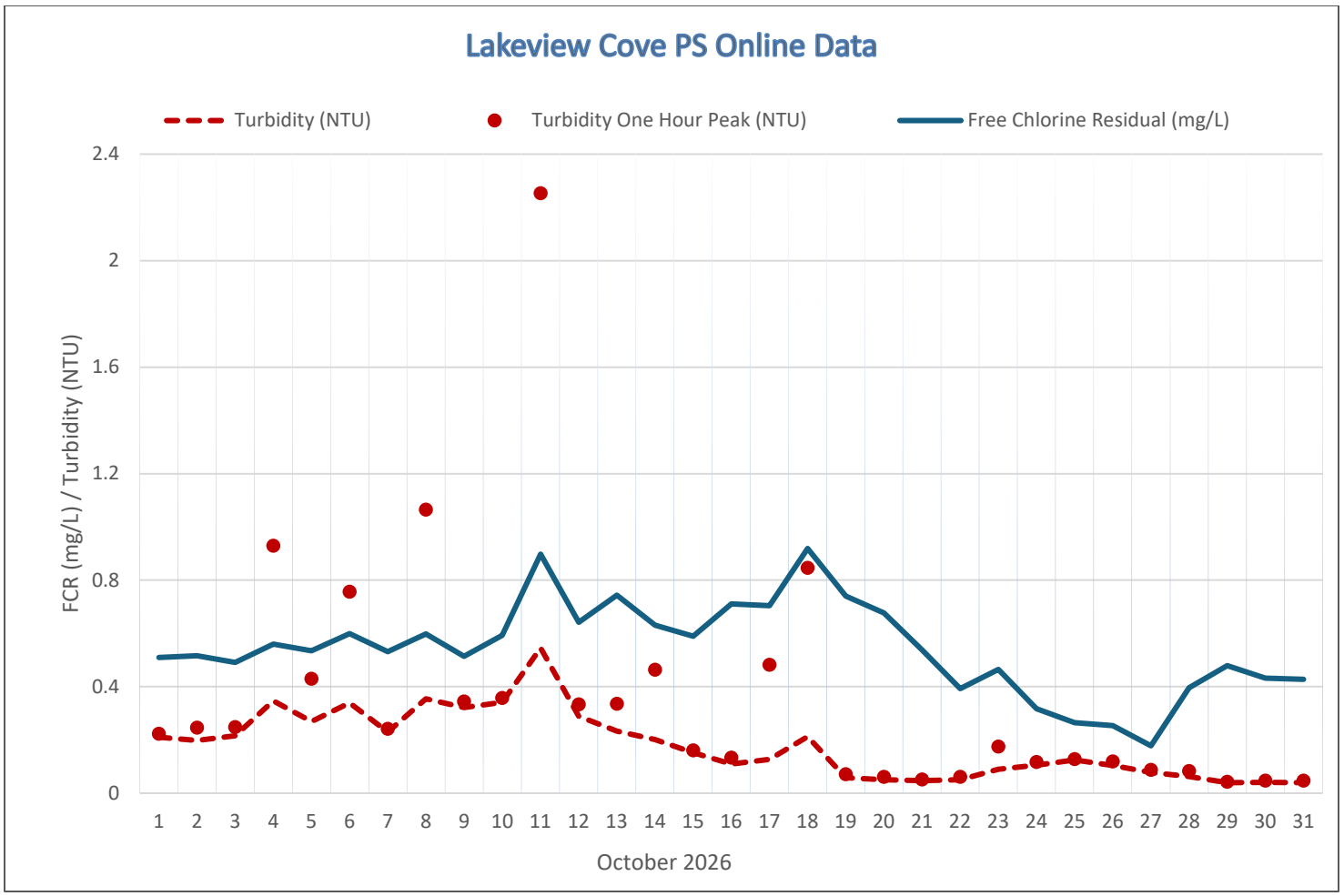
Upper Boucherie Outlet

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)
Oct 2026								
1	16.51	7.55	0.18	0.29	0.23	0.17	0.24	0.21
2	16.07	7.50	0.15	1.34	0.46	0.13	0.41	0.20
3	16.17	7.54	0.17	0.34	0.23	0.16	0.22	0.19
4	16.20	7.56	0.10	0.17	0.13	0.11	0.16	0.14
5	16.02	7.49	0.09	1.36	0.40	0.08	0.39	0.14
6	16.00	7.51	0.14	1.04	0.30	0.12	0.19	0.16
7	15.99	7.50	0.13	1.01	0.37	0.12	0.17	0.15
8	15.74	7.50	0.10	1.16	0.36	0.09	0.49	0.16
9	15.87	7.51	0.16	0.49	0.24	0.15	0.21	0.19
10	15.63	7.53	0.09	0.16	0.13	0.10	0.15	0.13
11	15.34	7.52	0.06	1.76	0.31	0.06	0.40	0.09
12	15.32	7.49	0.15	1.21	0.44	0.15	0.20	0.19
13	15.07	7.49	0.08	2.33	0.49	0.09	1.23	0.19
14	14.89	7.44	0.28	1.33	0.64	0.21	1.54	0.43
15	15.17	7.47	0.12	0.28	0.19	0.15	0.30	0.22
16	15.18	7.49	0.05	0.12	0.08	0.06	0.15	0.10
17	15.24	7.51	0.02	0.05	0.03	0.03	0.06	0.04
18	14.66	7.44	0.02	1.25	0.48	0.02	0.90	0.13
19	14.74	7.43	0.08	1.06	0.30	0.08	0.24	0.16
20	14.75	7.42	0.03	2.08	0.65	0.03	0.13	0.07
21	14.88	7.45	0.03	1.16	0.20	0.03	0.10	0.06
22	14.48	7.45	0.01	1.11	0.44	0.02	0.78	0.11
23	14.62	7.45	0.07	0.95	0.25	0.08	0.23	0.15
24	14.63	7.49	0.02	0.07	0.03	0.02	0.08	0.04
25	14.35	7.51	0.01	0.02	0.01	0.01	0.02	0.02
26	13.67	7.46	0.01	0.97	0.40	0.01	0.75	0.15
27	13.33	7.42	0.05	1.39	0.59	0.07	0.52	0.17
28	13.30	7.48	0.04	0.46	0.13	0.05	0.16	0.10
29	12.94	7.47	0.02	1.80	0.52	0.03	1.10	0.23
30	12.82	7.50	0.12	0.44	0.22	0.17	0.34	0.26
31	12.66	7.52	0.04	0.12	0.07	0.07	0.17	0.12
Average	14.91	7.49	0.08	0.88	0.30	0.09	0.39	0.15
Min	12.66	7.42	0.01	0.02	0.01	0.01	0.02	0.02
Max	16.51	7.56	0.28	2.33	0.65	0.21	1.54	0.43


Upper Boucherie Reservoir Online Data
Inlet Free Chlorine Residual (mg/L)
Outlet Free Chlorine Residual
FCR (mg/L)
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 29 30 31
October 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 (ºC)
Oct 2026						
1	0.21	0.22	0.47	0.57	0.51	15.87
2	0.20	0.25	0.45	0.58	0.52	15.31
3	0.22	0.25	0.44	0.58	0.49	15.73
4	0.35	0.93	0.53	0.68	0.56	14.99
5	0.27	0.43	0.39	0.65	0.53	15.23
6	0.34	0.76	0.51	0.72	0.60	14.78
7	0.23	0.24	0.46	0.64	0.53	15.22
8	0.35	1.07	0.52	0.72	0.60	14.47
9	0.32	0.35	0.47	0.59	0.51	15.01
10	0.34	0.36	0.46	0.90	0.59	14.96
11	0.55	2.25	0.76	1.34	0.90	14.30
12	0.29	0.33	0.55	0.76	0.64	14.78
13	0.23	0.34	0.58	0.98	0.74	14.24
14	0.20	0.46	0.55	0.70	0.63	14.61
15	0.15	0.16	0.55	0.63	0.59	14.62
16	0.11	0.13	0.63	0.75	0.71	14.31
17	0.13	0.48	0.64	1.11	0.70	14.23
18	0.21	0.85	0.80	1.17	0.92	13.53
19	0.06	0.07	0.60	0.82	0.74	14.20
20	0.05	0.06	0.59	0.75	0.68	14.27
21	0.05	0.05	0.45	0.60	0.54	14.20
22	0.05	0.06	0.34	0.45	0.39	14.22
23	0.09	0.18	0.34	0.65	0.46	13.33
24	0.11	0.12	0.27	0.37	0.32	13.92
25	0.13	0.13	0.22	0.33	0.26	13.99
26	0.10	0.12	0.19	0.30	0.25	13.90
27	0.08	0.09	0.15	0.21	0.18	13.86
28	0.06	0.08	0.16	0.71	0.40	13.27
29	0.04	0.04	0.31	0.63	0.48	13.31
30	0.04	0.05	0.32	0.51	0.43	13.48
31	0.04	0.05	0.35	0.50	0.43	13.38
Average	0.18		0.45	0.67	0.54	14.37
Min	0.04		0.15	0.21	0.18	13.27
Max	0.55	2.25	0.80	1.34	0.92	15.87


Lakeview Cove PS Online Data
Turbidity (NTU)
Turbidity One Hour Peak (NTU)
Free Chlorine Residual (mg/L)
FCR (mg/L) / Turbidity (NTU)
2.4
2
1.6
1.2
0.8
0.4
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
October 2026

WQ Field Data

Thacker SS

Thacker SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
06-Oct-26	0.48	15.8	0.55	7.35
13-Oct-26	0.81		0.53	7.30
20-Oct-26	0.28	15.3	0.59	7.19
27-Oct-26	0.14	13.2	0.20	7.22
# of Samples	4	3	4	4
Average	0.43	14.8	0.47	7.27
Range	0.14-0.81	13.2-15.8	0.20-0.59	7.19-7.35

Shannon Way SS

Shannon Way SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
06-Oct-26	0.54	16.1	0.70	7.45
13-Oct-26	0.33	14.8	0.29	7.39
20-Oct-26	0.12	15.4	0.61	7.18
27-Oct-26	0.13	14	0.35	7.29
# of Samples	4	4	4	4
Average	0.28	15.08	0.49	7.33
Range	0.12-0.54	14-16.1	0.29-0.7	7.18-7.45

Lower Horizon SS

Lower Horizon SS Water Quality				
Date	Turbidity	Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
06-Oct-26	0.68	16.7	0.35	7.39
13-Oct-26	0.85	16.0	0.38	7.37
20-Oct-26	0.27	16.0	0.38	7.21
27-Oct-26	0.27	14.3	0.16	7.27
# of Samples	4	4	4	4
Average	0.52	15.8	0.32	7.31
Range	0.27-0.85	14.3-16.7	0.16-0.38	7.21-7.39

Pritchard SS

Pritchard SS Water Quality				
Date	**Turbidity**	**Temp**	**FCR**	**pH**
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
06-Oct-26	0.54	17.8	0.52	7.46
13-Oct-26	0.63	16.6	0.47	7.40
20-Oct-26	0.60	16.2	0.44	7.22
27-Oct-26	0.21	15.4	0.16	7.33
# of Samples	4	4	4	4
Average	0.5	16.5	0.4	7.35
Range	0.21-0.63	15.4-17.8	0.16-0.52	7.22-7.46

Vineyard View SS

Vineyard View SS Water Quality				
Date	**Turbidity**	**Temp**	**FCR**	**pH**
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
06-Oct-26	0.53	18.3	0.26	7.39
13-Oct-26	0.52	16.7	0.30	7.31
20-Oct-26	0.23	16.2	0.20	7.21
27-Oct-26	0.31	15.4	0.09	7.41
# of Samples	4	4	4	4
Average	0.40	16.7	0.21	7.33
Range	0.23-0.53	15.4-18.3	0.09-0.30	7.21-7.41

Manganese Comparison

- The results from the whole system sampling completed on October 22nd show total manganese values returning to expected ranges in comparison with previous total manganese results from quarterly sampling events this year.

Sample Location	**22-Oct-26**	**19-Aug-26**	**12-May-26**	**17-Feb-26**
ROSEWOOD PS	0.0560	0.0260	0.0064	0.0023
THACKER SS	0.0055	0.0024	0.0052	0.0010
SHANNON WAY SS	0.0043	0.0021	0.0042	0.0013
PRITCHARD SS	0.0091	0.0025	0.0016	0.0016
MENUS PS	0.0227	0.0024	0.0030	0.0014
BLACKWOOD PS	0.0073	0.0020	0.0060	0.0016
LOWER HORIZON	0.0085	0.0040	0.0029	0.0013