MONTHLY REPORTING PERIOD - MAY, 2026

SUMMARY

This document provides a summary of water quantity and quality data collected by BMID in May 2026.

WATER SUPPLY SUMMARY

Water Source	Active / Not Active	Volume (Mega Liters)	Irrigation / Domestic	Comments
Mission Ck.	**Active**	**1,709.06**	**Domestic/Irrig.**	Primary Water supply. Domestic and irrig. demand.
Scotty Creek	**Active**	**61.14**	**Irrig. only**	Scotty Creek has resumed operations for summer 2026
Well 3 Cornish	Not Active	0	Irrig. only	Well #3 upgrade underway to provide for irrigation
Well 4	Not Active	0	Domestic	Well 4 secondary water source in north-end
Well 5	**Active**	**159.19**	**Domestic/Irrig**	Well #5 has resumed operations for summer 2026
Well 6	**Active**	**59.18**	**Irrig. only**	Well # 6 has resumed operations for summer 2026
May 2026	**Total:**	**1,989.29**		**10 Year Average for May = 1,335.17**

WATER QUALITY SUMMARY

Raw Water Microbiological Summary		**E-Coli**		
Location	# of Samples	Lowest *E.Coli* Reading	Ave. *E.Coli* Reading	Highest *E.Coli* Reading
Mission Creek Intake	4	2	4.50	9
Stevens Reservoir	4	0	0.25	1
Hadden Reservoir	4	0	0.50	2

Treated Water Microbiological Summary		**Turbidity Summary**		
Location	Low Reading	Average Reading	High Reading	Comments
Mission Creek Raw Water	1.44 NTU	4.41 NTU	14.61 NTU	
Distribution Intake	0.17 NTU	0.26 NTU	0.56 NTU	
UV Plant	0.62 NTU	0.70 NTU	0.85 NTU	
Booster # 1 (first customer)	0.17 NTU	0.36 NTU	1.94 NTU	See section 3.0 for comments
		UV Treatment Plant		
Plant Flow Volume	In-Spec	Off-Spec	% Off-Spec	Comments
1,709,060 m^3	1,707,766 m^3	1,294 m^3	0.076%	

WATER QUALITY DISTRIBUTION TESTING

		CARO (third party) Testing	**30**
BMID Population:	30,000	In House Pres./Absence	**9**
Required Minimum # of Tests:	30	Total Tests:	**39**
		Total Positive Tests:	**0**

Documentation and figures are provided on the following pages to support this submission.

1.0 FLOWS - MAY, 2026

Mission Creek provided 86% of the 1,989.29 Mega Liters used in the BMID system in May.

Figure 1.1 - Domestic Water System Flow

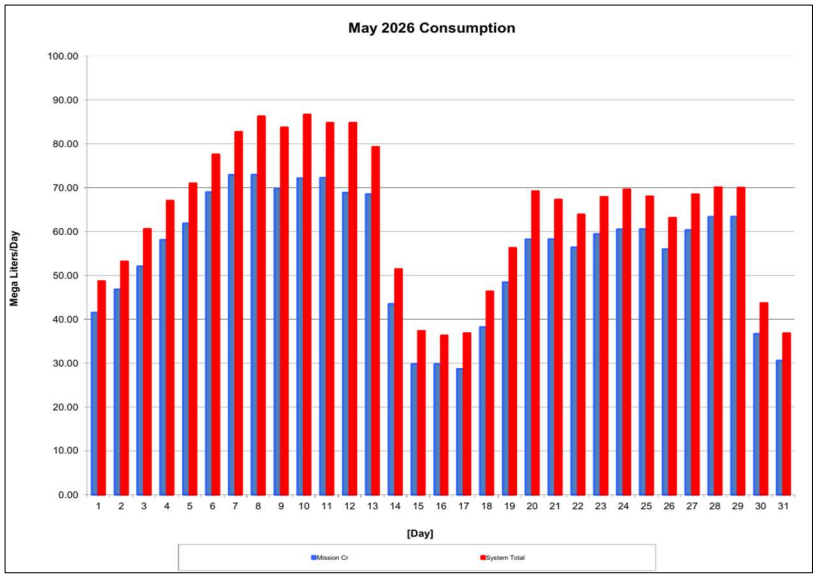


Table 1.2 - May 2026 - Daily Consumption Report

Year	Mission Cr	Well #4	Well #5	Well #6	Scotty Crk	System Total
2026	ML/Day	ML/Day	ML/Day	ML/Day	ML/Day	ML/Day
1-May	41.53	-	4.91	2.26	0.00	48.69
2-May	46.81	-	4.84	1.55	0.00	53.20
3-May	52.07	-	5.40	3.13	0.00	60.59
4-May	58.10	-	5.68	3.28	0.00	67.06
5-May	61.88	-	5.75	3.37	0.00	71.00
6-May	68.99	-	5.01	3.41	0.23	77.64
7-May	72.94	-	5.85	3.59	0.34	82.73
8-May	72.99	-	5.90	3.65	3.75	86.28
9-May	69.76	-	5.36	2.71	5.93	83.77
10-May	72.20	-	6.04	2.14	6.32	86.71
11-May	72.25	-	5.15	0.60	6.83	84.83
12-May	68.86	-	6.23	2.83	6.89	84.81
13-May	68.54	-	4.18	2.89	3.69	79.30
14-May	43.49	-	4.99	1.91	1.08	51.46
15-May	29.78	-	5.06	2.48	0.00	37.32
16-May	29.80	-	2.75	3.71	0.00	36.27
17-May	28.68	-	4.37	3.77	0.00	36.81
18-May	38.20	-	5.31	2.86	0.00	46.36
19-May	48.44	-	5.42	2.40	0.00	56.26
20-May	58.24	-	5.50	2.44	3.03	69.21
21-May	58.28	-	5.20	0.72	3.09	67.27
22-May	56.41	-	5.72	0.00	1.76	63.89
23-May	59.46	-	6.10	0.00	2.35	67.91
24-May	60.52	-	6.19	0.10	2.82	69.63
25-May	60.56	-	4.52	0.10	2.88	68.05
26-May	55.98	-	4.48	1.05	1.63	63.13
27-May	60.36	-	5.44	1.05	1.65	68.50
28-May	63.35	-	5.51	0.79	0.47	70.11
29-May	63.39	-	3.51	0.82	2.28	70.00
30-May	36.67	-	4.39	0.31	2.33	43.69
31-May	30.56	-	4.44	0.00	1.81	36.80
Totals ML	**1,709.06**	**0.00**	**159.19**	**59.89**	**61.14**	**1,989.29**
Avg's	55.13	0.00	5.14	1.93	1.97	64.17
Max	72.99	0.00	6.23	3.77	6.89	86.71
Min	28.68	0.00	2.75	0.00	0.00	36.27

2.0 RAW WATER QUALITY - BACTERIOLOGICAL MONITORING

Raw water samples were taken at three points at BMID settling ponds before chlorination. Samples were taken at the Mission Creek raw water intake, the outlet for Stevens Pond, and the point of disinfection at the end of Hadden Reservoir.

Samples from the previous month are also provided to show a two-month trend

Figure 2.1 - Raw Water *E.Coli* Readings (CARO Lab results) April 2026 - May 2026

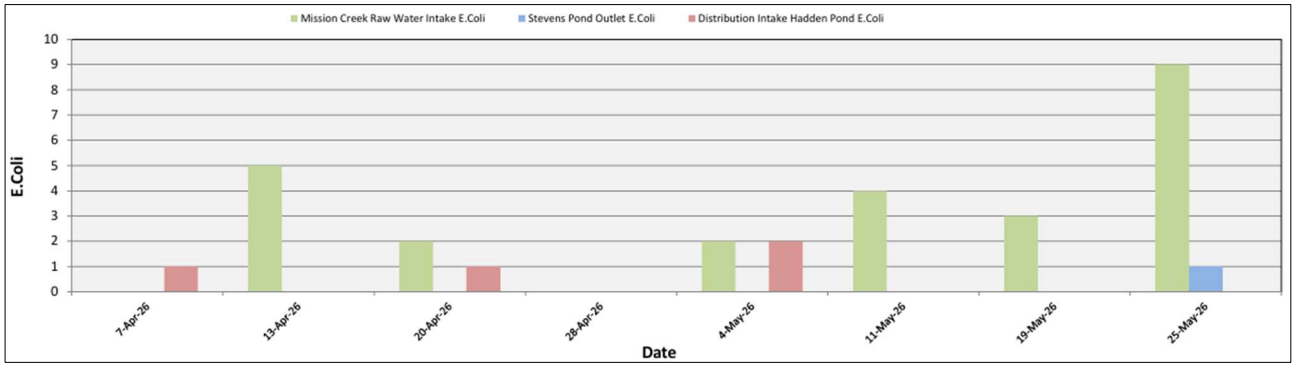


Table 2.1 - *E.Coli* Readings (CARO Labs)

Date	Mission Creek Raw Water Intake E.Coli	Stevens Pond Outlet E.Coli	Distribution Intake Hadden Pond E.Coli
7-Apr-26	0	0	1
13-Apr-26	5	0	0
20-Apr-26	2	0	1
28-Apr-26	0	0	0
4-May-26	2	0	2
11-May-26	4	0	0
19-May-26	3	0	0
25-May-26	9	1	0

Stevens or WTP Intake (Raw) - Sampling of raw water at intake from Mission Creek

Stevens Outlet (Raw) - Sampling point after exiting 142,000 m^3 1st upper balancing reservoir (Stevens Res.)

Hadden Outlet (Raw) - Sampling point after exiting 75,000 m^3 2nd lower balancing reservoir (Hadden Res.)

(*Hadden Outlet = Distribution Intake - Point of Disinfection*)

3.0 RAW AND TREATED WATER TURBIDITY

Turbidity is measured online at four locations, Mission Creek raw water intake, the Distribution Intake, the UV treatment plant, and Booster #1. The first user of the BMID system is located near Booster #1. The highest turbidity level recorded at this location was 1.94 NTU on May 6, 2026.

*As a result of high flows stirring sediment into the turbidity meter at Booster 1, the device read artificially high from May 5-7. After cleaning the meter, the on-line turbidity resumed normal readings for the remainder of the month.

Figure 3.1 – Daily Turbidity Readings
(Mission Creek Raw - Distribution Intake – UV Plant and Booster Station #1)

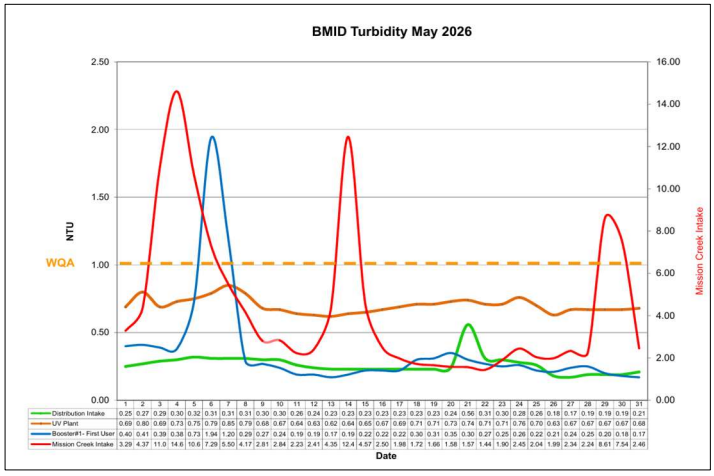


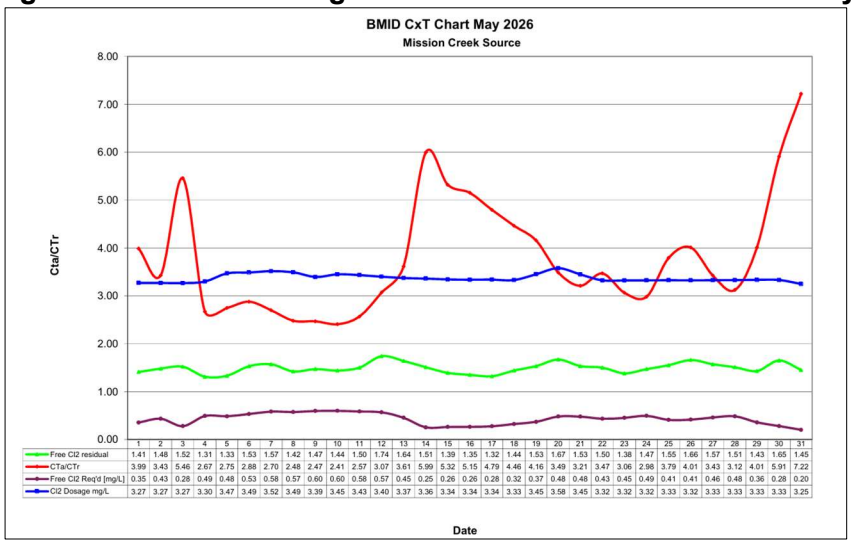
Table 3.1 - Daily Monitoring Record – Turbidity at On-Line Turbidity Analyzers

Turbidity Point Sampling for May 2026				
Date	Mission Creek Intake	Distribution Intake	UV Plant	Booster#1- First User
	Daily Average [NTU]	Daily Average [NTU]	Daily Average [NTU]	Daily Average [NTU]
1	3.29	0.25	0.69	0.40
2	4.37	0.27	0.80	0.41
3	11.00	0.29	0.69	0.39
4	14.61	0.30	0.73	0.38
5	10.64	0.32	0.75	0.73
6	7.29	0.31	0.79	1.94
7	5.50	0.31	0.85	1.20
8	4.17	0.31	0.79	0.29
9	2.81	0.30	0.68	0.27
10	2.84	0.30	0.67	0.24
11	2.23	0.26	0.64	0.19
12	2.41	0.24	0.63	0.19
13	4.35	0.23	0.62	0.17
14	12.46	0.23	0.64	0.19
15	4.57	0.23	0.65	0.22
16	2.50	0.23	0.67	0.22
17	1.98	0.23	0.69	0.22
18	1.72	0.23	0.71	0.30
19	1.66	0.23	0.71	0.31
20	1.58	0.24	0.73	0.35
21	1.57	0.56	0.74	0.30
22	1.44	0.31	0.71	0.27
23	1.90	0.30	0.71	0.25
24	2.45	0.28	0.76	0.26
25	2.04	0.26	0.70	0.22
26	1.99	0.18	0.63	0.21
27	2.34	0.17	0.67	0.24
28	2.24	0.19	0.67	0.25
29	8.61	0.19	0.67	0.20
30	7.54	0.19	0.67	0.18
31	2.46	0.21	0.68	0.17
AVG	4.41	0.26	0.70	0.36

4.0 CHLORINE CONTACT TIME

Temperature, pH, peak flow and chlorine residual levels are recorded to determine the CT levels that are required to provide 3 log inactivation of *Giardia*. Chlorine Contact times exceeded the CT levels required to provide 3 log (99.9%) inactivation of *Giardia Lamblia* throughout the month of May, 2026.

Figure 4.1 - CT Trending – BMID Mission Creek Source – May 2026



CTa – CT achieved
CTr – CT Required

The minimum CT that BMID achieved was 2.41 X that of what was required

Table 4.2 - CT Table – Mission Creek Source

BMID May 2026 Mission Creek Source												
DATE	pH (Average)	TEMP (Present)	PEAK FLOW	Free Cl2 residual	CT achieved	CT req'd	CTa/CTr	Free Cl2 Req'd [mg/L]	Cl2 Dosage mg/L	TIME [mins]	FLOW Daily Average L/s	Dosage Average KG/Day
May												
1	6.90	12.4	612	1.41	385	97	3.99	0.35	3.27	273	453	128
2	7.00	12.6	724	1.48	342	100	3.43	0.43	3.27	231	523	148
3	7.05	12.9	466	1.52	545	100	5.46	0.28	3.27	359	581	164
4	7.10	13.4	852	1.31	257	96	2.67	0.49	3.30	196	639	182
5	7.05	13.2	844	1.33	263	96	2.75	0.48	3.47	198	690	207
6	7.06	13.0	891	1.53	287	100	2.88	0.53	3.49	188	764	230
7	7.09	13.3	981	1.57	267	99	2.70	0.58	3.52	170	806	245
8	7.17	13.5	965	1.42	246	99	2.48	0.57	3.49	173	731	221
9	7.25	12.7	916	1.47	268	109	2.47	0.60	3.39	182	768	225
10	7.23	12.8	937	1.44	257	107	2.41	0.60	3.45	178	798	238
11	7.20	12.6	907	1.50	277	108	2.57	0.58	3.43	184	771	229
12	7.09	13.1	928	1.74	313	102	3.07	0.57	3.40	180	761	223
13	6.99	13.0	773	1.64	354	98	3.61	0.45	3.37	216	477	139
14	6.91	13.0	448	1.51	563	94	5.99	0.25	3.36	373	307	89
15	6.86	13.1	484	1.39	480	90	5.32	0.26	3.34	346	333	96
16	6.86	13.2	490	1.35	460	89	5.15	0.26	3.34	341	302	87
17	6.90	13.3	513	1.32	430	90	4.79	0.28	3.34	326	316	91
18	6.89	13.3	595	1.44	404	91	4.46	0.32	3.33	281	427	123
19	6.95	13.3	657	1.53	389	94	4.16	0.37	3.45	254	528	158
20	7.02	13.3	822	1.67	340	97	3.49	0.48	3.58	203	640	198
21	7.12	13.2	792	1.53	323	101	3.21	0.48	3.45	211	630	188
22	7.22	13.1	690	1.50	364	105	3.47	0.43	3.32	242	597	171
23	7.25	13.7	750	1.38	308	100	3.06	0.45	3.32	223	653	187
24	7.29	14.3	836	1.47	294	99	2.98	0.49	3.32	200	677	195
25	7.17	14.0	703	1.55	368	97	3.79	0.41	3.33	238	535	154
26	7.11	14.3	736	1.66	377	94	4.01	0.41	3.32	227	613	176
27	7.17	14.8	832	1.57	315	92	3.43	0.46	3.33	201	675	194
28	7.19	14.9	883	1.51	286	92	3.12	0.48	3.33	189	695	200
29	7.12	16.0	727	1.43	329	82	4.01	0.36	3.33	230	401	115
30	7.03	15.6	561	1.65	492	83	5.91	0.28	3.33	298	341	98
31	6.99	15.7	421	1.45	576	80	7.22	0.20	3.25	398	332	93
Averages	7.07	13.57	733	1.49	360	96	3.81	0.43	3.37	242.3	573.01	167.45

*This calculation is based on a total volume of 10,030 m^3 of water to calculate contact time

5.0 ULTRAVIOLET DISINFECTION

Total Water Treated:	1,709,060 m^3	100.000%
On-Spec Water:	1,707,766 m^3	99.924%
Off-Spec Water:	1,294 m^3	0.076%

Average monthly chlorine residual before UV Treatment was 1.61 mg/L
The average monthly chlorine residual after UV treatment and re-chlorination was 1.54 mg/L.

Figure 5.1 - UV Disinfection – BMID Mission Creek Source – May 2026

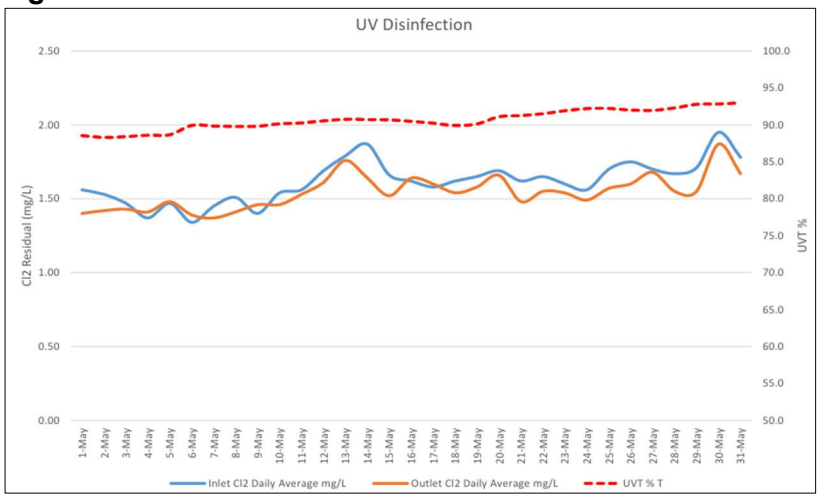


Table 5.2 - UV Disinfection Table – Mission Creek Source

	Inlet Cl2 Daily	Outlet Cl2 Daily	UVT	Turbidity		In Spec Water	Off Spec Water	Off Spec % of Water Volume
Date	mg/L	mg/L	% T	NTU		Cubic Meters	Cubic Meters	Percentage
1-May	1.56	1.40	88.6	0.69		41525	0	0.00%
2-May	1.53	1.42	88.3	0.80		46812	0	0.00%
3-May	1.47	1.43	88.4	0.69		52065	0	0.00%
4-May	1.37	1.41	88.6	0.73		58099	0	0.00%
5-May	1.47	1.48	88.7	0.75		61876	0	0.00%
6-May	1.34	1.39	89.9	0.79		68986	0	0.00%
7-May	1.45	1.37	89.8	0.85		72945	0	0.00%
8-May	1.51	1.41	89.8	0.79		72990	0	0.00%
9-May	1.40	1.46	89.8	0.68		69762	0	0.00%
10-May	1.54	1.46	90.2	0.67		71557	647	0.90%
11-May	1.56	1.53	90.3	0.64		71604	647	0.90%
12-May	1.69	1.61	90.5	0.63		68857	0	0.00%
13-May	1.79	1.76	90.8	0.62		68543	0	0.00%
14-May	1.87	1.64	90.7	0.64		43490	0	0.00%
15-May	1.66	1.52	90.7	0.65		29784	0	0.00%
16-May	1.62	1.64	90.5	0.67		29801	0	0.00%
17-May	1.58	1.60	90.2	0.69		28677	0	0.00%
18-May	1.62	1.54	89.9	0.71		38195	0	0.00%
19-May	1.65	1.58	90.1	0.71		48437	0	0.00%
20-May	1.69	1.66	91.1	0.73		58239	0	0.00%
21-May	1.62	1.48	91.3	0.74		58276	0	0.00%
22-May	1.65	1.55	91.5	0.71		56406	0	0.00%
23-May	1.60	1.54	91.9	0.71		59465	0	0.00%
24-May	1.56	1.49	92.2	0.76		60518	0	0.00%
25-May	1.70	1.57	92.2	0.70		60558	0	0.00%
26-May	1.75	1.60	92.0	0.63		55984	0	0.00%
27-May	1.70	1.68	92.0	0.67		60356	0	0.00%
28-May	1.67	1.55	92.3	0.67		63351	0	0.00%
29-May	1.71	1.55	92.8	0.67		63392	0	0.00%
30-May	1.95	1.87	92.8	0.67		36665	0	0.00%
31-May	1.78	1.67	93.0	0.68		30556	0	0.00%
Average	1.61	1.54	90.7	0.70	Total	1707766	1294	0.076%

6.0 WATER DISTRIBUTION SAMPLING (TREATED)

Third Party Analysis (CARO Analytical Services)

- Samples taken once per week at ten locations around the BMID service area.
- 30 samples were found to be absent of Coliforms.
- 30 samples were found to be absent of *E.Coli*.

Table 6.1 - CARO Independent Lab Testing – Total Coliforms – *E.Coli*

	7-Apr-26		13-Apr-26		20-Apr-26		28-Apr-26		4-May-26		11-May-26		19-May-26		25-May-26	
Date	Coliforms	E.Coli	Coliforms	E.Coli	Coliforms	E.Coli	Coliforms	E.Coli	Coliforms	E.Coli	Coliforms	E.Coli	Coliforms	E.Coli	Coliforms	E.Coli
2921 Belgo Rd			0	0	0	0	0	0			0	0			0	0
Booster #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ellison Blow-Off	0	0							0	0			0	0		
Ellison School	0	0							0	0			0	0		
3976 Highway 97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Prospect Reservoir			0	0	0	0	0	0			0	0			0	0
Tower Ranch Reservoir	0	0							0	0			0	0		
Well #4																
Well #5							0	0			0	0	0	0	0	0
Well# 6																
Surface water at Well #4	0	0	0	0	0	0			0	0						
Kirshner Reservoir			0	0	0	0	0	0			0	0			0	0
Pearson School	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Esquire Reservoir			0	0	0	0	0	0			0	0			0	0

In-House Analysis (BMID Staff)

- Presence/Absence samples taken on a three-week cycle at seven sites around the BMID service area.
- 9 of 9 samples were found to be absent of bacteria.

Table 6.2 - BMID In-house Testing – Presence Absence

	5/4/2026				5/11/2026				5/19/2026				5/25/2026			
Location	Cl2	Temp.	Pres.	Abs.	Cl2	Temp.	Pres.	Abs.	Cl2	Temp.	Pres.	Abs.	Cl2	Temp.	Pres.	Abs.
Sylvania Cres					0.76	14.3	-	X								
170 Kneller Rd					0.47	14.6	-	X								
2105 Morrison									1.32	13.2	-	X				
Staymen Rd									0.96	12.9	-	X				
260 Campion Rd	0.13	12.2	-	X									0.03	13.5	-	X
Fenwick Rd	0.24	13.6	-	X									0.54	14.9	-	X
Solly Ct					1.06	12.9	-	X								

7.0 CUSTOMER CALLS - INFRASTRUCTURE REPAIRS – CONSTRUCTION ACTIVITY

7.1 Customer Complaints

Date	Incident
May 25, 2026	Taste and odor complaint from customer at 1132 Findlay Rd

7.2 Infrastructure Repairs & Renewal

Date	Incident
May 5, 2026	Mainline valve replacement – 700 Tartan
May 7, 2026	Mainline valve replacement – 1895 Jonathan
May 13, 2026	Domestic service repair – 1900 Gallagher Ct
May 15, 2026	Mainline valve replacement – Hayashi Rd
May 25, 2026	Water service removal – 115 Kneller Rd

7.3 New Water Infrastructure Construction

Date	Incident
May 21	211 Kneller Rd – Hot tap for a new service