

E. Scott & Patricia Hendricks
 P O Box 882915
 Steamboat Springs CO 80488

Date Received: 12/03/2003
 Date Reported: 12/16/2003

LAB # W915

DOMESTIC WATER ANALYSIS

SOURCE: Routt County Well

COLORADO STATE UNIVERSITY
 Soil, Water & Plant Testing Laboratory
 Room A319, NESB
 Fort Collins, CO 80523-1120
 Phone: 970-491-5061 / Fax: 970-491-2930

Billing:

"Routine Package"

	Results	Limit	Recommended
Conductivity	351	µmhos/cm (E.C. x 1,000,000)	
pH	7.3	6.5 to 8.5	
	mg/L	mg/L	
Calcium	64.0	N/A	
Magnesium	20.1	N/A	
Sodium	9.5	20	
Potassium	4.5	N/A	
Carbonate	<0.1	N/A	
Bicarbonate	242	N/A	
Chloride	15.1	250	
Sulfate	48.3	250	
Nitrate	1.1	45	
Nitrate-Nitrogen	0.2	10	
Total Alkalinity as CaCO ₃	198	400	
Total Hardness as CaCO ₃	242	300	grains per gallon
Total Dissolved Solids	405	500	14.1

"Metals" and "Individual Element" Analysis

	Results	Limit	Recommended
Boron	0.04	N/A	
Phosphorus	*	N/A	
Aluminum	*	0.05 to 0.2	
Iron	*	0.3	
Manganese	*	0.05	
Copper	*	1.3	
Zinc	*	5.0	
Nickel	*	0.1	
Molybdenum	*	N/A	
Cadmium	*	0.005	
Chromium	*	0.10	
Barium	*	2.0	
Ammonium	*	N/A	
Fluoride	*	4.0	
Arsenic	0.007	0.010	
Selenium	*	0.05	
Mercury	*	0.002	
Lead	*	0.015	

* Not requested

COMMENTS:

None of the parameters measured exceeds the EPA suggested limit for domestic use.

E. Scott & Patricia Hendricks
 P O Box 882915
 Steamboat Springs CO 80488

COLORADO STATE UNIVERSITY
Soil, Water & Plant Testing Laboratory
 Room A319, NESB
 Fort Collins, CO 80523-1120
 Phone: 970-491-5061 / Fax: 970-491-2930

Date Received: 12/03/2003
 Date Reported: 12/16/2003

Billing:

LAB # W915 L

SOURCE: Routt County Well

LIVESTOCK WATER ANALYSIS

"Routine Package"

Recommended

Conductivity	351	$\mu\text{mhos/cm}$ (E.C. x 1,000,000)	<i>Please see "Comments" section of report for salinity interpretation</i>
pH	7.3		

	mg/L	mg/L	Recommended Limit
Calcium	64.0	N/A	
Magnesium	20.1	N/A	
Sodium	9.5	N/A	5.0
Potassium	4.5	N/A	0.1
Carbonate	<0.1	N/A	0.01
Bicarbonate	242	N/A	0.5
Chloride	15.1	N/A	24.0
Sulfate	48.3	N/A	
Nitrate	1.1	443	
Nitrate-Nitrogen	0.2	100	
Total Alkalinity as CaCO ₃	198	N/A	
Total Hardness as CaCO ₃	242	N/A	0.007
		14.1	0.05
Total Dissolved Solids	405	10,000	0.01
			0.015

* Not requested

COMMENTS: This is good quality water for all classes of livestock and poultry.

E. Scott & Patricia Hendricks
 P O Box 882915
 Steamboat Springs CO 80488

COLORADO STATE UNIVERSITY
 Soil, Water & Plant Testing Laboratory
 Room A319, NESB
 Fort Collins, CO 80523-1120
 Phone: 970-491-5061 / Fax: 970-491-2930

Date Received: 12/03/2003
 Date Reported: 12/16/2003

Billing:

IRRIGATION WATER ANALYSIS

LAB # W915 I

SOURCE: Routt County Well

"Routine Package"

	Results	Results
Conductivity	351	µmhos/cm (E.C. x 1,000,000)
pH	7.3	

	mg/L	meq/L
Calcium	64.0	3.19
Magnesium	20.1	1.65
Sodium	9.5	0.41
Potassium	4.5	0.12
Carbonate	<0.1	<0.1
Bicarbonate	242.0	3.97
Chloride	15.1	0.43
Sulfate	48.3	1.01
Nitrate	1.1	0.02
Nitrate-Nitrogen	0.2	0.01
Boron	0.04	

Pounds of Sulfate
 per acre foot 43

Pounds of Nitrate
 per acre foot 0.675

SAR 0.3 Salinity Hazard Low

Sodium Hazard Low

COMMENTS: This is good quality water for irrigation.