



BRIDGER ANALYTICAL LAB

7539 Pioneer Way Suite B, Bozeman, MT 59718 Phone: (406) 582-0822
US EPA ID# MT00953 MT Certification Number CERT0094

Four Corners County Water & Sewer District
495 Quail Run Road
Bozeman, MT 59718

Reported:

01/31/2022 09:35

Project Name: Elk Grove Well Jan 2022 Well Testing

Client Sample ID: Elk Grove Booster

Collection Date: 01/25/2022 12:30

Lab Sample ID: 2201357-01

Collected By: Christine Maday

Date Received: 01/25/2022

Analyte	Result	Units	RL	Qual	MCL	Method	Analysis Date/By
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Inorganic

Alkalinity, Total as CaCO3	185	mg/L	10.00			SM 2320 B	01/26/22 11:43/KPM
Calcium	66.9	mg/L	0.50			ASTM D6919-09	01/25/22 21:50/FAF
Chloride	3.55	mg/L	0.15		250	EPA 300.1	01/25/22 21:06/FAF
Conductivity	423	uS/cm	0.10			SM 2510 B	01/25/22 16:45/KPM
Hardness	190	mg/L	10.00	H-3		SM 2340 C	01/29/22 10:10/ZZZ
Lithium	ND	mg/L	0.07			ASTM D6919-09	01/25/22 21:50/FAF
Magnesium	15.5	mg/L	0.20			ASTM D6919-09	01/25/22 21:50/FAF
pH	7.79	S.U.	0.10			SM 4500-H+B	01/25/22 16:45/KPM
Phosphate as P	ND	mg/L	0.07			EPA 300.1	01/25/22 21:06/FAF
Potassium	2.66	mg/L	0.50			ASTM D6919-09	01/25/22 21:50/FAF
Sodium	4.75	mg/L	0.20			ASTM D6919-09	01/25/22 21:50/FAF
Sulfate	14.4	mg/L	0.10		250	EPA 300.1	01/25/22 21:06/FAF



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Notes and Definitions

Item	Definition
H-3	Over 180 mg/L of total hardness as calcium carbonate is considered very hard water by the Water Quality Association.
cfu	Colony Forming Unit
MCL	Maximum Contaminant Level
mg/L	milligrams per liter (ppm)
mL	milliliter
MPN	Most Probable Number
ND	Not Detected
NTU	Nephelometric Turbidity Units
ppb	parts per billion ($\mu\text{g/L}$)
ppm	parts per million (mg/L)
RL	Reporting Limit
S.U.	Standard Units
$\mu\text{g/L}$	micrograms per liter (ppb)
$\mu\text{S/cm}$	microsiemens per centimeter