MONTHLY REPORTING PERIOD - FEBRUARY, 2026

SUMMARY

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

WATER SUPPLY SUMMARY

Water Source	Active / Not Active	Volume (Mega Liters)	Irrigation / Domestic	Comments
Mission Ck.	**Active**	**195.85**	**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	**Active**	0.17	**Domestic**	Well 4 secondary water source in north-end
Well 5	Not Active	0	Domestic/Irrig	Well #5 will resume operations summer 2026
Well 6	Not Active	0	Irrig. only	Well # 6 will resume operations summer 2026
February 2026	**Total:**	**196.02**		**10 Year Average for February = 214.20**

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	1	1.5	2
Stevens Reservoir	4	0	0	0
Hadden Reservoir	4	0	0.25	1

Treated Water Microbiological Summary		**Turbidity Summary**		
Location	Low Reading	Average Reading	High Reading	Comments
Mission Creek Raw Water	0.41 NTU	1.08 NTU	1.98 NTU	
Distribution Intake	0.38 NTU	0.42 NTU	0.54 NTU	
UV Plant	0.54 NTU	0.56 NTU	0.58 NTU	
Booster # 1 (first customer)	0.42 NTU	0.47 NTU	0.67 NTU	

UV Treatment Plant				
Plant Flow Volume	In-Spec	Off-Spec	% Off-Spec	Comments
195,850 m^3	195,668 m^3	182 m^3	0.09%	Water Quality Advisory: See section 5.0 for details

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 - FEBRUARY, 2026

Mission Creek provided 99.9% of the 196 Mega Liters used in the BMID system in February, with Well 4 supplying the remaining water.

Figure 1.1 - Domestic Water System Flow

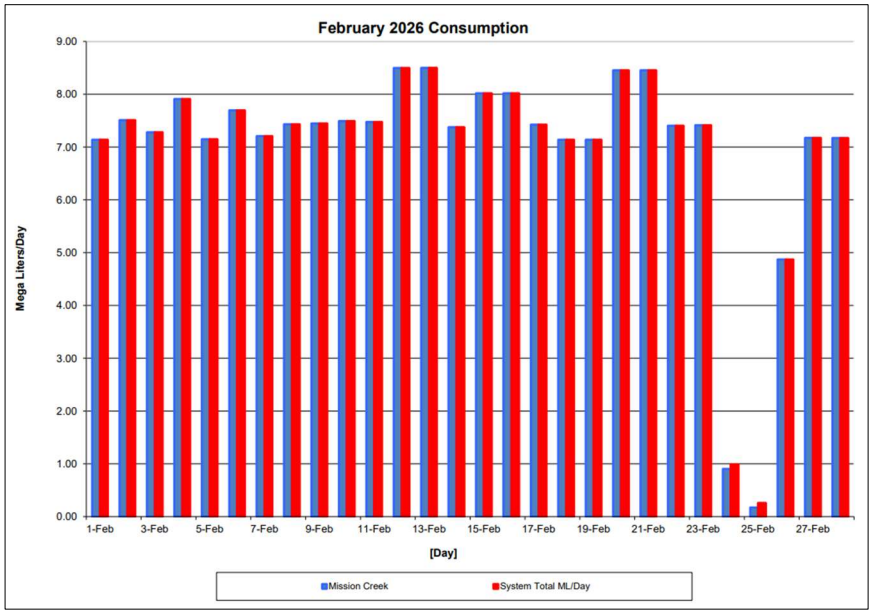


Table 1.2 - February 2026 - Daily Consumption Report

Year	Mission Creek	Well #4	Well #5	Well #6	System Total
2026	ML/Day	ML/Day	ML/Day	ML/Day	ML/Day
1-Feb	7.14	0.00	-	-	7.14
2-Feb	7.51	0.00	-	-	7.51
3-Feb	7.28	0.00	-	-	7.28
4-Feb	7.91	0.00	-	-	7.91
5-Feb	7.15	0.00	-	-	7.15
6-Feb	7.69	0.00	-	-	7.69
7-Feb	7.21	0.00	-	-	7.21
8-Feb	7.43	0.00	-	-	7.43
9-Feb	7.45	0.00	-	-	7.45
10-Feb	7.49	0.00	-	-	7.49
11-Feb	7.48	0.00	-	-	7.48
12-Feb	8.50	0.00	-	-	8.50
13-Feb	8.50	0.00	-	-	8.50
14-Feb	7.37	0.00	-	-	7.37
15-Feb	8.02	0.00	-	-	8.02
16-Feb	8.02	0.00	-	-	8.02
17-Feb	7.42	0.00	-	-	7.42
18-Feb	7.14	0.00	-	-	7.14
19-Feb	7.14	0.00	-	-	7.14
20-Feb	8.45	0.00	-	-	8.45
21-Feb	8.45	0.00	-	-	8.45
22-Feb	7.40	0.00	-	-	7.40
23-Feb	7.41	0.00	-	-	7.41
24-Feb	0.90	0.09	-	-	0.99
25-Feb	0.17	0.09	-	-	0.26
26-Feb	4.87	0.00	-	-	4.87
27-Feb	7.17	0.00	-	-	7.17
28-Feb	7.17	0.00	-	-	7.17
Totals ML	**195.85**	**0.17**	**0.00**	**0.00**	**196.02**
Avg's	6.99	0.01			7.00
Max	8.50	0.09			8.50
Min	0.17	0.00			0.26

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) January 2025 - February 2026

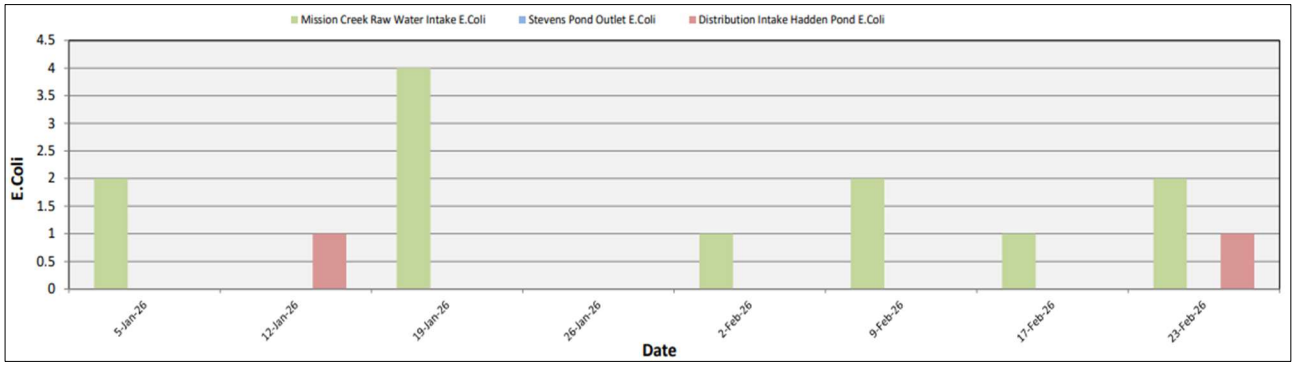


Table 2.1 - *E.Coli* Readings (CARO Labs)

Date	Mission Creek Raw Water Intake E.Coli	Stevens Pond Outlet E.Coli	Distribution Intake Hadden Pond E.Coli
5-Jan-26	2	0	0
12-Jan-26	0	0	1
19-Jan-26	4	0	0
26-Jan-26	0	0	0
2-Feb-26	1	0	0
9-Feb-26	2	0	0
17-Feb-26	1	0	0
23-Feb-26	2	0	1

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.)

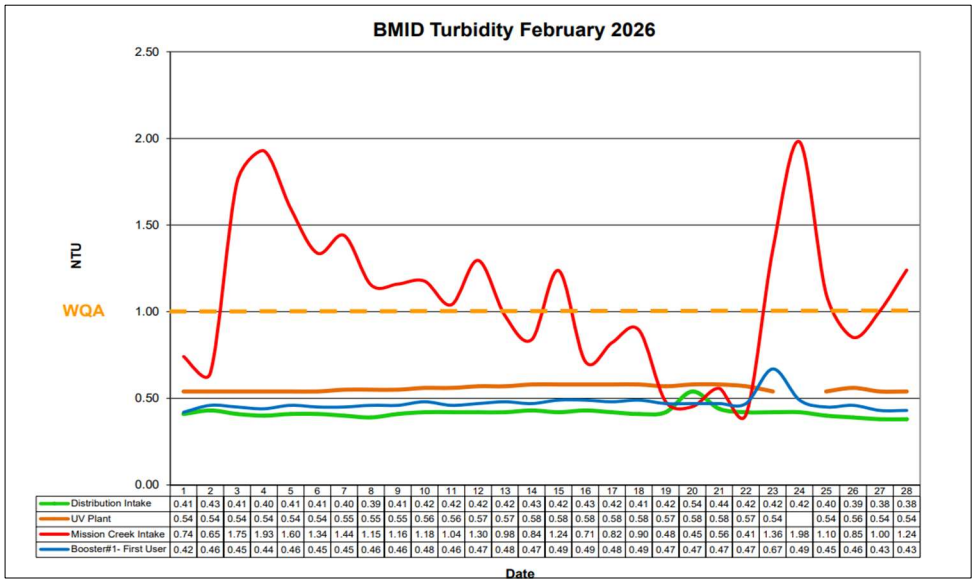
Hadden Outlet (Raw) - Sampling point after exiting 75,000 m^3 2nd lower balancing reservoir (Hadden Res.)

(*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 0.67 NTU on February 23, 2026.

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



	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
Distribution Intake	0.41	0.43	0.41	0.40	0.41	0.41	0.40	0.39	0.41	0.42	0.42	0.42	0.42	0.43	0.42	0.43	0.42	0.41	0.42	0.54	0.44	0.42	0.42	0.42	0.40	0.39	0.38	0.38
UV Plant	0.54	0.54	0.54	0.54	0.54	0.54	0.55	0.55	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.58	0.58	0.58	0.57	0.58	0.58	0.57	0.54		0.54	0.56	0.54	0.54
Mission Creek Intake	0.74	0.65	1.75	1.93	1.60	1.34	1.44	1.15	1.16	1.18	1.04	1.30	0.98	0.84	1.24	0.71	0.82	0.90	0.48	0.45	0.56	0.41	1.36	1.98	1.10	0.85	1.00	1.24
Booster#1- First User	0.42	0.46	0.45	0.44	0.46	0.45	0.45	0.46	0.46	0.48	0.46	0.47	0.48	0.47	0.49	0.49	0.48	0.49	0.47	0.47	0.47	0.47	0.67	0.49	0.45	0.46	0.43	0.43

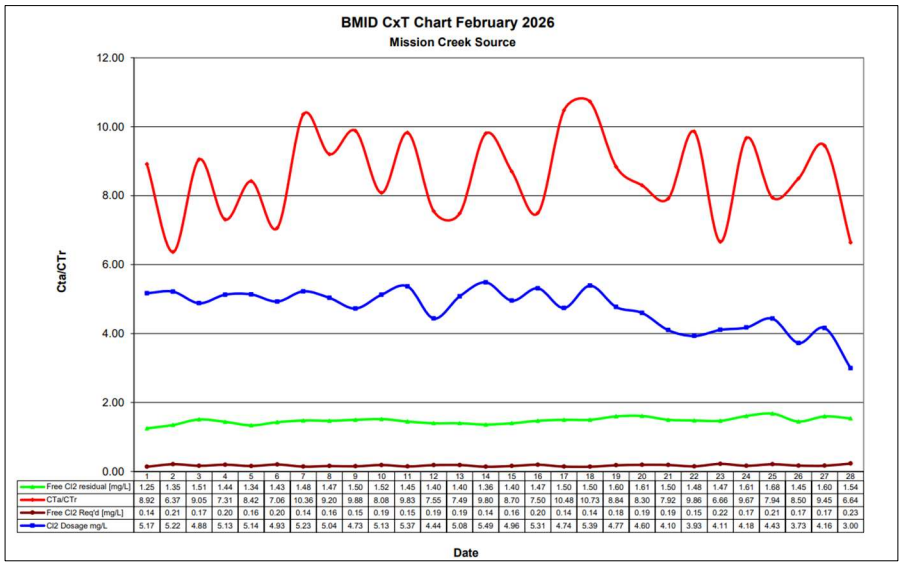
Table 3.1 - Daily Monitoring Record – Turbidity at On-Line Turbidity Analyzers

Turbidity Point Sampling for February 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	0.74	0.41	0.54	0.42
2	0.65	0.43	0.54	0.46
3	1.75	0.41	0.54	0.45
4	1.93	0.40	0.54	0.44
5	1.60	0.41	0.54	0.46
6	1.34	0.41	0.54	0.45
7	1.44	0.40	0.55	0.45
8	1.15	0.39	0.55	0.46
9	1.16	0.41	0.55	0.46
10	1.18	0.42	0.56	0.48
11	1.04	0.42	0.56	0.46
12	1.30	0.42	0.57	0.47
13	0.98	0.42	0.57	0.48
14	0.84	0.43	0.58	0.47
15	1.24	0.42	0.58	0.49
16	0.71	0.43	0.58	0.49
17	0.82	0.42	0.58	0.48
18	0.90	0.41	0.58	0.49
19	0.48	0.42	0.57	0.47
20	0.45	0.54	0.58	0.47
21	0.56	0.44	0.58	0.47
22	0.41	0.42	0.57	0.47
23	1.36	0.42	0.54	0.67
24	1.98	0.42	-	0.49
25	1.10	0.40	0.54	0.45
26	0.85	0.39	0.56	0.46
27	1.00	0.38	0.54	0.43
28	1.24	0.38	0.54	0.43
AVG	1.08	0.42	0.56	0.47

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 February, 2026.

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



CTa – CT achieved
CTr – CT Required

The minimum CT that BMID achieved was 6.37 X that of what was required

Table 4.2 - CT Table – Mission Creek Source

BMID February 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
February		[°C]	L/s	[mg/L]				[mg/L]	mg/L	[mins]	Liters/Second	KG/Day
1	7.20	4.2	125	1.25	1673.4	187.7	8.92	0.14	5.17	1339	64	28
2	7.20	4.2	187	1.35	1208.6	189.9	6.37	0.21	5.22	895	66	30
3	7.20	3.9	141	1.51	1784.2	197.2	9.05	0.17	4.88	1182	68	29
4	7.21	3.9	168	1.44	1436.3	196.5	7.31	0.20	5.13	997	71	31
5	7.21	3.8	136	1.34	1648.1	195.7	8.42	0.16	5.14	1230	64	28
6	7.21	3.6	169	1.43	1415.8	200.4	7.06	0.20	4.93	990	72	31
7	7.21	4.3	124	1.48	1987.8	191.9	10.36	0.14	5.23	1343	63	29
8	7.21	3.9	135	1.47	1813.6	197.1	9.20	0.16	5.04	1234	68	30
9	7.20	4.5	134	1.50	1866.9	188.9	9.88	0.15	4.73	1245	72	29
10	7.21	4.7	168	1.52	1514.7	187.4	8.08	0.19	5.13	997	67	30
11	7.20	4.8	134	1.45	1809.3	184.1	9.83	0.15	5.37	1248	61	28
12	7.20	4.9	170	1.40	1373.7	181.9	7.55	0.19	4.44	981	88	34
13	7.22	5.0	172	1.40	1362.3	182.0	7.49	0.19	5.08	973	67	29
14	7.22	4.8	126	1.36	1801.2	183.7	9.80	0.14	5.49	1324	58	27
15	7.23	4.8	145	1.40	1610.9	185.2	8.70	0.16	4.96	1151	75	32
16	7.24	5.0	178	1.47	1384.2	184.7	7.50	0.20	5.31	942	65	30
17	7.24	4.9	128	1.50	1953.9	186.5	10.48	0.14	4.74	1303	67	27
18	7.24	4.8	124	1.50	2014.8	187.8	10.73	0.14	5.39	1343	60	28
19	7.24	4.6	157	1.60	1699.8	192.3	8.84	0.18	4.77	1062	68	28
20	7.22	4.8	172	1.61	1563.4	188.4	8.30	0.19	4.60	971	85	34
21	7.22	4.8	170	1.50	1475.8	186.4	7.92	0.19	4.10	984	76	27
22	7.25	4.5	131	1.48	1893.8	192.1	9.86	0.15	3.93	1280	79	27
23	7.25	4.4	191	1.47	1287.1	193.2	6.66	0.22	4.11	876	89	32
24	7.25	4.2	140	1.61	1920.7	198.6	9.67	0.17	4.18	1193	85	31
25	7.27	4.1	174	1.68	1610.8	202.8	7.94	0.21	4.43	959	73	28
26	7.28	4.2	144	1.45	1680.1	197.7	8.50	0.17	3.73	1159	77	25
27	7.28	4.1	140	1.60	1909.6	202.0	9.45	0.17	4.16	1194	73	26
28	7.28	4.3	196	1.54	1315.8	198.1	6.64	0.23	3.00	854	96	25
Averages	7.23	4.4	153	1.48	1643.4	191	8.59	0.2	4.73	1115.9	73	28.76

*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:	195,850 m^3	100.00%
On-Spec Water:	195,668 m^3	99.91%
Off-Spec Water:	182 m^3	0.09%

A scheduled Water Quality Advisory was issued between February 23 and March 6, 2026, for planned maintenance. Primary chlorine disinfection at the distribution intake remained in operation throughout the WQA, however, secondary disinfection at the UVP was off-line February 23 and 24. The WQA remains in effect until March 6, when fully treated water reaches the end of the distribution system.

Average monthly chlorine residual before UV Treatment was 1.61 mg/L
The average monthly chlorine residual after UV treatment and re-chlorination was 1.60 mg/L.

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

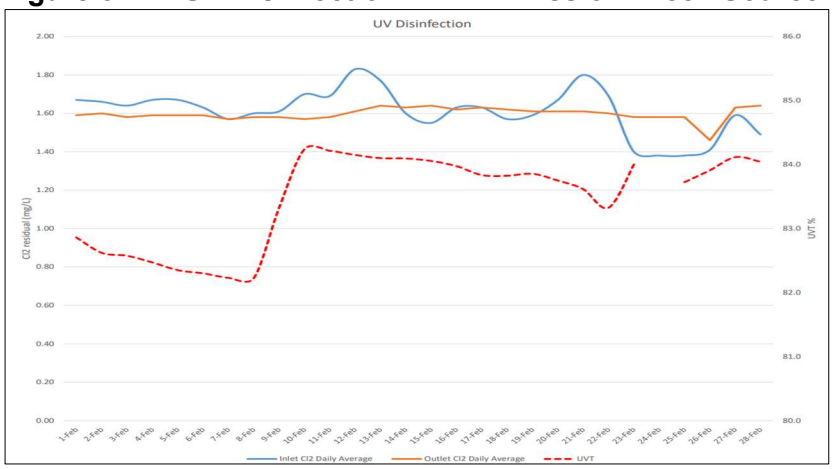


Table 5.2 - UV Disinfection Table – Mission Creek Source

	Inlet Cl2 Daily Average	Outlet Cl2 Daily Average		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-Feb	1.67	1.59		82.9	0.54		7138.4	0	0.00%
2-Feb	1.66	1.6		82.6	0.54		7510.4	0	0.00%
3-Feb	1.64	1.58		82.6	0.54		7259.6	20.4	0.28%
4-Feb	1.67	1.59		82.5	0.54		7908.9	1	0.01%
5-Feb	1.67	1.59		82.4	0.54		7147.9	0	0.00%
6-Feb	1.63	1.59		82.3	0.54		7694.3	0	0.00%
7-Feb	1.57	1.57		82.2	0.55		7190.7	15.6	0.22%
8-Feb	1.60	1.58		82.2	0.55		7430.4	0.8	0.01%
9-Feb	1.61	1.58		83.3	0.55		7430.7	16.8	0.23%
10-Feb	1.70	1.57		84.2	0.56		7475.2	16.8	0.22%
11-Feb	1.69	1.58		84.2	0.56		7475.4	0	0.00%
12-Feb	1.83	1.61		84.2	0.57		8497.6	0	0.00%
13-Feb	1.77	1.64		84.1	0.57		8497.8	0	0.00%
14-Feb	1.60	1.63		84.1	0.58		7374.4	0	0.00%
15-Feb	1.55	1.64		84.1	0.58		8017.3	0	0.00%
16-Feb	1.63	1.62		84.0	0.58		8017.5	0	0.00%
17-Feb	1.63	1.63		83.8	0.58		7423.2	0	0.00%
18-Feb	1.57	1.62		83.8	0.58		7136.9	0	0.00%
19-Feb	1.59	1.61		83.9	0.57		7137.1	0	0.00%
20-Feb	1.67	1.61		83.8	0.58		8453.4	0	0.00%
21-Feb	1.80	1.61		83.6	0.58		8453.6	0	0.00%
22-Feb	1.69	1.6		83.3	0.57		7404.1	0	0.00%
23-Feb	1.40	1.58		84.0	0.54		7404.3	9.6	0.13%
24-Feb	1.38	1.58					853.5	48.8	5.72%
25-Feb	1.38	1.58		83.7	0.54		122.5	48.8	39.84%
26-Feb	1.41	1.46		83.9	0.56		4869.2	1.6	0.03%
27-Feb	1.59	1.63		84.1	0.54		7171.7	1.6	0.02%
28-Feb	1.49	1.64		84.0	0.54		7171.9	0	0.00%
Average	1.61	1.60		83.5		Total	195667.9	181.8	0.0929%

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*

	5-Jan-26		12-Jan-26		19-Jan-26		26-Jan-26		2-Feb-26		9-Feb-26		17-Feb-26		23-Feb-26		25-Feb-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				
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			0	0		
Ellison School			0	0			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				
Tower Ranch Reservoir			0	0			0	0			0	0			0	0		
Well #4	0	0																
Well #5																		
Well# 6																		
Surface water at Well #4			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
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				

In-House Analysis (BMID Staff)

- Presence/Absence samples taken on a three-week cycle at seven sites around the BMID service area.
- All 9 samples were found to be absent of both *Total Coliforms* and *E.Coli*.

Table 6.2 - BMID In-house Testing – Presence Absence

	2/2/2026				2/9/2026				2/17/2026				2/23/2026			
Location	Cl2	Temp.	Pres.	Abs.	Cl2	Temp.	Pres.	Abs.	Cl2	Temp.	Pres.	Abs.	Cl2	Temp.	Pres.	Abs.
Sylvania Cres									0.99	8.1	-	X				
170 Kneller Rd									0.90	7.3	-	X				
2105 Morrison	0.60	9.9	-	X									0.94	8.8	-	X
Staymen Rd	0.26	9.4	-	X									0.20	8.8	-	X
260 Campion Rd					0.54	8.9	-	X								
Fenwick Rd					0.66	8.5	-	X								
Solly Ct									1.08	9.2	-	X				

7.0 CUSTOMER CALLS - INFRASTRUCTURE REPAIRS – CONSTRUCTION ACTIVITY

7.1 Customer Complaints

Date	Incident
Feb 23, 2026	Received various customer complaints/calls regarding the WQA issued Feb 23-March 6.

7.2 Infrastructure Repairs & Renewal

Date	Incident
Feb 4, 2026	Air valve renewal – Gibson Rd
Feb 9, 2026	Air valve renewal – Webster Rd
Feb 11, 2026	Air valve renewal – Surel Ct
Feb 18, 2026	Air valve renewal – Findlay Rd
Feb 23, 2026	Maintenance work at UV plant – Water Quality Advisory
Feb 24, 2025	Air valve renewal – Leathead Rd and McCurdy Rd

7.3 New Water Infrastructure Construction

Date	Incident
January - February	250mm watermain installation at 1200 Belgo Road (BMID works yard)
Ongoing	Upper Tower Ranch Pump Station – station construction
Feb 25 - ongoing	PRV #9 Relocation – Belgo Rd