

FERNIE ALPINE RESORT UTILITIES CORPORATION

Facility Number 12-123-00210



2025 ANNUAL WATER REPORT TO INTERIOR HEALTH

Date of Issue: June 2026

This report was produced on behalf of the
Fernie Alpine Resort Utility Corporation
by Claudia Heinrich, Utility Manager

Fernie Alpine Resort, 5339 Ski Hill Road, Fernie BC V0B 1M6

Potable Water System Operations Summary

The FARUC potable water system continued to serve Fernie Alpine Resort village in 2025. Much of the system is approaching the 30 year mark and some of the major components are in the process of upgrading or replacement. In total the system produced 153,559 m³ in 2025.

Operator Certification

Utility Manager: Claudia Heinrich (WWIII, WTIII, WDII)) EOCP #1900

Utility Operator: Nick Corman (WWI) EOCP #1001559

Utility Operator: Xavier Vaughan (Operator-In-Training) EOCP #1003275

Water Quality Monitoring Program

Water is drawn from a shallow aquifer located near the Elk River, under the influence of mountain streams and runoff, and disinfected with hypochlorite.

Chlorine residuals are monitored daily throughout the system. Well residuals are monitored at the well and at the water treatment plant, which is the first sampling tap downstream of the well. Reservoir residuals are monitored at Reservoir #1, located at the bottom of Lizard Bowl, and just downstream of the new reservoir, at the maintenance shop. Other points monitored on a rotating basis are: the Mountain Pantry store, Tamarack administrative building, Snow Creek and Lizard Creek. Sampling points are chosen for both relevance and accessibility.

Two bacteriological samples are sent out every week to an accredited lab; we have never had a bad sample and 2025 was no exception.

A hand-held turbidimeter was purchased in 2025 and daily readings will be added to the 2026 report. The new turbidimeter enables us to verify turbidity readings from the existing inline turbidimeters and also allows us to monitor turbidity throughout the water distribution system.

We are required to do a full spectrum analysis every three years. The last one was done in 2022 and last year, our Drinking Water Officer asked us to do a full spectrum analysis on our raw well water. The results are attached to this report.

Cross-Connection Control

FARUC is committed to providing the resort community with clean, safe drinking water. Cross-connection can allow potentially contaminated water to backsiphon into the drinking water system. This year, in accordance with IHA requirements, we are bringing in a certified cross-connection specialist to inspect our commercial facilities. Homeowners using a garden hose to fill a hot tub or a wading pool are encouraged to use an inexpensive vacuum breaker on their hose bib to prevent any possible backsiphonage.

Water Distribution System Flushing

As part of our commitment to clean, safe water and following the recommendation from IHA, we are starting an annual flushing program in 2026. The intent is to flush out any accumulated silt or sediment that may have settled out in the distribution system. We will post signage and notify homeowners by email when flushing is scheduled to occur. Sediment that has been stirred up by flushing may cause tap water to appear cloudy; running the tap for a few minutes will clear this up.

Hydrant Inspection

All the hydrants in the resort are inspected annually by an independent contractor. The test results go to the fire chief in Fernie and they are also posted with this report. Exercising the hydrants can also stir up any settled sediment in the water line; if you notice cloudy water, please run your tap a few minutes until the water clears up.

Curbstops

Every home has a curbstop; this is the valve that controls flow from the water distribution system into your home. Normally curbstops are only closed if your interior water shutoff fails or is leaking, or if the home is left vacant for months, to prevent any major leaks while the homeowner is absent. Because the actual operating valve is buried several feet in the ground (please refer to the drawing below), rust over time can cause the curbstop to fail. We understand that this can be expected with aging infrastructure and, if required, we will repair your curbstop as soon as possible. However, we cannot assume responsibility for damaged or buried curbstops. Only FARUC staff are permitted to operate curbstops but we encourage all

homeowners to know where their curbstop is located, in case of an emergency. Your curbstop can be found on the edge of your property easement and should be either flush with the ground or raised slightly (please refer to photo below).



Long Term Plans for System Improvements

As many customers are aware, an upgrade to the water system is under construction. The first phase of the new treatment plant will connect a second well at the river, providing redundancy to the system. The new plant will also automate the system operation and the collection of data using a SCADA system.

The second phase of the new system will be the installation of UV treatment into the facility. The utility is required to collect data from the new system and submit to Interior Health prior to receiving approval for the installation.

The initial phase of the new water system is set to go online this year.

Fernie Alpine Resort Water Distribution 2025 Summary																											
Month	Chlorine Residual (mg/L)														Water Usage (m³)						Turbidity (NTU)				Independent Testing		
	Reservoir 1 CL ₂		Reservoir 2 CL ₂		River Pump CL ₂		WWTP CL ₂		Shop CL ₂		Tamarack CL ₂		Lizard Creek CL ₂		Snow Creek CL ₂		Pantry CL ₂		River Pp		Spring		River				
	Average	Median	Average	Median	Average	Median	Average	Median	Average	Median	Average	Median	Average	Median	Average	Median	Average	Median	Average	Median	Total	Average	Median	Average	Median	T. Coliform	E. Coli
Jan	1.31	1.25	1.01	1.00	0.97	0.90	0.95	0.94	0.93	0.89	1.02	1.04	1.02	0.99	0.95	0.96	0.95	518	519	16068	0.091	0.088	0.095	0.082	>1	>1	
Feb	2.62	1.81	1.02	1.03	1.08	0.98	0.90	0.91	0.87	0.86	1.06	1.04	0.97	0.98	0.98	0.95	1.08	0.97	555	549	15533	0.753	0.109	0.176	0.083	>1	>1
Mar	1.44	1.18	1.02	1.02	1.21	1.11	0.93	0.92	0.90	0.86	1.06	1.02	0.99	0.93	0.94	0.92	0.73	0.71	548	529	16982	0.718	0.493	0.167	0.154	>1	>1
Apr	0.62	0.50	1.03	1.01	1.16	1.08	0.98	0.98	0.92	0.92	0.97	0.98	1.00	0.95	0.91	0.94	0.73	0.72	361	344	10826	0.495	0.446	0.166	0.142	>1	>1
May	1.09	0.88	0.98	1.00	1.16	1.10	1.01	1.02	0.97	0.93	0.96	0.95	0.94	0.93	0.94	0.94	0.99	0.97	223	213	6906	0.281	0.233	0.107	0.079	ok	ok
June	1.11	1.07	1.17	1.16	1.31	1.22	1.04	1.06	1.05	1.06	1.00	0.96	1.05	1.02	1.03	1.02	1.04	1.02	366	359	10993	0.557	0.172	0.085	0.077	>1	>1
July	1.14	1.17	1.00	1.00	1.08	0.97	1.00	1.01	0.96	0.97	0.98	0.97	0.94	0.94	0.99	1.01	0.94	0.98	472	482	14628	0.370	0.147	0.090	0.082	>1	>1
Aug	1.29	1.30	0.96	0.97	1.30	1.32	1.13	1.13	1.10	1.11	1.20	1.20	1.08	1.12	1.08	1.11	1.10	1.09	520	516	16117	0.173	0.143	0.093	0.092	>1	>1
Sept	1.26	1.29	1.00	1.03	1.27	1.23	1.12	1.11	1.07	1.06	1.06	1.06	1.07	1.09	1.03	1.01	1.22	1.19	450	436	13514	N/A	N/A	0.080	0.073	>1	>1
Oct	4.62	6.75	1.12	1.12	1.34	1.34	1.05	1.05	1.00	1.05	0.96	1.05	0.97	0.98	0.93	0.96	1.12	1.02	309	297	9584	0.340	0.181	0.108	0.071	>1	>1
Nov	2.09	1.82	1.07	1.06	1.20	1.15	0.99	0.98	0.93	0.94	0.93	0.89	0.85	0.84	0.86	0.89	0.95	0.94	279	268	8371	1.136	0.452	0.099	0.081	>1	>1
Dec	0.32	0.31	1.10	1.12	1.34	1.16	1.04	1.03	0.99	0.99	1.08	1.06	1.08	1.09	1.02	1.04	1.10	1.09	453	422	14037	0.471	0.319	0.322	0.137	>1	>1
Annual	1.58	1.22	1.04	1.02	1.20	1.13	1.01	1.02	0.97	0.95	1.02	1.03	1.00	0.98	0.97	0.96	1.00	0.98	421	429	153559	0.490	0.181	0.132	0.082	no	no



SPROUSE FIRE & SAFETY

Unit #38, 5329 – 72 Ave. SE, Calgary, Alberta T2C 3C4
Phone: (403) 265-3891 Fax: (403) 237-7861

FIRE HYDRANT INSPECTION REPORT

DATE: 14-Jul-2025

CUSTOMER BUILDING ADDRESS: Fernie Alpine Resort c/o Resorts of the Canadian Rockies

DESCRIPTION OF SYSTEM (No. of Hydrants, Manufacturer, Hydrant Type, Layout):

1. McAvity M67 (1975). 2. Mueller Century(1981). 3. Mueller Century(1981)

Hydrant List:

No. 1	Location:	At the Main Ticket Kiosk Center Court			Shut Off Location:	Approximately 3' behind Hydrant		
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒					
Static Pressure:	95 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒					
Residual Pres w/2.5" F.O.:	90 PSI							
Pitot Pressure:	44 PSI							
Calculated Flow:	1119 GPM							
No. 2	Location:	At the Griz Inn Entrance			Shut Off Location:	Unknown		
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☐ NO ☒	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒					
Static Pressure:	110 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒					
Residual Pres w/2.5" F.O.:	100 PSI							
Pitot Pressure:	50 PSI							
Calculated Flow:	1193 GPM							
No. 3	Location:	At the Entrance to parking lot of Fernie Lodging Co.			Shut Off Location:	Approximately 3' West of Hydrant		
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒					
Static Pressure:	85 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒					
Residual Pres w/2.5" F.O.:	40 PSI							
Pitot Pressure:	45 PSI							
Calculated Flow:	1131 GPM							

REPAIRS (Replacing O-rings, Gaskets, Caps Missing, Valve Rubber, Internal Components):

N/A

COMMENTS & RECOMMENDATIONS (Painting, Replacing Internal Components)

The Fire Hydrants at this location have been inspected and were found to be in a suitable condition for regular service on July 14, 2024. Sprouse Fire and Safety Corp assumes no further liability.



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FIRE HYDRANT INSPECTION REPORT

DATE: 14-Jul-2025

CUSTOMER BUILDING ADDRESS: Fernie Alpine Resort c/o Resorts of the Canadian Rockies

DESCRIPTION OF SYSTEM (No. of Hydrants, Manufacturer, Hydrant Type, Layout):

4. Mueller Century. 5. Mueller Century

6. Mueller Century

Hydrant List:

No. 4	Location: Timberline Crescent (beside premise #4553)	Shut Off Location: Approximately 3' South of Hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 80 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒	
Residual Pres w/2.5" F.O.: 40 PSI			
Pitot Pressure: 36 PSI			
Calculated Flow: 1012 GPM			
No. 5	Location: Corner of Timberline Crescent (Premise 4477).	Shut Off Location: Approximately 3' South of Hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 118 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒	
Residual Pres w/2.5" F.O.: 55 PSI			
Pitot Pressure: 51 PSI			
Calculated Flow: 1205 GPM			
No. 6	Location: Timberline Crescent (beside premise 4427)	Shut Off Location: Approximately 1' North of hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 120 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒	
Residual Pres w/2.5" F.O.: 80 PSI			
Pitot Pressure: 47 PSI			
Calculated Flow: 1156 GPM			

REPAIRS (Replacing O-rings, Gaskets, Caps Missing, Valve Rubber, Internal Components):

N/A

COMMENTS & RECOMMENDATIONS (Painting, Replacing Internal Components)

The Fire Hydrants at this location have been inspected and were found to be in a suitable condition for regular service on July 14, 2024. Sprouse Fire and Safety Corp assumes no further liability.



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FIRE HYDRANT INSPECTION REPORT

DATE: 14-Jul-2025

CUSTOMER BUILDING ADDRESS: Fernie Alpine Resort c/o Resorts of the Canadian Rockies.

DESCRIPTION OF SYSTEM (No. of Hydrants, Manufacturer, Hydrant Type, Layout):

7. Mueller Centurion 8. McAvity 67 Brigadier (1995)

9. McAvity 67 Brigadier (1995)

Hydrant List:

No. 7	Location:	Timberline Crescent at premise 4389			Shut Off Location:	2' SW of Hydrant		
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒					
Static Pressure:	115 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒					
Residual Pres w/2.5" F.O.:	60 PSI							
Pitot Pressure:	47 PSI							
Calculated Flow:	1156 GPM							
No. 8	Location:	At Entrance to Maintenance Shop			Shut Off Location:	Unknown		
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒					
Static Pressure:	65 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒					
Residual Pres w/2.5" F.O.:	60 PSI							
Pitot Pressure:	42 PSI							
Calculated Flow:	1093 GPM							
No. 9	Location:	Located at Poler Peaks Lodge (Lodge #8)			Shut Off Location:	6' SW of hydrant		
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒					
Static Pressure:	75 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒					
Residual Pres w/2.5" F.O.:	40 PSI							
Pitot Pressure:	30 PSI							
Calculated Flow:	924 GPM							

REPAIRS (Replacing O-rings, Gaskets, Caps Missing, Valve Rubber, Internal Components):

N/A

COMMENTS & RECOMMENDATIONS (Painting, Replacing Internal Components)

The Fire Hydrants at this location have been inspected and were found to be in a suitable condition for regular service on July 14, 2024. Sprouse Fire and Safety Corp assumes no further liability.



SPROUSE FIRE & SAFETY

Unit #38, 5329 – 72 Ave. SE, Calgary, Alberta T2C 3C4
Phone: (403) 265-3891 Fax: (403) 237-7861

FIRE HYDRANT INSPECTION REPORT

DATE: 15-Jul-2025

CUSTOMER BUILDING ADDRESS: Fernie Alpine Resorts c/o Resorts of the Canadian Rockies

DESCRIPTION OF SYSTEM (No. of Hydrants, Manufacturer, Hydrant Type, Layout):

10. McAvity 67 Brigadier (1998). 11. McAvity 67 Brigadier (1995)

12. McAvity 67 Brigadier (1999)

Hydrant List:

No. 10	Location: Right side of Cul De Sac (at Fire Lane).	Shut Off Location: Approximately 2' N of Hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 85 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒	
Residual Pres w/2.5" F.O.: 55 PSI			
Pitot Pressure: 22 PSI			
Calculated Flow: 791 GPM			
No. 11	Location: Highline Drive at premise 5400	Shut Off Location: Approximately 4' NW of Hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 130 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒	
Residual Pres w/2.5" F.O.: 110 PSI			
Pitot Pressure: 43 PSI			
Calculated Flow: 1106 GPM			
No. 12	Location: Stone Creek Chalets 5423	Shut Off Location: Approximately 3' N of Hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 115 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒	
Residual Pres w/2.5" F.O.: 45 PSI			
Pitot Pressure: 33 PSI			
Calculated Flow: 969 GPM			

REPAIRS (Replacing O-rings, Gaskets, Caps Missing, Valve Rubber, Internal Components):

NA

COMMENTS & RECOMMENDATIONS (Painting, Replacing Internal Components)

The Fire Hydrants at this location have been inspected and were found to be in a suitable condition for regular service on July 15, 2024. Sprouse Fire and Safety Corp assumes no further liability



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FIRE HYDRANT INSPECTION REPORT

DATE: 15-Jul-2025

CUSTOMER BUILDING ADDRESS: Fernie Alpine Resorts c/o Resorts of the Canadian Rockies

DESCRIPTION OF SYSTEM (No. of Hydrants, Manufacturer, Hydrant Type, Layout):

13. McAvity 67 Brigadier (1995). 14. McAvity 67 Brigadier (1995)

15. McAvity M67 (1995)

Hydrant List:

No. 13	Location: Highline Drive at Lizard Creek Lodge Entrance	Shut Off Location: Approximately 4' N of Hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 100 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒	
Residual Pres w/2.5" F.O.: 95 PSI			
Pitot Pressure: 39 PSI			
Calculated Flow: 1053 GPM			
No. 14	Location: Highline Drive at Ingamo Lodge	Shut Off Location: Approximately 2' SE of Hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☒ Ok ☐	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 105 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒	
Residual Pres w/2.5" F.O.: 75 PSI			
Pitot Pressure: 42 PSI			
Calculated Flow: 1093 GPM			
No. 15	Location: Highline Drive at Premise # 5281	Shut Off Location: Approximately 8' S of Hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 85 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒	
Residual Pres w/2.5" F.O.: 60 PSI			
Pitot Pressure: 41 PSI			
Calculated Flow: 1080 GPM			

REPAIRS (Replacing O-rings, Gaskets, Caps Missing, Valve Rubber, Internal Components):

NA

COMMENTS & RECOMMENDATIONS (Painting, Replacing Internal Components)

The Fire Hydrants at this location have been inspected and were found to be in a suitable condition for regular service on July 15, 2024. Sprouse Fire and Safety Corp assumes no further liability.



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FIRE HYDRANT INSPECTION REPORT

DATE: 15-Jul-2025

CUSTOMER BUILDING ADDRESS: Fernie Alpine Resorts c/o Resorts of the Canadian Rockies

DESCRIPTION OF SYSTEM (No. of Hydrants, Manufacturer, Hydrant Type, Layout):

16.McAvity 67 Brigadier (1995). 17.McAvity 67 Brigadier

18. McAvity 67 Brigadier

Hydrant List:

No. 16	Location: Highline Drive at Premise 5263	Shut Off Location: Approximately 5' NE of Hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 90 PSI	Residual Pres w/2.5" F.O.: 75 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒
Pitot Pressure: 28 PSI	Calculated Flow: 893 GPM		
No. 17	Location: Snow Creek Lodge Entrance	Shut Off Location: Approximately 4' NE of Hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 85 PSI	Residual Pres w/2.5" F.O.: 80 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒
Pitot Pressure: 44 PSI	Calculated Flow: 1119 GPM		
No. 18	Location: 5220 Highline Close	Shut Off Location: Approximately 3' NE of Hydrant	
Visual Inspection Paint Required ☒ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 55 PSI	Residual Pres w/2.5" F.O.: 50 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒
Pitot Pressure: 27 PSI	Calculated Flow: 876 GPM		

REPAIRS (Replacing O-rings, Gaskets, Caps Missing, Valve Rubber, Internal Components):

NA

COMMENTS & RECOMMENDATIONS (Painting, Replacing Internal Components)

The Fire Hydrants at this location have been inspected and were found to be in a suitable condition for regular service on July 15, 2024. Sprouse Fire and Safety Corp assumes no further liability



SPROUSE FIRE & SAFETY

Unit #38, 5329 – 72 Ave. SE, Calgary, Alberta T2C 3C4
Phone: (403) 265-3891 Fax: (403) 237-7861

FIRE HYDRANT INSPECTION REPORT

DATE: 15-Jul-2025

CUSTOMER BUILDING ADDRESS: Fernie Alpine Resorts c/o Resorts of the Canadian Rockies

DESCRIPTION OF SYSTEM (No. of Hydrants, Manufacturer, Hydrant Type, Layout):

19. McAvity M67 Brigadier 20. McAvity M67 Brigadier 1999

21. McAvity M67 Brigadier

Hydrant List:

No. 19	Location: Bears Paw Lodge 5383 Highline Drive	Shut Off Location: Approximately 4' West of Hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 90 PSI	Residual Pres w/2.5" F.O.: 40 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒
Pitot Pressure: 26 PSI	Calculated Flow: 860 GPM		
No. 20	Location: 5375 Snow Pines Drive (Corner of Property).	Shut Off Location: Approximately 7' SW of Hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 90 PSI	Residual Pres w/2.5" F.O.: 45 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☐	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☐
Pitot Pressure: 36 PSI	Calculated Flow: 1012 GPM		
No. 21	Location: Timberline Crescent at Balsam Lodge	Shut Off Location: Approximately 4' East of Hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 90 PSI	Residual Pres w/2.5" F.O.: 45 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒
Pitot Pressure: 29 PSI	Calculated Flow: 908 GPM		

REPAIRS (Replacing O-rings, Gaskets, Caps Missing, Valve Rubber, Internal Components):

NA

COMMENTS & RECOMMENDATIONS (Painting, Replacing Internal Components)

The Fire Hydrants at this location have been inspected and were found to be in a suitable condition for regular service on July 15, 2024. Sprouse Fire and Safety Corp assumes no further liability.



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FIRE HYDRANT INSPECTION REPORT

DATE: 15-Jul-2025

CUSTOMER BUILDING ADDRESS: Fernie Alpine Resorts c/o Resorts of the Canadian Rockies

DESCRIPTION OF SYSTEM (No. of Hydrants, Manufacturer, Hydrant Type, Layout):

22). McAvity M67 Brigadier (2017). 24). McAvity M67B (2017)

23). McAvity M67B (2000)

Hydrant List:

No. 22	Location:	Corner of ski hill road and resort drive	Shut Off Location:	Unknown
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒	
Static Pressure:	95 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒	
Residual Pres w/2.5" F.O.:	40 PSI			
Pitot Pressure:	24 PSI			
Calculated Flow:	826 GPM			
No. 23	Location:	North of 5420 Timber Landing	Shut Off Location:	Approximately 10' S of Hydrant
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒	
Static Pressure:	75 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒	
Residual Pres w/2.5" F.O.:	55 PSI			
Pitot Pressure:	44 PSI			
Calculated Flow:	1119 GPM			
No. 24	Location:	Timber landing at Cul de Sac	Shut Off Location:	Approximately 10' S of Hydrant
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒	
Static Pressure:	70 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒	
Residual Pres w/2.5" F.O.:	60 PSI			
Pitot Pressure:	46 PSI			
Calculated Flow:	1144 GPM			

REPAIRS (Replacing O-rings, Gaskets, Caps Missing, Valve Rubber, Internal Components):

NA

COMMENTS & RECOMMENDATIONS (Painting, Replacing Internal Components)

The Fire Hydrants at this location have been inspected and were found to be in a suitable condition for regular service on July 15, 2024. Sprouse Fire and Safety Corp assumes no further liability.



SPROUSE FIRE & SAFETY

Unit #38, 5329 – 72 Ave. SE, Calgary, Alberta T2C 3C4
Phone: (403) 265-3891 Fax: (403) 237-7861

FIRE HYDRANT INSPECTION REPORT

DATE: 16-Jul-2025

CUSTOMER BUILDING ADDRESS: Fernie Alpine Resorts c/o Resorts of the Canadian Rockies.

DESCRIPTION OF SYSTEM (No. of Hydrants, Manufacturer, Hydrant Type, Layout):

25) McAvity M67B (2017). 26) McAvity Brigadier (2021)

27) McAvity Brigadier (2021)

Hydrant List:

No. 25	Location:	Entrance to Timber Land Estates			Shut Off Location: Approximately 10' S of Hydrant		
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒				
Static Pressure:	118 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒				
Residual Pres w/2.5" F.O.:	85 PSI						
Pitot Pressure:	51 PSI						
Calculated Flow:	1206 GPM						
No. 26	Location:	Right of the Elk river homes sign			Shut Off Location: 20' North of hydrant		
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☒ Ok ☐ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒				
Static Pressure:	110 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒				
Residual Pres w/2.5" F.O.:	100 PSI						
Pitot Pressure:	45 PSI						
Calculated Flow:	1131 GPM						
No. 27	Location:	Elk river lot 37			Shut Off Location: 15' NW of hydrant		
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☒ Ok ☐ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒				
Static Pressure:	110 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒				
Residual Pres w/2.5" F.O.:	75 PSI						
Pitot Pressure:	50 PSI						
Calculated Flow:	1193 GPM						

REPAIRS (Replacing O-rings, Gaskets, Caps Missing, Valve Rubber, Internal Components):

N/A

COMMENTS & RECOMMENDATIONS (Painting, Replacing Internal Components)

These Fire Hydrants are in a suitable condition for regular service as tested on July 16, 2025

Sprouse Fire and Safety Corp assumes no further liability.



SPROUSE FIRE & SAFETY

Unit #38, 5329 – 72 Ave. SE, Calgary, Alberta T2C 3C4
Phone: (403) 265-3891 Fax: (403) 237-7861

FIRE HYDRANT INSPECTION REPORT

DATE: 16-Jul-2025

CUSTOMER BUILDING ADDRESS: Fernie Alpine Resorts c/o Resorts of the Canadian Rockies.

DESCRIPTION OF SYSTEM (No. of Hydrants, Manufacturer, Hydrant Type, Layout):

28) McAvity M93B (2023)

29) McAvity M93B(2023)

Hydrant List:

No. 28	Location: Alpine way lot 18	Shut Off Location: 30' North of hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 120 PSI	Residual Pres w/2.5" F.O.: 85 PSI	Hydrant Operation Turns to Open 19 Turns to Close 19	Inspect Main Gate/Valve Box Turns to Open 19 Turns to Close 19 Valve box holding ☒
Pitot Pressure: 47 PSI	Calculated Flow: 1156 GPM		
No. 29	Location: Alpine way lot 24	Shut Off Location: 30' North of hydrant	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☒	Visual Under Pressure Leaks ☐ Ok ☒ Lubricate Nozzle Caps YES ☒ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☒	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☒
Static Pressure: 130 PSI	Residual Pres w/2.5" F.O.: 90 PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☒	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☒
Pitot Pressure: 49 PSI	Calculated Flow: 1181 GPM		
No.	Location:	Shut Off Location:	
Visual Inspection Paint Required ☐ Rusting ☐ Leaks ☐ Ok ☐	Visual Under Pressure Leaks ☐ Ok ☐ Lubricate Nozzle Caps YES ☐ NO ☐	Inspection Under Bonnet Damage ☐ Rusting ☐ Leaks ☐ Ok ☐	Correct Drainage/Vacuum Unacceptable ☐ Poor ☐ Ok ☐
Static Pressure: PSI	Residual Pres w/2.5" F.O.: PSI	Inspect Packing/ Hold down Plate Replace Packing ☐ OK ☐	Inspect Main Gate/Valve Seat Gasket Torn ☐ Seat Scored ☐ OK ☐
Pitot Pressure: PSI	Calculated Flow: GPM		

REPAIRS (Replacing O-rings, Gaskets, Caps Missing, Valve Rubber, Internal Components):

None

COMMENTS & RECOMMENDATIONS (Painting, Replacing Internal Components)

All 29 Hydrants are in a suitable condition for regular service as tested on July 14,15 and 16

CERTIFICATE OF ANALYSIS

Work Order	: CG2516310		
Client	: Fernie Alpine Resort Utilities Corporation	Laboratory	: ALS Environmental - Calgary
Contact	: Patrick Majer	Account Manager	: Patryk Wojciak
Address	: 1505 - 17TH AVENUE SW Calgary Alberta Canada T2T 0E2	Address	: 2559 29th Street NE Calgary AB Canada T1Y 7B5
Telephone	: 403 254 7669	E-mail	: patryk.wojciak@alsglobal.com
Project	: ----	Telephone	: +1 403 407 1800
PO	: ----	Date Samples Received	: 06-Nov-2025 08:50
C-O-C number	: ----	Date Analysis Commenced	: 06-Nov-2025
Sampler	: Claudia Heinrich	Issue Date	: 14-Nov-2025 13:44
Site	: ----		
Quote number	: CG21-FARU100-0002		
No. of samples received	: 1		
No. of samples analysed	: 1		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

<i>Signatories</i>	<i>Position</i>	<i>Laboratory Department</i>
Elke Tabora	Lab Analyst	Inorganics, Calgary, Alberta
George Huang	Supervisor - Inorganic	Metals, Calgary, Alberta
Hannah Phung	Lab Assistant	Inorganics, Calgary, Alberta
Harpreet Chawla	Team Leader - Inorganics	Inorganics, Calgary, Alberta
Harpreet Chawla	Team Leader - Inorganics	Microbiology, Calgary, Alberta
Harpreet Chawla	Team Leader - Inorganics	Metals, Calgary, Alberta
Katarzyna Glinka	Analyst	Inorganics, Calgary, Alberta
Shirley Li	Team Leader - Inorganics	Inorganics, Calgary, Alberta
Shirley Li	Team Leader - Inorganics	Metals, Calgary, Alberta
Sunil Palak	Lab Analyst	Microbiology, Calgary, Alberta
Walt Kippenhuck	Supervisor - Inorganic	Inorganics, Waterloo, Ontario

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key: CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances.
LOR: Limit of Reporting (detection limit).

Unit	Description
-	no units
% T/cm	% transmittance per centimetre
°C	degrees celsius
AU/cm	absorbance units per centimetre
CU	colour units (1 cu = 1 mg/l pt)
mg/L	milligrams per litre
MPN/100mL	most probable number per hundred millilitres
NTU	nephelometric turbidity units
pH units	pH units
µS/cm	microsiemens per centimetre

<: less than.

>: greater than.

Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Qualifiers

Qualifier	Description
RRV	Reported result verified by repeat analysis.



Analytical Results

Sub-Matrix: Water

(Matrix: Water)

Client sample ID					Well #1 Raw				
Client sampling date / time					05-Nov-2025 10:15				
Analyte	CAS Number	Method/Lab	LOR	Unit	CG2516310-001				
					Result				
Physical Tests									
Absorbance, UV (@ 254nm)	----	E404/CG	0.0050	AU/cm	0.0110	----	----	----	----
Alkalinity, total (as CaCO3)	----	E290/CG	1.0	mg/L	239	----	----	----	----
Colour, true	----	E329/CG	5.0	CU	<5.0	----	----	----	----
Conductivity	----	E100/CG	2.0	µS/cm	518	----	----	----	----
Hardness (as CaCO3), from total Ca/Mg	----	EC100A/CG	0.50	mg/L	249	----	----	----	----
Langelier index (@ 4°C)	----	EC105A/CG	0.010	-	0.419	----	----	----	----
pH	----	E108/CG	0.10	pH units	7.84	----	----	----	----
Solids, total dissolved [TDS]	----	E162/CG	10	mg/L	318	----	----	----	----
Temperature, sample	----	E218/CG	0.10	°C	21.4	----	----	----	----
Turbidity	----	E121/CG	0.10	NTU	4.34	----	----	----	----
Transmittance, UV (@ 254nm)	----	E404/CG	1.0	% T/cm	97.5	----	----	----	----
Anions and Nutrients									
Chloride	16887-00-6	E235.Cl-L/CG	0.10	mg/L	25.1	----	----	----	----
Fluoride	16984-48-8	E235.F/CG	0.020	mg/L	0.118	----	----	----	----
Nitrate (as N)	14797-55-8	E235.NO3-L/CG	0.0050	mg/L	0.242	----	----	----	----
Nitrite (as N)	14797-65-0	E235.NO2-L/CG	0.0010	mg/L	<0.0010	----	----	----	----
Nitrogen, total organic	----	EC363/CG	0.050	mg/L	<0.056	----	----	----	----
Phosphorus, total	7723-14-0	E372-U/CG	0.0020	mg/L	0.0154	----	----	----	----
Sulfate (as SO4)	14808-79-8	E235.SO4-L/CG	0.050	mg/L	14.5	----	----	----	----
Ammonia, total (as N)	7664-41-7	E298/CG	0.0050	mg/L	0.0274	----	----	----	----
Nitrate + Nitrite (as N)	----	EC235.N+N/CG	0.0050	mg/L	0.242	----	----	----	----



Analytical Results

Sub-Matrix: Water

(Matrix: Water)

					Client sample ID	Well #1 Raw				
					Client sampling date / time	05-Nov-2025 10:15				
Analyte	CAS Number	Method/Lab	LOR	Unit	CG2516310-001					
					Result					
Anions and Nutrients										
Kjeldahl nitrogen, total [TKN]	----	E318/CG	0.050	mg/L	<0.050					
Cyanides										
Cyanide, strong acid dissociable (Total)	----	E333/WT	0.0020	mg/L	<0.0020					
Organic / Inorganic Carbon										
Carbon, total organic [TOC]	----	E355-L/CG	0.50	mg/L	<0.50					
Microbiological Tests										
Coliforms, total	----	E010/CG	1	MPN/100 mL	2					
Heterotrophic plate count [HPC]	----	E010.HPC/CG	1	MPN/100 mL	435					
Coliforms, Escherichia coli [E. coli]	----	E010/CG	1	MPN/100 mL	<1					
Total Metals										
Aluminum, total	7429-90-5	E420/CG	0.0030	mg/L	0.133					
Antimony, total	7440-36-0	E420/CG	0.00010	mg/L	<0.00010					
Arsenic, total	7440-38-2	E420/CG	0.00010	mg/L	0.00021					
Barium, total	7440-39-3	E420/CG	0.00010	mg/L	0.125					
Boron, total	7440-42-8	E420/CG	0.010	mg/L	0.013					
Cadmium, total	7440-43-9	E420/CG	0.0000050	mg/L	0.0000295					
Calcium, total	7440-70-2	E420/CG	0.050	mg/L	75.5					
Chromium, total	7440-47-3	E420/CG	0.00050	mg/L	<0.00050					
Copper, total	7440-50-8	E420/CG	0.00050	mg/L	0.00226					
Iron, total	7439-89-6	E420/CG	0.010	mg/L	0.156					
Lead, total	7439-92-1	E420/CG	0.000050	mg/L	0.000137					



Analytical Results

Sub-Matrix: Water
 (Matrix: Water)

					Client sample ID	Well #1 Raw				
					Client sampling date / time	05-Nov-2025 10:15				
Analyte	CAS Number	Method/Lab	LOR	Unit	CG2516310-001					
					Result					
Total Metals										
Magnesium, total	7439-95-4	E420/CG	0.0050	mg/L	14.8					
Manganese, total	7439-96-5	E420/CG	0.00010	mg/L	0.0435					
Mercury, total	7439-97-6	E508/CG	0.0000050	mg/L	0.0000060 RRV					
Molybdenum, total	7439-98-7	E420/CG	0.000050	mg/L	0.000748					
Potassium, total	7440-09-7	E420/CG	0.050	mg/L	0.916					
Selenium, total	7782-49-2	E420/CG	0.000050	mg/L	0.000391					
Sodium, total	7440-23-5	E420/CG	0.050	mg/L	14.5					
Strontium, total	7440-24-6	E420/CG	0.00020	mg/L	0.196					
Uranium, total	7440-61-1	E420/CG	0.000010	mg/L	0.000570					
Zinc, total	7440-66-6	E420/CG	0.0030	mg/L	<0.0030					

Please refer to the General Comments section for an explanation of any qualifiers detected.