



# MONTHLY REPORTING PERIOD - MARCH, 2026

## SUMMARY

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

### WATER SUPPLY SUMMARY

Water Source	Active / Not Active	Volume (Mega Liters)	Irrigation / Domestic	Comments
<b>Mission Ck.</b>	<b>Active</b>	<b>264.38</b>	<b>Domestic/Irrig.</b>	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	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
March 2026	<b>Total:</b>	<b>264.38</b>		<b>10 Year Average for March = 237.28</b>

### WATER QUALITY SUMMARY

Raw Water Microbiological Summary		E-Coli		
Location	# of Samples	Lowest <i>E. Coli</i> Reading	Ave. <i>E. Coli</i> Reading	Highest <i>E. Coli</i> Reading
Mission Creek Intake	5	0	2	4
Stevens Reservoir	5	0	0.2	1
Hadden Reservoir	5	0	0	0
Treated Water Microbiological Summary		Turbidity Summary		
Location	Low Reading	Average Reading	High Reading	Comments
Mission Creek Raw Water	0.73 NTU	3.53 NTU	20.93 NTU	
Distribution Intake	0.28 NTU	0.51 NTU	0.72 NTU	
UV Plant	0.51 NTU	0.73 NTU	1.00 NTU	
Booster # 1 (first customer)	0.16 NTU	0.45 NTU	0.73 NTU	
UV Treatment Plant				
Plant Flow Volume	In-Spec	Off-Spec	% Off-Spec	Comments
252,577 m <sup>3</sup>	252,522 m <sup>3</sup>	35 m <sup>3</sup>	0.014%	See section 5.0 for details of missing data

### WATER QUALITY DISTRIBUTION TESTING

		CARO (third party) Testing	<b>38</b>
BMID Population:	30,000	In House Pres./Absence	<b>9</b>
Required Minimum # of Tests:	30	Total Tests:	<b>47</b>
		Total Positive Tests:	<b>1*</b>

\*See section 6 for details

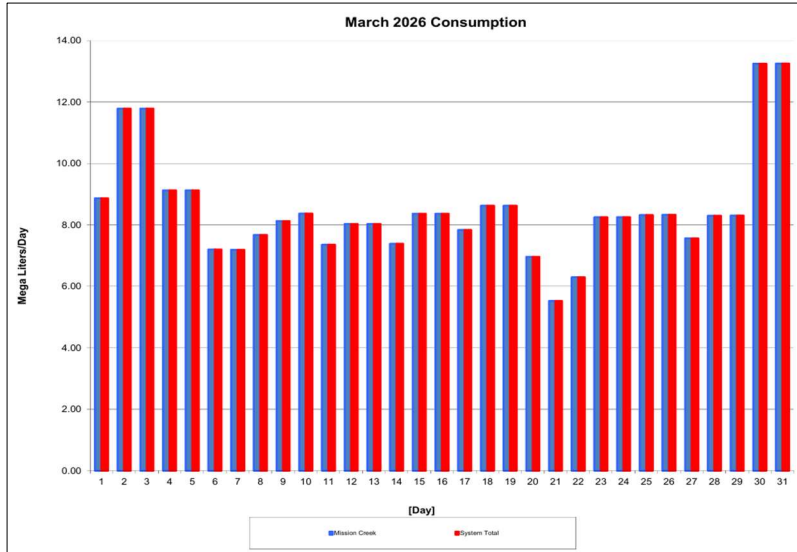
Documentation and figures are provided on the following pages to support this submission.



### 1.0 FLOWS - MARCH, 2026

Mission Creek provided 100% of the 264 Mega Liters used in the BMID system in March.

**Figure 1.1 - Domestic Water System Flow**



**Table 1.2 - March 2026 - Daily Consumption Report**

Year	Mission Cr ML/Day	Well #4 ML/Day	Well #5 ML/Day	System Total ML/Day
2026				
1-Mar	8.86	0.00	0.00	8.86
2-Mar	11.78	0.00	0.00	11.78
3-Mar	11.78	0.00	0.00	11.78
4-Mar	9.12	0.00	0.00	9.12
5-Mar	9.12	0.00	0.00	9.12
6-Mar	7.20	0.00	0.00	7.20
7-Mar	7.19	0.00	0.00	7.19
8-Mar	7.67	0.00	0.00	7.67
9-Mar	8.12	0.00	0.00	8.12
10-Mar	8.37	0.00	0.00	8.37
11-Mar	7.35	0.00	0.00	7.35
12-Mar	8.03	0.00	0.00	8.03
13-Mar	8.03	0.00	0.00	8.03
14-Mar	7.38	0.00	0.00	7.38
15-Mar	8.36	0.00	0.00	8.36
16-Mar	8.36	0.00	0.00	8.36
17-Mar	7.83	0.00	0.00	7.83
18-Mar	8.62	0.00	0.00	8.62
19-Mar	8.62	0.00	0.00	8.62
20-Mar	6.96	0.00	0.00	6.96
21-Mar	5.52	0.00	0.00	5.52
22-Mar	6.30	0.00	0.00	6.30
23-Mar	8.25	0.00	0.00	8.25
24-Mar	8.25	0.00	0.00	8.25
25-Mar	8.32	0.00	0.00	8.32
26-Mar	8.32	0.00	0.00	8.32
27-Mar	7.56	0.00	0.00	7.56
28-Mar	8.30	0.00	0.00	8.30
29-Mar	8.30	0.00	0.00	8.30
30-Mar	13.24	0.00	0.00	13.24
31-Mar	13.25	0.00	0.00	13.25
<b>Totals ML</b>	<b>264.38</b>	<b>0.00</b>	<b>0.00</b>	<b>264.38</b>
Avg's	8.37	0.00	0.00	8.37
Max	13.24	0.00	0.00	13.24
Min	5.52	0.00	0.00	5.52

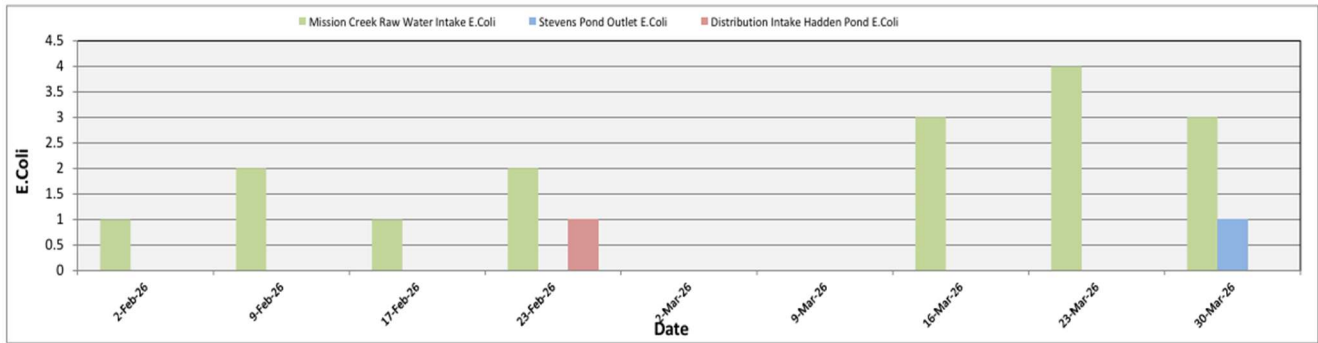


## 2.0 RAW WATER QUALITY - BACTERIOLOGICAL MONITORING

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) February 2026 - March 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-Feb-26	1	0	0
9-Feb-26	2	0	0
17-Feb-26	1	0	0
23-Feb-26	2	0	1
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

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

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

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

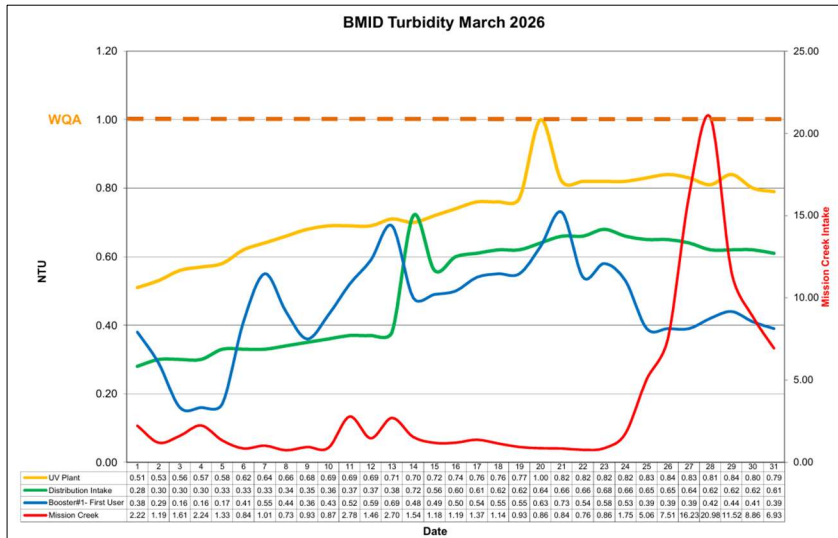
*(Hadden Outlet = Distribution Intake - Point of Disinfection)*



### 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 0.73 NTU on March 21, 2026.

**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**

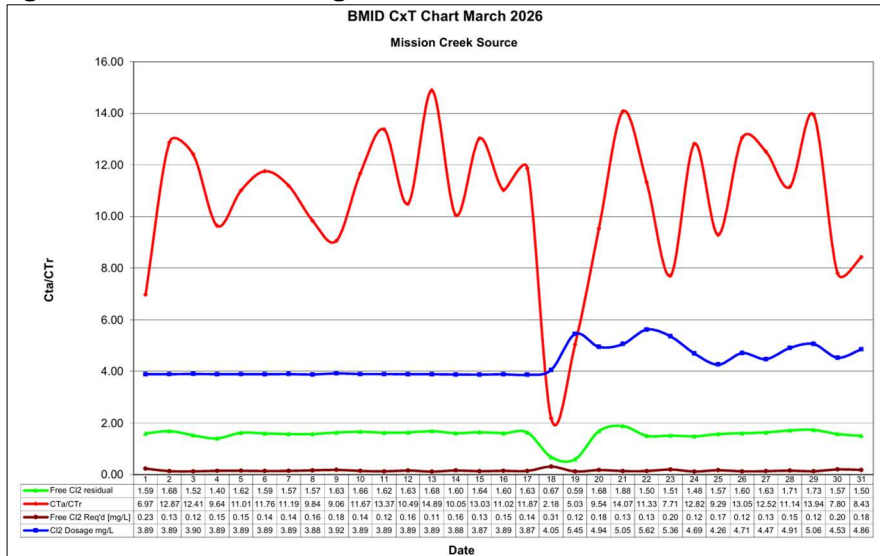
Turbidity Point Sampling for March 2026				
Date	Mission Creek Intake	Distribution Intake	UV Plant	Booster#1- First User
	Daily Average [NTU]	Daily Average NTU	Daily Average [NTU]	Daily Average NTU
1	2.22	0.28	0.51	0.38
2	1.19	0.30	0.53	0.29
3	1.61	0.30	0.56	0.16
4	2.24	0.30	0.57	0.16
5	1.33	0.33	0.58	0.17
6	0.84	0.33	0.62	0.41
7	1.01	0.33	0.64	0.55
8	0.73	0.34	0.66	0.44
9	0.93	0.35	0.68	0.36
10	0.87	0.36	0.69	0.43
11	2.78	0.37	0.69	0.52
12	1.46	0.37	0.69	0.59
13	2.70	0.38	0.71	0.69
14	1.54	0.72	0.70	0.48
15	1.18	0.56	0.72	0.49
16	1.19	0.60	0.74	0.50
17	1.37	0.61	0.76	0.54
18	1.14	0.62	0.76	0.55
19	0.93	0.62	0.77	0.55
20	0.86	0.64	1.00	0.63
21	0.84	0.66	0.82	0.73
22	0.76	0.66	0.82	0.54
23	0.86	0.68	0.82	0.58
24	1.75	0.66	0.82	0.53
25	5.06	0.65	0.83	0.39
26	7.51	0.65	0.84	0.39
27	16.23	0.64	0.83	0.39
28	20.98	0.62	0.81	0.42
29	11.52	0.62	0.84	0.44
30	8.86	0.62	0.80	0.41
31	6.93	0.61	0.79	0.39
AVG	3.53	0.51	0.73	0.45



### 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 March, 2026.

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



CTa – CT achieved  
CTr – CT Required

The minimum CT that BMID achieved was 2.18 X that of what was required

Table 4.2 - CT Table – Mission Creek Source

BMID March 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	Cl2 Dosage	TIME	FLOW	Dosage
March		[°C]	L/s	[mg/L]				[mg/L]	mg/L	[mins]	Daily Average L/s	Average KG/Day
1	7.26	4.5	196	1.59	1358	194.9	6.97	0.23	3.89	854	95	32.0
2	7.26	5.1	116	1.68	2426	188.5	12.87	0.13	3.89	1444	80	27.0
3	7.22	5.1	112	1.52	2270	182.9	12.41	0.12	3.89	1493	76	25.6
4	7.20	5.3	137	1.40	1705	176.9	9.64	0.15	3.89	1218	77	25.9
5	7.20	5.3	136	1.62	1991	180.8	11.01	0.15	3.89	1229	76	25.7
6	7.21	5.1	123	1.59	2158	183.5	11.76	0.14	3.89	1357	77	25.9
7	7.21	5.7	133	1.57	1966	175.7	11.19	0.14	3.89	1252	76	25.7
8	7.22	5.6	150	1.57	1747	177.6	9.84	0.16	3.88	1113	86	28.7
9	7.22	5.7	170	1.63	1607	177.3	9.06	0.18	3.92	986	90	30.4
10	7.22	5.3	130	1.66	2134	182.8	11.67	0.14	3.89	1285	78	26.3
11	7.22	5.8	115	1.62	2353	176.0	13.37	0.12	3.89	1452	79	26.5
12	7.21	5.6	146	1.63	1867	177.9	10.49	0.16	3.89	1145	86	28.9
13	7.21	5.6	106	1.68	2661	178.7	14.89	0.11	3.89	1584	79	26.4
14	7.21	5.7	151	1.60	1771	176.2	10.05	0.16	3.88	1107	80	26.8
15	7.20	5.4	117	1.64	2344	179.9	13.03	0.13	3.87	1429	90	30.2
16	7.20	5.6	137	1.60	1948	176.8	11.02	0.15	3.89	1218	84	28.3
17	7.20	5.5	129	1.63	2119	178.5	11.87	0.14	3.87	1300	79	26.4
18	7.20	5.3	325	0.67	345	158.4	2.18	0.31	4.05	514	91	32.0
19	7.18	6.1	134	0.59	735	145.9	5.03	0.12	5.45	1245	58	27.2
20	7.18	6.0	171	1.68	1639	171.9	9.54	0.18	4.94	976	74	31.6
21	7.18	6.2	130	1.88	2426	172.4	14.07	0.13	5.05	1290	64	27.9
22	7.17	6.3	134	1.50	1868	164.9	11.33	0.13	5.62	1245	64	31.2
23	7.18	6.5	200	1.51	1259	163.4	7.71	0.20	5.36	834	70	32.5
24	7.19	6.8	121	1.48	2053	160.2	12.82	0.12	4.69	1387	67	27.2
25	7.19	6.9	176	1.57	1490	160.5	9.29	0.17	4.26	949	85	31.4
26	7.18	7.1	130	1.60	2063	158.1	13.05	0.12	4.71	1290	70	28.4
27	7.15	7.2	140	1.63	1949	155.7	12.52	0.13	4.47	1196	74	28.5
28	7.16	7.4	165	1.71	1730	155.2	11.14	0.15	4.91	1012	72	31.3
29	7.16	7.4	133	1.73	2168	155.5	13.94	0.12	5.06	1253	65	28.4
30	7.15	7.3	219	1.57	1200	153.7	7.80	0.20	4.53	764	93	36.3
31	7.16	7.5	197	1.50	1274	151.2	8.43	0.18	4.86	849	71	29.8
Averages	7.20	6.00	150.925	1.54	1827	170.7	10.64	0.15	4.32	1170.0	77.67	28.72

\*This calculation is based on a total volume of 10,030 m<sup>3</sup> of water to calculate contact time



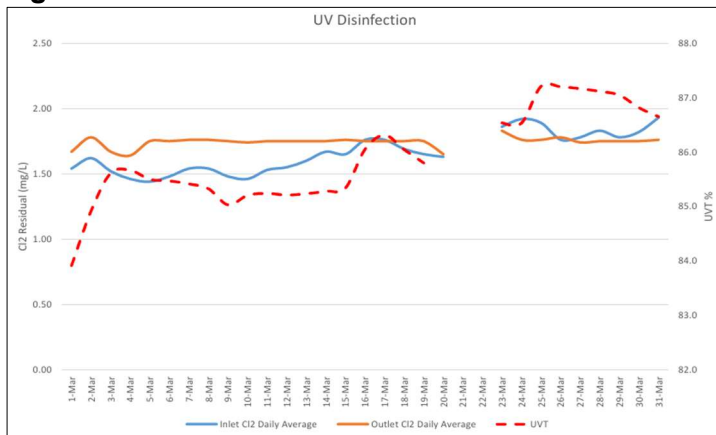
### 5.0 ULTRAVIOLET DISINFECTION

Total Water Treated:	252,557 m <sup>3</sup>	100.000%
On-Spec Water:	252,522 m <sup>3</sup>	99.986%
Off-Spec Water:	35 m <sup>3</sup>	0.041%

The UV plant's SCADA historian system experienced a malfunction between March 20<sup>th</sup> and March 23<sup>rd</sup>. The UV plant continued to operate normally, however some of the data was not digitally recorded. As a result, there are gaps in the data used to prepare the following table and chart.

Average monthly chlorine residual before UV Treatment was 1.66 mg/L  
The average monthly chlorine residual after UV treatment and re-chlorination was 1.74 mg/L.

**Figure 5.1 - UV Disinfection – BMID Mission Creek Source – March 2026**



**Table 5.2 - UV Disinfection Table – Mission Creek Source**

Date	Inlet Cl2 Daily mg/L	Outlet Cl2 Daily mg/L	UVT % T	Turbidity NTU	In Spec Water Volume Cubic Meters	Off Spec Water Volume Cubic Meters	Off Spec % of Water Percentage
1-Mar	1.54	1.67	83.9	0.54	8863.3	0	0.00%
2-Mar	1.62	1.78	84.9	0.53	11764.7	17.3	0.15%
3-Mar	1.52	1.67	85.6	0.54	11764.9	17.3	0.15%
4-Mar	1.46	1.64	85.7	0.55	9121.5	0	0.00%
5-Mar	1.44	1.75	85.5	0.55	9121.7	0	0.00%
6-Mar	1.48	1.75	85.5	0.57	7198.6	0	0.00%
7-Mar	1.54	1.76	85.4	0.58	7187.0	0	0.00%
8-Mar	1.54	1.76	85.3	0.59	7672.4	0	0.00%
9-Mar	1.48	1.75	85.0	0.61	8124.1	0	0.00%
10-Mar	1.46	1.74	85.2	0.61	8366.5	0	0.00%
11-Mar	1.53	1.75	85.2	0.63	7351.6	0	0.00%
12-Mar	1.55	1.75	85.2	0.64	8028.3	0	0.00%
13-Mar	1.60	1.75	85.2	0.64	8028.4	0	0.00%
14-Mar	1.67	1.75	85.3	0.64	7383.6	0	0.00%
15-Mar	1.65	1.76	85.3	0.64	8364.0	0	0.00%
16-Mar	1.76	1.75	86.1	0.65	8364.2	0	0.00%
17-Mar	1.76	1.75	86.3	0.68	7829.8	0	0.00%
18-Mar	1.69	1.75	86.0	0.79	8619.9	0	0.00%
19-Mar	1.65	1.75	85.8	0.86	8620.1	0	0.00%
20-Mar	1.63	1.65			6959.5	0	0.00%
21-Mar						0	
22-Mar						0	
23-Mar	1.86	1.83	86.5	0.70	8248.4	0	0.00%
24-Mar	1.92	1.76	86.5	0.69	8252.3	0	0.00%
25-Mar	1.89	1.76	87.2	0.70	8319.8	0	0.00%
26-Mar	1.76	1.78	87.2	0.70	8323.8	0	0.00%
27-Mar	1.78	1.74	87.2	0.72	7557.0	0	0.00%
28-Mar	1.83	1.75	87.1	0.74	8295.0	0	0.00%
29-Mar	1.78	1.75	87.0	0.75	8298.3	0	0.00%
30-Mar	1.82	1.75	86.8	0.80	13244.3	0	0.00%
31-Mar	1.93	1.76	86.7	0.83	13248.7	0	0.00%
<b>Average</b>	<b>1.66</b>	<b>1.74</b>	<b>85.9</b>	<b>0.66</b>	<b>Total 252,521.70</b>	<b>34.6</b>	<b>0.014%</b>



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

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

Date	2-Feb-26		9-Feb-26		17-Feb-26		23-Feb-26		25-Feb-26		2-Mar-26		March 9, 2026		16-Mar-26		23-Mar-26		30-Mar-26	
	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	Coliforms	E. Coli
2921 Belgo Rd	0	0	0	0	0	0	0	0	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	0	0
Ellison Blow-Off	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ellison School	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0
Prospect Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tower Ranch Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Well #4																				
Well #5																				
Well# 6																				
Surface water at Well #4	0	0	0	0	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	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	0	0
Esquire Reservoir	0	0	0	0	0	0	0	0	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.
- 8 of 9 samples were found to be absent of bacteria.
  - March 30 sample at Kneller Rd had an incubated sample with bacteria present. The site was resampled and retested and came back with no bacteria present. It is assumed that the positive sample was a result of operator error.

**Table 6.2 - BMID In-house Testing – Presence Absence**

Location	3/3/2026				3/9/2026				3/16/2026				3/23/2026				3/30/2026			
	Cl2	Temp.	Pres.	Abs.	Cl2	Temp.	Pres.	Abs.	Cl2	Temp.	Pres.	Abs.	Cl2	Temp.	Pres.	Abs.	Cl2	Temp.	Pres.	Abs.
Sylvania Cres					0.87	8.9	-	X									1.14	11.2	-	X
170 Kneller Rd					1.05	8.9	-	X									1.18	11.5	X	-
2105 Morrison									0.81	9.8	-	X								
Staymen Rd									0.25	9.7	-	X								
260 Campion Rd	0.44	8.6	-	X									0.66	8.5	-	X				
Fenwick Rd	0.73	8.7	-	X									0.69	8.1	-	X				
Solly Ct					1.11	7.4	-	X									1.24	14.7	-	X



## 7.0 CUSTOMER CALLS - INFRASTRUCTURE REPAIRS – CONSTRUCTION ACTIVITY

### 7.1 Customer Complaints

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

### 7.2 Infrastructure Repairs & Renewal

Date	Incident
March 6, 2026	Low point drain installation – 1630 Garner
March 11, 2026	Watermain renewal – Band Rd
March 17, 2026	Watermain renewal – BMID Booster 1 pumphouse - Complete March 24
March 25, 2026	PRV #10 – Maintenance on 6” valve
March 31, 2026	Service repair – 1352 Maple Rd
March 31, 2026	Service Repair – 3231 Old Vernon Rd

### 7.3 New Water Infrastructure Construction

Date	Incident
March 2, 2026	250mm watermain installation at 1200 Belgo Road (BMID works yard) tie-in complete
March 9, 2026	Upper Tower Ranch Pump Station – Upper pump commissioning
March 12, 2026	8” watermain install – Band Rd