

North Dakota Department of Health
Division of Laboratory Services - Chemistry

Original Report Date: 3/ 4/13

Report Date: 3/ 4/13

Log Number: 13-N49

Date Collected: 2/ 5/13

Date Received: 2/ 6/13

Time Collected: 10:30

Time Received: 10:34

Township:

Range:

Section:

Owner: GREATER RAMSEY WATER

Source: CA-1

Project:

Comments: STEVE MARTINSON: SAMPLER

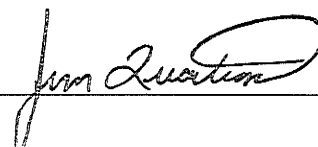
GREATER RAMSEY WATER DIST

RAMSEY CO WATER MNGT BRD

PO BOX 1257

DEVILS LAKE ND 58301

Approved by: _____



Inorganic

Chemical Analysis of Sample

Analyte	Result	Units	Evaluation
Conductivity	646.	umhos/cm	
Dissolved Solids(C)-Total	407.	mg/L	Fairly Low
Hardness Total (as CaCO3)	206.	mg/L	Satisfactory
Alkalinity (CaCO3)(Total)	39.5	mg/L	Low
pH	8.44		
Iron (Fe)	0.055	mg/L	Satisfactory
Manganese (Mn)	< 0.01	mg/L	Satisfactory
Calcium (Ca)	44.4	mg/L	
Magnesium (Mg)	23.2	mg/L	
Sodium (Na)	54.7	mg/L	Fairly Low
Potassium (K)	7.6	mg/L	
Carbonate (CO3)	2.	mg/L	
Bicarbonate (HCO3)	43.	mg/L	
Sulfate as (SO4)	222.	mg/L	Satisfactory
Chloride	30.8	mg/L	Fairly Low
Fluoride (F)	0.81	mg/L	
Nitrate + Nitrite (N)	0.03	mg/L	Satisfactory
Silica (SiO2)	18.7	mg/L	
Hydroxide (OH)	< 1	mg/L	
Hardness (Total)	12.	gr/gal	
Turbidity	< 1	NTU	
Percent Sodium	35.4	%	
Sodium Adsorption Ratio	1.66		

This water is classified C2-S1 for irrigation.
Contact your county agent for more information.