MONTHLY REPORTING PERIOD - APRIL, 2026

SUMMARY

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

WATER SUPPLY SUMMARY

Water Source	Active / Not Active	Volume (Mega Liters)	Irrigation / Domestic	Comments
Mission Ck.	**Active**	**572.94**	**Domestic/Irrig.**	Primary Water supply. Domestic and irrig. demand.
Scotty Creek	Not Active	0	Irrig. only	Scotty Creek will resume operations 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**	**17.00**	**Domestic/Irrig**	Well #5 has resumed operations for summer 2026
Well 6	**Active**	**1.82**	**Irrig. only**	Well # 6 has resumed operations for summer 2026
April 2026	**Total:**	**591.75**		**10 Year Average for April = 472.77**

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	0	1.75	5
Stevens Reservoir	4	0	0	0
Hadden Reservoir	4	0	0.5	1

Treated Water Microbiological Summary		**Turbidity Summary**		
Location	Low Reading	Average Reading	High Reading	Comments
Mission Creek Raw Water	1.23 NTU	3.32 NTU	11.47 NTU	
Distribution Intake	0.26 NTU	0.38 NTU	0.47 NTU	
UV Plant	0.63 NTU	0.97 NTU	1.79 NTU	See section 3.0 for comments
Booster # 1 (first customer)	0.38 NTU	0.51 NTU	0.87 NTU	

UV Treatment Plant				
Plant Flow Volume	In-Spec	Off-Spec	% Off-Spec	Comments
572,936 m^3	972,911 m^3	25 m^3	0.004%	

WATER QUALITY DISTRIBUTION TESTING

		CARO (third party) Testing	**32**
BMID Population:	30,000	In House Pres./Absence	**9**
Required Minimum # of Tests:	30	Total Tests:	**41**
		Total Positive Tests:	**0**

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

1.0 FLOWS - APRIL, 2026

Mission Creek provided 96.82% of the 592 Mega Liters used in the BMID system in April.

Figure 1.1 - Domestic Water System Flow

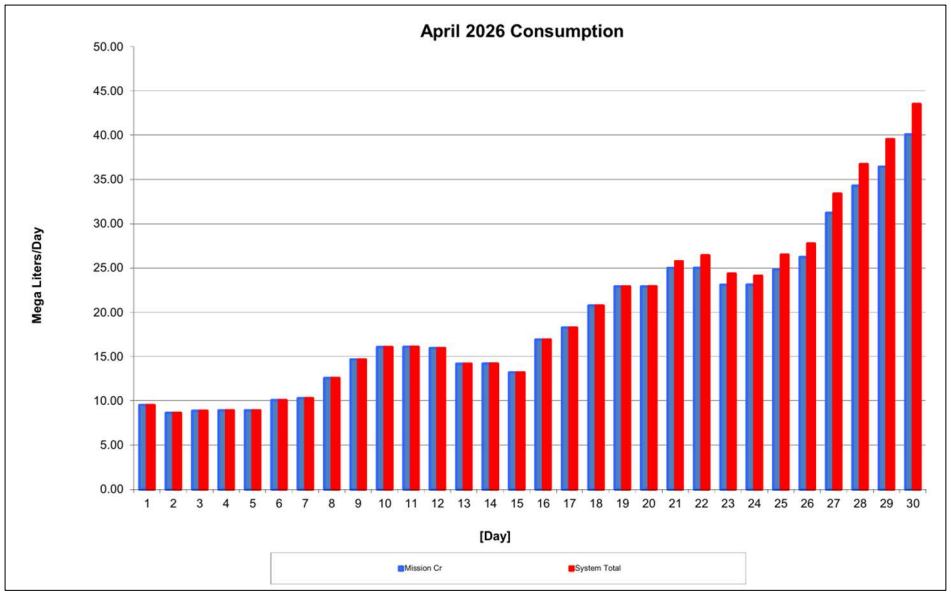


Table 1.2 - April 2026 - Daily Consumption Report

Year	Mission Cr	Well #4	Well #5	Well #6	System Total
2026	ML/Day	ML/Day	ML/Day	ML/Day	ML/Day
1-Apr	9.51	0.00	0.00	0.00	9.51
2-Apr	8.61	0.00	0.00	0.00	8.61
3-Apr	8.85	0.00	0.00	0.00	8.85
4-Apr	8.91	0.00	0.00	0.00	8.91
5-Apr	8.92	0.00	0.00	0.00	8.92
6-Apr	10.06	0.00	0.00	0.00	10.06
7-Apr	10.29	0.00	0.00	0.00	10.29
8-Apr	12.55	0.00	0.00	0.00	12.55
9-Apr	14.65	0.00	0.00	0.00	14.65
10-Apr	16.07	0.00	0.00	0.00	16.07
11-Apr	16.08	0.00	0.00	0.00	16.08
12-Apr	15.94	0.00	0.00	0.00	15.94
13-Apr	14.18	0.00	0.00	0.00	14.18
14-Apr	14.19	0.00	0.00	0.00	14.19
15-Apr	13.19	0.00	0.00	0.00	13.19
16-Apr	16.91	0.00	0.00	0.00	16.91
17-Apr	18.24	0.00	0.00	0.00	18.24
18-Apr	20.74	0.00	0.00	0.00	20.74
19-Apr	22.90	0.00	0.00	0.00	22.90
20-Apr	22.92	0.00	0.02	0.00	22.93
21-Apr	24.99	0.00	0.77	0.00	25.75
22-Apr	25.00	0.00	1.42	0.00	26.42
23-Apr	23.10	0.00	1.25	0.00	24.35
24-Apr	23.11	0.00	1.01	0.00	24.12
25-Apr	24.81	0.00	1.68	0.00	26.49
26-Apr	26.22	0.00	1.54	0.00	27.76
27-Apr	31.22	0.00	2.15	0.01	33.37
28-Apr	34.29	0.00	2.25	0.18	36.72
29-Apr	36.42	0.00	2.59	0.52	39.53
30-Apr	40.07	0.00	2.33	1.11	43.51
Totals ML	**572.936**	**0.000**	**16.996**	**1.817**	**591.749**
Avg's	19.098	0.00			19.725
Max	40.070	0.00			43.510
Min	8.614	0.00			8.614

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) March 2026 - April 2026

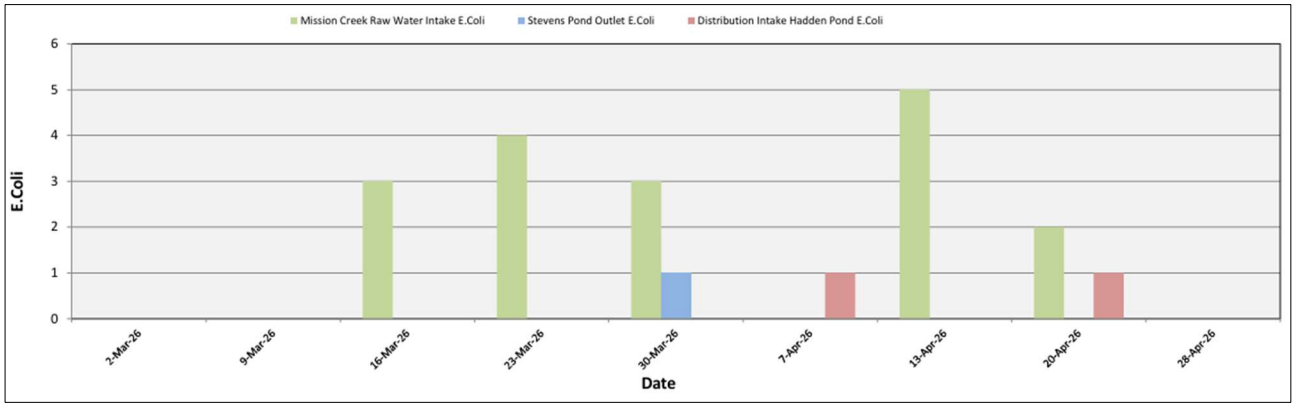


Table 2.1 - *E.Coli* Readings (CARO Labs)

Date	Mission Creek Raw Water Intake E.Coli	Stevens Pond Outlet E.Coli	Distribution Intake Hadden Pond E.Coli
2-Mar-26	0	0	0
9-Mar-26	0	0	0
16-Mar-26	3	0	0
23-Mar-26	4	0	0
30-Mar-26	3	1	0
7-Apr-26	0	0	1
13-Apr-26	5	0	0
20-Apr-26	2	0	1
28-Apr-26	0	0	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 0.87 NTU on April 27, 2026.

The UV plant's turbidity meter had several errors throughout April, leading to unreliable data. However, the on-line turbidity meters upstream and downstream of the UV plant read consistently low in April.

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

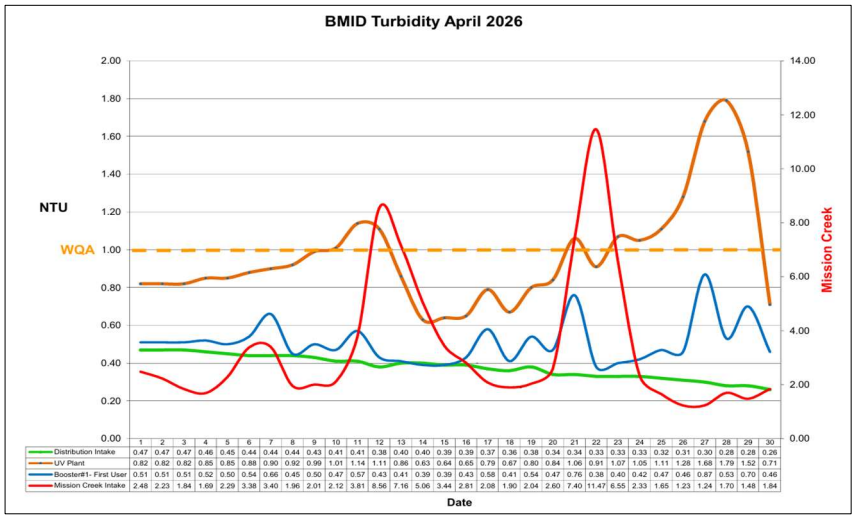


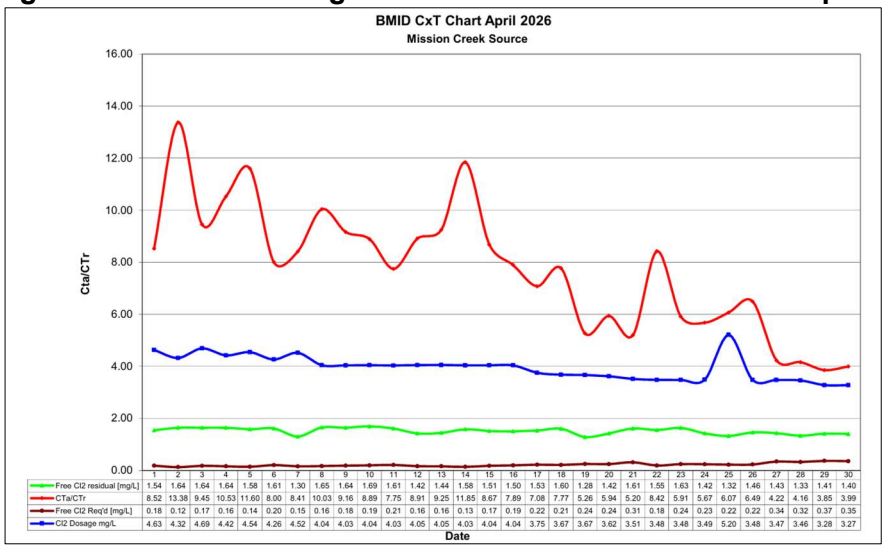
Table 3.1 - Daily Monitoring Record – Turbidity at On-Line Turbidity Analyzers

Turbidity Point Sampling for April 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	2.48	0.47	0.82	0.51
2	2.23	0.47	0.82	0.51
3	1.84	0.47	0.82	0.51
4	1.69	0.46	0.85	0.52
5	2.29	0.45	0.85	0.50
6	3.38	0.44	0.88	0.54
7	3.40	0.44	0.90	0.66
8	1.96	0.44	0.92	0.45
9	2.01	0.43	0.99	0.50
10	2.12	0.41	1.01	0.47
11	3.81	0.41	1.14	0.57
12	8.56	0.38	1.11	0.43
13	7.16	0.40	0.86	0.41
14	5.06	0.40	0.63	0.39
15	3.44	0.39	0.64	0.39
16	2.81	0.39	0.65	0.43
17	2.08	0.37	0.79	0.58
18	1.90	0.36	0.67	0.41
19	2.04	0.38	0.80	0.54
20	2.60	0.34	0.84	0.47
21	7.40	0.34	1.06	0.76
22	11.47	0.33	0.91	0.38
23	6.55	0.33	1.07	0.40
24	2.33	0.33	1.05	0.42
25	1.65	0.32	1.11	0.47
26	1.23	0.31	1.28	0.46
27	1.24	0.30	1.68	0.87
28	1.70	0.28	1.79	0.53
29	1.48	0.28	1.52	0.70
30	1.84	0.26	0.71	0.46
AVG	3.32	0.38	0.97	0.51

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 April, 2026.

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



CTa – CT achieved
CTr – CT Required

The minimum CT that BMID achieved was 3.85 X that of what was required

Table 4.2 - CT Table – Mission Creek Source

BMID April 2026 Mission Creek Source												
DATE	pH	TEMP	PEAK	Free Cl2	CT	CT	CTa/CTr	Free Cl2	Cl2	TIME	FLOW	Dosage
	(Average)	(Present)	FLOW	residual	achieved	req'd		Req'd	Dosage		Daily Average	Average
April		[°C]	L/s	[mg/L]				[mg/L]	mg/L	[mins]	L/s	KG/Day
1	7.16	7.6	200	1.54	1284.7	150.7	8.52	0.18	4.63	834	81	32
2	7.14	7.8	138	1.64	1991.9	148.9	13.38	0.12	4.32	1215	83	31
3	7.13	7.8	196	1.64	1402.3	148.4	9.45	0.17	4.69	855	82	33
4	7.12	8.1	180	1.64	1523.8	144.8	10.53	0.16	4.42	929	88	34
5	7.12	8.5	163	1.58	1624.5	140.0	11.60	0.14	4.54	1028	84	33
6	7.10	8.6	243	1.61	1107.4	138.4	8.00	0.20	4.26	688	103	38
7	7.10	9.3	202	1.30	1073.9	127.7	8.41	0.15	4.52	826	99	39
8	7.09	9.5	211	1.65	1304.4	130.0	10.03	0.16	4.04	791	135	47
9	7.08	9.7	234	1.64	1169.3	127.6	9.16	0.18	4.03	713	156	54
10	7.08	9.9	251	1.69	1123.8	126.4	8.89	0.19	4.04	665	172	60
11	7.09	10.6	290	1.61	929.5	120.0	7.75	0.21	4.03	577	171	59
12	7.08	10.8	230	1.42	1031.3	115.7	8.91	0.16	4.05	726	143	50
13	7.04	10.9	230	1.44	1048.9	113.4	9.25	0.16	4.05	728	151	53
14	7.02	10.9	195	1.58	1351.8	114.1	11.85	0.13	4.03	856	138	48
15	7.01	10.9	258	1.51	979.4	112.9	8.67	0.17	4.04	649	141	49
16	6.98	10.8	283	1.50	886.1	112.3	7.89	0.19	4.04	591	181	63
17	6.98	10.7	319	1.53	802.3	113.4	7.08	0.22	3.75	524	194	63
18	6.97	10.8	305	1.60	877.3	112.9	7.77	0.21	3.67	548	221	70
19	6.95	10.9	378	1.28	566.4	107.6	5.26	0.24	3.67	443	245	78
20	6.93	11.5	384	1.42	617.9	104.1	5.94	0.24	3.62	435	254	79
21	6.92	10.5	457	1.61	588.4	113.2	5.20	0.31	3.51	365	279	85
22	6.92	12.2	308	1.55	842.4	100.0	8.42	0.18	3.48	543	233	70
23	6.91	11.9	392	1.63	606.0	102.5	5.91	0.24	3.48	427	256	77
24	6.95	11.5	371	1.42	595.0	104.9	5.67	0.23	3.49	451	243	73
25	6.96	11.3	344	1.32	640.7	105.6	6.07	0.22	5.20	485	181	81
26	6.90	11.2	357	1.46	684.4	105.4	6.49	0.22	3.48	469	294	88
27	6.83	11.1	550	1.43	434.4	103.0	4.22	0.34	3.47	304	351	105
28	6.80	11.4	542	1.33	410.1	98.6	4.16	0.32	3.46	308	374	112
29	6.81	11.7	625	1.41	376.8	97.8	3.85	0.37	3.28	267	406	115
30	6.83	12.0	608	1.40	385.0	96.4	3.99	0.35	3.27	275	448	127
Averages	7.00	10.35	315	1.51	942.0	117.9	7.74	0.21	3.95	617.2	199.61	64.92

*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:	572,936 m^3	100.000%
On-Spec Water:	572,911 m^3	99.996%
Off-Spec Water:	25 m^3	0.004%

Average monthly chlorine residual before UV Treatment was 1.71 mg/L
The average monthly chlorine residual after UV treatment and re-chlorination was 1.68 mg/L.

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

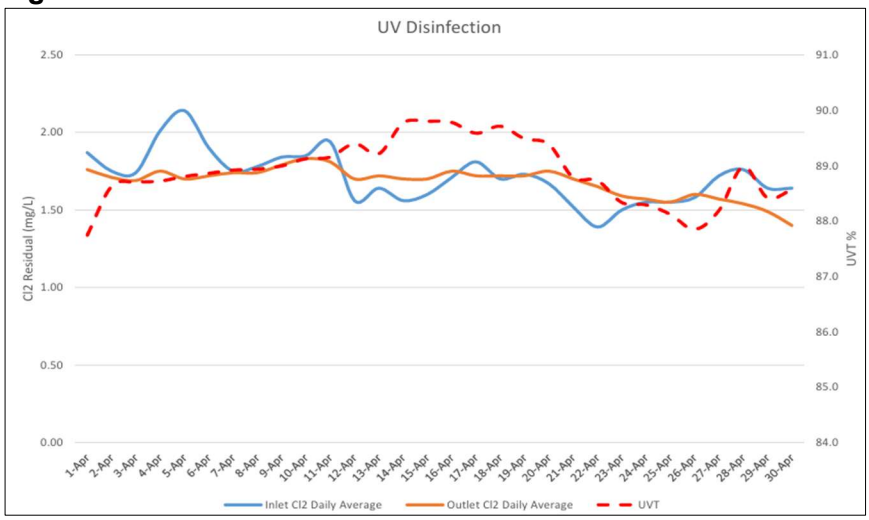


Table 5.2 - UV Disinfection Table – Mission Creek Source

	Inlet Cl2 Daily	Outlet Cl2 Daily		UVT	Turbidity		In Spec Water Volume	Off Spec Water	Off Spec % of Water
Date	mg/L	mg/L		% T	NTU		Cubic Meters	Cubic Meters	Percentage
1-Apr	1.87	1.76		87.7	0.82		9510.0	0	0.00%
2-Apr	1.75	1.71		88.6	0.82		8613.8	0	0.00%
3-Apr	1.74	1.69		88.7	0.82		8853.5	0	0.00%
4-Apr	2.01	1.75		88.7	0.85		8913.4	0	0.00%
5-Apr	2.14	1.70		88.8	0.85		8917.1	0	0.00%
6-Apr	1.90	1.72		88.9	0.88		10059.4	0	0.00%
7-Apr	1.75	1.74		88.9	0.90		10288.9	0	0.00%
8-Apr	1.78	1.74		88.9	0.92		12552.8	0	0.00%
9-Apr	1.84	1.79		89.0	0.99		14650.0	0	0.00%
10-Apr	1.85	1.83		89.1	1.01		16065.3	0	0.00%
11-Apr	1.94	1.81		89.2	1.14		16078.4	0	0.00%
12-Apr	1.56	1.70		89.4	1.11		15940.8	0	0.00%
13-Apr	1.64	1.72		89.2	0.86		14180.6	0	0.00%
14-Apr	1.56	1.70		89.8	0.63		14187.0	0	0.00%
15-Apr	1.60	1.70		89.8	0.64		13185.6	0	0.00%
16-Apr	1.71	1.75		89.8	0.65		16906.9	0	0.00%
17-Apr	1.81	1.72		89.6	0.79		18242.4	0	0.00%
18-Apr	1.70	1.72		89.7	0.67		20740.2	0	0.00%
19-Apr	1.73	1.72		89.5	0.80		22904.4	0	0.00%
20-Apr	1.67	1.75		89.4	0.84		22918.0	0	0.00%
21-Apr	1.52	1.70		88.8	1.06		24987.0	0	0.00%
22-Apr	1.39	1.65		88.7	0.91		24999.5	0	0.00%
23-Apr	1.50	1.59		88.3	1.07		23084.5	12.7	0.06%
24-Apr	1.55	1.57		88.3	1.05		23100.9	12.7	0.05%
25-Apr	1.55	1.55		88.1	1.11		24809.3	0	0.00%
26-Apr	1.58	1.60		87.9	1.28		26219.7	0	0.00%
27-Apr	1.72	1.57		88.2	1.68		31215.0	0	0.00%
28-Apr	1.76	1.54		89.0	1.79		34292.3	0	0.00%
29-Apr	1.64	1.49		88.4	1.52		36423.9	0	0.00%
30-Apr	1.64	1.40		88.6	0.71		40069.9	0	0.00%
Average	1.71	1.68		88.9		Total	572910.5	25.4	0.004%

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.
- 32 samples were found to be absent of Coliforms.
- 32 samples were found to be absent of *E.Coli*.

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

	2-Mar-26		March 9,2026		16-Mar-26		23-Mar-26		30-Mar-26		7-Apr-26		13-Apr-26		20-Apr-26		28-Apr-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	Coliforms	E.Coli
2921 Belgo Rd	0	0			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	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	0	0
Prospect Reservoir	0	0			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
Well# 6																		
Surface water at Well #4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Kirshner Reservoir	0	0			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	0	0
Esquire Reservoir	0	0			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

	4/8/2026				4/13/2026				4/20/2026				4/29/2026			
Location	Cl2	Temp.	Pres.	Abs.	Cl2	Temp.	Pres.	Abs.	Cl2	Temp.	Pres.	Abs.	Cl2	Temp.	Pres.	Abs.
Sylvania Cres									1.16	14.5	-	X				
170 Kneller Rd									0.98	13.9	-	X				
2105 Morrison	0.84	10.4	-	X									0.81	14.7	-	X
Staymen Rd	0.54	10.2	-	X									1.08	6.1	-	X
260 Campion Rd					0.66	8.5	-	X								
Fenwick Rd					0.69	13.5	-	X								
Solly Ct									1.15	12.8	-	X				

Table 6.3 - BMID Disinfection By-product Testing – THM and HAA

28-Apr-26		
Location	THM (mg/L)	HAA (mg/L)
Kirschner Reservoir	**0.1010**	0.0671
Pearson School	0.0796	0.0737
2921 Belgo Rd	0.0861	0.0653
Ellison School	0.0825	**0.0807**
3976 Hwy 97 N	0.0862	0.0786

- THM quarterly averages (0.0871 mg/L) were within acceptable limits as set out in the Guideline for Canadian Drinking Water Quality (below 0.10 mg/L).
- HAA quarterly averages (0.0731 mg/L) were within acceptable limits (below 0.08 mg/L).

7.0 CUSTOMER CALLS - INFRASTRUCTURE REPAIRS – CONSTRUCTION ACTIVITY

7.1 Customer Complaints

Date	Incident
-	No customer water quality complaints in April 2026.

7.2 Infrastructure Repairs & Renewal

Date	Incident
April 7, 2026	Blow-off repair – 1630 Garner
April 11, 2026	Watermain break repair – McCurdy Rd
April 16, 2026	Domestic service repair – 756 Wallace Rd
April 28, 2026	Domestic service repair – 2283 Garner Rd
April 28, 2026	Watermain shutdown – Loseth Rd

7.3 New Water Infrastructure Construction

Date	Incident
April 13, 2026	Phase 2/3 Tower Ranch tie-in
April 23, 2026	Cornish Well – Trench Excavation for new well infrastructure
April 23, 2026	Booster pump installation and testing -Kirschner booster station
April 27, 2026	Excavation – Crossing AC main at Rutland Rd and Mugford