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MONTHLY REPORTING PERIOD - JUNE, 2024

SUMMARY

This document provides a summary of the water quality information collected by BMID in June 2024. Documentation and figures are provided on the following pages to support this submission.

WATER SUPPLY & USAGE SUMMARY

1. Water usage data for June, 2024 is as follows:

| Source | Total (US Gallons) | Total (Mega Litres) |
|--------------------------------|--------------------|---------------------|
| Mission Creek | 384,503,323 | 1,455.35 |
| Well 4 | 3,821,219 | 14.46 |
| Well 5 | 13,890,896 | 52.58 |
| Well 6 (Irrigation Only) | 8,956,992 | 33.90 |
| Scotty Creek (Irrigation Only) | 0 | 0.0 |
| Total | 411,172,431 | 1,556.29 |

- The control gates for all of BMID's high-elevation reservoirs have not been opened throughout June as precipitation was adequate to maintain Mission Creek flows. The reservoirs will be opened after spring freshet 2024, to supplement flows in Mission Creek during the summer/fall;
- 3. BMID began the installation of remote-control gates for Belgo Reservoir. This project is to assist in maintaining constant downstream flows in Mission Creek and optimize storage held in reservoirs;
- 4. The Scotty Creek source was made ready for the upcoming irrigation season in the north-end of the system on May 14th, however, the system remained in stand-by mode for all of June and will resume usage when irrigation demands increase in the upcoming weeks;
- 5. Well #5, used as the primary water source in the north-end of the system for both irrigation and domestic consumption, resumed operations on April 22, 2024, as system flows increased for the spring. Well #5 operated periodically for most of June as dictated by system demand in the north-end;
- 6. Well #4, used as a primary source for domestic water in the north-end of the distribution system during low-flow periods, was in operation periodically from June 1st until June 21st when flow demands increased. Well #4 will remain in stand-by until flows reduce later in the fall;
- 7. Well #6, which supplies water to the north-end irrigation distribution system, resumed operation on May 6th. Well #6 is used during times of high irrigation demand, and ran intermittently throughout June 2024;
- 8. A portion of the BMID's transmission main west of the Mission Creek Intake and east of the tunnel is located on an unstable slope. Slope movement continues to be monitored. It is currently stable and is not moving;

WATER QUALITY SUMMARY

- 1. BMID is investigating the use of Well #6 as a possible future potable water source. Initial potability testing took place on June 24th (results are available at the end of this report) to determine the suitability of the well for drinking water. Testing will continue for the next year to determine the quality of the source;
- 2. The WTP was in operation throughout June as Mission Creek experienced increased turbidity and colour in the raw water from spring freshet. The WTP will remain in operation until turbidity and colour levels in Mission Creek reduce in the late fall/early winter:
- 3. Raw water turbidity levels in Mission Creek peaked at 17.46 NTU on June 3rd. Average daily raw water turbidity for June was 2.72 NTU at the Mission Creek Intake;
- 4. The highest turbidity level at the Distribution Intake was 0.78 NTU on June 2nd, 2024. Average settled water turbidity for June was 0.38 NTU at the Distribution Intake at the lower end of Hadden Reservoir. The lowest daily recording was 0.24 NTU on June 23rd and June 25th;
- 5. The highest turbidity level at the first customer (Booster #1) was 0.39 NTU on June 13th. Average monthly turbidity at the first customer was 0.25 NTU, while the lowest daily average turbidity was 0.17 NTU on June 22nd and June 25th;
- 6. Average daily turbidity at the UV station peaked at 0.77 NTU on June 13th. The turbidity meter reads consistently higher at this location, however, the turbidity results upstream and downstream of the UV plant show consistently lower turbidity results. Average monthly turbidity at the UV disinfection station was 0.69 NTU;
- 7. BMID's Ultraviolet Treatment Facility treated 1,455,051 m³ of water, 50 m³ of which was Off-Spec (0.003%);
- 8. Regarding microbiological readings, BMID ceased withdrawing water from the upper elevation reservoirs in the fall of 2023. However, snowmelt and rainfall in the upper watershed has led to increased microbiological readings during the freshet period in spring 2024. As upper elevation water temperature increases for the summer, there is an expected increase in microbiological readings;
- 9. *E.Coli* levels at Mission Creek's Point-of-Diversion (creek intake prior to WTP) had normal counts for June. The June 17th sample had the peak count of 22 coliforms. The average monthly *E.Coli* was 10, based on 4 samples;
- 10. E.Coli levels in the raw water at the water distribution system intake at the east end of Hadden Reservoir, immediately prior to disinfection, had a peak count of 2 coliforms on June 24th. Reduction in E.Coli levels is due to the effectiveness of the Water Treatment Plant as well as the settling of particles as water passes through Stevens and Hadden Reservoirs:
- 11. No *E.Coli* or *Total* Coliforms were found in treated water in the distribution system through third-party analysis. In addition, zero positive samples were detected by BMID's in-house presence/absence testing throughout June;

1.0 FLOWS - JUNE, 2024

The Maximum Daily Flow was on June 25th, at 21,702,009 US gallons (82.14 ML) The Minimum Daily Flow was on June 3rd, at 5,543,965 US gallons (20.98 ML) Mission Creek provided just under 96% of domestic and irrigation flow supplied in June.

Figure 1.1 - Domestic Water System Flow

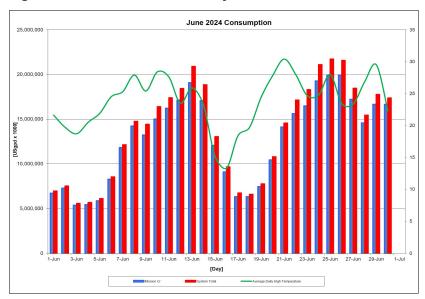


Table 1.2 - June 2024 - Daily Consumption Report

| | Ι | | | | 1 | I | l |
|--------------|-------------|-----------|------------|-----------|------------|--------------|------------|
| | | | | | | | |
| Year | Mission Cr | Well #4 | Well #5 | Well #6 | Scotty Crk | System Total | System Tot |
| 2024 | Usgpd | Usgpd | Usgpd | Usgpd | Usgpd | Usgpd | ML/Day |
| 1-Jun | 6,688,809 | 255,452 | 0 | 0 | - | 6,944,261 | 26.28 |
| 2-Jun | 7,256,567 | 236,960 | 0 | 0 | =: | 7,493,528 | 28.36 |
| 3-Jun | 5,356,404 | 187,561 | 0 | 0 | - | 5,543,965 | 20.98 |
| 4-Jun | 5,430,320 | 217,676 | 0 | 0 | =: | 5,647,996 | 21.38 |
| 5-Jun | 5,850,459 | 238,281 | 0 | 0 | - | 6,088,740 | 23.05 |
| 6-Jun | 8,247,054 | 280,549 | 0 | 0 | =: | 8,527,602 | 32.28 |
| 7-Jun | 11,815,040 | 305,381 | 3,875 | 0 | - | 12,124,296 | 45.89 |
| 8-Jun | 14,211,212 | 384,632 | 137,345 | 0 | =: | 14,733,188 | 55.77 |
| 9-Jun | 13,215,257 | 405,765 | 780,599 | 0 | - | 14,401,621 | 54.51 |
| 10-Jun | 14,988,300 | 133,142 | 849,748 | 409,200 | -: | 16,380,390 | 62.00 |
| 11-Jun | 16,209,039 | 0 | 825,077 | 346,368 | = | 17,380,484 | 65.79 |
| 12-Jun | 17,121,040 | 0 | 788,085 | 507,936 | -: | 18,417,061 | 69.71 |
| 13-Jun | 19,073,984 | 0 | 864,692 | 947,496 | _ | 20,886,172 | 79.05 |
| 14-Jun | 17,057,718 | 0 | 826,258 | 955,944 | | 18,839,920 | 71.31 |
| 15-Jun | 12,052,213 | 0 | 615,965 | 353,760 | - | 13,021,939 | 49.29 |
| 16-Jun | 9,078,297 | 0 | 560,212 | 0 | - | 9,638,509 | 36.48 |
| 17-Jun | 6,315,507 | 96,158 | 302,631 | 0 | - | 6,714,296 | 25.41 |
| 18-Jun | 6,312,443 | 262,585 | Ó | 0 | - | 6,575,028 | 24.89 |
| 19-Jun | 7,431,026 | 265,227 | 39,483 | 0 | - | 7,735,736 | 29.28 |
| 20-Jun | 10,429,167 | 342,628 | 0 | 0 | - | 10,771,796 | 40.77 |
| 21-Jun | 14,108,264 | 209,223 | 190.900 | 38,016 | = | 14,546,403 | 55.06 |
| 22-Jun | 15,615,524 | Ó | 823,867 | 692,472 | | 17,131,863 | 64.84 |
| 23-Jun | 16,472,498 | 0 | 847,349 | 964,128 | = | 18,283,975 | 69.20 |
| 24-Jun | 19,274,993 | 0 | 851,895 | 970,200 | -1 | 21,097,088 | 79.85 |
| 25-Jun | 19,903,458 | 0 | 845,510 | 953,040 | - | 21,702,009 | 82.14 |
| 26-Jun | 19,904,092 | 0 | 833.829 | 813.648 | | 21,551,569 | 81.57 |
| 27-Jun | 17,216,750 | 0 | 760,963 | 469,656 | - | 18,447,368 | 69.82 |
| 28-Jun | 14,567,395 | 0 | 718,756 | 156,552 | | 15,442,703 | 58.45 |
| 29-Jun | 16,649,995 | 0 | 778,422 | 317,064 | - | 17,745,481 | 67.17 |
| 30-Jun | 16,650,497 | 0 | 645.436 | 61.512 | - | 17,357,445 | 65.70 |
| Totals Usgpd | 384,503,323 | 3,821,219 | 13,890,896 | 8.956.992 | 0 | 411,172,431 | 1,556.2 |
| Totals ML | 1,455.35 | 14.46 | 52.58 | 33.90 | 0.00 | | |
| Avg's | 12,816,777 | 48.51 | A-100 | | | 13,705,748 | 51.88 |
| Max | 19,904,092 | 75.34 | | | | 21,702,009 | 82.14 |
| Min | 5,356,404 | 20.27 | | | 1 | 5,543,965 | 20.98 |

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 Distribution Intake's Point of Disinfection and at the Mission Creek raw water Point of Diversion and at Stevens Pond outlet (point halfway between WTP Outlet and Distribution Intake).

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

The control gates on BMID's high-elevation reservoirs were closed throughout June, resulting in a higher percentage of surface runoff and groundwater contributing to Mission Creek's flow.

Figure 2.1 - Raw Water E.Coli Readings (CARO Lab results) May 2024 - June 2024

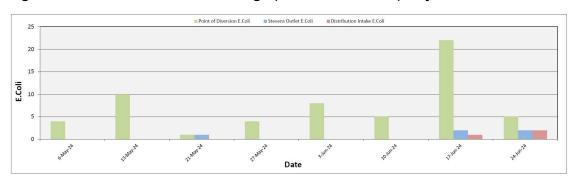


Table 2.1 - E.Coli Readings (CARO Labs)

| | Point of Diversion | Stevens Outlet | Distribution Intake |
|-----------|--------------------|----------------|---------------------|
| Date | E.Coli | E.Coli | E.Coli |
| 6-May-24 | 4 | 0 | 0 |
| 13-May-24 | 10 | 0 | 0 |
| 21-May-24 | 1 | 1 | 0 |
| 27-May-24 | 4 | 0 | 0 |
| 3-Jun-24 | 8 | 0 | 0 |
| 10-Jun-24 | 5 | 0 | 0 |
| 17-Jun-24 | 22 | 2 | 1 |
| 24-Jun-24 | 5 | 2 | 2 |

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

Stevens Outlet (Raw) - Sampling point after exiting 142,000 m³ 1st upper balancing reservoir (Stevens Res.)

Hadden Outlet (Raw) - Sampling point after exiting 75,000 m³ 2nd lower balancing reservoir (Hadden Res.) (Hadden Outlet = Distribution Intake - Point of Disinfection)

3.0 RAW AND TREATED WATER TURBIDITY

Through June 2024, turbidity for the Mission Creek source was measured at Booster Station No. 1 on Gallagher's Road, which is the approximate location of the first-customer. The highest turbidity level recorded at this location was 0.39 NTU on June 13th, 2024. The lowest turbidity level was 0.15 NTU and the average turbidity was 0.25 NTU.

The distribution intake is where the water leaves Hadden Reservoir and enters a closed conduit. Turbidity levels are greatly reduced through the settling process as Mission Creek water makes its way through the reservoirs.

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

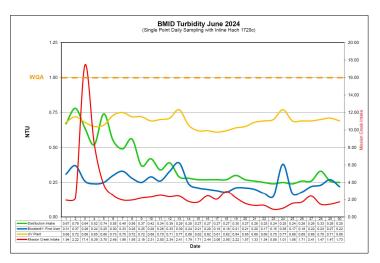


Table 3.1 - Daily Monitoring Record - Turbidity at On-Line Turbidity Analysers

| | Turbidi | ty Point Sampling | for June 2024 | |
|------|----------------------|---------------------|-----------------------|---------------------|
| | Mission Creek Intake | Distribution Intake | Booster#1- First User | UV Plant |
| Date | Daily Average [NTU] | Daily Average [NTU] | Daily Average [NTU] | Daily Average [NTU] |
| 1 | 1.94 | 0.67 | 0.31 | 0.68 |
| 2 | 2.22 | 0.78 | 0.37 | 0.72 |
| 3 | 17.40 | 0.64 | 0.26 | 0.68 |
| 4 | 8.39 | 0.52 | 0.24 | 0.65 |
| 5 | 3.75 | 0.74 | 0.25 | 0.66 |
| 6 | 2.48 | 0.55 | 0.30 | 0.73 |
| 7 | 1.96 | 0.49 | 0.33 | 0.75 |
| 8 | 1.95 | 0.56 | 0.28 | 0.72 |
| 9 | 2.19 | 0.37 | 0.25 | 0.72 |
| 10 | 2.31 | 0.42 | 0.29 | 0.69 |
| 11 | 2.50 | 0.34 | 0.26 | 0.70 |
| 12 | 2.34 | 0.39 | 0.33 | 0.71 |
| 13 | 2.41 | 0.29 | 0.39 | 0.77 |
| 14 | 1.79 | 0.28 | 0.24 | 0.66 |
| 15 | 1.71 | 0.27 | 0.21 | 0.62 |
| 16 | 2.44 | 0.27 | 0.20 | 0.62 |
| 17 | 2.06 | 0.27 | 0.19 | 0.61 |
| 18 | 2.95 | 0.27 | 0.18 | 0.62 |
| 19 | 2.22 | 0.30 | 0.21 | 0.64 |
| 20 | 1.57 | 0.27 | 0.21 | 0.65 |
| 21 | 1.33 | 0.26 | 0.20 | 0.68 |
| 22 | 1.34 | 0.25 | 0.17 | 0.69 |
| 23 | 0.88 | 0.24 | 0.15 | 0.70 |
| 24 | 1.01 | 0.25 | 0.38 | 0.77 |
| 25 | 1.56 | 0.24 | 0.17 | 0.69 |
| 26 | 1.71 | 0.26 | 0.18 | 0.69 |
| 27 | 2.41 | 0.26 | 0.22 | 0.69 |
| 28 | 1.47 | 0.33 | 0.23 | 0.70 |
| 29 | 1.47 | 0.26 | 0.27 | 0.71 |
| 30 | 1.73 | 0.25 | 0.22 | 0.69 |
| AVG | 2.72 | 0.38 | 0.25 | 0.69 |

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 June, 2024.

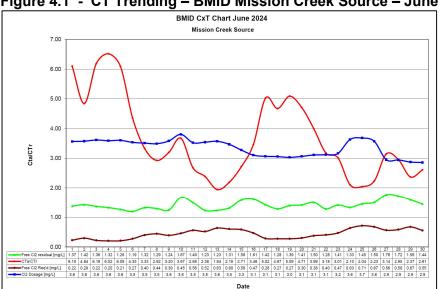


Figure 4.1 - CT Trending - BMID Mission Creek Source - June 2024

Table 4.2 - CT Table - Mission Creek Source

| | | | | | | В | MID June | 2024 | | | | | |
|----------|-----------|-----------|---------|----------------------|----------|-------|----------|----------------------|-----------------|---------|--------|---------------|------------------------|
| | | | | | | Miss | ion Cree | k Source | e | | | | |
| DATE | рН | TEMP | PEAK | Free Cl ₂ | СТ | СТ | CTa/CTr | Free Cl ₂ | Cl ₂ | VOLUME | TIME | FLOW | CL ₂ DOSAGE |
| DATE | (Average) | (Present) | FLOW | residual | achieved | req'd | | Req'd | Dosage | TOTAL | | Daily Average | Average |
| June | | [°C] | [Usgpm] | [mg/L] | | | | [mg/L] | [mg/L] | [USgal] | [mins] | [USGPM] | [PPD] |
| 1 | 6.86 | 13.8 | 6,933 | 1.37 | 523.6 | 85.9 | 6.10 | 0.22 | 3.6 | 2649600 | 382 | 4,753 | 204 |
| 2 | 7.00 | 14.3 | 8,830 | 1.42 | 426.1 | 88.0 | 4.84 | 0.29 | 3.6 | 2649600 | 300 | 5,129 | 220 |
| 3 | 6.97 | 13.4 | 6,328 | 1.36 | 569.4 | 92.0 | 6.19 | 0.22 | 3.6 | 2649600 | 419 | 3,794 | 165 |
| 4 | 6.97 | 13.2 | 5,777 | 1.32 | 605.4 | 92.9 | 6.52 | 0.20 | 3.6 | 2649600 | 459 | 3,865 | 167 |
| 5 | 7.00 | 13.1 | 5,835 | 1.26 | 572.2 | 94.0 | 6.09 | 0.21 | 3.6 | 2649600 | 454 | 4,133 | 179 |
| 6 | 7.04 | 13.6 | 7,923 | 1.19 | 398.0 | 91.4 | 4.35 | 0.27 | 3.5 | 2649600 | 334 | 5,851 | 248 |
| 7 | 7.07 | 13.6 | 11,193 | 1.32 | 312.5 | 93.9 | 3.33 | 0.40 | 3.5 | 2649600 | 237 | 8,357 | 352 |
| 8 | 7.09 | 14.1 | 12,833 | 1.29 | 266.3 | 91.1 | 2.92 | 0.44 | 3.5 | 2649600 | 206 | 10,090 | 423 |
| 9 | 7.17 | 14.7 | 11,489 | 1.24 | 286.0 | 89.5 | 3.20 | 0.39 | 3.6 | 2649600 | 231 | 9,373 | 403 |
| 10 | 7.22 | 15.2 | 13,084 | 1.67 | 338.2 | 92.1 | 3.67 | 0.45 | 3.8 | 2649600 | 203 | 10,628 | 485 |
| 11 | 7.42 | 15.0 | 14,930 | 1.49 | 264.4 | 98.8 | 2.68 | 0.56 | 3.5 | 2649600 | 177 | 11,493 | 487 |
| 12 | 7.55 | 15.1 | 13,698 | 1.23 | 237.9 | 99.9 | 2.38 | 0.52 | 3.5 | 2649600 | 193 | 12,137 | 516 |
| 13 | 7.64 | 15.0 | 16,143 | 1.23 | 201.9 | 103.9 | 1.94 | 0.63 | 3.6 | 2649600 | 164 | 13,502 | 579 |
| 14 | 7.68 | 14.7 | 14,619 | 1.31 | 237.4 | 108.6 | 2.19 | 0.60 | 3.5 | 2649600 | 181 | 12,085 | 503 |
| 15 | 7.62 | 14.1 | 13,532 | 1.58 | 309.4 | 114.0 | 2.71 | 0.58 | 3.3 | 2649600 | 196 | 8,533 | 336 |
| 16 | 7.52 | 13.7 | 10,867 | 1.61 | 392.5 | 113.4 | 3.46 | 0.47 | 3.1 | 2649600 | 244 | 6,433 | 240 |
| 17 | 7.44 | 13.7 | 6,930 | 1.42 | 542.9 | 108.1 | 5.02 | 0.28 | 3.1 | 2649600 | 382 | 4,467 | 164 |
| 18 | 7.33 | 14.1 | 7,298 | 1.28 | 464.7 | 99.5 | 4.67 | 0.27 | 3.1 | 2649600 | 363 | 4,472 | 164 |
| 19 | 7.34 | 14.4 | 7,310 | 1.39 | 503.9 | 99.0 | 5.09 | 0.27 | 3.0 | 2649600 | 362 | 5,256 | 191 |
| 20 | 7.01 | 14.8 | 9,307 | 1.41 | 401.4 | 85.3 | 4.71 | 0.30 | 3.1 | 2649600 | 285 | 7,388 | 272 |
| 21 | 6.95 | 15.5 | 12,425 | 1.50 | 319.9 | 80.1 | 3.99 | 0.38 | 3.1 | 2649600 | 213 | 9,990 | 373 |
| 22 | 7.01 | 15.2 | 13,061 | 1.28 | 259.7 | 81.7 | 3.18 | 0.40 | 3.1 | 2649600 | 203 | 11,073 | 415 |
| 23 | 7.27 | 15.6 | 13,932 | 1.41 | 268.2 | 89.0 | 3.01 | 0.47 | 3.2 | 2649600 | 190 | 11,679 | 444 |
| 24 | 7.61 | 15.9 | 17,147 | 1.33 | 205.5 | 97.7 | 2.10 | 0.63 | 3.6 | 2649600 | 155 | 13,663 | 596 |
| 25 | 7.95 | 15.9 | 16,919 | 1.45 | 227.1 | 111.3 | 2.04 | 0.71 | 3.7 | 2649600 | 157 | 14,104 | 624 |
| 26 | 7.97 | 15.7 | 15,615 | 1.50 | 254.5 | 114.2 | 2.23 | 0.67 | 3.6 | 2649600 | 170 | 12,193 | 523 |
| 27 | 7.91 | 15.5 | 12,773 | 1.76 | 365.1 | 116.2 | 3.14 | 0.56 | 2.9 | 2649600 | 207 | 9,475 | 336 |
| 28 | 8.14 | 15.8 | 12,605 | 1.72 | 361.6 | 122.5 | 2.95 | 0.58 | 2.9 | 2649600 | 210 | 10,290 | 364 |
| 29 | 8.22 | 16.1 | 14,619 | 1.59 | 288.2 | 121.8 | 2.37 | 0.67 | 2.9 | 2649600 | 181 | 11,804 | 407 |
| 30 | 8.02 | 16.2 | 13,124 | 1.44 | 290.7 | 111.5 | 2.61 | 0.55 | 2.9 | 2649600 | 202 | 8,181 | 281 |
| Averages | 7.60 | 19.30 | 17,452 | 1.34 | 356.48 | 99.6 | 3.66 | 0.44 | 3.34675 | 2649600 | 255 | 15,205 | 611 |

5.0 ULTRAVIOLET DISINFECTION

 Total Water Treated:
 1,455,051.4 m³
 100.00%

 On-Spec Water:
 1,455,001.7 m³
 99.997%

 Off-Spec Water:
 49.7 m³
 0.003%

Average monthly chlorine residual before UV Treatment was 1.48 mg/L The average monthly chlorine residual after UV treatment and re-chlorination was 1.52 mg/L.

Figure 5.1 - UV Disinfection - BMID Mission Creek Source - June 2024

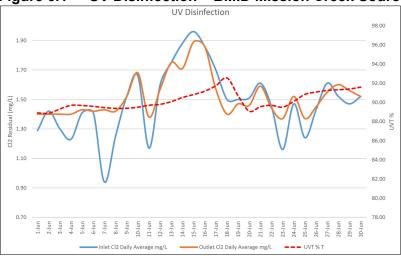


Table 5.2 - UV Disinfection Table - Mission Creek Source

| | Inlet Cl2 | Outlet Cl2 | | | | In Spec Water | Off Spec | Off Spec % of |
|---------|-----------|------------|-------|-----------|-------|---------------|--------------|---------------|
| | Daily | Daily | UVT | Turbidity | | Volume | Water | Water |
| Date | mg/L | mg/L | % T | NTU | | Cubic Meters | Cubic Meters | Percentage |
| 1-Jun | 1.29 | 1.40 | 88.90 | 0.68 | | 25,319.9 | 0 | 0.00% |
| 2-Jun | 1.42 | 1.40 | 88.87 | 0.72 | | 27,469.1 | 0 | 0.00% |
| 3-Jun | 1.30 | 1.40 | 89.31 | 0.68 | | 20,276.2 | 0 | 0.00% |
| 4-Jun | 1.23 | 1.40 | 89.69 | 0.65 | | 20,556.0 | 0 | 0.00% |
| 5-Jun | 1.41 | 1.43 | 89.68 | 0.66 | | 22,146.4 | 0 | 0.00% |
| 6-Jun | 1.41 | 1.42 | 89.59 | 0.73 | | 31,218.5 | 0 | 0.00% |
| 7-Jun | 0.94 | 1.43 | 89.46 | 0.75 | | 44,724.8 | 0 | 0.00% |
| 8-Jun | 1.25 | 1.42 | 89.38 | 0.72 | | 53,795.3 | 0 | 0.00% |
| 9-Jun | 1.52 | 1.52 | 89.39 | 0.72 | | 50,025.2 | 0 | 0.00% |
| 10-Jun | 1.66 | 1.68 | 89.50 | 0.69 | | 56,736.9 | 0 | 0.00% |
| 11-Jun | 1.17 | 1.38 | 89.70 | 0.70 | | 61,357.9 | 0 | 0.00% |
| 12-Jun | 1.60 | 1.57 | 89.80 | 0.71 | | 64,810.2 | 0 | 0.00% |
| 13-Jun | 1.75 | 1.75 | 90.08 | 0.77 | | 72,030.8 | 0 | 0.00% |
| 14-Jun | 1.88 | 1.71 | 90.51 | 0.66 | | 64,561.9 | 0 | 0.00% |
| 15-Jun | 1.96 | 1.89 | 90.82 | 0.62 | | 45,575.3 | 47.3 | 0.10% |
| 16-Jun | 1.86 | 1.86 | 91.17 | 0.62 | | 34,362.7 | 2.4 | 0.01% |
| 17-Jun | 1.70 | 1.57 | 91.74 | 0.61 | | 23,906.8 | 0 | 0.00% |
| 18-Jun | 1.50 | 1.40 | 92.55 | 0.62 | | 23,895.2 | 0 | 0.00% |
| 19-Jun | 1.50 | 1.47 | 90.69 | 0.64 | | 28,065.7 | 0 | 0.00% |
| 20-Jun | 1.51 | 1.46 | 89.08 | 0.65 | | 39,475.5 | 0 | 0.00% |
| 21-Jun | 1.61 | 1.59 | 89.55 | 0.68 | | 53,405.6 | 0 | 0.00% |
| 22-Jun | 1.45 | 1.44 | 89.69 | 0.69 | | 59,111.2 | 0 | 0.00% |
| 23-Jun | 1.16 | 1.37 | 89.51 | 0.70 | | 62,355.2 | 0 | 0.00% |
| 24-Jun | 1.47 | 1.52 | 90.11 | 0.77 | | 72,963.8 | 0 | 0.00% |
| 25-Jun | 1.24 | 1.37 | 90.84 | 0.69 | | 75,342.8 | 0 | 0.00% |
| 26-Jun | 1.43 | 1.45 | 91.08 | 0.69 | | 75,345.2 | 0 | 0.00% |
| 27-Jun | 1.61 | 1.55 | 91.26 | 0.69 | | 65,070.2 | 0 | 0.00% |
| 28-Jun | 1.52 | 1.60 | 91.32 | 0.70 | | 55,041.3 | 0 | 0.00% |
| 29-Jun | 1.47 | 1.56 | 91.40 | 0.71 | | 63,027.1 | 0 | 0.00% |
| 30-Jun | 1.52 | 1.52 | 91.59 | 0.69 | | 63,029.0 | 0 | 0.00% |
| Average | 1.48 | 1.52 | 90.10 | | Total | 1,455,001.70 | 49.7 | 0.003% |

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

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

| 7 | 2921 B | elgo Rd | Boos | ter 1 | Ellison E | Blow-Off | Ellison | School | 3976 Hig | ghway 97 | Prospect I | Reservoir | Tower R | eservoir | Wel | I#5 | Wel | #4 | Kirschr | ner Res | Pearsor | n School |
|-----------|-----------|---------|-----------|--------|-----------|----------|-----------|--------|-----------|----------|------------|-----------|-----------|----------|-----------|--------|-----------|--------|-----------|---------|-----------|----------|
| 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 | Coliforms | E.coli | Coliforms | E.coli |
| 6-May-24 | | | 0 | 0 | 0 | 0 | 0 | 0 | | | 1000 | | 0 | 0 | | | 0 | 0 | | | | |
| 13-May-24 | 0 | 0 | 0 | 0 | | | | | | | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 |
| 21-May-24 | | | 0 | 0 | 0 | 0 | 0 | 0 | | | *** | | 0 | 0 | | | 0 | 0 | | | | |
| 27-May-24 | 0 | 0 | 0 | 0 | | | | | | | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 |
| 3-Jun-24 | | | 0 | 0 | 0 | 0 | 0 | .0 | | | | | 0 | 0 | | | 0 | 0 | | | | |
| 10-Jun-24 | 0 | 0 | 0 | 0 | | | | | | | 0 | 0 | | | | | 0 | 0 | 0 | 0 | 0 | 0 |
| 17-Jun-24 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.5 | | 0 | 0 | | | 0 | 0 | 100 | | 1000 | |
| 24-Jun-24 | 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.
- All 9 samples were found to be absent of both Total Coliforms and E.Coli.

Table 6.2 - BMID In-house Testing - Presence Absence

| | | 6/3/2 | 2024 | | | 6/10/2024 | | | 6/17/2024 | | | | 6/24/2024 | | | |
|----------------|------|-------|-------|------|------|-----------|-------|------|-----------|-------|-------|------|-----------|-------|-------|------|
| Location | CI2 | Temp. | Pres. | Abs. | CI2 | Temp | Pres. | Abs. | CI2 | Temp. | Pres. | Abs. | CI2 | Temp. | Pres. | Abs. |
| Sylvania Cres | | | | | | | | | 0.99 | 17.4 | - | X | | | | |
| 170 Kneller Rd | | | | | | | | | 0.96 | 18.0 | - | X | | | | |
| 2105 Morrison | 1.15 | 16.4 | - | X | | | | | | | | | 1.38 | 16.4 | - | X |
| Staymen Rd | 0.84 | 14.6 | - | X | | | | | | | | | 1.09 | 18.4 | - | X |
| 260 Campion Rd | | | | | 0.62 | 17.6 | - | X | | | | | | | | |
| Fenwick Rd | | | | | 0.42 | 16.4 | _ | X | | | | | | | | |
| Solly Ct | | | | | | | | | 1.08 | 17.4 | - | X | | | | |

7.0 Well #6 Potential Potability Testing

- BMID has begun exploring the potential potability of Well #6 as a domestic water source (currently used for irrigation only) in the future.
- Well #6 was sampled on June 24th for the following items:
 - Microbiological parameters
 - o Anions, Calculated parameters, General parameters
 - o Pesticides, Herbicides and Fungicides
 - Total Metals
 - A copy of CARO's results will be included at the end of this report.
- BMID Population = 28,000

RECOMMENDED TESTS

 Recommended number of samples per month = 28

(as per Guide for Canadian Drinking Water Quality)

ACTUAL TESTS

- Total tests by BMID staff (presence/absence) = 9
- Total tests sampled by BMID and tested by Caro Labs 23
- Total tests sampled in BMID treated distribution system = 32
- 0 Positive E. Coli and Total Coliform Samples





CERTIFICATE OF ANALYSIS

REPORTED TO Black Mountain Irrigation District

285 Gray Avenue

KELOWNA, BC V1X 1W8

ATTENTION Robert Hrasko

PO NUMBER

PROJECT Screen Works/ Chemistry
PROJECT INFO

WORK ORDER 24F2961

RECEIVED / TEMP 2024-06-24 12:28 / 13.0°C

 REPORTED
 2024-07-05 15:38

 COC NUMBER
 No Number

Introduction:

CARO Analytical Services is a testing laboratory full of smart, engaged scientists driven to make the world a safer and healthier place. Through our clients' projects we become an essential element for a better world. We employ methods conducted in accordance with recognized professional standards using accepted testing methodologies and quality control efforts. CARO is accredited by the Canadian Association for Laboratories Accreditation (CALA) to ISO/IEC 17025:2017 for specific tests listed in the scope of accreditation approved by CALA.

Big Picture Sidekicks



We've Got Chemistry



Ahead of the Curve



You know that the sample you collected after snowshoeing to site, digging 5 meters, and racing to get it on a plane so you can submit it to the lab for time sensitive results needed to make important and expensive decisions (whew) is VERY important. We know that too.

Through research, regulation knowledge, and instrumentation, we are your analytical centre for the technical knowledge you need, BEFORE you need it, so you can stay up to date and in the know.

By engaging our services, you are agreeing to CARO Analytical Service's Standard Terms and Conditions outlined here: https://www.caro.ca/terms-conditions

If you have any questions or concerns, please contact me at bwhitehead@caro.ca

Authorized By:

Brent Whitehead Account Manager M unshed

1-888-311-8846 | www.caro.ca

#110 4011 Viking Way Richmond, BC V6V 2K9 | #102 3677 Highway 97N Kelowna, BC V1X 5C3 | 17225 109 Avenue Edmonton, AB T5S 1H7 | #108 4475 Wayburne Drive Burnaby, BC V5G 4X4

HT2 Page 2 of 7



TEST RESULTS

| REPORTED TO | Black Mountain Irrigation District | WORK ORDER | 24F2961 |
|-------------|------------------------------------|------------|------------------|
| PROJECT | Screen Works/ Chemistry | REPORTED | 2024-07-05 15:38 |

| Chlorine, Free 1.53 0.02 mg/L 2024-06-24 Temperature, field 15.4 °C 2024-06-24 Alkalinity, Total (as CaCO3) 23.9 1.0 mg/L 2024-06-27 Alkalinity, Bicarbonate (as CaCO3) 23.9 1.0 mg/L 2024-06-27 Alkalinity, Hydroxide (as CaCO3) <1.0 1.0 mg/L 2024-06-27 Alkalinity, Hydroxide (as CaCO3) <1.0 1.0 mg/L 2024-06-27 Alkalinity, Hydroxide (as CaCO3) <1.0 1.0 mg/L 2024-06-27 Colour, True <5.0 5.0 CU 2024-06-27 Conductivity (EC) 80.1 2.0 µS/cm 2024-06-27 PH 7.30 0.10 pH units 2024-06-27 Turbidity 0.25 0.10 NTU 2024-06-25 UV Transmittance @ 254nm 91.9 0.10 % T 2024-06-25 Well #6 (24F2961-02) Matrix: Water Sampled: 2024-06-24 09:04 Well #6 (24F2961-02) Matrix: Water Sampled: 2024-06-24 09:04 Anions Chloride 6.15 0.10 mg/L 2024-06-25 Fluoride 0.13 0.10 mg/L 2024-06-25 Nitrate (as N) 0.918 0.010 mg/L 2024-06-25 Nitrate (as N) 0.918 0.010 mg/L 2024-06-25 Nitrate (as N) 0.918 0.010 mg/L 2024-06-25 Sulfate 22.5 1.0 mg/L 2024-06-25 Sulfate 22.5 1.0 mg/L 2024-06-25 Calculated Parameters 20.2 0.50 mg/L N/A Langelier Index 0.1 | Analyte | Result | RL | Units | Analyzed | Qualifie |
|--|--|-------------------------------|---------|--------------|------------|----------|
| Chlorine, Free 1.53 0.02 mg/L 2024-06-24 Temperature, field 15.4 16.4 16.2 2024-06-24 Temperature, field 15.4 16.4 16.2 2024-06-24 Temperature, field 15.4 16.4 16.4 16.2 2024-06-27 Temperature, field 16.4 2024-06-27 Temperature, field 2024-06-28 Temperature, field 2024-06-29 Temperature | Screenworks (24F2961-01) Matrix: Wate | r Sampled: 2024-06-24 10:57 | | | | |
| Temperature, field 15.4 "C 2024-06-24 | Field Parameters | | | | | |
| Alkalinity, Total (as CaCO3) 23.9 1.0 mg/L 2024-06-27 Alkalinity, Phenolphthalein (as CaCO3) 23.9 1.0 mg/L 2024-06-27 Alkalinity, Phenolphthalein (as CaCO3) 23.9 1.0 mg/L 2024-06-27 Alkalinity, Phenolphthalein (as CaCO3) 23.9 1.0 mg/L 2024-06-27 Alkalinity, Hydroxide (as CaCO3) <1.0 1.0 mg/L 2024-06-27 Alkalinity, Hydroxide (as CaCO3) <1.0 1.0 mg/L 2024-06-27 Alkalinity, Hydroxide (as CaCO3) <1.0 1.0 mg/L 2024-06-27 Codour, True <5.0 5.0 CU 2024-06-27 Codour, True <5.0 5.0 CU 2024-06-27 Codour, True <5.0 5.0 CU 2024-06-27 HT2 Turbidity 0.25 0.10 NTU 2024-06-27 HT2 Turbidity 0.25 0.10 NTU 2024-06-25 UV Transmittance @ 254mm 91.9 0.10 % T 2024-06-25 UV Transmittance @ 254mm 91.9 0.10 % T 2024-06-25 UV Transmittance @ 15.0 Martix: Water Sampled: 2024-06-24 u9:04 Water Sampled: 2024-06-24 u9:04 Water Sampled: 2024-06-25 UV Transmittance @ 254mm 91.9 0.10 mg/L 2024-06-25 UV Transmittance @ 254mm 0.13 0.10 mg/L 2024-06-25 UV Transmittance @ 254mm 0.13 0.10 mg/L 2024-06-25 UV Transmittance @ 254mm 0.13 0.10 mg/L 2024-06-25 UV Transmittance @ 25.0 0.00 mg/L 2024-06-27 UV Transmittance @ 25.0 0.00 mg/L 2024-06-27 UV Transmittance @ 25.0 0.00 mg/L 2024-06-27 UV Transm | Chlorine, Free | 1.53 | 0.02 | mg/L | 2024-06-24 | |
| Alkalinity, Total (as CaCO3) | Temperature, field | 15.4 | | °C | 2024-06-24 | |
| Alkalinify, Phenolphthalein (as CaCO3) | General Parameters | | | | | |
| Alkalinity, Bicarbonate (as CaCO3) | Alkalinity, Total (as CaCO3) | 23.9 | 1.0 | mg/L | 2024-06-27 | |
| Alkalinity, Bicarbonate (as CaCO3) | Alkalinity, Phenolphthalein (as CaCO3) | < 1.0 | 1.0 | mg/L | 2024-06-27 | |
| Alkalinity, Hydroxide (as CaCO3) < 1.0 1.0 mg/L 2024-08-27 Colour, True | | 23.9 | | | 2024-06-27 | |
| Colour, True | Alkalinity, Carbonate (as CaCO3) | < 1.0 | 1.0 | mg/L | 2024-06-27 | |
| Conductivity (EC) 80.1 2.0 µS/cm 2024-06-27 HT2 PH 7.30 0.10 pH units 2024-06-27 HT2 Turbidity 0.25 0.10 NTU 2024-06-25 UV Transmittance @ 254nm 91.9 0.10 % T 2024-06-25 Well #6 (24F2961-02) Matrix: Water Sampled: 2024-06-24 09:04 Well #6 (24F2961-02) Matrix: Water Sampled: 2024-06-25 River (as N) | | < 1.0 | 1001000 | | 2024-06-27 | |
| Conductivity (EC) 80.1 2.0 µS/cm 2024-06-27 HT2 PH 7.30 0.10 pH units 2024-06-27 HT2 Turbidity 0.25 0.10 NTU 2024-06-25 UV Transmittance @ 254nm 91.9 0.10 % T 2024-06-25 UV Transmittance @ 254nm 91.9 0.10 % T 2024-06-25 UV Transmittance @ 254nm 91.9 0.10 % T 2024-06-25 UV Transmittance @ 254nm 91.9 0.10 % T 2024-06-25 UV Transmittance @ 254nm 91.9 0.10 % T 2024-06-25 UV Transmittance @ 254nm 91.9 0.10 mg/L 2024-06-25 UV Transmittance @ 254nm 2024-06-26 UV Transmittance @ 254nm 2024-06-27 UV Transmittance @ 254nm UV Transmittance @ 254n | | < 5.0 | | | 2024-06-27 | |
| Turbidity 0.25 0.10 NTU 2024-06-25 UV Transmittance @ 254nm 91.9 0.10 %T 2024-06-25 Well #6 (24F2961-02) Matrix: Water Sampled: 2024-06-24 09:04 Anions Chloride 6.15 0.10 mg/L 2024-06-25 Fluoride 0.13 0.10 mg/L 2024-06-25 Nitrate (as N) 0.918 0.010 mg/L 2024-06-25 Nitrate (as N) 0.918 0.010 mg/L 2024-06-25 Sulfate 22.5 1.0 mg/L 2024-06-25 Sulfate 22.5 1.0 mg/L 2024-06-25 Calculated Parameters Hardness, Total (as CaCO3) 219 0.500 mg/L N/A Langelier Index 0.11 -5.0 2024-06-28 CT10 Solids, Total Dissolved 236 1.00 mg/L N/A Field Parameters Chlorine, Free < 0.02 0.02 mg/L 2024-06-24 General Parameters Alkalinity, Potal (as CaCO3) 185 1.0 mg/L 2024-06-27 Alkalinity, Potal (as CaCO3) 185 1.0 mg/L 2024-06-27 Alkalinity, Potal (as CaCO3) 185 1.0 mg/L 2024-06-27 Alkalinity, Catelonate (as CaCO3) 185 1.0 mg/L 2024-06-27 Alkalinity, Catelonate (as CaCO3) < 1.0 1.0 mg/L 2024-06-27 Alkalinity, Carbonate (as CaCO3) < 1.0 1.0 mg/L 2024-06-27 Alkalinity, Carbonate (as CaCO3) < 1.0 1.0 mg/L 2024-06-27 Alkalinity, Carbonate (as CaCO3) < 1.0 1.0 mg/L 2024-06-27 Alkalinity, Carbonate (as CaCO3) < 1.0 1.0 mg/L 2024-06-27 Colout, True < 5.0 5.0 CU 2024-06-27 Colout, True < 5.0 0.0020 0.0020 mg/L 2024-06-27 Cyanide, Total < 0.0020 0.0020 mg/L 2024-06-27 Cyanide, Total < 0.0020 0.0020 mg/L 2024-06-27 Cyanide, Total < 0.0020 0.0020 0.0020 mg/L 2024-06-27 | | 80.1 | 2.0 | μS/cm | 2024-06-27 | |
| Well #6 (24F2961-02) Matrix: Water Sampled: 2024-06-24 09:04 | рН | 7.30 | 0.10 | pH units | 2024-06-27 | HT2 |
| Well #6 (24F2961-02) Matrix: Water Sampled: 2024-06-24 09:04 Sampled: 2024-06-24 09:04 Sampled: 2024-06-25 Sampled: 2024-06-26 Sampled: 2024-06-26 Sampled: 2024-06-28 Sampled: 2024-06-28 Sampled: 2024-06-28 Sampled: 2024-06-29 Sampled: 2024 | • | 0.25 | | | | |
| Well #6 (24F2961-02) Matrix: Water Sampled: 2024-06-24 09:04 Sampled: 2024-06-24 09:04 Sampled: 2024-06-25 Sampled: 2024-06-26 Sampled: 2024-06-28 Sampled: 2024-06-28 Sampled: 2024-06-28 Sampled: 2024-06-28 Sampled: 2024-06-29 Sampled: 2024 | UV Transmittance @ 254nm | 91.9 | 0.10 | % T | 2024-06-25 | |
| Fluoride 0.13 0.10 mg/L 2024-06-25 Nitrate (as N) 0.918 0.010 mg/L 2024-06-25 Nitrate (as N) < 0.010 0.010 mg/L 2024-06-25 Nitrate (as N) < 0.010 0.010 mg/L 2024-06-25 Sulfate 22.5 1.0 mg/L 2024-06-25 Sulfate 22.5 1.0 mg/L 2024-06-25 Sulfate 22.5 1.0 mg/L 2024-06-25 Calculated Parameters Hardness, Total (as CaCO3) 219 0.500 mg/L N/A Langelier Index -0.1 -5.0 2024-06-28 CT10 Solids, Total Dissolved 236 1.00 mg/L N/A Field Parameters Chlorine, Free < 0.02 0.02 mg/L 2024-06-24 Temperature, field 11.5 °C 2024-06-24 General Parameters Alkalinity, Total (as CaCO3) 185 1.0 mg/L 2024-06-27 Alkalinity, Phenolphthalein (as CaCO3) 185 1.0 mg/L 2024-06-27 Alkalinity, Bicarbonate (as CaCO3) 4.10 1.0 mg/L 2024-06-27 Alkalinity, Carbonate (as CaCO3) < 1.0 1.0 mg/L 2024-06-27 Alkalinity, Hydroxide (as CaCO3) < 1.0 1.0 mg/L 2024-06-27 Alkalinity, Hydroxide (as CaCO3) < 1.0 1.0 mg/L 2024-06-27 Colour, True < 5.0 5.0 CU 2024-06-27 Conductivity (EC) 440 2.0 µS/cm 2024-06-27 Cyanide, Total < 0.0020 0.0020 mg/L 2024-06-27 Cyanide, Total C | Anions | 102 | 18/118 | William with | | |
| Nitrate (as N) 0.918 0.010 mg/L 2024-06-25 Nitrite (as N) < 0.010 0.010 mg/L 2024-06-25 Nitrite (as N) < 0.010 0.010 mg/L 2024-06-25 Sulfate 22.5 1.0 mg/L 2024-06-25 Sulfate 22.5 1.0 mg/L 2024-06-25 Calculated Parameters Hardness, Total (as CaCO3) 219 0.500 mg/L N/A Langelier Index -0.1 -5.0 2024-06-28 CT10 Solids, Total Dissolved 236 1.00 mg/L N/A Field Parameters | Chloride | 6.15 | 0.10 | mg/L | 2024-06-25 | |
| Nitrite (as N) < 0.010 0.010 mg/L 2024-06-25 Sulfate 22.5 1.0 mg/L 2024-06-25 Sulfate 22.5 1.0 mg/L 2024-06-25 Calculated Parameters | Fluoride | 0.13 | 0.10 | mg/L | 2024-06-25 | |
| Sulfate 22.5 1.0 mg/L 2024-06-25 Calculated Parameters Sulfate 22.5 1.0 mg/L 2024-06-25 Hardness, Total (as CaCO3) 219 0.500 mg/L N/A Langelier Index -0.1 -5.0 2024-06-28 CT10 Solids, Total Dissolved 236 1.00 mg/L N/A Field Parameters Sulfate Sul | Nitrate (as N) | 0.918 | 0.010 | mg/L | 2024-06-25 | |
| Calculated Parameters | Nitrite (as N) | < 0.010 | 0.010 | mg/L | 2024-06-25 | |
| Hardness, Total (as CaCO3) 219 0.500 mg/L N/A | Sulfate | 22.5 | 1.0 | mg/L | 2024-06-25 | |
| Langelier Index | Calculated Parameters | | | | | |
| Solids, Total Dissolved 236 1.00 mg/L N/A | Hardness, Total (as CaCO3) | 219 | 0.500 | mg/L | N/A | |
| Chlorine, Free < 0.02 0.02 mg/L 2024-06-24 | Langelier Index | -0.1 | -5.0 | | 2024-06-28 | CT10 |
| Chlorine, Free < 0.02 0.02 mg/L 2024-06-24 Temperature, field 11,5 °C 2024-06-24 General Parameters Alkalinity, Total (as CaCO3) 185 1.0 mg/L 2024-06-27 Alkalinity, Phenolphthalein (as CaCO3) 185 1.0 mg/L 2024-06-27 Alkalinity, Carbonate (as CaCO3) 41.0 1.0 mg/L 2024-06-27 Alkalinity, Hydroxide (as CaCO3) < 1.0 1.0 mg/L 2024-06-27 Colour, True < 5.0 5.0 CU 2024-06-27 Conductivity (EC) 440 2.0 µS/cm 2024-06-27 Cyanide, Total < 0.0020 0.0020 mg/L 2024-06-27 HTZ | Solids, Total Dissolved | 236 | 1.00 | mg/L | N/A | |
| Temperature, field 11.5 °C 2024-06-24 General Parameters | Field Parameters | | | | | |
| Alkalinity, Total (as CaCO3) 185 1.0 mg/L 2024-06-27 Alkalinity, Phenolphthalein (as CaCO3) 4.1.0 1.0 mg/L 2024-06-27 Alkalinity, Bicarbonate (as CaCO3) 185 1.0 mg/L 2024-06-27 Alkalinity, Carbonate (as CaCO3) 4.1.0 1.0 mg/L 2024-06-27 Alkalinity, Hydroxide (as CaCO3) 4.1.0 1.0 mg/L 2024-06-27 Alkalinity, Hydroxide (as CaCO3) 4.1.0 1.0 mg/L 2024-06-27 Colour, True 5.0 5.0 CU 2024-06-27 Conductivity (EC) 440 2.0 µS/cm 2024-06-27 Cyanide, Total 6.0002 0.0020 mg/L 2024-06-29 pH 7.56 0.10 pH units 2024-06-27 HT2 | Chlorine, Free | < 0.02 | 0.02 | mg/L | 2024-06-24 | |
| Alkalinity, Total (as CaCO3) 185 1.0 mg/L 2024-06-27 Alkalinity, Phenolphthalein (as CaCO3) < 1.0 | Temperature, field | 11.5 | | °C | 2024-06-24 | |
| Alkalinity, Phenolphthalein (as CaCO3) < 1.0 mg/L 2024-06-27 Alkalinity, Bicarbonate (as CaCO3) 185 1.0 mg/L 2024-06-27 Alkalinity, Carbonate (as CaCO3) < 1.0 1.0 mg/L 2024-06-27 Alkalinity, Hydroxide (as CaCO3) < 1.0 1.0 mg/L 2024-06-27 Colour, True < 5.0 5.0 CU 2024-06-27 Conductivity (EC) 440 2.0 µs/cm 2024-06-27 Cyanide, Total < 0.0020 mg/L 2024-06-29 pH 7.56 0.10 pH units 2024-06-27 HTZ | General Parameters | | | | | |
| Alkalinity, Phenolphthalein (as CaCO3) < 1.0 mg/L 2024-06-27 Alkalinity, Bicarbonate (as CaCO3) 185 1.0 mg/L 2024-06-27 Alkalinity, Carbonate (as CaCO3) < 1.0 1.0 mg/L 2024-06-27 Alkalinity, Hydroxide (as CaCO3) < 1.0 1.0 mg/L 2024-06-27 Colour, True < 5.0 5.0 CU 2024-06-27 Conductivity (EC) 440 2.0 µs/cm 2024-06-27 Cyanide, Total < 0.0020 mg/L 2024-06-29 pH 7.56 0.10 pH units 2024-06-27 HTZ | Alkalinity, Total (as CaCO3) | 185 | 1.0 | mg/L | 2024-06-27 | |
| Alkalinity, Bicarbonate (as CaCO3) 185 1.0 mg/L 2024-06-27 Alkalinity, Carbonate (as CaCO3) < 1.0 | A WEST CONTROL OF THE PROPERTY | < 1.0 | 90000 | | 2024-06-27 | |
| Alkalinity, Carbonate (as CaCO3) < 1.0 mg/L 2024-06-27 Alkalinity, Hydroxide (as CaCO3) < 1.0 | | 185 | | | 2024-06-27 | |
| Alkalinity, Hydroxide (as CaCO3) < 1.0 mg/L 2024-06-27 Colour, True < 5.0 | | | | | 2024-06-27 | |
| Conductivity (EC) 440 2.0 µS/cm 2024-06-27 Cyanide, Total < 0.0020 | | < 1.0 | **** | | 2024-06-27 | |
| Cyanide, Total < 0.0020 0.0020 mg/L 2024-06-29 pH 7.56 0.10 pH units 2024-06-27 HT2 | Colour, True | < 5.0 | 5.0 | CU | 2024-06-27 | |
| pH 7.56 0.10 pH units 2024-06-27 HT2 | Conductivity (EC) | 440 | 2.0 | μS/cm | 2024-06-27 | |
| pH 7.56 0.10 pH units 2024-06-27 HT2 | Cyanide, Total | < 0.0020 | 0.0020 | mg/L | 2024-06-29 | |
| Temperature, at pH 21.6 °C 2024-06-27 HT2 | | 7.56 | 0.10 | pH units | 2024-06-27 | HT2 |
| | Temperature, at pH | 21.6 | | °C | 2024-06-27 | HT2 |

Caring About Results, Obviously.



TEST RESULTS

REPORTED TO Black Mountain Irrigation District PROJECT Screen Works/ Chemistry

WORK ORDER REPORTED

24F2961 2024-07-05 15:38

| Analyte | Result | RL | Units | Analyzed | Qualifie |
|--|--------------------------------|---------|--------------|------------|----------|
| Well #6 (24F2961-02) Matrix: Water | Sampled: 2024-06-24 09:04, Cor | ntinued | | | |
| General Parameters, Continued | | | | | |
| Turbidity | < 0.10 | 0.10 | NTU | 2024-06-25 | |
| Pesticides, Herbicides, and Fungicides | | | | | |
| Alachlor | < 0.100 | 0.100 | ug/l | 2024-07-05 | |
| Aldrin | < 0.006 | 0.006 | | 2024-07-05 | |
| Atrazine and metabolites | < 0.100 | 0.100 | | 2024-07-05 | |
| Azinphos-methyl | < 0.200 | 0.200 | | 2024-07-05 | |
| alpha-BHC | < 0.010 | 0.010 | | 2024-07-05 | |
| beta-BHC | < 0.050 | 0.050 | | 2024-07-05 | |
| delta-BHC | < 0.050 | 0.050 | | 2024-07-05 | |
| gamma-BHC (Lindane) | < 0.050 | 0.050 | | 2024-07-05 | |
| Bromacil | < 0.100 | 0.100 | | 2024-07-05 | |
| Bromoxynil | < 0.200 | 0.200 | 10.7 | 2024-07-05 | |
| Butachlor | < 0.020 | 0.020 | , . | 2024-07-05 | |
| Captan | < 0.100 | 0.100 | | 2024-07-05 | |
| Chlordane (cis + trans) | < 0.050 | 0.050 | | 2024-07-05 | |
| Chlorothalonil | < 0.050 | 0.050 | 1,000,000,17 | 2024-07-05 | |
| Chlorpyrifos | < 0.010 | 0.010 | | 2024-07-05 | |
| Cyanazine | < 0.100 | 0.100 | µg/L | 2024-07-05 | |
| DDT, Total | < 0.010 | 0.010 | | 2024-07-05 | |
| Deltamethrin | < 0.100 | 0.100 | µg/L | 2024-07-05 | |
| Diazinon | < 0.020 | 0.020 | µg/L | 2024-07-05 | |
| Dichlorvos | < 0.100 | 0.100 | µg/L | 2024-07-05 | |
| Diclofop-methyl | < 0.100 | 0.100 | µg/L | 2024-07-05 | |
| Dieldrin | < 0.010 | 0.010 | µg/L | 2024-07-05 | |
| Dimethoate | < 0.200 | 0.200 | µg/L | 2024-07-05 | |
| Disulfoton | < 0.100 | 0.100 | μg/L | 2024-07-05 | |
| Diuron | < 0.200 | 0.200 | µg/L | 2024-07-05 | |
| Endosulfan I + II | < 0.010 | 0.010 | μg/L | 2024-07-05 | |
| Endosulfan sulfate | < 0.050 | 0.050 | μg/L | 2024-07-05 | |
| Endrin | < 0.020 | 0.020 | μg/L | 2024-07-05 | |
| Endrin aldehyde | < 0.020 | 0.020 | µg/L | 2024-07-05 | |
| Endrin ketone | < 0.020 | 0.020 | µg/L | 2024-07-05 | |
| Fenchlorphos (Ronnel) | < 0.100 | 0.100 | μg/L | 2024-07-05 | |
| Heptachlor | < 0.010 | 0.010 | μg/L | 2024-07-05 | |
| Heptachlor epoxide | < 0.010 | 0.010 | μg/L | 2024-07-05 | |
| Linuron | < 0.050 | 0.050 | μg/L | 2024-07-05 | |
| Malathion | < 0.100 | 0.100 | μg/L | 2024-07-05 | |
| Methoxychlor | < 0.050 | 0.050 | μg/L | 2024-07-05 | |
| Methyl parathion | < 0.100 | 0.100 | μg/L | 2024-07-05 | |
| Metolachlor | < 0.100 | 0.100 | μg/L | 2024-07-05 | |
| Metribuzin | < 0.200 | 0.200 | μg/L | 2024-07-05 | |
| Parathion | < 0.100 | 0.100 | µg/L | 2024-07-05 | |

Caring About Results, Obviously.

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TEST RESULTS

 REPORTED TO
 Black Mountain Irrigation District
 WORK ORDER
 24F2961

 PROJECT
 Screen Works/ Chemistry
 REPORTED
 2024-07-05 15:38

| Analyte | Result | RL | Units | Analyzed | Qualifie |
|---|---------------------------|-----------|-------|------------|----------|
| Nell #6 (24F2961-02) Matrix: Water San | pled: 2024-06-24 09:04, 0 | Continued | | | |
| Pesticides, Herbicides, and Fungicides, Conti | nued | | | | |
| Pentachloronitrobenzene | < 0.100 | 0.100 | μg/L | 2024-07-05 | |
| Permethrin | < 0.010 | 0.010 | μg/L | 2024-07-05 | |
| Phorate | < 0.100 | 0.100 | μg/L | 2024-07-05 | |
| Prometon | < 0.300 | 0.300 | μg/L | 2024-07-05 | |
| Prometryne | < 0.100 | 0.100 | μg/L | 2024-07-05 | |
| Simazine | < 0.200 | 0.200 | μg/L | 2024-07-05 | |
| Sulfotep | < 0.100 | 0.100 | μg/L | 2024-07-05 | |
| Tebuthiuron | < 0.200 | 0.200 | μg/L | 2024-07-05 | |
| Temephos (Abate) | < 0.500 | 0.500 | μg/L | 2024-07-05 | |
| Terbufos | < 0.100 | 0.100 | μg/L | 2024-07-05 | |
| Triallate | < 0.100 | 0.100 | μg/L | 2024-07-05 | |
| Trifluralin | < 0.200 | 0.200 | μg/L | 2024-07-05 | |
| Surrogate: Tributyl Phosphate | 83 | 50-140 | % | 2024-07-05 | |
| Surrogate: 4-chloro-3-nitrobenzotrifluoride | 69 | 50-140 | % | 2024-07-05 | |
| otal Metals Aluminum, total | < 0.0050 | 0.0050 | mg/L | 2024-06-26 | |
| Antimony, total | < 0.00020 | 0.00020 | mg/L | 2024-06-26 | |
| Arsenic, total | < 0.00050 | 0.00050 | mg/L | 2024-06-26 | |
| Barium, total | 0.0138 | 0.0050 | mg/L | 2024-06-26 | |
| Boron, total | < 0.0500 | 0.0500 | mg/L | 2024-06-26 | |
| Cadmium, total | < 0.000010 | 0.000010 | mg/L | 2024-06-26 | |
| Calcium, total | 67.2 | 0.20 | mg/L | 2024-06-26 | |
| Chromium, total | < 0.00050 | 0.00050 | mg/L | 2024-06-26 | |
| Cobalt, total | < 0.00010 | 0.00010 | mg/L | 2024-06-26 | |
| Copper, total | < 0.00040 | 0.00040 | mg/L | 2024-06-26 | |
| Iron, total | < 0.010 | 0.010 | mg/L | 2024-06-26 | |
| Lead, total | < 0.00020 | 0.00020 | mg/L | 2024-06-26 | |
| Magnesium, total | 12.3 | 0.010 | mg/L | 2024-06-26 | |
| Manganese, total | 0.00060 | 0.00020 | mg/L | 2024-06-26 | |
| Mercury, total | < 0.000010 | 0.000010 | mg/L | 2024-06-27 | |
| Molybdenum, total | 0.00158 | 0.00010 | mg/L | 2024-06-26 | |
| Nickel, total | < 0.00040 | 0.00040 | mg/L | 2024-06-26 | |
| Potassium, total | 1.84 | 0.10 | mg/L | 2024-06-26 | |
| Selenium, total | 0.00087 | 0.00050 | mg/L | 2024-06-26 | |
| Sodium, total | 9.33 | 0.10 | mg/L | 2024-06-26 | |
| Strontium, total | 0.276 | 0.0010 | mg/L | 2024-06-26 | |
| Uranium, total | 0.000802 | 0.000020 | mg/L | 2024-06-26 | |
| | | | mg/L | | |