



# 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:**  
03/17/2023 10:30

**Project Name: Elk Grove Well March 2023 Mineral Content**

**Client Sample ID: Elk Grove Booster**

**Collection Date: 03/10/2023 11:00**

**Lab Sample ID: 2303174-01**

**Collected By: Louie Cevasco**

Date Received: 03/10/2023

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

Alkalinity, Total as CaCO3	189	mg/L	10.00			SM 2320 B	03/14/23 12:52/ARE
Calcium	63.6	mg/L	0.20			ASTM D6919-09	03/16/23 16:10/DJA
Chloride	4.03	mg/L	0.25		250	EPA 300.1	03/10/23 17:32/FAF
Conductivity	425	uS/cm	0.10			SM 2510 B	03/10/23 13:22/ARE
Hardness	215	mg/L	10.00	H-3		SM 2340 C	03/13/23 11:10/ARE
Lithium	ND	mg/L	0.02			ASTM D6919-09	03/16/23 16:10/DJA
Magnesium	14.7	mg/L	0.05			ASTM D6919-09	03/16/23 16:10/DJA
pH	7.62	S.U.	0.10			SM 4500-H+B	03/10/23 13:22/ARE
Phosphate as P	ND	mg/L	0.05			EPA 300.1	03/10/23 17:32/FAF
Potassium	2.52	mg/L	0.35			ASTM D6919-09	03/16/23 16:10/DJA
Sodium	4.50	mg/L	0.20			ASTM D6919-09	03/16/23 16:10/DJA
Sulfate	15.8	mg/L	0.07		250	EPA 300.1	03/10/23 17:32/FAF



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## Notes and Definitions

<b>Item</b>	<b>Definition</b>
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