

North Dakota Department of Environmental Quality  
Division of Chemistry

Original Report Date: 5/17/21

Report Date: 5/23/21

Log Number: 21-N280

Date Collected: 5/ 4/21

Time Collected: 11:25

Township:

Section:

Source: Clearwell

Project:

Comments:

GREATER RAMSEY WATER DIST  
RAMSEY CO WATER MNGT BRD  
PO BOX 1257  
DEVILS LAKE ND 58301

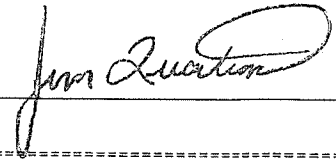
Date Received: 5/ 5/21

Time Received: 7:22

Range:

Owner: PWS 3601424

Approved by: \_\_\_\_\_



Inorganic

Chemical Analysis of Sample

| Analyte                                 | Result   | Units    |              |
|---|----------|----------|--------------|
| Conductivity                            | 674.     | umhos/cm |              |
| Dissolved Solids (C) - Total            | 382.     | mg/L     | Fairly Low   |
| Hardness Total (as CaCO <sub>3</sub> )  | 111.     | mg/L     | Fairly Low   |
| Alkalinity (CaCO <sub>3</sub> ) (Total) | 290.     | mg/L     | Satisfactory |
| pH                                      | 7.98     |          |              |
|   | Note: C1 |          |              |
| Iron (Fe)                               | < 0.05   | mg/L     | Satisfactory |
| Manganese (Mn)                          | 0.023    | mg/L     | Satisfactory |
| Calcium (Ca)                            | 27.3     | mg/L     |              |
| Magnesium (Mg)                          | 10.5     | mg/L     |              |
| Sodium (Na)                             | 100.     | mg/L     | Average      |
| Potassium (K)                           | 4.96     | mg/L     |              |
| Carbonate (CO <sub>3</sub> )            | < 1      | mg/L     |              |
| Bicarbonate (HCO <sub>3</sub> )         | 354.     | mg/L     |              |
| Sulfate as (SO <sub>4</sub> )           | 35.1     | mg/L     | Low          |
| Chloride                                | 27.1     | mg/L     | Fairly Low   |
| Nitrate + Nitrite (N)                   | 0.050    | mg/L     | Satisfactory |
| Silica (SiO <sub>2</sub> )              | 30.8     | mg/L     |              |
| Fluoride (F) (IC)                       | 0.783    | mg/L     |              |
| Hydroxide (OH)                          | < 1      | mg/L     |              |
| Temperature                             | 17.      | Deg C    |              |
| Delivery Time (hours)                   | 20.      | hrs      |              |
| Hardness (Total)                        | 7.       | gr/gal   |              |
| Turbidity                               | < 1      | NTU      |              |
| Percent Sodium                          | 64.8     | %        |              |
| Sodium Adsorption Ratio                 | 4.12     |          |              |

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If a result is noted with an alphanumeric code the result has been qualified as defined on the last page(s).  
Not all codes are applicable to all results.