



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:

01/12/2021 11:54

Project Name: Elk Grove Well Jan 2021 Testing

Client Sample ID: Elk Grove Booster

Collection Date: 01/06/2021 11:00

Lab Sample ID: 2101051-01

Collected By: Christine Maday

Date Received: 01/06/2021

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

Alkalinity, Total as CaCO3	179	mg/L	10.00			SM 2320 B	01/08/21 13:32/DSL
Calcium	61.9	mg/L	0.50			ASTM D6919-09	01/08/21 17:27/FAF
Chloride	4.38	mg/L	0.15		250	EPA 300.1	01/07/21 20:36/FAF
Conductivity	416	uS/cm	0.10			SM 2510 B	01/08/21 12:12/DSL
Hardness	205	mg/L	10.00	H-3		SM 2340 C	01/11/21 17:23/DSL
Iron, Total	0.02	mg/L	0.02			HACH 8008	01/11/21 15:20/DSL
Lithium	ND	mg/L	0.07			ASTM D6919-09	01/08/21 17:27/FAF
Magnesium	14.2	mg/L	0.20			ASTM D6919-09	01/08/21 17:27/FAF
pH	7.86	S.U.	0.10			SM 4500-H+B	01/08/21 12:12/DSL
Phosphate as P	ND	mg/L	0.07			EPA 300.1	01/07/21 20:36/FAF
Potassium	4.09	mg/L	0.50			ASTM D6919-09	01/08/21 17:27/FAF
Sodium	4.67	mg/L	0.20			ASTM D6919-09	01/08/21 17:27/FAF
Sulfate	13.9	mg/L	0.10		250	EPA 300.1	01/07/21 20:36/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