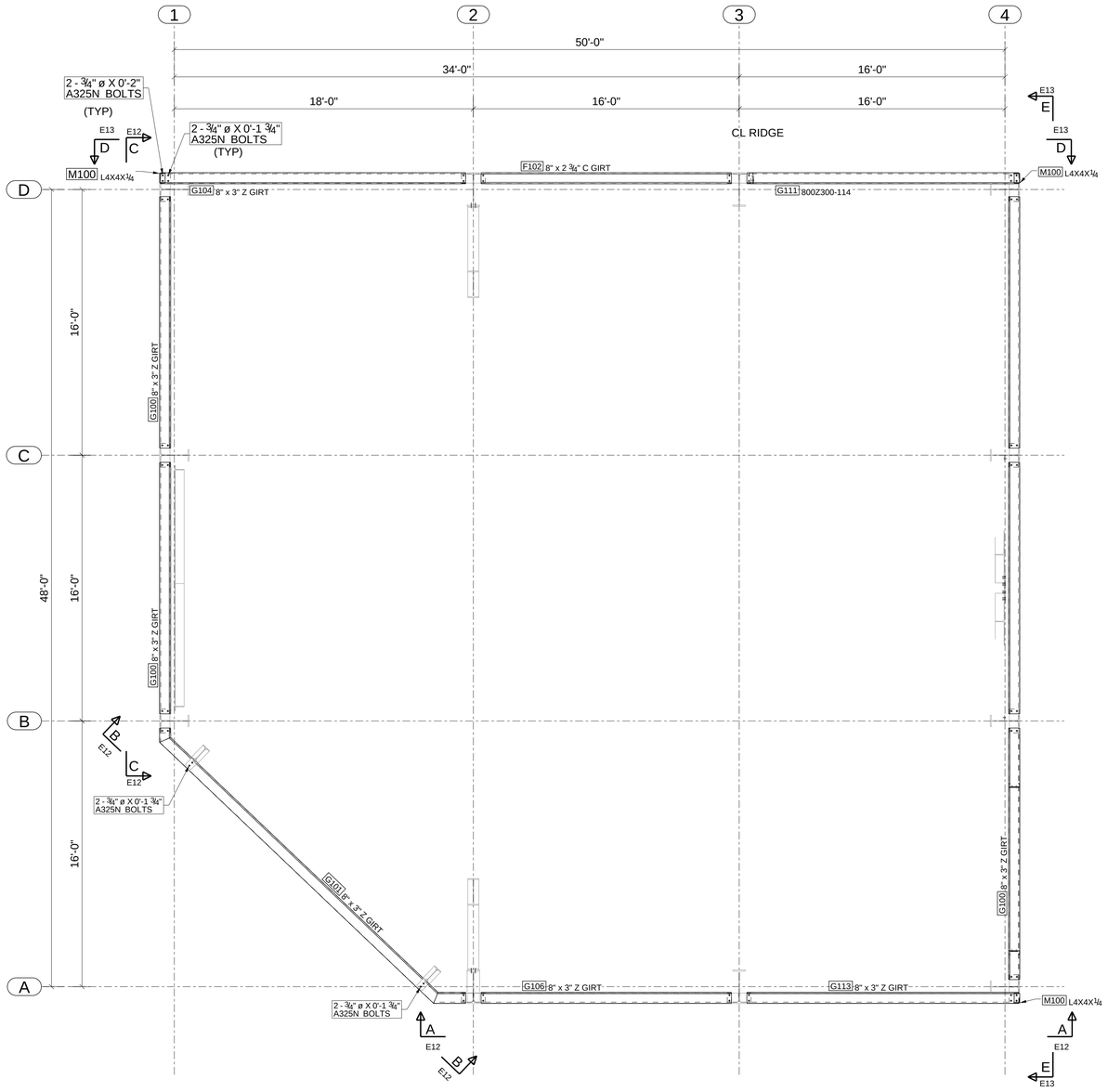
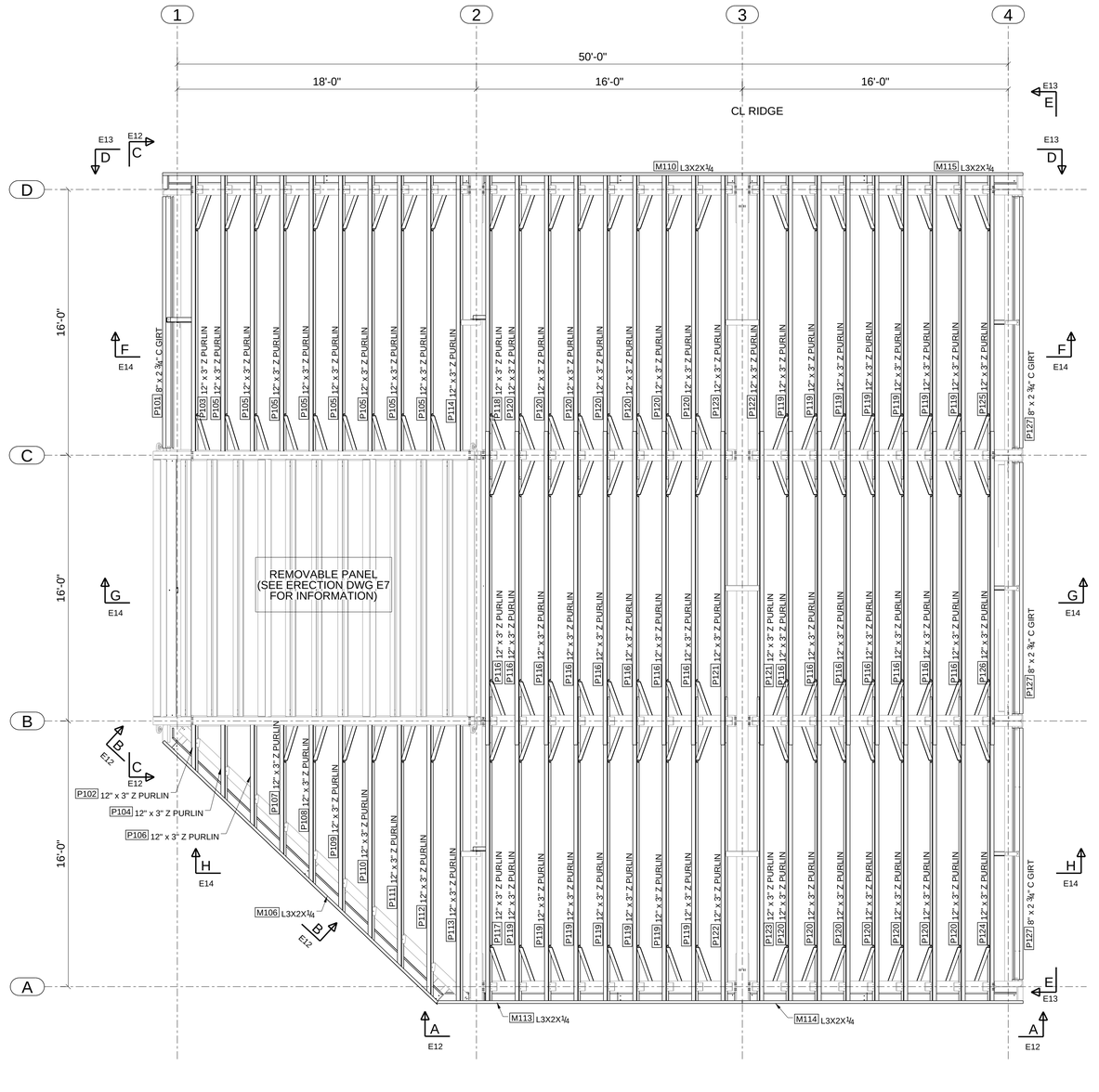


TANK SHED SIDE WALL GIRTS PLAN



TANK SHED ROOF PURLINS PLAN

NOTES:

1. WORK THIS DRAWING WITH ERECTION DWG E10, E12 TO E14.
2. ELEVATION INFORMATION SHOWN IN THIS DRAWING IS BASED FROM THE DIKE WALL DATUM POINT ELEVATION EL 0' AT THE WALL OPENING AND RAMP LOCATION.

LEGEND:

ASSEMBLY MARK (SEE ASSEMBLY DWG) — G106 — MAIN PART MEMBER SIZE — 8" x 3" Z GIRT

REV	DESCRIPTION	DATE
A	ISSUED FOR APPROVAL	10/15/2021

ELITE WELDING

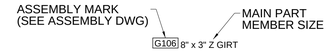
19911 HW 550
MONTROSE, CO 81403

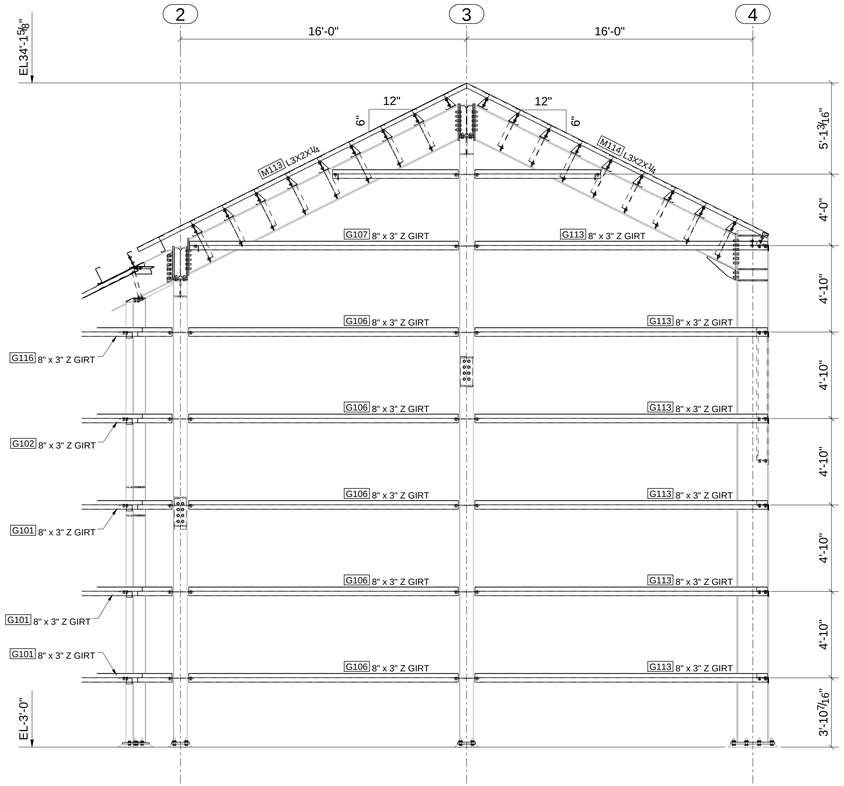
DESCRIPTION	TANK SHED -PURLINS & GIRTS PLAN		
PROJECT NAME	THICKENER TANK SHED		
DRAWN BY	EL	JOB No.	DRG No.
DATE DRAWN	10/13/2021	13	E11

NOTES:

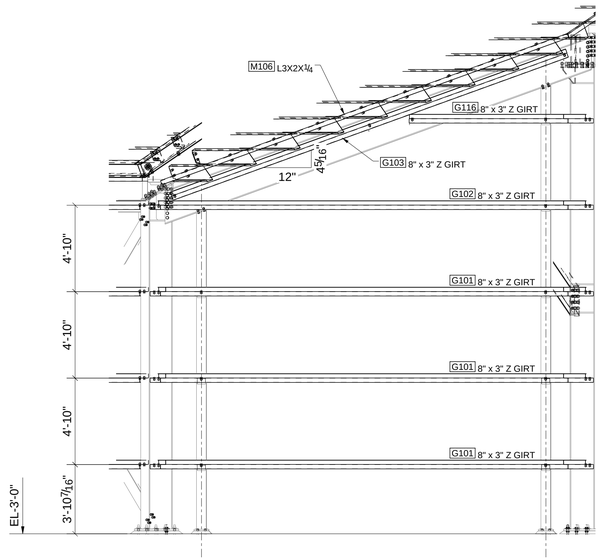
1. WORK THIS DRAWING WITH ERECTION DWG E10, E11, E13 TO E14.
2. ELEVATION INFORMATION SHOWN IN THIS DRAWING IS BASED FROM THE DIKE WALL DATUM POINT ELEVATION EL 0' AT THE WALL OPENING AND RAMP LOCATION.

LEGEND:





A - A
E11



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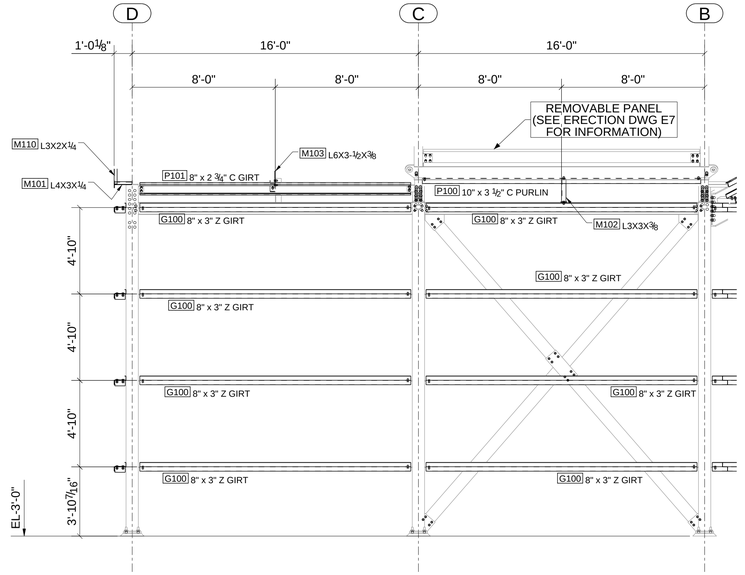
E11



C - C
E11

REV	DESCRIPTION	DATE
A	ISSUED FOR APPROVAL	10/15/2021

ELITE WELDING

19911 HW 550
MONTROSE, CO 81403

DESCRIPTION	TANK SHED -PURLINS & GIRTS SECTIONS (SHT 1 OF 3)		
PROJECT NAME	THICKENER TANK SHED		
DRAWN BY	EL	JOB No.	DRG No.
DATE DRAWN	10/13/2021	13	E12

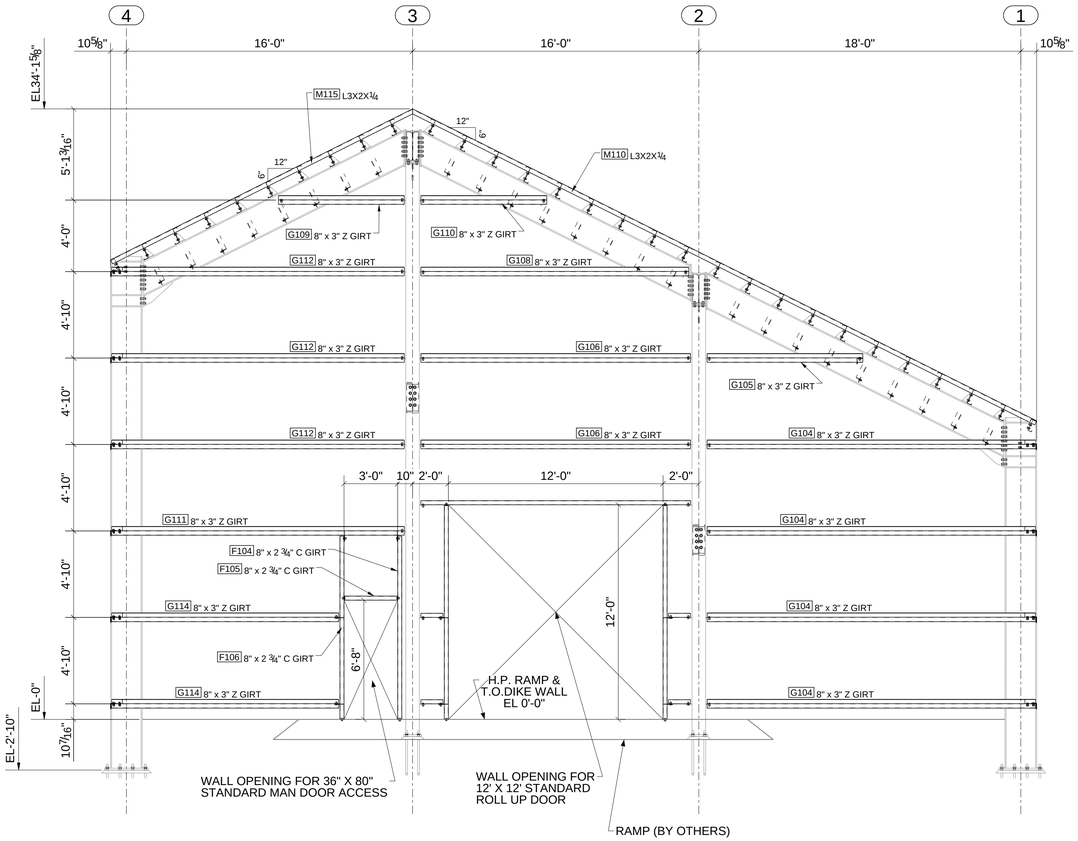
NOTES:

1. WORK THIS DRAWING WITH ERECTION DWG E10 TO E12 & E14.
2. ELEVATION INFORMATION SHOWN IN THIS DRAWING IS BASED FROM THE DIKE WALL DATUM POINT ELEVATION EL 0' AT THE WALL OPENING AND RAMP LOCATION.

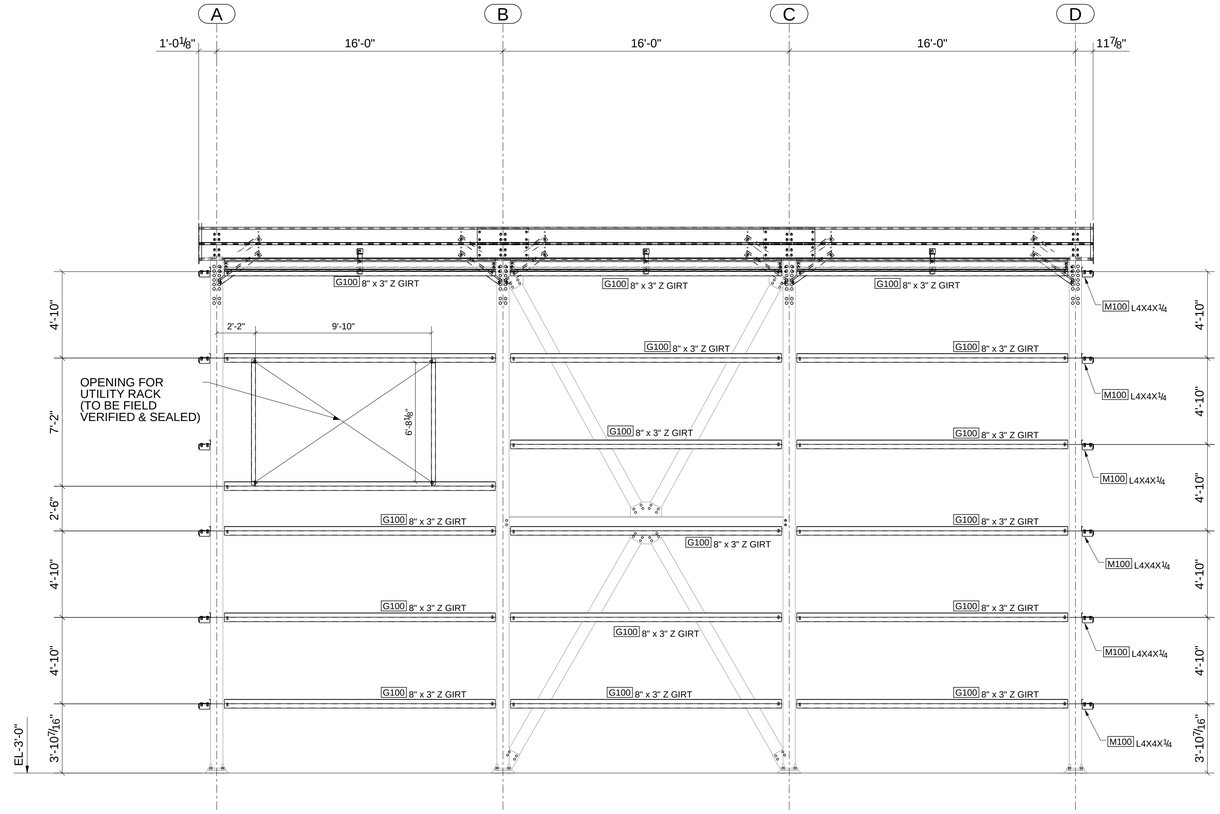
LEGEND:

ASSEMBLY MARK (SEE ASSEMBLY DWG) — MAIN PART MEMBER SIZE

G106 8" x 3" Z GIRT



D - D
E11



E - E
E11

REV	DESCRIPTION	DATE
A	ISSUED FOR APPROVAL	10/15/2021

ELITE WELDING

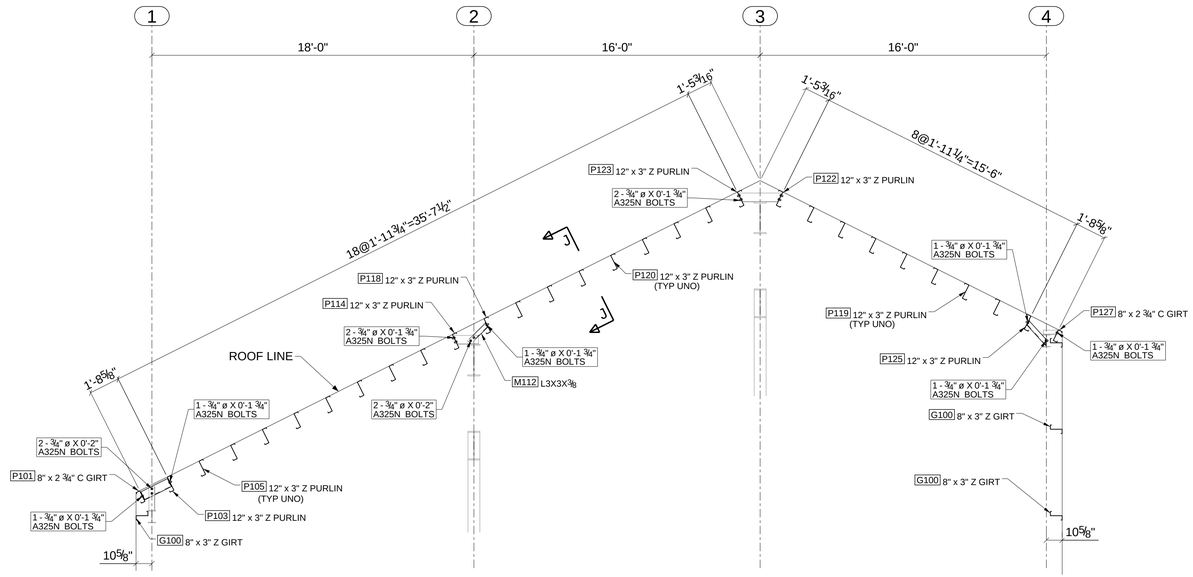
19911 HW 550
MONTROSE, CO 81403

DESCRIPTION	TANK SHED -PURLINS & GIRTS SECTIONS (SHT 2 OF 3)		
PROJECT NAME	THICKENER TANK SHED		
DRAWN BY	EL	JOB No.	DRG No.
DATE DRAWN	10/13/2021	13	E13

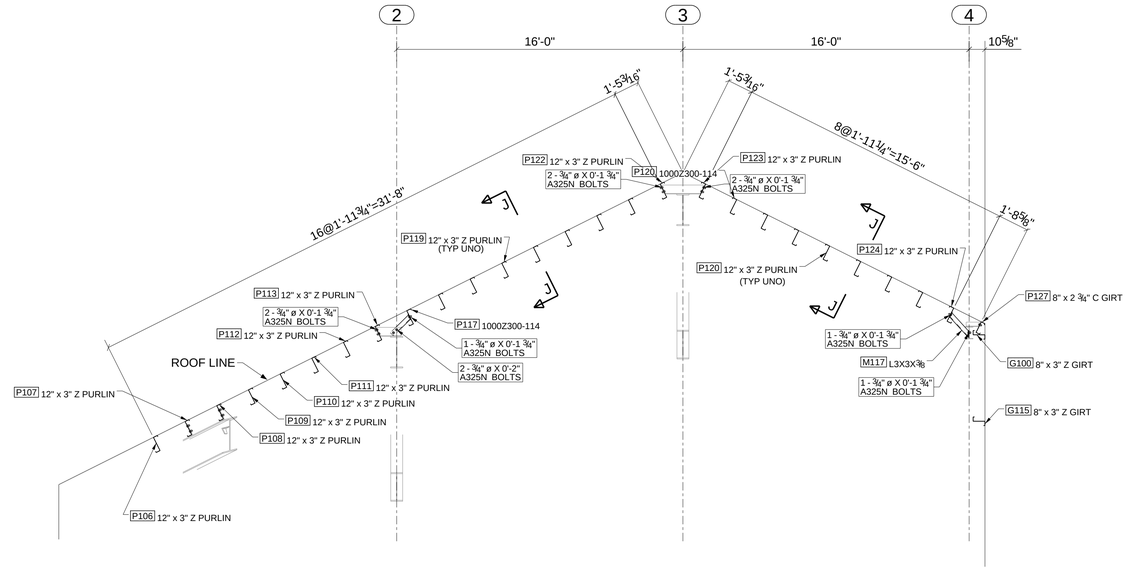
NOTES:

1. WORK THIS DRAWING WITH ERECTION DWG E10 TO E13.
2. ELEVATION INFORMATION SHOWN IN THIS DRAWING IS BASED FROM THE DIKE WALL DATUM POINT ELEVATION EL 0' AT THE WALL OPENING AND RAMP LOCATION.

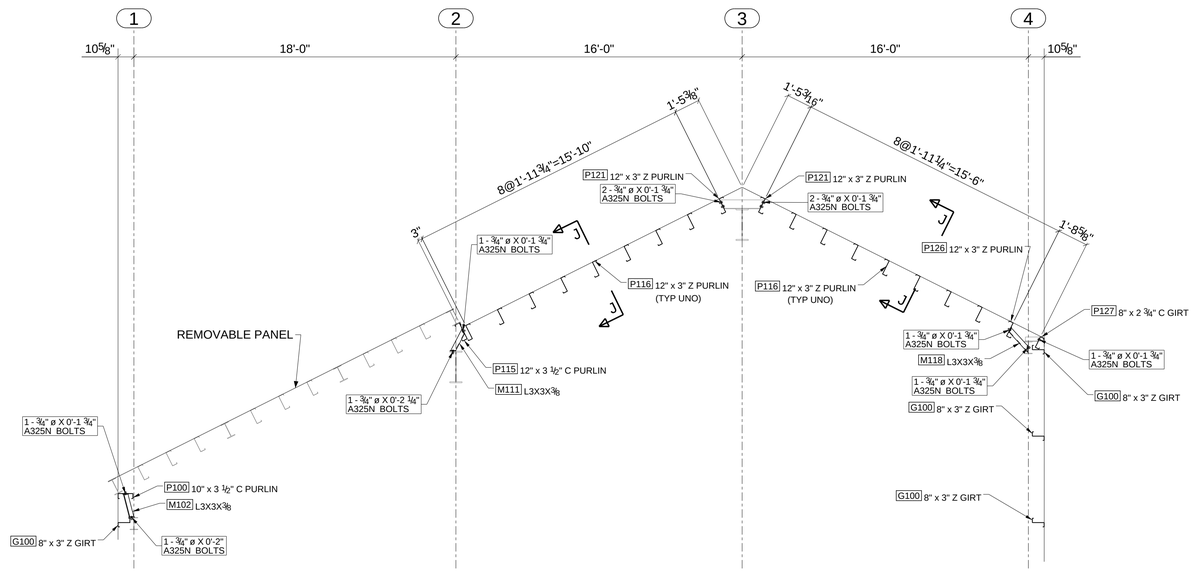
LEGEND:



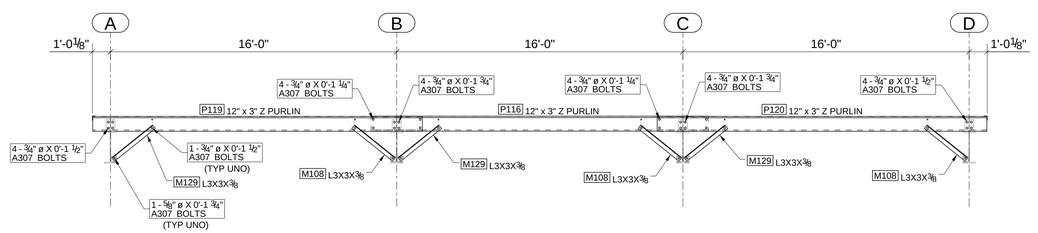
F - F
E11



H - H
E11



G - G
E11



J - J

A	ISSUED FOR APPROVAL		10/15/2021
REV	DESCRIPTION		DATE

ELITE WELDING

19911 HW 550
MONTROSE, CO 81403

DESCRIPTION	TANK SHED -PURLINS & GIRTS SECTIONS (SHT 3 OF 3)		
PROJECT NAME	THICKENER TANK SHED		
DRAWN BY	EL	JOB No.	DRG No.
DATE DRAWN	10/13/2021	13	E14

Attachment 7

Groundwater Standards and Supporting Documentation

COLORADO
Division of Reclamation, Mining and Safety
Department of Natural Resources

1313 Sherman Street, Room 215
Denver, CO 80203

April 15, 2015

Dianna Stoopnikoff
Fortune revenue Silver Mines, Inc.
PO Box 564
Ouray, CO 81427

Re: Revenue Mine, Permit M-2012-032, Division's Acceptance of "Proposed Standards for Future Groundwater Quality for Site Wells and Tailings Analysis"

Dear Ms. Stoopnikoff,

The Division has completed its review of the March 11, 2015 submittal from Fortune Revenue Silver Mines, Inc., entitled "Evaluation of Existing Groundwater System and Proposed Standards for Future Groundwater Quality for Site Wells and Tailings Analysis" (prepared by Greg Lewicki and Associates, PLLC).

The original evaluation document, dated October 9, 2014, has been revised by this updated submittal, dated March 11, 2015. This update contains some updated information and reflects the changes that were recommended in the Division's memos dated March 26, 2015 and December 2, 2014.

Therefore, the standards proposed in the March 11, 2015 submittal are acceptable.

If you have further questions, I may be reached by phone at 970-247-5193, or by email at: bob.oswald@state.co.us.

Sincerely,

Bob Oswald
Environmental Protection Specialist

Ec: Russ Means, DRMS Grand Junction
Tom Kaldenbach, DRMS Denver
Greg Lewicki, Greg Lewicki and Assoc.

(c:\15-04 docs\M2012032 GW & Tailings Stds Accepted/rco)

Ouray Silver Mines, Inc.
1900 Main St. Unit 1
PO Box 564
Ouray, CO 81427

OURAY SILVER MINES

RECEIVED

JUL 27 2021

DIVISION OF RECLAMATION
MINING & SAFETY

To: Colorado Division of Reclamation, Mining & Safety
1313 Sherman Street, Rm 215
Denver, CO 80203

From: Brian K. Briggs, P.E., Chief Executive Officer

Date: July 21, 2021

Subject: Q2 GW-3R exceedances for copper, lead, and silver DRMS 112(d) Mining Permit # M2012-032

Dear Mr. West,

Purewater Systems of Ridgway, Colorado performed second quarter groundwater sampling on June 17, 2021 at Ouray Silver Mine Inc.'s Revenue-Virginius under Division of mining reclamation and Safety 112(d) permit M2012-032. The results, received on July 14th, 2021, reveal copper, lead and silver above groundwater standards in well GW-3R as described in the bullet points below, all other locations and parameters were within groundwater standards.

- Copper in GW3R occurred at an estimated 0.0019 mg/L, above the detection-limit based standard of 0.0001 mg/l, but below the practical quantification limit.
- Lead in GW-3R occurred 0.146 mg/L, above the 0.044 mg/L standard
- Silver in GW-3R occurred at 0.0139 mg/L, above the 0.009 mg/L standard.

Monitoring well GW-3R was resampled yesterday, July 20th, 2021. It is believed that construction of the semi-passive treatment system and cessation of groundwater infiltration have perturbed the groundwater table leading to temporary increases in some metals.

Please do not hesitate to call me with concerns or questions at 970-325-9830.

Sincerely,

Brian K. Briggs PE
CEO, Ouray Silver Mines Inc.

Attachments:
ACZ Lab Report

Ouray Silver Mines, Inc.
1900 Main St. Unit 1
PO Box 564
Ouray, CO 81427

OURAY SILVER MINES

To: Colorado Division of Reclamation, Mining & Safety
1313 Sherman Street, Rm 215
Denver, CO 80203
From: Brian K. Briggs, P.E., Chief Executive Officer
Date: August 19, 2021
Subject: Q2 GW-3R Resampling results DRMS 112(d) Mining Permit # M2012-032

Dear Mr. West,

Purewater Systems of Ridgway, Colorado performed second quarter groundwater sampling on June 17, 2021 at Ouray Silver Mine Inc.'s Revenue-Virginius under Division of mining reclamation and Safety 112(d) permit M2012-032. The results, received on July 14th, 2021, reveal copper, lead and silver above groundwater standards in well GW-3R.

Monitoring well GW-3R was resampled on July 20th, 2021 by Purewater Systems, with all constituents meeting groundwater standards (see attached report). It is believed that construction of the passive treatment system and cessation of groundwater infiltration have perturbed the groundwater table leading to temporary increases in some metals or that a sampling error occurred resulting in the original sample not being filtered.

Please do not hesitate to call me with concerns or questions at 970-325-9830.

Sincerely,

Brian K. Briggs PE
CEO, Ouray Silver Mines Inc.

Attachments:
ACZ Lab Report L67252

Fortune Revenue Silver Mine

Evaluation of Existing Groundwater System and Proposed Standards for Future Groundwater Quality for Site Wells and Tailings Analysis

Fortune Revenue Silver Mines, Inc.

10/9/2014

Updated 3/11/15

Prepared By:

FORTUNE
REVENUE SILVER MINES, INC.

Greg Lewicki And Associates, PLLC
11541 Warrington Court
Parker, CO USA 80138
Phone (303) 346-5196 Fax: (303)-346-6934
E-Mail:info@lewicki.biz

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Chapter 1 - General Overview

History of Revenue/Virginius Mine

The Virginius workings were started in Governor Basin for the Virginius vein at an elevation of 12900 feet in 1878. After deepening of the workings, water was difficult to control so a water drainage tunnel was drilled from the current location of the Revenue mine area to intersect the Virginius vein, approximately 7600 feet from the Revenue portal. This tunnel was completed in 1893. Connection was made to the upper mine workings and water began draining out of the tunnel. The water flow varied from 200 gpm to 1000 gpm and this water continues to come out the tunnel, called the "Revenue portal" through the present day. The mine became active during various time periods during the 1900's and thus, over the past 20 years, discharge permits were issued and released. In 2011, Star Mine Operations initiated a drilling program and the decision was made to re-open the mine. Star Mine applied for mining permits and discharge permits in 2012 and these permits were granted.

Purpose of Report

The purpose of this document is to propose standards to insure no increased impact on groundwater occurs due to Revenue Mine activities. There is also a focus on assuring that mine activity does not have an increased impact on the health of Sneffels Creek, when applicable. These standards are expected to apply to future site well samples and tailings sample analysis (using SPLP tests). The standards proposed in this report are developed based upon historical water quality data as well as data recently collected from underground well samples taken on site.

Chapter 2 - Sampling Overview

Water sampling for the Revenue Mine operation occurred underground and on the surface for the DRMS exploration permit, which occurred in the 4th quarter of 2011, well before the discharge permit application. The first round of samples for the DRMS permit was taken in the fourth quarter of 2011. Since this date, sampling has occurred at minimum once every quarter. Water samples were tested with ICP for many chemical parameters such as metal concentrations, pH, conductivity, total dissolved solids (TDS), total suspended solids (TSS) and hardness. Originally, sampling began with four surface water samples and four underground samples. Since the first quarter of 2013, seven surface water samples and five underground samples have been collected. A map showing each surface and ground water sample location can be seen below in Figure 1.

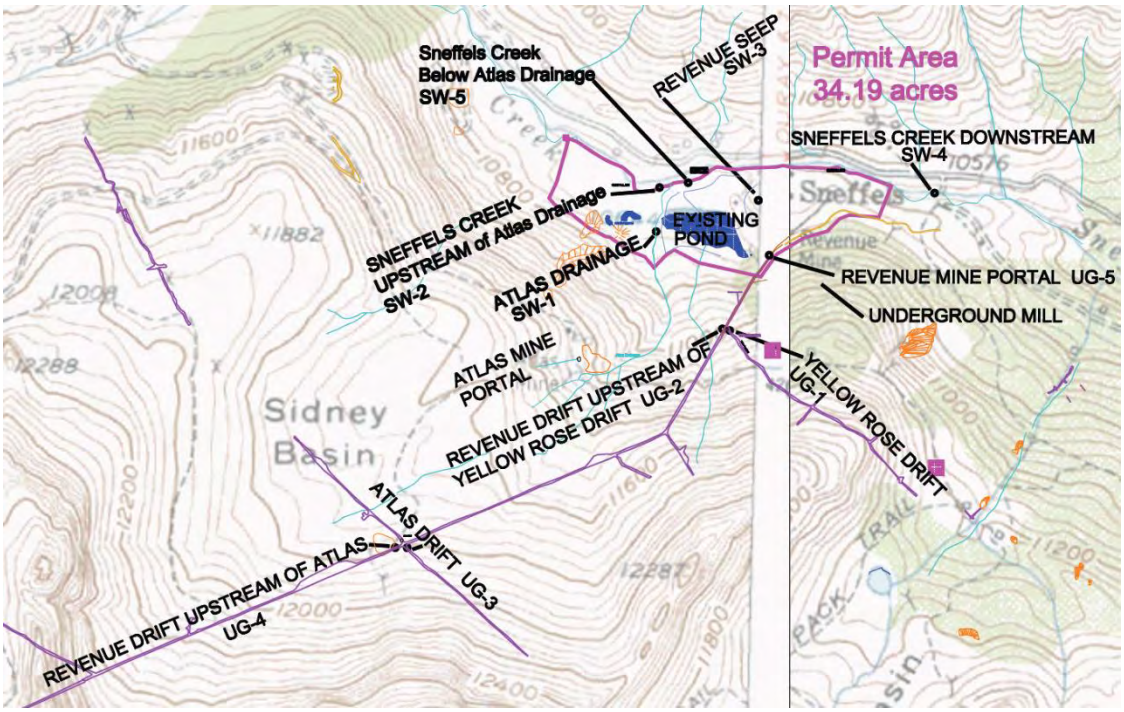


Figure 1: Map of Current Surface and Ground Water Sampling Locations

Chapter 3 - Groundwater Seep

Sample location SW-3 consists of a seep that is coming out of the ground at the low point of the mine area. Originally, we were of the opinion that the seep consisted mostly of mine water that was draining from the mine portal to a storage pond known as the Revenue Pond. Although this pond was drained between the first and second quarter of 2013, water persisted. Based on the comparison of contaminant concentration in the seep water before and after the pond was drained, there is evidence that the seep water changed once the pond was drained. A compilation of the ICP results for the seep can be located in Appendix A. A summary of this comparison is shown below in Figure 2.

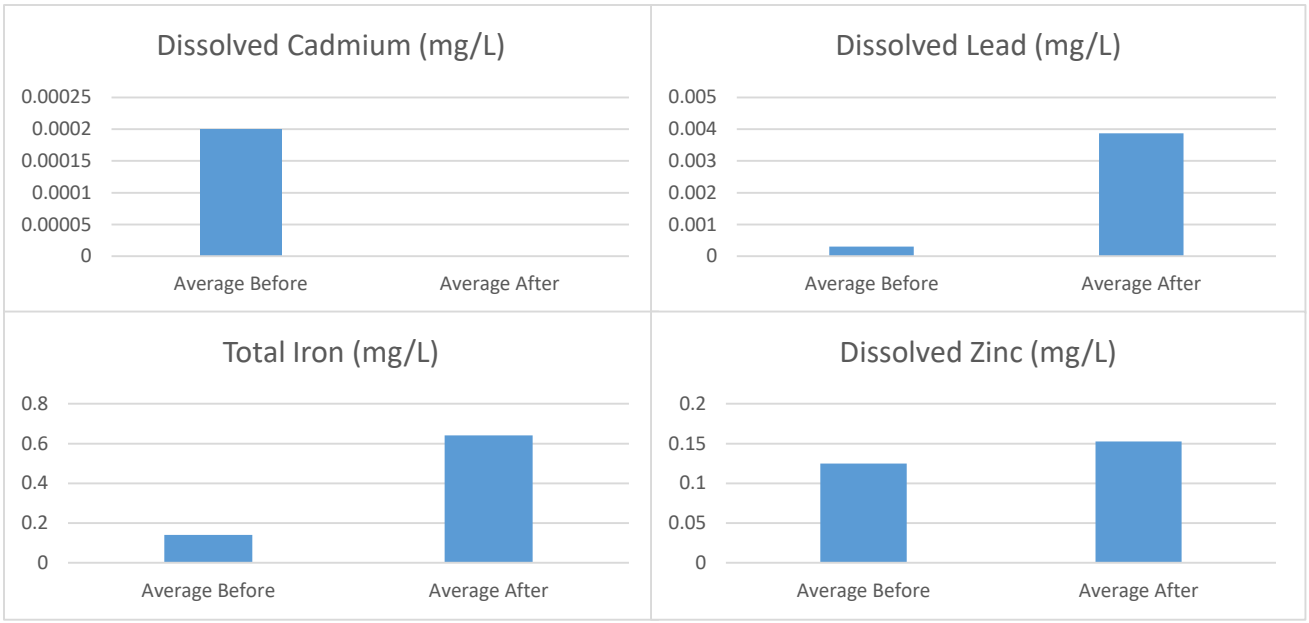


Figure 2: Comparison of Seep (SW-3) Before and After Mine Water Pond Drainage for Target Contaminants

The data demonstrates that there is a distinct difference between concentrations before and after the pond was drained. It is seen that iron, lead and zinc increased after the mine water pond was drained and the mine water was diverted around the pond and was discharged directly into Sneffels Creek. After the pond was drained, the water in the seep consisted of only a minor amount of excess mine water that did not fit in the diversion pipe, but also natural groundwater and water from the old waste piles. This indicates that the natural groundwater from the Revenue Pile is higher in iron, lead and zinc than the mine water but lower in cadmium. The seep data will be used in comparison with the results from the groundwater wells and is used to contribute to the proposed standards. This is important because there is a large amount of historical data available for the seep after the pond was drained - totaling 11 samples since June of 2013.

Chapter 4 - Groundwater Wells

In the early summer of 2014, three groundwater well locations were installed for monitoring near the Revenue Mine. The locations of each of the three well locations are shown below in Figure 3 and they were chosen to be downstream of the Revenue tailings pile and the Atlas tailings pile so that we could identify if any poor water was emanating from the piles or from any other activity upstream from the piles. During installation of these wells it was revealed that there were actually two distinct ground water levels at each location, a well was installed in both groundwater levels at each location. These are referred to as the shallow and deep wells at each location. There are 6 total well waters that are being sampled. The two water levels were separated by a clay type zone that was primarily impervious but there is no way to know if this clay zone is consistent over the entire permit area. These wells were sampled on June 10, 2014 at both shallow and deep depths. The wells were re-sampled on July 22, 2014, representing the baseline condition of the groundwater levels before any new tailings are placed at the mine site. Additional sampling occurred on December 4th, 2014 and February 13th, 2015. It must be noted that the areas above the GW-1 well site has some past contamination from the old Atlas tailings pile and the areas above wells GW-2 and GW-3 have contamination from the old Revenue waste rock pile, which also contains waste

of all types, including some old tailings. All of these materials have some metal sulfide minerals which were not extracted by the old mines.

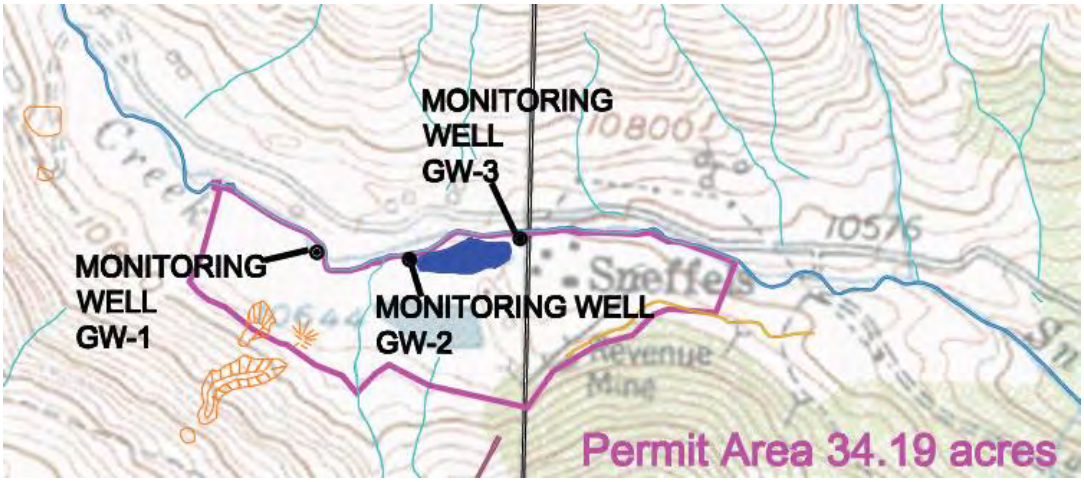


Figure 3: Map of Groundwater Well Locations

Chapter 5 - Data Comparison

Shallow and Deep Well Samples

An analysis was conducted to determine whether the water sampled from shallow and deep locations within each well were similar enough to take a representative average for each well. This analysis concluded that the shallow and deep well samples are, in fact, not similar enough for a representative average. The relative percent difference between the two well samples for each well was, on average, around 46%. This indicates that almost half of the parameters tested were significantly different between the shallow and deep well samples. This can be explained by the fact that the upper water zone could have more influence from the old waste rock or other materials that were left by the old mine over 100 years ago. There is also some similarity between the shallow and deep well samples. The data used in this analysis along with the corresponding relative percent difference calculations can be found in Appendix B.

Well Water and Surface Water Data

An analysis was conducted to determine whether the waters sampled from the shallow and deep locations within each well were similar to the nearest surface water. The purpose of this analysis was to conclude whether surface water was impacting any of the wells, and also whether there was a trend between a certain depth of well and surface water. Each well sample result was compared with the geographically closest surface water sample result. The surface water and well water samples were taken within 24 hours of each other to insure the data is comparable. The relative percent difference for each well and its corresponding surface water sample was calculated. For the June sample date, the average relative percent differences ranged from 51% to 98%. A similar result was found for the July sampling period with relative percent differences ranging from 40% to 71%. This indicates that the well samples were significantly independent of the surface water samples. This means that the well samples were likely measuring true groundwater that was seeping through the old piles and not the nearby

water from Sneffels Creek. This is a good result since the purpose of the wells is to measure the groundwater and not the water from Sneffels Creek. The data used in this analysis along with the corresponding relative percent difference calculations can be found in Appendix C.

Well Water and Seep Water Data

An analysis was conducted to determine whether the water sampled in the seep after the mine water pond was drained represented groundwater similarly when compared to the well water data. Although there was a significant change in the water composition after the mine water pond was drained, comparison of seep data and groundwater results from the well samples indicates that the seep does not entirely consist of groundwater, or the groundwater that is being measured is of variable quality. The relative percent difference between each well sample and an average value of concentrations in the seep water after the mine water pond was calculated. For the June sample date, this percent difference ranged from 49% to 65%. In the July sample date, the percent difference ranged from 47% to 74%. These large percent differences indicate that the seep water does not represent the previous condition when mine water was being delivered to the Revenue Pond and exiting to Sneffels Creek through the seep. It can also be assumed that the seep water may in part have another natural source such as runoff. Another possible explanation is that the seep water travels through different materials before appearing at the surface. For instance, if the water were to travel through historic mine material (waste rock, tailings, etc.) the water quality could be altered. When compared to the ground water sampled in the wells, which doesn't travel through such a path, the quality would be variable. The data used in this analysis along with the corresponding relative percent difference calculations can be found in Appendix D.

Because the seep data does not directly relate to the groundwater wells it would not be appropriate to apply to the development of standards for such water. However, despite the fact that it has been determined that the water in the seep is of differing quality than the water sampled in the wells, it should be noted that the data collected at the seep is still of significant value. More specifically, it provides a larger picture of groundwater interacting with various historic mine workings. It also provides additional quarters of sampling to accommodate for groundwater characterization. Due to the large amount of historical data present for the seep, it is suggested that the standard five quarters of data collection at the wells may not be necessary to fully characterize the baseline water quality.

Chapter 6 - Groundwater Representation

Explanation of Methodology

A representative value for the baseline groundwater for each parameter tested was determined by comparing the well sample results. When an average of the well values was taken for each parameter, one of the wells was always out of compliance with the representative groundwater level. Thus, the maximum level for each parameter was used to set the representative groundwater value. The complete ICP lab results for the groundwater well samples can be found in Appendix E. As allowed by DRMS, 25 percent was added to this value to determine the final representative groundwater standard value. This value represents the highest amount encountered in the baseline data and is more or less a worst case scenario, as the interaction between the shallow and deep wells cannot be fully estimated.

Representative Value

The representative groundwater values for each parameter are shown below in Table 1. Note that highlighted values in orange indicate that this number was set as the maximum representative value.

Table 1: Representative Groundwater Values

Parameters	Units	6/10/2014	7/22/2014	12/4/2014	2/13/2015	Max of Wells	Max of Wells +25%
		Max	Max	Max	Max		
pH	units	8.2	7.6	7.7	7.7	8.2	10.25
Conductivity @25C	umhos/cm	260	217	241	382	382	477.5
Aluminum, dissolved	mg/L	0.04	0	0	0.04	0.04	0.05
Aluminum, total	mg/L	4.22	5.12	N/A	1.48	5.12	6.4
Antimony, dissolved	mg/L	0.0027	0.0018	0.0017	0.0023	0.0027	0.003375
Arsenic, dissolved	mg/L	0.0027	0.0012	0.001	0.001	0.0027	0.003375
Barium, dissolved	mg/L	0.07	0.067	0.057	0.062	0.07	0.0875
Beryllium, dissolved	mg/L	0	0	0	0	0	0
Bicarbonate as CaCO3	mg/L	45	35.2	35.4	46.4	46.4	58
Boron, dissolved	mg/L	0	0.01	0	0.02	0.02	0.025
Cadmium, dissolved	mg/L	0	0	0.0007	0.001	0.001	0.00125
Cadmium, total	mg/L	0	0.0018	N/A	0.003	0.003	0.00375
Calcium, dissolved	mg/L	40.7	34.7	36.7	58.7	58.7	73.375
Carbonate as CaCO3	mg/L	0	0	0	0	0	0
Chloride	mg/L	1.6	0	0.8	1.2	1.6	2
Chromium, dissolved	mg/L	0.0008	0.0007	0	0	0.0008	0.001
Chromium, Trivalent Dissolved	mg/L	0	0	0	0	0	0
Copper, dissolved	mg/L	0.0043	0.0016	0.0015	0.0007	0.0043	0.005375
Copper, total	mg/L	0	0.04	N/A	0.01	0.04	0.05
Cyanide, total	mg/L	0	0	N/A	0	0	0
Cyanide, WAD	mg/L	0	0	0	0	0	0
Dissolved Chromium, Hexavalent	mg/L	0	0	0	0	0	0
Fluoride	mg/L	0.35	0.28	0.25	0.23	0.35	0.4375
Hardness as CaCO3	mg/L	112	98	104	160	160	200
Hydroxide as CaCO3	mg/L	0	0	0	0	0	0
Iron, dissolved	mg/L	0.1	0.04	0.04	0.03	0.1	0.125
Iron, total	mg/L	3.24	9.45	N/A	1.43	9.45	11.8125
Lead, dissolved	mg/L	0.0348	0.0053	0.005	0.002	0.0348	0.0435
Lead, total	mg/L	0	0.5804	N/A	0.1194	0.5804	0.7255
Magnesium, dissolved	mg/L	3	2.8	3	3.5	3.5	4.375

Parameters	Units	6/10/2014	7/22/2014	12/4/2014	2/13/2015	Max of Wells	Max of Wells +25%
		Max	Max	Max	Max		
Manganese, dissolved	mg/L	0.054	0.048	0.007	0.013	0.054	0.0675
Mercury, dissolved	mg/L	0	0	0	0	0	0
Mercury, total	mg/L	0	0	N/A	0	0	0
Molybdenum, dissolved	mg/L	0.0174	0.0036	0.0024	0.0053	0.0174	0.02175
Nickel, dissolved	mg/L	0	0	0	0	0	0
Nitrate/Nitrite as N	mg/L	1.63	0.49	0.29	1.96	1.96	2.45
Oil and Grease	mg/L	0	0	0	0	0	0
Phosphorus, ortho dissolved	mg/L	0.02	0.06	0.02	0.03	0.06	0.075
Potassium, dissolved	mg/L	1.3	0.8	0.7	1.2	1.3	1.625
Residue, Filterable (TDS) @180C	mg/L	170	130	152	284	284	355
Residue, Non-Filterable (TSS) @105C	mg/L	62	177	N/A	16	177	221.25
Selenium, dissolved	mg/L	0.0005	0.0003	0.0003	0.0005	0.0005	0.000625
Silica, dissolved	mg/L	6.6	6	6.4	7.3	7.3	9.125
Silver, dissolved	mg/L	0.00008	0	0.00006	0	0.00008	0.0001
Sodium, dissolved	mg/L	4.6	2.2	2.3	10.5	10.5	13.125
Sulfate	mg/L	76.3	95.8	72.5	128	128	160
TDS (calculated)	mg/L	149	166	144	241	241	301.25
Thallium, dissolved	mg/L	0	0	0	0	0	0
Total Alkalinity	mg/L	45	35.2	35.4	46.4	46.4	58
Uranium, dissolved	mg/L	0.0002	0	0.0003	0.0002	0.0003	0.000375
Vanadium, dissolved	mg/L	0	0	0	0	0	0
Zinc, dissolved	mg/L	0.43	0.37	0.52	0.57	0.57	0.7125
Zinc, total	mg/L	0	0.72	N/A	0.56	0.72	0.9
Sum of Anions	meq/L	2.3	2.7	2.2	3.7	3.7	4.625
Sum of Cations	meq/L	2.5	2.1	2.2	3.7	3.7	4.625
pH measured at	C	21	21	19.7	21.8	21.8	27.25
Cation-Anion Balance	%	6.3	0	0	2.7	6.3	7.875

It should be noted that to fully characterize a baseline representative well value, the December 2014 well results had to be slightly reduced. This was because the sample measurements for total metals as well as total suspended solids were much higher than previously recorded and are therefore suspected to be outliers. To account for this, total metal parameters as well as total suspended solids were removed from the parameter list for the December 4th, 2014 sample date when calculating maximum values in the wells. These parameters have values listed as N/A on the December sample date (shown in the full data compilation in Appendix E). A list of the parameters not included as well as their respective concentration measurements can be found below in Table 2.

Table 2: Outlier Parameters and Data Points from the December 4th, 2014 Sampling Date

Parameters	Units	12/4/2014 Concentration					
		GW-1A	GW-1B	GW-2A	GW-2B	GW-3A	GW-3B
Aluminum, total	mg/L	2.73	1.06	3.38	0.85	23.4	0.73
Cadmium, total	mg/L	0.0003	0.0002	0.001	0.0002	0.0054	0.0001
Copper, total	mg/L					0.12	
Cyanide, total	mg/L						
Iron, total	mg/L	3.4	1.39	4.34	1.09	23.7	1.61
Lead, total	mg/L	0.0497	0.0124	0.12	0.0071	2.17	0.0103
Mercury, total	mg/L					0.0003	
Residue, Non-Filterable (TSS) @105C	mg/L	50	7	57	12	320	22
Zinc, total	mg/L	0.12	0.1	0.65	0.29	2.13	0.11

Although the exact cause of this outlier data is unclear, there are a couple possible explanations. One potential explanation is that it was caused by the well sampling technique being used. Before sampling each well was purged using bailers which could have potentially disturbed settled solids at the bottom or sides of the wells. After the December 2014 sample date a new system was introduced to purge the wells using a pump to minimize this impact. Another potential explanation could be due to installation errors in the wells, more specifically in well number 3. This is suspected due to the significantly higher measurements in that particular well. However, because there is only one outlier date it is difficult to exactly define the source of the increase of these parameters.

Chapter 7 - Proposed Standards

Three different aspects were taken into account to develop the final proposed standards. These aspects include a) the representative groundwater value determined from the sampling wells, b) the in-stream water quality standard set by the methodology in the CDPHE discharge permit, and c) the CDPHE groundwater standards which are used in some cases as a backup method to determine standards for parameters when the other methods don't provide the information.

In-Stream Standards

The methodology used to determine CDPHE discharge permit limitations was from CDPHE Regulation Number 35 on stream classifications and water quality standards for the Uncompahgre River Basin, Stream Segment Number 9 [1]. These regulations are referred to as in-stream standards as they are specific to the stream segment applicable to the Revenue Mine site. The values as defined in the numeric standards table for Regulation No. 35 are shown below in Figure 4.

REGION: 10 **BASIN: Uncompahgre River** Stream Segment Description	Desig	Classifications	NUMERIC STANDARDS						TEMPORARY MODIFICATIONS AND QUALIFIERS
			PHYSICAL and BIOLOGICAL	INORGANIC mg/l		METALS ug/l			
9 Mainstem of Imogene Creek from its source to its confluence with Sneffels Creek. Mainstem and all tributaries of Sneffels Creek from a point 1.5 miles above its confluence with Imogene Creek at 37.974979, -107.753960 (WGS84) to its confluence with Imogene Creek. Mainstem of Canyon Creek from its inception at the confluence of Imogene Creek and Sneffles Creek to the confluence with the Uncompahgre River.		Aq Life Cold 2 Recreation P Agriculture	T=TVS(CS-I) °C D.O.=6.0 mg/l D.O.(sp)=7.0 mg/l pH=6.5-9.0 E.Coli=205/100ml	NH_3(ac/ch)=TVS Cl_2(ac)=0.019 Cl_2(ch)=0.011 CN=.005	S=0.002 B=0.75 NO_2=0.05 NO_3=100	As(ac)=340 As(ch)=7.6(Trec) Cd(ac)=TVS(tr) Cd(ch)=TVS CrIII(ac/ch)=TVS CrIII(ch)=100(Trec) CrVI(ac/ch)=TVS Cu(ac/ch)=TVS	Fe(ch)=1000 (Trec) Pb(ac/ch)=TVS Mn(ac/ch)=TVS Hg(ch)=0.01(Tot) Mo(ch)=160(Trec) Ni(ac/ch)=TVS	Se(ac/ch)=TVS Ag(ac)=TVS Ag(ch)=TVS(tr) Zn(ac/ch)=TVS	Fish Ingestion

Figure 4: Numeric Standards for Regulation No. 35 [1]

As shown in the table of Figure 4, this segment of the stream is classified for aquatic life, recreation, and agriculture. In 1988, a revision was done to specifically address the classification of Stream Segment Number Nine. In this revision, it was decided that "no water supply uses exist or are anticipated in upper Imogene and Sneffels Creeks and the existing quality is poorer than the dissolved manganese criterion for a water supply classification" [1]. This indicates that the water impacting Sneffels Creek will be most greatly affected by aquatic life, recreational, and agricultural standards. Because recreation standards are very fundamental, the overall impact of these classification standards on the overall DRMS standard recommendation is neglected. Thus, the in-stream and agriculture classifications play an important role in determination of the proposed DRMS standards, and will be discussed further in the explanation of methodology section.

An important aspect of the data displayed in the table above are the "table value standard," or TVS limitations. Any parameter with a "TVS" limitation required a hardness calculation to be completed to determine this value. The hardness downstream noted in the current CDPHE discharge permit for the Revenue Mine was used to complete this calculation. The permitted downstream hardness is equivalent to 96 mg/L as $CaCO_3$. The complete set of in-stream standards used to aid in development of DRMS standards are shown below in Table 3.

Table 3: In-Stream Water Quality Standards Compilation

In Stream Water Quality Standards		KEY Federal TVS, dissolved
Parameter	**Limit**	**Units**
pH	6.5-9	
NH3	TVS	
Cl2	0.011	mg/L
CN	0.005	mg/L
S	0.002	mg/L
B	0.75	mg/L
NO2	0.05	mg/L
NO3	100	mg/L
As	0.34	mg/L
Cd	0.000411	mg/L
CrIII	0.071679	mg/L
CrVI	0.011	mg/L
Cu	0.008649	mg/L
Pb	0.002407	mg/L
Mn	1.627311	mg/L
Ni	0.050241	mg/L
Se	0.0046	mg/L
Ag	7E-05	mg/L
Zn	0.116772	mg/L
TSS	20	mg/L
Iron, dissolved	1	mg/L
Cadmium, total	0.05	mg/L
Copper, total	0.15	mg/L
Lead, total	0.3	mg/L
Mercury, total	0.001	mg/L
Zinc, total	0.75	mg/L

Any parameter not highlighted means that this is a numeric standard from the CDPHE Stream Segment 9 list in Table 1. All parameters highlighted in green are TVS (hardness based), using the Stream Segment 9 formulas. Parameters in orange are Federal standards for metal mines and are not limited to any specific Stream Segment.

CDPHE Groundwater Standards

As a secondary resort, CDPHE groundwater standards were also used to determine limitations. The groundwater standards were taken from CDPHE Regulation Number 41: Basic Standards for Groundwater [2]. In these basic standards, groundwater is classified into five different categories. These categories are:

1. *Domestic Use – Quality*
2. *Agricultural Use – Quality*
3. *Surface Water Quality Protection*
4. *Potentially Usable Quality*
5. *Limited Use and Quality*

To classify the groundwater in the wells on the Revenue Mine site, the identification criteria explained in Regulation Number 41 was used. First, *Limited Use* was removed as an option because the total dissolved solid content of the well samples were under the qualifying level of 10,000 mg/L. Secondly, as the surface water standards have already been taken into account, *Surface Water Quality Protection* was removed as an option. This leaves three remaining options: domestic use, agricultural use, or potentially usable quality. As *Potentially Usable Quality* is only applicable when no other option relates, an in-depth analysis was done to determine whether the groundwater in question is classified as domestic or agricultural use.

CDPHE Domestic Use Groundwater Standards

Under Regulation Number 41 Section 41.4-B-1, the criteria to classify water as domestic use are outlined. To be classified for domestic use or domestic use quality, one or more of the following must be met within the specified area: ground water is used for domestic use, there is reasonable potential for future domestic use of groundwater, groundwater is permitted or decreed for domestic use by the State Engineer or applicable water court, and/or background levels are generally adequate to meet the CDPHE human health standards.

Ground water is not currently used for domestic use within the Revenue Mine area and is not anticipated to be used as such. The mine gets potable water from a nearby spring in which the water is pristine. The quality and higher altitude of this water source indicates that it is in no way connected to the groundwater taken from the sampling wells.

The nearest populated area to the Revenue Mine is the City of Ouray. The city currently obtains its domestic use water from a nearby spring, the Weehawken Spring [3]. This water is considered pristine and requires minimal treatment, according to an Ouray public works representative. The city services approximately 615 acres with this treated water spanning the entire city as well as three subdivisions outside of the city limits [3]. A map showing the water system in the City of Ouray can be found in Appendix F. There is also a subdivision located outside the city that is provided with raw water from Weehawken Spring to be treated and distributed on site. The pristine quality of the Weehawken Spring as well as the large distance between the spring and the Revenue Mine site indicate that the groundwater under the site is not currently being used for domestic use.

It is not probable that the groundwater in the Revenue Mine area will be used for domestic use in the future. This is because there is not demand for it from the City of Ouray. The City of Ouray is expected to have a 2.3 percent

growth rate for the next 50 years. Based on this population growth, the total water demand for 2063 was estimated to be 2.52 cubic feet per second, or 1,825 acre-feet per year [3]. Weehawken Spring, the city's current water source, has a permitted diversion rate of 3.82 cubic feet per second [3]. This water right exceeds the projected future domestic use requirement, thus, using Revenue groundwater is not expected.

Additionally, the city has other water rights that are reserved for future use. In total, the city has water rights summing to 12.8 cubic feet per second [3]. The reserved for future use water rights are all from surface waters that are not in an area that the groundwater near the Revenue Mine could potentially impact. The surface waters are also not impacted by Sneffels Creek.

It is also not probable that the Revenue groundwater will be used for domestic use because background levels indicate that the water does not meet Human Health Standards. A full table outlining the human health standards used by the CDPHE are shown in Appendix G. The parameters that are exceeded by the current groundwater based on the first round of well sampling are dissolved antimony and dissolved manganese. The CDPHE human health standard for dissolved antimony is 0.6 µg/L and the maximum amount found in the groundwater wells was 2.7 µg/L. This can be considered a significant exceedance. Dissolved manganese had an exceedance in which the CDPHE human health standard is 50 µg/L and the maximum amount found in the wells was 54 µg/L.

CDPHE Agricultural Use Groundwater Standards

As the ground water in the Revenue Mine area cannot be classified as domestic use or domestic use quality, an analysis on whether the water can be classified for agricultural use must be assessed. Under Regulation Number 41 section 41.4-B-2 the criteria to classify water as agricultural use are outlined. To be classified for agricultural use or agricultural use quality, one or more of the following must be met within the specified area: ground water is used for agricultural use, there is reasonable potential for future agricultural use of groundwater, groundwater is permitted or decreed for agricultural use by the State Engineer or applicable water court, and/or background levels are generally adequate to meet the CDPHE agricultural standards.

The CDPHE in-stream standards classify the affected segment of Sneffels Creek for aquatic life, recreation, and agriculture. Because it is unknown whether the groundwater interacts with Sneffels Creek, it is safe to assume that these classifications also hold for the groundwater. This indicates that the groundwater meets the first and second criteria for agricultural use classification as water that is currently used and also has probable future use for agriculture.

The State of Colorado breaks down its water courts into six divisions based on County, of which the Revenue Mine is classified as Division Four [4]. An examination of the past year of Division Four water court cases indicates that the majority of cases deal with surface water. There are a very limited number of cases referring to groundwater, none of which have groundwater from wells but instead spring-fed water. Of the court cases in Ouray County, the majority of cases cover water with classified uses for irrigation or stock water. Because these are agricultural activities, it can be assumed that water in the area is currently used for agricultural purposes, and will most likely remain as such in the future.

Lastly, the final criteria to classify water as agricultural use of meeting the CDPHE agricultural standards is also met. A complete table showing the CDPHE agricultural standards can be found in Appendix H. The maximum concentration found in the groundwater wells meets these standards for all parameters.

CDPHE Groundwater Standard Classification

The groundwater in the Revenue Mine area cannot be classified for domestic use. The major reasoning for this conclusion is due to the lack of current and potential future domestic use. It is extremely unlikely that this water will be used for domestic use in the future as the City of Ouray has water rights that greatly exceed their projected future needs. Additionally, the quality of the groundwater on the Revenue Mine site does not meet the CDPHE Human Health Standards for domestic use for dissolved antimony and manganese.

The groundwater in the Revenue Mine area can be classified for agricultural use. The major reasoning for this conclusion is due to the current and potential future agricultural use. It is likely that this water could be used for agricultural use in the future as surface water in the area already being used for this purpose. Additionally, the quality of the groundwater on the Revenue Mine site meets the CDPHE standards for agricultural use. Because the groundwater can be classified as agricultural use, an examination of whether the water can be classified as "potentially usable quality" is unnecessary.

The groundwater standards for agricultural use are set-numeric for all parameters except for total dissolved solids (TDS). The standard for this parameter varies based on the background levels of TDS present in the water. Table 4, taken from in CDPHE Regulation Number 41 (shown below) outlines the different standards to be set dependent on background levels.

Table 4: TDS Water Quality Standards [2]

Background TDS Value (mg/l)	Maximum Allowable TDS Concentrations
0 - 500	400 mg/l or 1.25 times the background level, whichever is least restrictive
501 - 10,000	1.25 times the background value
10,001 or greater	No limit

Explanation of Methodology

To determine the DRMS standard, a list of parameters of concern was compiled based on the dissolved parameters included in the CDPHE in-stream standards, the parameters included in the CDPHE discharge permit, as well as the standards for ground water. To determine the proposed DRMS standard, the representative baseline groundwater value (shown as Max of Wells + 25%) was first compared to the In-Stream Water Quality Standard for each parameter. For parameters in which the representative groundwater concentration exceeded the In-Stream Water Quality Standard, the representative baseline groundwater value from the well samples was set as the DRMS standard. For parameters in which the representative groundwater concentration was less than the In-Stream Water Quality Standard, the In-Stream Water Quality Standard was set as the DRMS standard. This was done to insure no increased impact occurred on Sneffels Creek and also the ground water due to mining activity.

In some cases, there was no value for the In-Stream Water Quality Standard for a parameter. In this case, the representative baseline groundwater value was compared with the CDPHE agricultural standard for groundwater. The previous section describes how this water is best classified as agricultural use. This was the most conservative estimate of a standard for these parameters to insure no increased impact on the potential current and/or future use of this water. If any parameter was measured in the wells but did not have a CDPHE standard for In-Stream or agricultural ground-water, the DRMS standard for that specific parameter was set as "Report". This is to comply with the agreement to monitor the groundwater wells for all of the parameters included in the underground mine water samples.

Proposed Standards

The proposed standards found from the methodology explained above can be found below in Table 5. It is proposed that the future well tests from all wells must meet these proposed standards. New tailings produced by the mill will be evaluated with an SPLP test at a minimum of one sample per 6 months. These tests must also meet the standards set forth in Table 3 below. If any test shows a parameter that exceeds the proposed standard, the Division will be immediately notified and corrective action will be proposed to correct the issue.

Table 5: DRMS Proposed Standards

Parameter	Max of Wells + 25% (mg/L)	In-Stream Water Quality Standards (mg/L)	Colorado Ground Water Standards for Agricultural Use Classification (mg/L)	Proposed Standard No Increased Impact (mg/L)
Aluminum, dissolved	0.05		5	5.000
Aluminum, total	6.4			**Report**
Antimony, dissolved	0.003375			**Report**
Arsenic, dissolved	0.003375	0.34	0.1	0.1
Barium, dissolved	0.0875			**Report**
Beryllium, dissolved	0		0.1	0.100
Bicarbonate as CaCO3	58			**Report**
Boron, dissolved	0.025	0.75	0.75	0.750
Cadmium, dissolved	0.00125	0.0004	0.01	0.001
Cadmium, total	0.00375	0.05		0.050
Calcium, dissolved	73.375			**Report**
Carbonate as CaCO3	0			**Report**
Cation-Anion Balance	7.875			**Report**
Chloride	2	0.011		2.000
Chromium, dissolved	0.001		0.1	0.100
Conductivity @25C	477.5			**Report**
Copper, dissolved	0.005375	0.008648929	0.2	0.009
Copper, total	0.05	0.15		0.150
Cyanide, total	0			**Report**
Cyanide, WAD	0	0.005		0.005
Fluoride	0.4375		2	2.000
Hardness as CaCO3	200			**Report**
Hydroxide as CaCO3	0			**Report**
Iron, dissolved	0.125	1	5	1.000
Iron, Total	11.8125	1		11.813
Lead, dissolved	0.0435	0.002407169	0.1	0.044
Lead, total	0.7255	0.3		0.726
Magnesium, dissolved	4.375			**Report**
Manganese, dissolved	0.0675	1.627311235	0.2	1.627

Parameter	Max of Wells + 25% (mg/L)	In-Stream Water Quality Standards (mg/L)	Colorado Ground Water Standards for Agricultural Use Classification (mg/L)	Proposed Standard No Increased Impact (mg/L)
Mercury, dissolved	0		0.01	0.010
Mercury, total	0	0.001		0.001
Molybdenum, dissolved	0.02175			**Report**
Nickel, dissolved	0	0.050241359	0.2	0.050
Nitrate/Nitrite as N	2.45		100	100.000
pH	10.25	6.0-9.0	6.5-8.5	6.0-9.0*
pH measured at	27.25			**Report**
Phosphorus, ortho dissolved	0.075			**Report**
Potassium, dissolved	1.625			**Report**
Residue, Filterable (TDS) @180C	355		400	400***
Residue, Non-Filterable (TSS) @105C	221.25	20		**Report****
Selenium, dissolved	0.000625	0.0046	0.02	0.005
Silica, dissolved	9.125			**Report**
Silver, dissolved	0.0001	6.99957E-05		0.0001
Sodium, dissolved	13.125			**Report**
Sulfate	160	0.006		160
Sum of Anions	4.625			**Report**
Sum of Cations	4.625			**Report**
Thallium, dissolved	0			**Report**
Total Alkalinity	58			**Report**
Uranium, dissolved	0.000375			**Report**
Vanadium, dissolved	0		0.1	0.100
Zinc, dissolved	0.7125	0.116771534	2	0.713
Zinc, total	0.9	0.75		0.900

*pH standard was conservatively set as the In-Stream Water Quality Standard, not the maximum of the wells.

**TSS standard was set as "Report" because well samples are groundwater and SPLP tests measure dissolved solids, not total.

***TDS standard will only apply to well samples, not SPLP testing due to the nature of the SPLP test. SPLP testing will "Report" TDS

Appendices

A. Seep ICP Results

Seep with Mine Water								Seep as Ground Water										
Parameter	11/15/11	1/16/12	6/24/12	9/18/12	12/6/12	2/6/13	Average	6/20/13	7/18/13	7/25/13	8/1/13	8/8/13	9/26/13	12/26/13	2/12/14	4/2/14	5/15/14	Average
Aluminum, dissolved																		
Aluminum, total		0.120			0.030		0.075	1.62	0.05			5.12	0.23				2.49	1.902
Antimony, dissolved	0.002	0.002	0.002	0.002	0.003	0.001	0.002	0.0027	0.002	0.002	0.002	0.0038	0.0028	0.0013	0.0013	0.0012	0.0015	0.00206
Antimony, total	0.002	0.002	0.002	0.002	0.003	0.001	0.002	0.0052	0.0019	0.002	0.0021	0.0043	0.0032	0.0017	0.0015	0.002	0.0031	0.0027
Arsenic, dissolved	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.0012	0.0008		0.0007	0.0013	0.0016	0.0011	0.0008	0.0009	0.0006	0.001
Arsenic, total	0.002	0.001	0.001	0.001	0.002	0.001	0.001	0.0095	0.0014	0.0008	0.0009	0.0096	0.0028	0.0015	0.001	0.0014	0.0025	0.00314
Barium, dissolved	0.028	0.031	0.022	0.088	0.020	0.032	0.037	0.03	0.03	0.034	0.034	0.034	0.031	0.024	0.042	0.031	0.036	0.0326
Barium, total	0.038	0.034	0.020	0.041	0.020	0.035	0.031	0.059	0.038	0.028	0.035	0.104	0.039	0.027	0.051	0.027	0.068	0.0476
Beryllium, dissolved																		
Beryllium, total								0.00007				0.00017						0.00012
Bicarbonate as CaCO3	41	49	40	44	52	37	44	36	37	37	40	48	50	49	43	37	37	41
Boron, dissolved			0.020	0.010		0.010	0.013							0.01		0.02		0.015
Boron, total												0.01	0.02	0.02			0.01	0.015
Cadmium, dissolved	0.000	0.000	0.000	0.000	0.000	0.000	0.000											
Cadmium, total	0.000	0.000	0.000	0.000	0.000	0.000	0.000										0.001	0.001
Calcium, dissolved	44.800	45.400	32.200	45.500	50.000	38.300	42.700	31	38	38	46	48	48	46	37	55	62	45
Calcium, total	47.200	47.200	34.000	46.200	51.900	42.000	44.750	36	39	38	48	49	48	54	43	56	78	49
Carbonate as CaCO3																		
Cation-Anion Balance	-1.8	-5.3	0.0	0.0	-1.6	-4.2	-2.2	2.7	3.7	3.0	2.8	2.9	-8.2	-5.3	-4.3	-1.5	-2.6	-0.7
Chloride									1			1			2		2.5	1.625
Chromium, dissolved																		
Chromium, total																	0.001	0.001
Conductivity @25C	277	301	205	278	333	262	276	199	244	238	296	306	313	324	265	346	437	297
Copper, dissolved	0.003			0.001			0.002	0.0022		0.0034								0.0028
Copper, total			0.001	0.001		0.001	0.001	0.0116	0.0005	0.005		0.0022	0.0009		0.0009	0.0011	0.0033	0.0031875
Cyanide, total																	0.004	0.004

Seep with Mine Water								Seep as Ground Water										
Parameter	11/15/11	1/16/12	6/24/12	9/18/12	12/6/12	2/6/13	Average	6/20/13	7/18/13	7/25/13	8/1/13	8/8/13	9/26/13	12/26/13	2/12/14	4/2/14	5/15/14	Average
Cyanide, WAD																		
Fluoride	0.200		0.200	0.200	0.300	0.200	0.220	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.26	0.2	0.216
Hardness as CaCO3	123	124	88	125	136	105	117	86	105	104	128	130	130	123	104	147	171	123
Hydroxide as CaCO3																		
Iron, dissolved				0.340			0.340	0.05	0.03	0.03							0.05	0.04
Iron, total		0.250	0.030				0.140	1.65	0.03	0.03		1.62	0.17	0.05	0.03	0.03	1.91	0.613333333
Lead, dissolved	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.0144	0.0045	0.0013	0.0009	0.0105	0.0013	0.0008	0.0018	0.0004	0.0032	0.00391
Lead, total	0.001	0.010	0.001	0.002	0.001	0.004	0.003	0.1458	0.0231	0.0034	0.0033	0.1397	0.0106	0.0049	0.0051	0.0034	0.043	0.03823
Magnesium, dissolved	2.700	2.600	1.900	2.700	2.600	2.200	2.450	2.2	2.5	2.3	2.9	2.7	2.8	2.2	2.5	2.7	3.9	2.67
Magnesium, total	2.800	2.700	1.600	2.600	2.800	2.500	2.500	2.8	2.3	2.2	3.1	3.3	2.9	2.7	2.8	2.7	5.8	3.06
Manganese, dissolved								0.026	0.006	0.01		0.042	0.018			0.014	0.391	0.072428571
Manganese, total		0.021		0.005	0.009	0.009	0.011	0.474	0.016	0.012		0.299	0.054	0.091	0.019	0.016	0.533	0.168222222
Mercury, dissolved																		
Mercury, total								0.0002										0.0002
Molybdenum, dissolved	0.0029	0.0025	0.0036	0.0030	0.0038	0.0015	0.0029	0.0026	0.0017	0.0015	0.0019	0.0048	0.0047	0.0014	0.0015	0.0019	0.0017	0.0024
Molybdenum, total	0.0028	0.0028	0.0038	0.0029	0.0037	0.0016	0.0029	0.0049	0.0018	0.0017	0.0020	0.0077	0.0052	0.0017	0.0019	0.0022	0.0025	0.0032
Nickel, dissolved	0.020						0.020											
Nickel, total			0.020			0.010	0.015											
Nitrate/Nitrite as N	0.150	0.140	0.280	0.280	0.220	0.190	0.210	0.82	1.63	1.3	3.07	2.05	2.53	0.52	0.42	1.14	4.45	1.793
pH	8.0	7.9	7.8	8.0	8.1	8.0	8.0	7.9	7.9	7.9	7.9	8.0	8.1	8.0	8.0	8.0	7.8	8.0
pH measured at	21	19	19	22	21	22	21	20	20	20	22	21	21	23	21	23	21	21
Phosphorus, ortho dissolved		0.020		0.010	0.010	0.010	0.013	0.01			0.01	0.02		0.01		0.01	0.03	0.015
Potassium, dissolved	0.500	0.500	0.600	0.700	0.600	0.600	0.583	0.6	0.7	0.5	0.8	0.8	0.7	0.6	0.5	0.5	0.7	0.64
Potassium, total	0.700	0.600	0.700	0.700	0.700	0.500	0.650	1.5	0.4	0.5	0.8	3.1	0.9	0.7	0.6	0.5	1.3	1.03
Residue, Filterable (TDS) @180C	170	190	120	190	200	180	175	110	160	152	178	210	194	200	170	230	290	189
Residue, Non-Filterable (TSS) @105C								28				8					16	17.33333333
Selenium, dissolved	0.0004	0.0003	0.0003	0.0004	0.0001	0.0004	0.0003	0.0002	0.0003		0.0003	0.0005	0.0004	0.0004	0.0003	0.0004	0.0004	0.0004
Selenium, total	0.0004	0.0003	0.0003	0.0004	0.0003	0.0004	0.0004	0.0003	0.0003	0.0002	0.0003	0.0006	0.0005	0.0004	0.0004	0.0005	0.0004	0.0004

Seep with Mine Water								Seep as Ground Water										
Parameter	11/15/11	1/16/12	6/24/12	9/18/12	12/6/12	2/6/13	Average	6/20/13	7/18/13	7/25/13	8/1/13	8/8/13	9/26/13	12/26/13	2/12/14	4/2/14	5/15/14	Average
Silica, dissolved	4.9	5.5	5.4	5.9	6.2	5.8	5.6	4.8	4.9	4.9	5.2	5.8	6.2	7.1	5.5	6.6	6.6	5.8
Silica, total	4.3	5.9	3.3	4.7	4.9	5.7	4.8	10.0	5.0	5.0	5.6	23.2	6.4	7.3	5.4	6.8	15.8	9.1
Silver, dissolved								0.0002	0.0001	0.0002								0.0001
Silver, total		0.0002					0.0002	0.0047		0.0001		0.0010	0.0001	0.0001		0.0002	0.0009	0.0010
Sodium, dissolved	4.5	5.0	3.5	4.4	5.1	4.1	4.4	2.5	2.9	3.4	4.0	5.1	4.9	5.2	3.3	5.5	5.0	4.2
Sodium, total	4.9	5.1	3.3	4.3	5.1	4.2	4.5	2.9	3.2	3.2	3.9	5.0	5.0	5.9	3.7	5.5	5.7	4.4
Sulfate	93	95	53	87	95	82	84	51	63	65	86	81	107	97	71	119	145	88
Sum of Anions	2.8	3.0	1.9	2.7	3.1	2.5	2.7	1.8	2.1	2.1	2.6	2.7	3.3	3.0	2.4	3.3	3.9	2.7
Sum of Cations	2.7	2.7	1.9	2.7	3.0	2.3	2.6	1.9	2.3	2.3	2.8	2.9	2.8	2.7	2.2	3.2	3.7	2.7
TDS (calculated)	175	184	121	173	191	156	167	114	136	137	169	173	199	187	148	211	249	172
TDS (ratio - measured/calculated)	0.970	1.030	0.990	1.100	1.050	1.150	1.048	0.96	1.18	1.11	1.05	1.21	0.97	1.07	1.15	1.09	1.16	1.095
Thallium, dissolved																		
Thallium, total												0.0003						0.0003
Total Alkalinity	41	49	40	44	52	37	44	36	37	37	40	48	50	49	43	37	37	41
Uranium, dissolved	0.0001	0.0001		0.0001	0.0003		0.0002			0.0002	0.0001	0.0002	0.0002	0.0002		0.0001	0.0001	0.0002
Uranium, total	0.0001	0.0002	0.0001	0.0002	0.0003	0.0001	0.0002	0.0002			0.0001	0.0003	0.0003	0.0002	0.0001	0.0002	0.0002	0.0002
Vanadium, dissolved						0.006	0.006											
Vanadium, total												0.008					0.006	0.007
Zinc, dissolved	0.130	0.140	0.090	0.150	0.070	0.170	0.125	0.12	0.13	0.15	0.15	0.1	0.1	0.15	0.14	0.18	0.39	0.161
Zinc, total	0.140	0.140	0.080	0.150	0.080	0.180	0.128	0.25	0.15	0.14	0.16	0.26	0.12	0.2	0.16	0.19	0.51	0.214

B. Shallow vs. Deep Well Water Comparison

Sample Date -->	6/10/2014									7/22/2014								
Parameter (for concentration mg/L)	GW-1A	GW-1B	RPD	GW-2A	GW-2B	RPD	GW-3A	GW-3B	RPD	GW-1A	GW-1B	RPD	GW-2A	GW-2B	RPD	GW-3A	GW-3B	RPD
Aluminum, dissolved	0	0.03	200	0.04	0	200	0	0	0	0	0	0	0	0	0	0	0	0
Aluminum, total	4.22	0.42	164	0.94	0.57	49	1.65	0.3	138	1.04	0.24	125	5.12	1.62	104	4.36	0.83	136
Antimony, dissolved	0.0027	0.0009	100	0.0022	0.0008	93	0.0011	0.0013	17	0.0013	0.0011	17	0.0013	0.0007	60	0.0018	0.0007	88
Arsenic, dissolved	0.0027	0.0007	118	0.0011	0.0002	138	0.0009	0.0005	57	0.0012	0.0005	82	0.0005	0.0005	0	0.0008	0.0003	91
Barium, dissolved	0.049	0.05	2	0.05	0.07	33	0.046	0.043	7	0.035	0.039	11	0.051	0.067	27	0.06	0.046	26
Bicarbonate as CaCO3	45	30	40	26	31	18	36	35	3	24.3	27	11	27.3	35.2	25	32.6	31.7	3
Calcium, dissolved	40.7	35.9	13	29	38.9	29	26.8	26.3	2	17.1	18.8	9	25.6	34.7	30	26.5	27.7	4
Chloride	1.2	1.6	29	0.8	0.7	13	0	0.6	200	0	0	0	0	0	0	0	0	0
Chromium, dissolved	0.0005	0.0008	46	0	0	0	0	0	0	0.0007	0	200	0	0	0	0	0	0
Conductivity @25C	260	38	149	197	248	23	171	171	0	121	123	2	170	217	24	175	181	3
Copper, dissolved	0.0017	0.0028	49	0.0043	0.0007	144	0.003	0.0009	108	0.0016	0.0006	91	0.0014	0.0008	55	0.0013	0.0007	60
Fluoride	0.23	0.27	16	0.35	0.27	26	0.18	0.2	11	0.24	0.23	4	0.28	0.27	4	0.27	0.25	8
Hardness as CaCO3	112	98	13	84	109	26	76	75	1	49	54	10	73	98	29	74	77	4
Iron, dissolved	0.07	0.06	15	0.1	0	200	0.03	0	200	0.02	0	200	0	0.04	200	0	0	0
Iron, total	3.24	0.99	106	1.41	0.73	64	1.84	0.43	124	1.28	0.28	128	9.45	2.4	119	6.63	2.24	99
Lead, dissolved	0.0171	0.0057	100	0.0348	0.0004	195	0.0013	0.0002	147	0.0011	0.0003	114	0.0031	0.001	102	0.0053	0.0006	159
Magnesium, dissolved	2.4	2.1	13	2.7	3	11	2.3	2.3	0	1.6	1.7	6	2.3	2.8	20	2	1.9	5
Manganese, dissolved	0.054	0.027	67	0.038	0.008	130	0.011	0	200	0	0.009	200	0.02	0.048	82	0.013	0.008	48
Molybdenum, dissolved	0.0174	0.004	125	0.0024	0.0009	91	0.001	0.001	0	0.0009	0.0012	29	0.0016	0.0011	37	0.0036	0.0012	100
Nitrate/Nitrite as N	1.63	1.09	40	0.44	0.29	41	0.09	0.09	0	0.06	0.07	15	0.13	0.15	14	0.49	0.43	13
pH	8.2	8	2	7.6	7.7	1	7.8	7.8	0	7.4	7.5	1	7.4	7.4	0	7.6	7.5	1
Potassium, dissolved	1.2	1.3	8	0.8	0.7	13	0.6	0.6	0	0.5	0.5	0	0.7	0.8	13	0.7	0.7	0
Residue, Filterable (TDS) @180C	170	150	13	120	160	29	160	90	56	70	70	0	100	130	26	110	100	10
Residue, Non-Filterable (TSS) @105C	19	9	71	30	0	200	62	0	200	102	8	171	177	13	173	123	28	126
Selenium, dissolved	0.0005	0.0005	0	0.0002	0.0003	40	0.0003	0.0003	0	0.0002	0.0002	0	0.0001	0.0002	67	0.0002	0.0003	40
Silica, dissolved	6.6	5.6	16	5.3	5.7	7	5.1	4.8	6	4.1	4.4	7	5.2	6	14	4.8	5	4
Silver, dissolved	0.00008	0	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sodium, dissolved	4.6	4.6	0	2.5	2.5	0	3.3	1.7	64	1.3	1.4	7	1.8	2.2	20	2	2.1	5
Sulfate	62.5	68.7	9	55.2	76.3	32	37.3	36.3	3	30.8	29.7	4	55	95.8	54	47	49.7	6

Sample Date -->	6/10/2014									7/22/2014								
Parameter (for concentration mg/L)	GW-1A	GW-1B	RPD	GW-2A	GW-2B	RPD	GW-3A	GW-3B	RPD	GW-1A	GW-1B	RPD	GW-2A	GW-2B	RPD	GW-3A	GW-3B	RPD
Sum of Anions	2.3	2.1	9	1.7	2.3	30	1.5	1.5	0	1.2	1.2	0	1.7	2.7	45	1.7	1.7	0
Sum of Cations	2.5	2.2	13	1.8	2.3	24	1.7	1.6	6	1.1	1.2	9	1.6	2.1	27	1.6	1.7	6
Total Alkalinity	45	30	40	26	31	18	36	35	3	24.3	27	11	27.3	35.2	25	32.6	31.7	3
Zinc, dissolved	0.04	0.06	40	0.43	0.31	32	0.07	0.06	15	0.05	0.05	0	0.37	0.26	35	0.17	0.06	96
Average RPD			55.4			59.1			47.5			44.3			43.4			34.6
Average RPD Between All Wells									46.0									

C. Well Water vs. Surface Water Comparison

Sample Date 6/11/2014																		
Parameter (for concentration mg/L)	GW-1A	SW-2	RPD	GW-1B	SW-2	RPD	GW-2A	SW-5	RPD	GW-2B	SW-5	RPD	GW-3A	SW-4	RPD	GW-3B	SW-4	RPD
Aluminum, dissolved	0	0	0	0	0	200	0	0	200	0	0	0	0	0	0	0	0	0
Aluminum, total	4	0	173	0	0	30	1	0	113	1	0	75	2	0	149	0	0	22
Antimony, dissolved	0	0	200	0	0	200	0	0	126	0	0	46	0	0	200	0	0	200
Arsenic, dissolved	0	0	200	0	0	200	0	0	200	0	0	200	0	0	200	0	0	200
Barium, dissolved	0	0	31	0	0	33	0	0	41	0	0	72	0	0	24	0	0	18
Beryllium, dissolved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bicarbonate as CaCO3	45	15	100	30	15	67	26	17	42	31	17	58	36	22	48	35	22	46
Boron, dissolved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cadmium, dissolved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calcium, dissolved	41	15	93	36	15	83	29	17	55	39	17	81	27	15	56	26	15	54
Chloride	1	0	200	2	0	200	1	0	200	1	0	200	0	0	0	1	0	0
Chromium, dissolved	0	0	200	0	0	200	0	0	0	0	0	0	0	0	0	0	0	0
Conductivity @25C	260	106	84	38	106	94	197	118	50	248	118	71	171	109	44	171	109	44
Copper, dissolved	0	0	34	0	0	15	0	0	69	0	0	100	0	0	26	0	0	88
Fluoride	0	0	88	0	0	100	0	0	92	0	0	70	0	0	57	0	0	67
Hardness as CaCO3	112	43	89	98	43	78	84	47	56	109	47	79	76	44	53	75	44	52
Iron, dissolved	0	0	200	0	0	200	0	0	200	0	0	0	0	0	200	0	0	0
Iron, total	3	1	142	1	1	57	1	0	108	1	0	54	2	0	123	0	0	2
Lead, dissolved	0	0	176	0	0	135	0	0	187	0	0	100	0	0	26	0	0	133
Magnesium, dissolved	2	2	46	2	2	33	3	2	57	3	2	67	2	2	36	2	2	36
Manganese, dissolved	0	0	130	0	0	162	0	0	139	0	0	185	0	0	183	0	0	200
Mercury, dissolved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Molybdenum, dissolved	0	0	200	0	0	200	0	0	120	0	0	40	0	0	200	0	0	200
Nickel, dissolved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nitrate/Nitrite as N	2	0	156	1	0	138	0	0	38	0	0	3	0	0	84	0	0	84
pH	8	8	5	8	8	3	8	8	3	8	8	1	8	8	1	8	8	1
Potassium, dissolved	1	0	100	1	0	106	1	1	46	1	1	33	1	1	18	1	1	18
Residue, Filterable (TDS) @180C	170	60	96	150	60	86	120	0	200	160	0	200	160	60	91	90	60	40
Residue, Non-Filterable (TSS) @105C	19	10	62	9	10	11	30	7	124	0	7	200	62	6	165	0	6	200
Selenium, dissolved	0	0	133	0	0	133	0	0	0	0	0	40	0	0	40	0	0	40
Silica, dissolved	7	3	64	6	3	49	5	4	38	6	4	45	5	3	40	5	3	34
Silver, dissolved	0	0	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sodium, dissolved	5	1	135	5	1	135	3	1	86	3	1	86	3	1	114	2	1	62
Sulfate	63	27	79	69	27	87	55	30	59	76	30	87	37	22	53	36	22	51
Sum of Anions	2	1	90	2	1	82	2	1	54	2	1	81	2	1	50	2	1	50
Sum of Cations	3	1	91	2	1	81	2	1	54	2	1	76	2	1	56	2	1	50
Thallium, dissolved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Alkalinity	45	15	100	30	15	67	26	17	42	31	17	58	36	22	48	35	22	46

Sample Date 6/11/2014																		
Parameter (for concentration mg/L)	GW-1A	SW-2	RPD	GW-1B	SW-2	RPD	GW-2A	SW-5	RPD	GW-2B	SW-5	RPD	GW-3A	SW-4	RPD	GW-3B	SW-4	RPD
Uranium, dissolved	0	0	200	0	0	200	0	0	0	0	0	0	0	0	0	0	0	0
Vanadium, dissolved	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zinc, dissolved	0	0	106	0	0	74	0	0	87	0	0	58	0	0	60	0	0	74
AVERAGE RPD			98			86			70			60			60			51

Sample Date 7/22/2014																	
Parameter	GW-1A	SW-2	RPD	GW-1B	SW-2	RPD	GW-2A	SW-5	GW-2B	SW-5	GW-3A	SW-4	RPD	GW-3B	SW-4	RPD
Aluminum, dissolved	0	0.04	200	0	0.04	200	0	Not Sampled	0	Not Sampled	0	0.05	200	0	0.05	200
Aluminum, total	1.04	0.13	156	0.24	0.13	59	5.12		1.62		4.36	0.2	182	0.83	0.2	122
Antimony, dissolved	0.0013	0.0009	36	0.0011	0.0009	20	0.0013		0.0007		0.0018	0.0013	32	0.0007	0.0013	60
Arsenic, dissolved	0.0012	0.0012	0	0.0005	0.0012	82	0.0005		0.0005		0.0008	0.0011	32	0.0003	0.0011	114
Barium, dissolved	0.035	0.04	13	0.039	0.04	3	0.051		0.067		0.06	0.038	45	0.046	0.038	19
Beryllium, dissolved	0	0	0	0	0	0	0		0		0	0.00011	200	0	0.00011	200
Bicarbonate as CaCO3	24.3	24.1	1	27	24.1	11	27.3		35.2		32.6	27.5	17	31.7	27.5	14
Boron, dissolved	0.01	0.01	0	0.01	0.01	0	0.01		0.01		0.01	0.01	0	0	0.01	200
Cadmium, dissolved	0	0	0	0	0	0	0		0		0	0	0	0	0	0
Calcium, dissolved	17.1	17.9	5	18.8	17.9	5	25.6		34.7		26.5	21.3	22	27.7	21.3	26
Chromium, dissolved	0.0007	0	200	0	0	0	0		0		0	0	0	0	0	0
Conductivity @25C	121	125	3	123	125	2	170		217		175	148	17	181	148	20
Copper, dissolved	0.0016	0.0039	84	0.0006	0.0039	147	0.0014		0.0008		0.0013	0.0027	70	0.0007	0.0027	118
Fluoride	0.24	0.16	40	0.23	0.16	36	0.28		0.27		0.27	0.17	45	0.25	0.17	38
Hardness as CaCO3	49	53	8	54	53	2	73		98		74	61	19	77	61	23
Iron, dissolved	0.02	0.11	138	0	0.11	200	0		0.04		0	0.03	200	0	0.03	200
Iron, total	1.28	0.27	130	0.28	0.27	4	9.45		2.4		6.63	0.42	176	2.24	0.42	137
Lead, dissolved	0.0011	0.0015	31	0.0003	0.0015	133	0.0031		0.001		0.0053	0.0037	36	0.0006	0.0037	144
Magnesium, dissolved	1.6	1.9	17	1.7	1.9	11	2.3		2.8		2	1.9	5	1.9	1.9	0
Manganese, total	0	0.421	200	0	0.421	200	0		0		0	0.472	200	0	0.472	200
Mercury, dissolved	0	0	0	0	0	0	0		0		0	0	0	0	0	0
Molybdenum, dissolved	0.0009	0.0009	0	0.0012	0.0009	29	0.0016		0.0011		0.0036	0.0011	106	0.0012	0.0011	9
Nickel, dissolved	0	0	0	0	0	0	0		0		0	0	0	0	0	0
Nitrate/Nitrite as N	0.06	0.05	18	0.07	0.05	33	0.13		0.15		0.49	0.13	116	0.43	0.13	107
pH	7.4	7.5	1	7.5	7.5	0	7.4		7.4		7.6	7.6	0	7.5	7.6	1
Potassium, total	0	0.4	200	0	0.4	200	0		0		0	0.5	200	0	0.5	200
Residue, Filterable (TDS) @180C	70	70	0	70	70	0	100		130		110	90	20	100	90	11
Residue, Non-Filterable (TSS) @105C	102	5	181	8	5	46	177		13		123	0	200	28	0	200
Selenium, dissolved	0.0002	0.0002	0	0.0002	0.0002	0	0.0001		0.0002		0.0002	0.0003	40	0.0003	0.0003	0
Silica, dissolved	4.1	3.6	13	4.4	3.6	20	5.2		6		4.8	3.9	21	5	3.9	25
Sodium, dissolved	1.3	1.3	0	1.4	1.3	7	1.8		2.2		2	1.7	16	2.1	1.7	21
Sulfate	30.8	32.8	6	29.7	32.8	10	55		95.8		47	39	19	49.7	39	24
Sum of Anions	1.2	1.2	0	1.2	1.2	0	1.7		2.7		1.7	1.4	19	1.7	1.4	19

Sample Date 7/22/2014																
Parameter	GW-1A	SW-2	RPD	GW-1B	SW-2	RPD	GW-2A	SW-5	GW-2B	SW-5	GW-3A	SW-4	RPD	GW-3B	SW-4	RPD
Sum of Cations	1.1	1.2	9	1.2	1.2	0	1.6		2.1		1.6	1.4	13	1.7	1.4	19
Thallium, dissolved	0	0	0	0	0	0	0		0		0	0.0002	200	0	0.0002	200
Uranium, total	0	0	0	0	0	0	0		0		0	0	0	0	0	0
Vanadium, dissolved	0	0	0	0	0	0	0		0		0	0	0	0	0	0
Vanadium, total	0	0	0	0	0	0	0		0		0	0	0	0	0	0
Zinc, dissolved	0.05	0.15	100	0.05	0.15	100	0.37		0.26		0.17	0.18	6	0.06	0.18	100
AVERAGE RPD			46			40							63			71

D. Well Water vs. Seep Water Comparison

6/11/2014													
Parameter	Average Seep	GW-3A	RPD	GW-3B	RPD	GW-1A	RPD	GW-1B	RPD	GW-2A	RPD	GW-2B	RPD
Aluminum, dissolved	0	0	0	0	0	0	0	0.03	200	0.04	200	0	0
Antimony, dissolved	0.002045455	0.0011	60	0.0013	45	0.0027	28	0.0009	78	0.0022	7	0.0008	88
Arsenic, dissolved	0.000854545	0.0009	5	0.0005	52	0.0027	104	0.0007	20	0.0011	25	0.0002	124
Barium, dissolved	0.032181818	0.046	35	0.043	29	0.049	41	0.05	43	0.05	43	0.07	74
Beryllium, dissolved	0	0	0	0	0	0	0	0	0	0	0	0	0
Boron, dissolved	0.002727273	0	200	0	200	0	200	0	200	0	200	0	200
Cadmium, dissolved	0	0	0	0	0	0	0	0	0	0	0	0	0
Calcium, dissolved	44.04545455	26.8	49	26.3	50	40.7	8	35.9	20	29	41	38.9	12
Chromium, dissolved	0	0	0	0	0	0.0005	200	0.0008	200	0	0	0	0
Copper, dissolved	0.000609091	0.003	132	0.0009	39	0.0017	94	0.0028	129	0.0043	150	0.0007	14
Iron, dissolved	0.030909091	0.03	3	0	200	0.07	77	0.06	64	0.1	106	0	200
Lead, dissolved	0.003872727	0.0013	99	0.0002	180	0.0171	126	0.0057	38	0.0348	160	0.0004	163
Magnesium, dissolved	2.618181818	2.3	13	2.3	13	2.4	9	2.1	22	2.7	3	3	14
Manganese, dissolved	0.049	0.011	127	0	200	0.054	10	0.027	58	0.038	25	0.008	144
Mercury, dissolved	0	0	0	0	0	0	0	0	0	0	0	0	0
Molybdenum, dissolved	0.002690909	0.001	92	0.001	92	0.0174	146	0.004	39	0.0024	11	0.0009	100
Nickel, dissolved	0	0	0	0	0	0	0	0	0	0	0	0	0
Phosphorus, ortho dissolved	0.01	0.01	0	0.02	67	0.02	67	0.01	0	0.01	0	0.01	0
Potassium, dissolved	0.645454545	0.6	7	0.6	7	1.2	60	1.3	67	0.8	21	0.7	8
Selenium, dissolved	0.000318182	0.0003	6	0.0003	6	0.0005	44	0.0005	44	0.0002	46	0.0003	6
Silica, dissolved	5.745454545	5.1	12	4.8	18	6.6	14	5.6	3	5.3	8	5.7	1
Silver, dissolved	0.00004	0	200	0	200	0.00008	67	0	200	0	200	0	200
Sodium, dissolved	4.081818182	3.3	21	1.7	82	4.6	12	4.6	12	2.5	48	2.5	48
Thallium, dissolved	0	0	0	0	0	0	0	0	0	0	0	0	0
Uranium, dissolved	0.000109091	0	200	0	200	0.0002	59	0.0001	9	0	200	0	200
Vanadium, dissolved	0	0	0	0	0	0	0	0	0	0	0	0	0
Zinc, dissolved	0.152727273	0.07	74	0.06	87	0.04	117	0.06	87	0.43	95	0.31	68
Average RPD			49		65		55		57		59		62

7/22/2014													
Parameter	Average Seep	GW-3A	RPD	GW-3B	RPD	GW-1A	RPD	GW-1B	RPD	GW-2A	RPD	GW-2B	RPD
Aluminum, dissolved	0	0	0	0	0	0	0	0	0	0	0	0	0
Antimony, dissolved	0.002045455	0.0018	13	0.0007	98	0.0013	45	0.0011	60	0.0013	45	0.0007	98
Arsenic, dissolved	0.000854545	0.0008	7	0.0003	96	0.0012	34	0.0005	52	0.0005	52	0.0005	52
Barium, dissolved	0.032181818	0.06	60	0.046	35	0.035	8	0.039	19	0.051	45	0.067	70
Beryllium, dissolved	0	0	0	0	0	0	0	0	0	0	0	0	0
Boron, dissolved	0.002727273	0.01	114	0	200	0.01	114	0.01	114	0.01	114	0.01	114
Cadmium, dissolved	0	0	0	0	0	0	0	0	0	0	0	0	0
Calcium, dissolved	44.04545455	26.5	50	27.7	46	17.1	88	18.8	80	25.6	53	34.7	24
Chromium, dissolved	0	0	0	0	0	0.0007	200	0	0	0	0	0	0
Copper, dissolved	0.000609091	0.0013	72	0.0007	14	0.0016	90	0.0006	2	0.0014	79	0.0008	27
Iron, dissolved	0.030909091	0	200	0	200	0.02	43	0	200	0	200	0.04	26
Lead, dissolved	0.003872727	0.0053	31	0.0006	146	0.0011	112	0.0003	171	0.0031	22	0.001	118
Magnesium, dissolved	2.618181818	2	27	1.9	32	1.6	48	1.7	43	2.3	13	2.8	7
Manganese, dissolved	0.049	0.013	116	0.008	144	0	200	0.009	138	0.02	84	0.048	2
Mercury, dissolved	0	0	0	0	0	0	0	0	0	0	0	0	0
Molybdenum, dissolved	0.002690909	0.0036	29	0.0012	77	0.0009	100	0.0012	77	0.0016	51	0.0011	84
Nickel, dissolved	0	0	0	0	0	0	0	0	0	0	0	0	0
Phosphorus, ortho dissolved	0.01	0.06	143	0	200	0	200	0	200	0.02	67	0.02	67
Potassium, dissolved	0.645454545	0.7	8	0.7	8	0.5	25	0.5	25	0.7	8	0.8	21
Selenium, dissolved	0.000318182	0.0002	46	0.0003	6	0.0002	46	0.0002	46	0.0001	104	0.0002	46
Silica, dissolved	5.745454545	4.8	18	5	14	4.1	33	4.4	27	5.2	10	6	4
Silver, dissolved	0.00004	0	200	0	200	0	200	0	200	0	200	0	200
Sodium, dissolved	4.081818182	2	68	2.1	64	1.3	103	1.4	98	1.8	78	2.2	60
Thallium, dissolved	0	0	0	0	0	0	0	0	0	0	0	0	0
Uranium, dissolved	0.000109091	0	200	0	200	0	200	0	200	0	200	0	200
Vanadium, dissolved	0	0	0	0	0	0	0	0	0	0	0	0	0
Zinc, dissolved	0.152727273	0.17	11	0.06	87	0.05	101	0.05	101	0.37	83	0.26	52
Average RPD			52		69		74		69		56		47

E. Well Water ICP Results and Representative Value Calculations

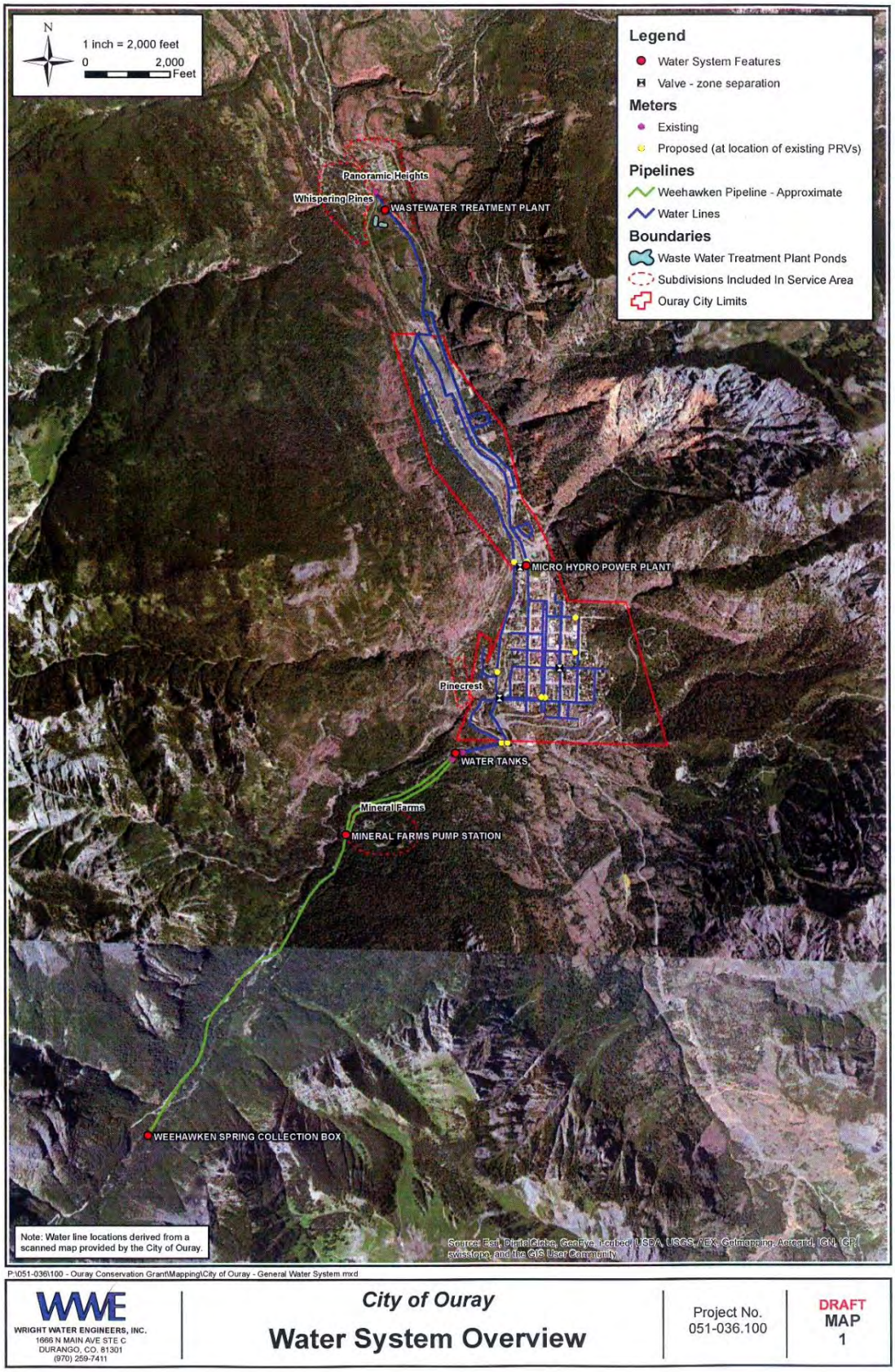
Parameters	Units	6/10/2014						7/22/2014						12/4/2014						2/13/2015					
		GW-1A	GW-1B	GW-2A	GW-2B	GW-3A	GW-3B	GW-1A	GW-1B	GW-2A	GW-2B	GW-3A	GW-3B	GW-1A	GW-1B	GW-2A	GW-2B	GW-3A	GW-3B	GW-1A	GW-1B	GW-2A	GW-2B	GW-3A	GW-3B
Aluminum, dissolved	mg/L		0.03	0.04																				0.04	
Aluminum, total	mg/L	4.22	0.42	0.94	0.57	1.65	0.3	1.04	0.24	5.12	1.62	4.36	0.83	2.73	1.06	3.38	0.85	23.4	0.73	0.54	0.07	0.09	0.06	1.48	0.05
Antimony, dissolved	mg/L	0.0027	0.0009	0.0022	0.0008	0.0011	0.0013	0.0013	0.0011	0.0013	0.0007	0.0018	0.0007	0.0008	0.0008	0.001	0.0007	0.0017	0.0007	0.0009	0.0008	0.0008	0.0007	0.0023	0.0007
Arsenic, dissolved	mg/L	0.0027	0.0007	0.0011	0.0002	0.0009	0.0005	0.0012	0.0005	0.0005	0.0005	0.0008	0.0003	0.001	0.0006	0.0005	0.0006	0.0005	0.0004	0.0007	0.0004	0.0003	0.0003	0.001	0.0003
Arsenic, total recoverable	mg/L	*NT*	*NT*	*NT*	*NT*	*NT*	*NT*	0.0062	0.001	0.031	0.0067	0.023	0.0062	0.0156	0.0032	0.0125	0.0031	0.0786	0.0031	0.0054	0.0006	0.0006	0.0005	0.009	0.0005
Barium, dissolved	mg/L	0.049	0.05	0.05	0.07	0.046	0.043	0.035	0.039	0.051	0.067	0.06	0.046	0.046	0.047	0.053	0.057	0.045	0.054	0.056	0.059	0.054	0.062	0.041	0.059
Beryllium, dissolved	mg/L																								
Bicarbonate as CaCO3	mg/L	45	30	26	31	36	35	24.3	27	27.3	35.2	32.6	31.7	34.9	35.4	26.9	30.7	34.3	30.9	38.2	37.4	26.4	28.8	46.4	32
Boron, dissolved	mg/L							0.01	0.01	0.01	0.01	0.01												0.02	
Cadmium, dissolved	mg/L													0.0002	0.0002	0.0007	0.0002	0.0007		0.0002	0.0002	0.001	0.0002	0.0005	
Cadmium, total	mg/L	*NT*	*NT*	*NT*	*NT*	*NT*	*NT*			0.0014		0.0018		0.0003	0.0002	0.001	0.0002	0.0054	0.0001	0.0002		0.0006	0.0002	0.003	
Calcium, dissolved	mg/L	40.7	35.9	29	38.9	26.8	26.3	17.1	18.8	25.6	34.7	26.5	27.7	29.2	28.2	28.2	27.8	36.7	33.1	37.2	36.6	32.2	31.2	58.7	37.3
Carbonate as CaCO3	mg/L																								
Cation-Anion Balance	%	4.2	2.3	2.9	0	6.3	3.2	-4.3	0	-3	-12.5	-3	0	0	-2.9	0	0	0	0	0	0	2.6	2.7	0	0
Chloride	mg/L	1.2	1.6	0.8	0.7		0.6									0.8		0.6	0.7	0.6	0.6			1.2	1
Chromium, dissolved	mg/L	0.0005	0.0008					0.0007																	
Chromium, Trivalent Dissolved	mg/L																								
Conductivity @25C	umhos/cm	260	38	197	248	171	171	121	123	170	217	175	181	199	191	187	186	241	213	239	235	209	205	382	237
Copper, dissolved	mg/L	0.0017	0.0028	0.0043	0.0007	0.003	0.0009	0.0016	0.0006	0.0014	0.0008	0.0013	0.0007	0.0013	0.0012	0.0008	0.0009	0.0013	0.0015					0.0007	
Copper, total	mg/L	*NT*	*NT*	*NT*	*NT*	*NT*	*NT*			0.04		0.03						0.12						0.01	

Parameters	Units	6/10/2014						7/22/2014						12/4/2014						2/13/2015					
		GW-1A	GW-1B	GW-2A	GW-2B	GW-3A	GW-3B	GW-1A	GW-1B	GW-2A	GW-2B	GW-3A	GW-3B	GW-1A	GW-1B	GW-2A	GW-2B	GW-3A	GW-3B	GW-1A	GW-1B	GW-2A	GW-2B	GW-3A	GW-3B
Cyanide, total	mg/L																								
Cyanide, WAD	mg/L																								
Dissolved Chromium, Hexavalent	mg/L																								
Fluoride	mg/L	0.23	0.27	0.35	0.27	0.18	0.2	0.24	0.23	0.28	0.27	0.27	0.25	0.17	0.16	0.25	0.24	0.22	0.21	0.17	0.15	0.19	0.19	0.23	0.18
Hardness as CaCO3	mg/L	112	98	84	109	76	75	49	54	73	98	74	77	84	81	80	79	104	92	107	105	92	89	160	104
Hydroxide as CaCO3	mg/L																								
Iron, dissolved	mg/L	0.07	0.06	0.1		0.03		0.02			0.04				0.02	0.03	0.04		0.03	0.02				0.03	
Iron, total	mg/L	3.24	0.99	1.41	0.73	1.84	0.43	1.28	0.28	9.45	2.4	6.63	2.24	3.4	1.39	4.34	1.09	23.7	1.61	0.66	0.07	0.08	0.05	1.43	0.04
Iron, total recoverable	mg/L							1.1	0.21	9.2	2.39	5.83	1.72	3.77	1.4	4.32	1.1	24.4	1.64	0.91	0.08	0.1	0.06	1.81	0.04
Lead, dissolved	mg/L	0.0171	0.0057	0.0348	0.0004	0.0013	0.0002	0.0011	0.0003	0.0031	0.001	0.0053	0.0006	0.0017	0.0016	0.0037	0.0015	0.005	0.0024	0.0003	0.0001	0.0007	0.0003	0.002	0.0007
Lead, total	mg/L	*NT*	*NT*	*NT*	*NT*	*NT*	*NT*	0.017	0.0037	0.4143	0.0147	0.5804	0.0165	0.0497	0.0124	0.12	0.0071	2.17	0.0103	0.0153	0.0015	0.0028	0.002	0.1194	0.0017
Magnesium, dissolved	mg/L	2.4	2.1	2.7	3	2.3	2.3	1.6	1.7	2.3	2.8	2	1.9	2.6	2.6	2.3	2.3	3	2.3	3.5	3.4	2.7	2.7	3.3	2.7
Manganese, dissolved	mg/L	0.054	0.027	0.038	0.008	0.011			0.009	0.02	0.048	0.013	0.008			0.007								0.013	
Mercury, dissolved	mg/L																								
Mercury, total	mg/L																	0.0003							
Molybdenum, dissolved	mg/L	0.0174	0.004	0.0024	0.0009	0.001	0.001	0.0009	0.0012	0.0016	0.0011	0.0036	0.0012	0.0011	0.0008	0.001	0.0009	0.0024	0.0007	0.0013	0.0011	0.0008	0.0006	0.0053	0.0008
Nickel, dissolved	mg/L																								
Nitrate/Nitrite as N	mg/L	1.63	1.09	0.44	0.29	0.09	0.09	0.06	0.07	0.13	0.15	0.49	0.43	0.08	0.09	0.13	0.11	0.29	0.23	0.08	0.08	0.11	0.12	1.96	0.35
Oil and Grease	mg/L																								
pH	units	8.2	8	7.6	7.7	7.8	7.8	7.4	7.5	7.4	7.4	7.6	7.5	7.7	7.7	7.3	7.5	7.6	7.5	7.7	7.7	7.3	7.4	7.7	7.4
pH measured at	deg C	20	20	20	20	21	21	20	21	21	21	19	20	19.5	19.5	19.6	19.5	19.6	19.7	21.6	21.1	21.1	21.4	21.8	21.7
Phosphorus, ortho dissolved	mg/L	0.02	0.01	0.01	0.01	0.01	0.02			0.02	0.02	0.06		0.01	0.01	0.02	0.01	0.01	0.01					0.03	

Parameters	Units	6/10/2014						7/22/2014						12/4/2014						2/13/2015					
		GW-1A	GW-1B	GW-2A	GW-2B	GW-3A	GW-3B	GW-1A	GW-1B	GW-2A	GW-2B	GW-3A	GW-3B	GW-1A	GW-1B	GW-2A	GW-2B	GW-3A	GW-3B	GW-1A	GW-1B	GW-2A	GW-2B	GW-3A	GW-3B
Potassium, dissolved	mg/L	1.2	1.3	0.8	0.7	0.6	0.6	0.5	0.5	0.7	0.8	0.7	0.7	0.6	0.6	0.6	0.7	0.7	0.7	0.6	0.6	0.7	0.7	1.2	0.7
Residue, Filterable (TDS) @180C	mg/L	170	150	120	160	160	90	70	70	100	130	110	100	122	108	116	112	152	122	154	152	134	126	284	164
Residue, Non-Filterable (TSS) @105C	mg/L	19	9	30		62		102	8	177	13	123	28	50	7	57	12	320	22	16				14	
Selenium, dissolved	mg/L	0.0005	0.0005	0.0002	0.0003	0.0003	0.0003	0.0002	0.0002	0.0001	0.0002	0.0002	0.0003	0.0003	0.0003	0.0003	0.0002	0.0002	0.0002	0.0004	0.0003	0.0003	0.0003	0.0005	0.0003
Silica, dissolved	mg/L	6.6	5.6	5.3	5.7	5.1	4.8	4.1	4.4	5.2	6	4.8	5	4.1	4.3	6.4	6.2	5.6	5.6	4.4	4.5	5.4	5.7	7.3	5.8
Silver, dissolved	mg/L	0.00008												0.00006											
Sodium, dissolved	mg/L	4.6	4.6	2.5	2.5	3.3	1.7	1.3	1.4	1.8	2.2	2	2.1	2	1.9	1.7	1.8	2.3	2.2	2.7	2.6	1.8	2	10.5	2.8
Sulfate	mg/L	62.5	68.7	55.2	76.3	37.3	36.3	30.8	29.7	55	95.8	47	49.7	53.9	49.7	53.8	49.1	72.5	62	71.6	67	64.3	59.8	128	74.6
Sum of Anions	meq/L	2.3	2.1	1.7	2.3	1.5	1.5	1.2	1.2	1.7	2.7	1.7	1.7	1.8	1.8	1.7	1.7	2.2	2	2.3	2.2	1.9	1.8	3.7	2.2
Sum of Cations	meq/L	2.5	2.2	1.8	2.3	1.7	1.6	1.1	1.2	1.6	2.1	1.6	1.7	1.8	1.7	1.7	1.7	2.2	2	2.3	2.2	2	1.9	3.7	2.2
TDS (calculated)	mg/L	149	140	115	149	99	96	71.6	74.4	109	166	105	108	115	110	113	109	144	127	145	140	125	122	241	146
TDS (ratio - measured/calculated)		1.14	1.07	1.04	1.07	1.62	0.94	0.98	0.94	0.92	0.78	1.05	0.93	1.06	0.98	1.03	1.03	1.06	0.96	1.06	1.09	1.07	1.03	1.18	1.12
Thallium, dissolved	mg/L																								
Total Alkalinity	mg/L	45	30	26	31	36	35	24.3	27	27.3	35.2	32.6	31.7	34.9	35.4	26.9	30.7	34.3	30.9	38.2	37.4	26.4	28.8	46.4	32
Uranium, dissolved	mg/L	0.0002	0.0001											0.0003	0.0001		0.0001							0.0002	
Vanadium, dissolved	mg/L																								
Zinc, dissolved	mg/L	0.04	0.06	0.43	0.31	0.07	0.06	0.05	0.05	0.37	0.26	0.17	0.06	0.08	0.08	0.52	0.27	0.34	0.1	0.08	0.08	0.57	0.3	0.27	0.1
Zinc, total	mg/L	*NT*	*NT*	*NT*	*NT*	*NT*	*NT*	0.07	0.05	0.72	0.3	0.7	0.08	0.12	0.1	0.65	0.29	2.13	0.11	0.08	0.08	0.56	0.3	0.37	0.1

Note: *NT* means Not Tested

F. Map of City of Ouray Water System



*Note that map is not to scale

G. CDPHE Human Health Standards

Domestic Water Supply – Human Health Standards

Parameter	Standard[1]
Biological	
Total Coliforms (30 day average)	2.2 [a]org/100 ml
Total Coliforms (max in 30 days)	23org/100 ml
Inorganic	
Antimony (Sb)[d, M]	0.006mg/l
Asbestos [M]	7,000,000fibers/Liter
Arsenic (As)[d, M]	0.01mg/l
Barium (Ba)[d, M]	2.0mg/l
Beryllium (Be)[d, M]	0.004mg/l
Cadmium (Cd)[d, M]	0.005mg/l
Chromium (Cr)[c, d, M]	0.1mg/l
Cyanide [Free] (CN)[M]	0.2mg/l
Fluoride (F)[d, M]	4.0mg/l
Lead (Pb)[d]	0.05mg/l
Mercury (inorganic) (Hg)[d,M]	0.002mg/l
Molybdenum (Mo) [d]	0.21mg/l
Nickel (Ni)[d]	0.1mg/l
Nitrate (NO3)[d, M]	10.0mg/l as N
Nitrite (NO2)[d, M]	1.0mg/l as N
Total Nitrate+Nitrite (NO_2+NO_3-N)[d, f]	10.0mg/l as N
Selenium (Se)[d, M]	0.05mg/l
Silver (Ag)[d]	0.05mg/l
Thallium (Tl)[d, M]	0.002mg/l
Uranium (U) [d, 2]	0.0168 to 0.03[M]mg/l
Radiological[b, d]	
Gross Alpha Particle Activity[j, M]	15 pCi/l
Beta and Photon Emitters[e]	4 mrem/year

Domestic Water Supply – Drinking Water Standards

Parameter	Standard
Chlorophenol	0.0002 mg/l
Chloride (Cl)[d]	250 mg/l
Color	15 color units
Copper (Cu)[d]	1 mg/l
Corrosivity	Noncorrosive
Foaming Agents	0.5 mg/l
Iron (Fe)[d]	0.3 mg/l
Manganese (Mn)[d]	0.05 mg/l
Odor	3 threshold odor numbers
pH	6.5 - 8.5
Phenol	0.3 mg/l
Sulfate (SO_4)[d]	250 mg/l
Zinc (Zn)[d]	5 mg/l

H. CDPHE Agricultural Standards

Agricultural Standards

Parameter	Standard
Aluminum (Al)[d, f]	5 mg/l
Arsenic (As)[d]	0.1 mg/l
Beryllium (Be)[d]	0.1 mg/l
Boron (B)[d, g]	0.75 mg/l
Cadmium (Cd)[d]	0.01 mg/l
Chromium (Cr)[d]	0.1 mg/l
Cobalt (Co)[d]	0.05 mg/l
Copper (Cu)[d]	0.2 mg/l
Fluoride (F)[d]	2 mg/l
Iron (Fe)[d]	5 mg/l
Lead (Pb)[d, f]	0.1 mg/l
Lithium (Li)[d, h]	2.5 mg/l
Manganese (Mn)[d, j]	0.2 mg/l
Mercury (Hg)[d, f]	0.01 mg/l
Nickel (Ni)[d]	0.2 mg/l
Nitrite (NO2-N)[d, f]	10 mg/l as N
Nitrite & Nitrate(NO2 +NO3-N)[d, f]	100 mg/l as N
Selenium (Se)[d]	0.02 mg/l
Vanadium (V)[d]	0.1 mg/l
Zinc (Zn)[d]	2 mg/l
pH	6.5 - 8.5

Background TDS Value (mg/l)	Maximum Allowable TDS Concentrations
0 - 500	400 mg/l or 1.25 times the background level, whichever is least restrictive
501 - 10,000	1.25 times the background value
10,001 or greater	No limit

Bibliography

[1] Water Quality Control Comission, "Regulation No. 35 Classifications and Numeric Standards for Gunnison and Lower Dolores River Basins," Colorado Department of Public Health and Environment, Denver, 2014.

[2] Water Quality Control Comission, " Regulation No. 41 The Basic Standards for Ground Water," Colorado Department of Public Health and Environment, Denver, 2013.

[3] Wright Water Engineers, Inc., "Water Efficiency Plan," City of Ouray, Ouray, 2014.

[4] State of Colorado, "Judicial Branch Water Courts," Judicial Branch - State of Colorado, [Online]. Available: http://www.courts.state.co.us/Courts/Water/Index.cfm. [Accessed July 2014].

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ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

August 09, 2021

Report to:
Briana Greer
Ouray Silver Mines
105 Meadow Estates Dr.

Ridgway, CO 81432

cc: Accounts Payable, Chris Bolane

Bill to:
Accounts Payable
Ouray Silver Mines
1900 Main St
PO Box 564
Ouray, CO 81427

Project ID:
ACZ Project ID: L67252

Briana Greer:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on July 21, 2021. This project has been assigned to ACZ's project number, L67252. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L67252. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after September 08, 2021. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

Bill Lane has reviewed and approved this report

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Ouray Silver Mines
Project ID:
Sample ID: GW-3R

ACZ Sample ID: ***L67252-01***
Date Sampled: *07/20/21 09:50*
Date Received: *07/21/21*
Sample Matrix: *Groundwater*

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cyanide, total	M335.4 - Manual Distillation		-						08/02/21 10:59	md
Phosphorus, total	M365.1 - Auto Ascorbic Acid Digestion								07/23/21 15:02	mjj1/m

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP	1	<0.05	U		mg/L	0.05	0.25	07/27/21 17:50	jlw
Antimony, dissolved	M200.8 ICP-MS	1	0.00103	B		mg/L	0.0004	0.002	07/29/21 11:25	bsu
Arsenic, dissolved	M200.8 ICP-MS	1	0.00043	B		mg/L	0.0002	0.001	07/29/21 11:25	bsu
Barium, dissolved	M200.7 ICP	1	0.0309	B		mg/L	0.007	0.035	07/27/21 17:50	jlw
Beryllium, dissolved	M200.8 ICP-MS	1	<0.00008	U		mg/L	0.00008	0.00025	07/29/21 15:45	mfm
Boron, dissolved	M200.7 ICP	1	<0.03	U		mg/L	0.03	0.1	07/27/21 17:50	jlw
Cadmium, dissolved	M200.8 ICP-MS	1	0.000226	B		mg/L	0.00005	0.00025	07/29/21 11:25	bsu
Calcium, dissolved	M200.7 ICP	1	28.1			mg/L	0.1	0.5	07/27/21 17:50	jlw
Chromium, dissolved	M200.8 ICP-MS	1	<0.0005	U		mg/L	0.0005	0.002	07/29/21 15:45	mfm
Copper, dissolved	M200.8 ICP-MS	1	<0.0008	U		mg/L	0.0008	0.002	07/29/21 15:45	mfm
Iron, dissolved	M200.7 ICP	1	<0.06	U		mg/L	0.06	0.15	07/27/21 17:50	jlw
Lead, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	07/29/21 11:25	bsu
Magnesium, dissolved	M200.7 ICP	1	1.61			mg/L	0.2	1	07/27/21 17:50	jlw
Manganese, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.05	07/27/21 17:50	jlw
Mercury, dissolved	M245.1 CVAA	1	<0.0002	U		mg/L	0.0002	0.001	07/27/21 12:41	mlh
Molybdenum, dissolved	M200.8 ICP-MS	1	0.00074			mg/L	0.0002	0.0005	07/29/21 11:25	bsu
Nickel, dissolved	M200.7 ICP	1	<0.008	U		mg/L	0.008	0.04	07/27/21 17:50	jlw
Potassium, dissolved	M200.7 ICP	1	0.52	B		mg/L	0.2	1	07/27/21 17:50	jlw
Selenium, dissolved	M200.8 ICP-MS	1	0.00016	B		mg/L	0.0001	0.00025	08/04/21 14:16	mfm
Silica, dissolved	M200.7 ICP	1	4.8			mg/L	0.2	1	07/27/21 17:50	jlw
Silver, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	07/29/21 15:45	mfm
Sodium, dissolved	M200.7 ICP	1	2.92			mg/L	0.2	1	07/27/21 17:50	jlw
Thallium, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	07/29/21 15:45	mfm
Uranium, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	07/29/21 11:25	bsu
Vanadium, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.025	07/27/21 17:50	jlw
Zinc, dissolved	M200.7 ICP	1	0.138			mg/L	0.02	0.05	07/27/21 17:50	jlw

Ouray Silver Mines
Project ID:
Sample ID: GW-3R

ACZ Sample ID: ***L67252-01***
Date Sampled: *07/20/21 09:50*
Date Received: *07/21/21*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	30.5			mg/L	2	20	07/28/21 0:00	emk
Carbonate as CaCO3		1	<2	U		mg/L	2	20	07/28/21 0:00	emk
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	07/28/21 0:00	emk
Total Alkalinity		1	30.5			mg/L	2	20	07/28/21 0:00	emk
Cation-Anion Balance	Calculation									
Cation-Anion Balance			3.0			%			08/09/21 0:00	calc
Sum of Anions			1.6			meq/L			08/09/21 0:00	calc
Sum of Cations			1.7			meq/L			08/09/21 0:00	calc
Chloride	SM4500Cl-E	1	<0.5	U		mg/L	0.5	2	08/04/21 15:23	syw
Conductivity @25C	SM2510B	1	181			umhos/cm	1	10	07/28/21 22:22	emk
Cyanide, total	M335.4 - Colorimetric w/ distillation	0.5	<0.003	U	*	mg/L	0.003	0.01	08/03/21 13:21	md
Fluoride	SM4500F-C	1	0.21	B		mg/L	0.15	0.35	07/29/21 15:22	eep
Hardness as CaCO3 (dissolved)	SM2340B - Calculation		77			mg/L	0.2	5	08/09/21 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1	0.266			mg/L	0.02	0.1	07/29/21 1:28	pjb
pH (lab)	SM4500H+ B									
pH		1	7.8	H		units	0.1	0.1	07/28/21 0:00	emk
pH measured at		1	22.4			C	0.1	0.1	07/28/21 0:00	emk
Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	1	<0.01	U	*	mg/L	0.01	0.05	07/31/21 2:46	pjb
Residue, Filterable (TDS) @180C	SM2540C	1	108			mg/L	20	40	07/21/21 19:46	jck
Residue, Non-Filterable (TSS) @105C	SM2540D	1	5.0	B	*	mg/L	5	20	07/22/21 14:21	scd
Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	5	46.8		*	mg/L	5	25	08/03/21 8:52	syw
TDS (calculated)	Calculation		105			mg/L			08/09/21 0:00	calc
TDS (ratio - measured/calculated)	Calculation		1.03						08/09/21 0:00	calc

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5). Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level"
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4)	EPA SW-846. Test Methods for Evaluating Solid Waste.
(5)	Standard Methods for the Examination of Water and Wastewater.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5)	If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click:
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

REP001.03.15.02

Ouray Silver Mines

ACZ Project ID: ***L67252***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Alkalinity as CaCO3 SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG524234													
WG524234PBW1	PBW	07/28/21 17:21				U	mg/L		-20	20			
WG524234LCSW3	LCSW	07/28/21 17:40	WC210721-3	820.0001		804.8	mg/L	98	90	110			
WG524234LCSW6	LCSW	07/28/21 21:22	WC210721-3	820.0001		822.7	mg/L	100	90	110			
WG524234PBW2	PBW	07/28/21 21:29				U	mg/L		-20	20			
L67259-01DUP	DUP	07/28/21 22:55			238	280.5	mg/L				16	20	
WG524234LCSW9	LCSW	07/29/21 0:52	WC210721-3	820.0001		811.9	mg/L	99	90	110			
WG524234PBW3	PBW	07/29/21 0:59				U	mg/L		-20	20			
WG524234LCSW12	LCSW	07/29/21 4:15	WC210721-3	820.0001		813.6	mg/L	99	90	110			
WG524234PBW4	PBW	07/29/21 4:22				U	mg/L		-20	20			
WG524234LCSW15	LCSW	07/29/21 7:47	WC210721-3	820.0001		816.7	mg/L	100	90	110			

Aluminum, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG523982													
WG523982ICV	ICV	07/27/21 16:48	II210720-1	2		1.964	mg/L	98	95	105			
WG523982ICB	ICB	07/27/21 16:54				U	mg/L		-0.15	0.15			
WG523982LFB	LFB	07/27/21 17:06	II210714-2	1.0008		1.02	mg/L	102	85	115			
L41361-192AS	AS	07/27/21 17:12	II210714-2	1.0008	U	1.017	mg/L	102	85	115			
L41361-192ASD	ASD	07/27/21 17:15	II210714-2	1.0008	U	1.013	mg/L	101	85	115	0	20	

Antimony, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG524288													
WG524288ICV	ICV	07/29/21 11:18	MS210727-2	.0201		.0192	mg/L	96	90	110			
WG524288ICB	ICB	07/29/21 11:20				U	mg/L		-0.00088	0.00088			
WG524288LFB	LFB	07/29/21 11:21	MS210727-5	.01		.00861	mg/L	86	85	115			
L67269-02AS	AS	07/29/21 11:30	MS210727-5	.02	U	.01532	mg/L	77	70	130			
L67269-02ASD	ASD	07/29/21 11:32	MS210727-5	.02	U	.018	mg/L	90	70	130	16	20	

Arsenic, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG524288													
WG524288ICV	ICV	07/29/21 11:18	MS210727-2	.05		.05189	mg/L	104	90	110			
WG524288ICB	ICB	07/29/21 11:20				U	mg/L		-0.00044	0.00044			
WG524288LFB	LFB	07/29/21 11:21	MS210727-5	.05005		.04698	mg/L	94	85	115			
L67269-02AS	AS	07/29/21 11:30	MS210727-5	.1001	.00156	.08845	mg/L	87	70	130			
L67269-02ASD	ASD	07/29/21 11:32	MS210727-5	.1001	.00156	.1083	mg/L	107	70	130	20	20	

Barium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG523982													
WG523982ICV	ICV	07/27/21 16:48	II210720-1	2		1.9942	mg/L	100	95	105			
WG523982ICB	ICB	07/27/21 16:54				U	mg/L		-0.021	0.021			
WG523982LFB	LFB	07/27/21 17:06	II210714-2	.5		.4927	mg/L	99	85	115			
L41361-192AS	AS	07/27/21 17:12	II210714-2	.5	.0288	.5208	mg/L	98	85	115			
L41361-192ASD	ASD	07/27/21 17:15	II210714-2	.5	.0288	.5191	mg/L	98	85	115	0	20	

Ouray Silver Mines ACZ Project ID: ***L67252***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Beryllium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG524320													
WG524320ICV	ICV	07/29/21 15:18	MS210727-2	.05		.048889	mg/L	98	90	110			
WG524320ICB	ICB	07/29/21 15:20				U	mg/L		-0.000176	0.000176			
WG524320LFB	LFB	07/29/21 15:22	MS210727-5	.05005		.046978	mg/L	94	85	115			
L67234-02AS	AS	07/29/21 15:31	MS210727-5	.05005	U	.044555	mg/L	89	70	130			
L67234-02ASD	ASD	07/29/21 15:32	MS210727-5	.05005	U	.045373	mg/L	91	70	130	2	20	

Boron, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG523982													
WG523982ICV	ICV	07/27/21 16:48	II210720-1	2		1.99	mg/L	100	95	105			
WG523982ICB	ICB	07/27/21 16:54				U	mg/L		-0.09	0.09			
WG523982LFB	LFB	07/27/21 17:06	II210714-2	.5005		.506	mg/L	101	85	115			
L41361-192AS	AS	07/27/21 17:12	II210714-2	.5005	U	.505	mg/L	101	85	115			
L41361-192ASD	ASD	07/27/21 17:15	II210714-2	.5005	U	.504	mg/L	101	85	115	0	20	

Cadmium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG524288													
WG524288ICV	ICV	07/29/21 11:18	MS210727-2	.05		.051725	mg/L	103	90	110			
WG524288ICB	ICB	07/29/21 11:20				U	mg/L		-0.00011	0.00011			
WG524288LFB	LFB	07/29/21 11:21	MS210727-5	.05005		.045105	mg/L	90	85	115			
L67269-02AS	AS	07/29/21 11:30	MS210727-5	.1001	U	.078575	mg/L	78	70	130			
L67269-02ASD	ASD	07/29/21 11:32	MS210727-5	.1001	U	.096124	mg/L	96	70	130	20	20	

Calcium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG523982													
WG523982ICV	ICV	07/27/21 16:48	II210720-1	100		99.63	mg/L	100	95	105			
WG523982ICB	ICB	07/27/21 16:54				.12	mg/L		-0.3	0.3			
WG523982LFB	LFB	07/27/21 17:06	II210714-2	67.99734		69.41	mg/L	102	85	115			
L41361-192AS	AS	07/27/21 17:12	II210714-2	67.99734	43.5	111.4	mg/L	100	85	115			
L41361-192ASD	ASD	07/27/21 17:15	II210714-2	67.99734	43.5	110.4	mg/L	98	85	115	1	20	

Chloride SM4500Cl-E

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG524686													
WG524686ICB	ICB	08/04/21 9:09				U	mg/L		-1.5	1.5			
WG524686ICV	ICV	08/04/21 9:09	WI210503-1	54.89		54.85	mg/L	100	90	110			
WG524686LFB1	LFB	08/04/21 15:19	WI200327-3	30.03		32.66	mg/L	109	90	110			
WG524686LFB2	LFB	08/04/21 15:23	WI200327-3	30.03		32.86	mg/L	109	90	110			
L67278-03AS	AS	08/04/21 15:29	WI200327-3	30.03	40.8	69.22	mg/L	95	90	110			
L67278-04DUP	DUP	08/04/21 15:29			37.7	37.62	mg/L				0	20	

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ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

July 14, 2021

Report to:
Briana Greer
Ouray Silver Mines
285 S. Madison Ave.

Louisville, CO 80027

cc: Accounts Payable, Chris Bolane

Bill to:
Accounts Payable
Ouray Silver Mines
1900 Main St
PO Box 564
Ouray, CO 81427

Project ID:
ACZ Project ID: L66632

Briana Greer:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on June 18, 2021. This project has been assigned to ACZ's project number, L66632. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L66632. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after August 13, 2021. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

Ouray Silver Mines
Project ID:
Sample ID: GW-1A

ACZ Sample ID: ***L66632-01***
Date Sampled: *06/17/21 08:00*
Date Received: *06/18/21*
Sample Matrix: *Groundwater*

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cyanide, total	M335.4 - Manual Distillation								06/30/21 15:31	syw
Phosphorus, total	M365.1 - Auto Ascorbic Acid Digestion								06/29/21 11:28	emh

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP	1	<0.05	U		mg/L	0.05	0.25	06/23/21 19:47	jlw
Antimony, dissolved	M200.8 ICP-MS	1	0.00095	B		mg/L	0.0004	0.002	07/02/21 18:05	bsu
Arsenic, dissolved	M200.8 ICP-MS	1	0.00079	B		mg/L	0.0002	0.001	07/02/21 18:05	bsu
Barium, dissolved	M200.7 ICP	1	0.0314	B		mg/L	0.007	0.035	06/23/21 19:47	jlw
Beryllium, dissolved	M200.8 ICP-MS	1	<0.00008	U		mg/L	0.00008	0.00025	07/02/21 18:05	bsu
Boron, dissolved	M200.7 ICP	1	<0.03	U		mg/L	0.03	0.1	06/23/21 19:47	jlw
Cadmium, dissolved	M200.8 ICP-MS	1	0.000140	B		mg/L	0.00005	0.00025	07/02/21 18:05	bsu
Calcium, dissolved	M200.7 ICP	1	19.7		*	mg/L	0.1	0.5	06/23/21 19:47	jlw
Chromium, dissolved	M200.8 ICP-MS	1	<0.0005	U		mg/L	0.0005	0.002	07/02/21 18:05	bsu
Copper, dissolved	M200.8 ICP-MS	1	0.00102	B		mg/L	0.0008	0.002	07/02/21 18:05	bsu
Iron, dissolved	M200.7 ICP	1	<0.06	U		mg/L	0.06	0.15	06/23/21 19:47	jlw
Lead, dissolved	M200.8 ICP-MS	1	0.00224			mg/L	0.0001	0.0005	07/02/21 18:05	bsu
Magnesium, dissolved	M200.7 ICP	1	1.61			mg/L	0.2	1	06/23/21 19:47	jlw
Manganese, dissolved	M200.7 ICP	1	<0.01	U	*	mg/L	0.01	0.05	06/23/21 19:47	jlw
Mercury, dissolved	M245.1 CVAA	1	<0.0002	U		mg/L	0.0002	0.001	06/23/21 14:58	mlh
Molybdenum, dissolved	M200.8 ICP-MS	1	0.00088			mg/L	0.0002	0.0005	07/02/21 18:05	bsu
Nickel, dissolved	M200.7 ICP	1	<0.008	U		mg/L	0.008	0.04	06/23/21 19:47	jlw
Potassium, dissolved	M200.7 ICP	1	0.64	B		mg/L	0.2	1	06/23/21 19:47	jlw
Selenium, dissolved	M200.8 ICP-MS	1	0.00016	B		mg/L	0.0001	0.00025	07/02/21 18:05	bsu
Silica, dissolved	M200.7 ICP	1	4.6			mg/L	0.2	1	06/23/21 19:47	jlw
Silver, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	07/02/21 18:05	bsu
Sodium, dissolved	M200.7 ICP	1	1.98		*	mg/L	0.2	1	06/23/21 19:47	jlw
Thallium, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	07/02/21 18:05	bsu
Uranium, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	07/02/21 18:05	bsu
Vanadium, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.025	06/23/21 19:47	jlw
Zinc, dissolved	M200.7 ICP	1	0.054			mg/L	0.02	0.05	06/23/21 19:47	jlw

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

Ouray Silver Mines
Project ID:
Sample ID: GW-1A

ACZ Sample ID: ***L66632-01***
Date Sampled: *06/17/21 08:00*
Date Received: *06/18/21*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	33.0			mg/L	2	20	06/24/21 0:00	jck
Carbonate as CaCO3		1	<2	U		mg/L	2	20	06/24/21 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	06/24/21 0:00	jck
Total Alkalinity		1	33.0			mg/L	2	20	06/24/21 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			0.0			%			07/14/21 0:00	calc
Sum of Anions			1.2			meq/L			07/14/21 0:00	calc
Sum of Cations			1.2			meq/L			07/14/21 0:00	calc
Chloride	SM4500Cl-E	1	0.58	B	*	mg/L	0.5	2	07/12/21 15:41	syw
Conductivity @25C	SM2510B	1	129			umhos/cm	1	10	06/24/21 23:42	jck
Cyanide, total	M335.4 - Colorimetric w/ distillation	0.5	<0.003	U	*	mg/L	0.003	0.01	07/01/21 16:59	syw
Fluoride	SM4500F-C	1	0.23	B		mg/L	0.15	0.35	06/30/21 16:24	eep
Hardness as CaCO3 (dissolved)	SM2340B - Calculation		56			mg/L	0.2	5	07/14/21 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1	0.259			mg/L	0.02	0.1	06/26/21 20:59	pjb
pH (lab)	SM4500H+ B									
pH		1	7.7	H		units	0.1	0.1	06/24/21 0:00	jck
pH measured at		1	20.0			C	0.1	0.1	06/24/21 0:00	jck
Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	1	<0.01	U	*	mg/L	0.01	0.05	06/29/21 23:52	pjb
Residue, Filterable (TDS) @180C	SM2540C	1	72		*	mg/L	20	40	06/24/21 13:59	jck
Residue, Non-Filterable (TSS) @105C	SM2540D	1	<5	U	*	mg/L	5	20	06/24/21 10:02	cgm
Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	5	25.1		*	mg/L	5	25	07/13/21 13:22	wtc
TDS (calculated)	Calculation		75.9			mg/L			07/14/21 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.95						07/14/21 0:00	calc

Ouray Silver Mines
Project ID:
Sample ID: GW-1B

ACZ Sample ID: ***L66632-02***
Date Sampled: *06/17/21 09:00*
Date Received: *06/18/21*
Sample Matrix: *Groundwater*

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cyanide, total	M335.4 - Manual Distillation								06/30/21 15:46	syw
Phosphorus, total	M365.1 - Auto Ascorbic Acid Digestion								06/29/21 11:36	emh

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP	1	<0.05	U		mg/L	0.05	0.25	06/23/21 19:50	jlw
Antimony, dissolved	M200.8 ICP-MS	1	0.00090	B		mg/L	0.0004	0.002	07/02/21 18:14	bsu
Arsenic, dissolved	M200.8 ICP-MS	1	0.00054	B		mg/L	0.0002	0.001	07/08/21 18:28	bsu
Barium, dissolved	M200.7 ICP	1	0.0309	B		mg/L	0.007	0.035	06/23/21 19:50	jlw
Beryllium, dissolved	M200.8 ICP-MS	1	<0.00008	U		mg/L	0.00008	0.00025	07/02/21 18:14	bsu
Boron, dissolved	M200.7 ICP	1	<0.03	U		mg/L	0.03	0.1	06/23/21 19:50	jlw
Cadmium, dissolved	M200.8 ICP-MS	1	0.000127	B		mg/L	0.00005	0.00025	07/02/21 18:14	bsu
Calcium, dissolved	M200.7 ICP	1	19.9		*	mg/L	0.1	0.5	06/23/21 19:50	jlw
Chromium, dissolved	M200.8 ICP-MS	1	<0.0005	U		mg/L	0.0005	0.002	07/08/21 18:28	bsu
Copper, dissolved	M200.8 ICP-MS	1	<0.0008	U		mg/L	0.0008	0.002	07/08/21 18:28	bsu
Iron, dissolved	M200.7 ICP	1	<0.06	U		mg/L	0.06	0.15	06/23/21 19:50	jlw
Lead, dissolved	M200.8 ICP-MS	1	0.00019	B		mg/L	0.0001	0.0005	07/02/21 18:14	bsu
Magnesium, dissolved	M200.7 ICP	1	1.64			mg/L	0.2	1	06/23/21 19:50	jlw
Manganese, dissolved	M200.7 ICP	1	<0.01	U	*	mg/L	0.01	0.05	06/23/21 19:50	jlw
Mercury, dissolved	M245.1 CVAA	1	<0.0002	U		mg/L	0.0002	0.001	06/23/21 14:59	mlh
Molybdenum, dissolved	M200.8 ICP-MS	1	0.00091			mg/L	0.0002	0.0005	07/02/21 18:14	bsu
Nickel, dissolved	M200.7 ICP	1	<0.008	U		mg/L	0.008	0.04	06/23/21 19:50	jlw
Potassium, dissolved	M200.7 ICP	1	0.60	B		mg/L	0.2	1	06/23/21 19:50	jlw
Selenium, dissolved	M200.8 ICP-MS	1	0.00019	B		mg/L	0.0001	0.00025	07/02/21 18:14	bsu
Silica, dissolved	M200.7 ICP	1	4.7			mg/L	0.2	1	06/23/21 19:50	jlw
Silver, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	07/02/21 18:14	bsu
Sodium, dissolved	M200.7 ICP	1	1.74		*	mg/L	0.2	1	06/23/21 19:50	jlw
Thallium, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	07/02/21 18:14	bsu
Uranium, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	07/02/21 18:14	bsu
Vanadium, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.025	06/23/21 19:50	jlw
Zinc, dissolved	M200.7 ICP	1	0.050			mg/L	0.02	0.05	06/23/21 19:50	jlw

Ouray Silver Mines
Project ID:
Sample ID: GW-1B

ACZ Sample ID: ***L66632-02***
Date Sampled: *06/17/21 09:00*
Date Received: *06/18/21*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	32.6			mg/L	2	20	06/24/21 0:00	jck
Carbonate as CaCO3		1	<2	U		mg/L	2	20	06/24/21 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	06/24/21 0:00	jck
Total Alkalinity		1	32.6			mg/L	2	20	06/24/21 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			-7.7			%			07/14/21 0:00	calc
Sum of Anions			1.4			meq/L			07/14/21 0:00	calc
Sum of Cations			1.2			meq/L			07/14/21 0:00	calc
Chloride	SM4500Cl-E	1	<0.5	U	*	mg/L	0.5	2	07/12/21 15:41	syw
Conductivity @25C	SM2510B	1	128			umhos/cm	1	10	06/24/21 23:50	jck
Cyanide, total	M335.4 - Colorimetric w/ distillation	0.5	<0.003	U	*	mg/L	0.003	0.01	07/01/21 17:00	syw
Fluoride	SM4500F-C	1	0.20	B		mg/L	0.15	0.35	06/30/21 16:28	eep
Hardness as CaCO3 (dissolved)	SM2340B - Calculation		56			mg/L	0.2	5	07/14/21 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1	0.260			mg/L	0.02	0.1	06/26/21 21:05	pjb
pH (lab)	SM4500H+ B									
pH		1	7.7	H		units	0.1	0.1	06/24/21 0:00	jck
pH measured at		1	20.0			C	0.1	0.1	06/24/21 0:00	jck
Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	1	<0.01	U	*	mg/L	0.01	0.05	06/29/21 23:53	pjb
Residue, Filterable (TDS) @180C	SM2540C	1	72		*	mg/L	20	40	06/24/21 14:02	jck
Residue, Non-Filterable (TSS) @105C	SM2540D	1	5.0	B	*	mg/L	5	20	06/24/21 10:04	cgm
Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	1	34.3		*	mg/L	1	5	07/13/21 12:44	wtc
TDS (calculated)	Calculation		84.3			mg/L			07/14/21 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.85						07/14/21 0:00	calc

Ouray Silver Mines
Project ID:
Sample ID: GW-99

ACZ Sample ID: ***L66632-03***
Date Sampled: *06/17/21 08:30*
Date Received: *06/18/21*
Sample Matrix: *Groundwater*

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cyanide, total	M335.4 - Manual Distillation								06/30/21 16:02	syw
Phosphorus, total	M365.1 - Auto Ascorbic Acid Digestion								06/29/21 11:44	emh

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP	1	<0.05	U		mg/L	0.05	0.25	06/23/21 19:53	jlw
Antimony, dissolved	M200.8 ICP-MS	1	0.00095	B		mg/L	0.0004	0.002	07/02/21 18:16	bsu
Arsenic, dissolved	M200.8 ICP-MS	1	0.00059	B		mg/L	0.0002	0.001	07/02/21 18:16	bsu
Barium, dissolved	M200.7 ICP	1	0.0297	B		mg/L	0.007	0.035	06/23/21 19:53	jlw
Beryllium, dissolved	M200.8 ICP-MS	1	<0.00008	U		mg/L	0.00008	0.00025	07/02/21 18:16	bsu
Boron, dissolved	M200.7 ICP	1	<0.03	U		mg/L	0.03	0.1	06/23/21 19:53	jlw
Cadmium, dissolved	M200.8 ICP-MS	1	0.000126	B		mg/L	0.00005	0.00025	07/02/21 18:16	bsu
Calcium, dissolved	M200.7 ICP	1	19.5			mg/L	0.1	0.5	06/23/21 19:53	jlw
Chromium, dissolved	M200.8 ICP-MS	1	<0.0005	U		mg/L	0.0005	0.002	07/02/21 18:16	bsu
Copper, dissolved	M200.8 ICP-MS	1	<0.0008	U		mg/L	0.0008	0.002	07/02/21 18:16	bsu
Iron, dissolved	M200.7 ICP	1	<0.06	U		mg/L	0.06	0.15	06/23/21 19:53	jlw
Lead, dissolved	M200.8 ICP-MS	1	0.00015	B		mg/L	0.0001	0.0005	07/02/21 18:16	bsu
Magnesium, dissolved	M200.7 ICP	1	1.58			mg/L	0.2	1	06/23/21 19:53	jlw
Manganese, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.05	06/23/21 19:53	jlw
Mercury, dissolved	M245.1 CVAA	1	<0.0002	U		mg/L	0.0002	0.001	06/23/21 15:00	mlh
Molybdenum, dissolved	M200.8 ICP-MS	1	0.00090			mg/L	0.0002	0.0005	07/02/21 18:16	bsu
Nickel, dissolved	M200.7 ICP	1	<0.008	U		mg/L	0.008	0.04	06/23/21 19:53	jlw
Potassium, dissolved	M200.7 ICP	1	0.61	B		mg/L	0.2	1	06/23/21 19:53	jlw
Selenium, dissolved	M200.8 ICP-MS	1	0.00018	B		mg/L	0.0001	0.00025	07/02/21 18:16	bsu
Silica, dissolved	M200.7 ICP	1	4.5			mg/L	0.2	1	06/23/21 19:53	jlw
Silver, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	07/02/21 18:16	bsu
Sodium, dissolved	M200.7 ICP	1	7.11			mg/L	0.2	1	06/23/21 19:53	jlw
Thallium, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	07/02/21 18:16	bsu
Uranium, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	07/02/21 18:16	bsu
Vanadium, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.025	06/23/21 19:53	jlw
Zinc, dissolved	M200.7 ICP	1	0.049	B		mg/L	0.02	0.05	06/23/21 19:53	jlw

Ouray Silver Mines
Project ID:
Sample ID: GW-99

ACZ Sample ID: ***L66632-03***
Date Sampled: *06/17/21 08:30*
Date Received: *06/18/21*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	33.1			mg/L	2	20	06/24/21 0:00	jck
Carbonate as CaCO3		1	<2	U		mg/L	2	20	06/24/21 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	06/24/21 0:00	jck
Total Alkalinity		1	33.1			mg/L	2	20	06/24/21 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			0.0			%			07/14/21 0:00	calc
Sum of Anions			1.4			meq/L			07/14/21 0:00	calc
Sum of Cations			1.4			meq/L			07/14/21 0:00	calc
Chloride	SM4500Cl-E	1	<0.5	U	*	mg/L	0.5	2	07/12/21 15:41	syw
Conductivity @25C	SM2510B	1	129			umhos/cm	1	10	06/24/21 23:58	jck
Cyanide, total	M335.4 - Colorimetric w/ distillation	0.5	<0.003	U	*	mg/L	0.003	0.01	07/01/21 17:02	syw
Fluoride	SM4500F-C	1	0.18	B		mg/L	0.15	0.35	06/30/21 16:46	eep
Hardness as CaCO3 (dissolved)	SM2340B - Calculation		55			mg/L	0.2	5	07/14/21 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1	0.254			mg/L	0.02	0.1	06/26/21 21:06	pjb
pH (lab)	SM4500H+ B									
pH		1	7.7	H		units	0.1	0.1	06/24/21 0:00	jck
pH measured at		1	19.9			C	0.1	0.1	06/24/21 0:00	jck
Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	1	<0.01	U	*	mg/L	0.01	0.05	06/29/21 23:55	pjb
Residue, Filterable (TDS) @180C	SM2540C	1	76		*	mg/L	20	40	06/24/21 14:04	jck
Residue, Non-Filterable (TSS) @105C	SM2540D	1	<5	U	*	mg/L	5	20	06/24/21 10:07	cgm
Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	1	33.3		*	mg/L	1	5	07/13/21 12:44	wtc
TDS (calculated)	Calculation		88.2			mg/L			07/14/21 0:00	calc
TDS (ratio - measured/calculated)	Calculation		0.86						07/14/21 0:00	calc

Ouray Silver Mines
Project ID:
Sample ID: GW-2A

ACZ Sample ID: ***L66632-04***
Date Sampled: *06/17/21 11:15*
Date Received: *06/18/21*
Sample Matrix: *Groundwater*

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cyanide, total	M335.4 - Manual Distillation								06/30/21 16:10	syw
Phosphorus, total	M365.1 - Auto Ascorbic Acid Digestion								06/29/21 11:52	emh

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP	1	<0.05	U		mg/L	0.05	0.25	06/23/21 19:56	jlw
Antimony, dissolved	M200.8 ICP-MS	1	0.00092	B		mg/L	0.0004	0.002	07/02/21 18:18	bsu
Arsenic, dissolved	M200.8 ICP-MS	1	0.00025	B		mg/L	0.0002	0.001	07/02/21 18:18	bsu
Barium, dissolved	M200.7 ICP	1	0.0374			mg/L	0.007	0.035	06/23/21 19:56	jlw
Beryllium, dissolved	M200.8 ICP-MS	1	<0.00008	U		mg/L	0.00008	0.00025	07/02/21 18:18	bsu
Boron, dissolved	M200.7 ICP	1	<0.03	U		mg/L	0.03	0.1	06/23/21 19:56	jlw
Cadmium, dissolved	M200.8 ICP-MS	1	0.000479			mg/L	0.00005	0.00025	07/02/21 18:18	bsu
Calcium, dissolved	M200.7 ICP	1	24.1			mg/L	0.1	0.5	06/23/21 19:56	jlw
Chromium, dissolved	M200.8 ICP-MS	1	<0.0005	U		mg/L	0.0005	0.002	07/02/21 18:18	bsu
Copper, dissolved	M200.8 ICP-MS	1	<0.0008	U		mg/L	0.0008	0.002	07/02/21 18:18	bsu
Iron, dissolved	M200.7 ICP	1	<0.06	U		mg/L	0.06	0.15	06/23/21 19:56	jlw
Lead, dissolved	M200.8 ICP-MS	1	0.00042	B		mg/L	0.0001	0.0005	07/02/21 18:18	bsu
Magnesium, dissolved	M200.7 ICP	1	1.90			mg/L	0.2	1	06/23/21 19:56	jlw
Manganese, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.05	06/23/21 19:56	jlw
Mercury, dissolved	M245.1 CVAA	1	<0.0002	U		mg/L	0.0002	0.001	06/23/21 15:00	mlh
Molybdenum, dissolved	M200.8 ICP-MS	1	0.00094			mg/L	0.0002	0.0005	07/02/21 18:18	bsu
Nickel, dissolved	M200.7 ICP	1	<0.008	U		mg/L	0.008	0.04	06/23/21 19:56	jlw
Potassium, dissolved	M200.7 ICP	1	0.71	B		mg/L	0.2	1	06/23/21 19:56	jlw
Selenium, dissolved	M200.8 ICP-MS	1	0.00011	B		mg/L	0.0001	0.00025	07/02/21 18:18	bsu
Silica, dissolved	M200.7 ICP	1	4.9			mg/L	0.2	1	06/23/21 19:56	jlw
Silver, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	07/02/21 18:18	bsu
Sodium, dissolved	M200.7 ICP	1	1.66			mg/L	0.2	1	06/23/21 19:56	jlw
Thallium, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	07/02/21 18:18	bsu
Uranium, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	07/02/21 18:18	bsu
Vanadium, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.025	06/23/21 19:56	jlw
Zinc, dissolved	M200.7 ICP	1	0.379			mg/L	0.02	0.05	06/23/21 19:56	jlw

Ouray Silver Mines
Project ID:
Sample ID: GW-2A

ACZ Sample ID: ***L66632-04***
Date Sampled: *06/17/21 11:15*
Date Received: *06/18/21*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	26.0			mg/L	2	20	06/25/21 0:00	jck
Carbonate as CaCO3		1	<2	U		mg/L	2	20	06/25/21 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	06/25/21 0:00	jck
Total Alkalinity		1	26.0		*	mg/L	2	20	06/25/21 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			3.4			%			07/14/21 0:00	calc
Sum of Anions			1.4			meq/L			07/14/21 0:00	calc
Sum of Cations			1.5			meq/L			07/14/21 0:00	calc
Chloride	SM4500Cl-E	1	<0.5	U	*	mg/L	0.5	2	07/12/21 15:41	syw
Conductivity @25C	SM2510B	1	161		*	umhos/cm	1	10	06/25/21 0:14	jck
Cyanide, total	M335.4 - Colorimetric w/ distillation	0.5	<0.003	U	*	mg/L	0.003	0.01	07/01/21 17:03	syw
Fluoride	SM4500F-C	1	0.25	B		mg/L	0.15	0.35	06/30/21 16:50	eep
Hardness as CaCO3 (dissolved)	SM2340B - Calculation		68.0			mg/L	0.2	5	07/14/21 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1	0.588			mg/L	0.02	0.1	06/26/21 21:07	pjb
pH (lab)	SM4500H+ B									
pH		1	7.5	H		units	0.1	0.1	06/25/21 0:00	jck
pH measured at		1	20.1			C	0.1	0.1	06/25/21 0:00	jck
Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	1	<0.01	U	*	mg/L	0.01	0.05	06/29/21 23:56	pjb
Residue, Filterable (TDS) @180C	SM2540C	1	100		*	mg/L	20	40	06/24/21 14:07	jck
Residue, Non-Filterable (TSS) @105C	SM2540D	1	32.0		*	mg/L	5	20	06/24/21 11:08	cgm
Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	5	42.8		*	mg/L	5	25	07/13/21 13:22	wtc
TDS (calculated)	Calculation		93.9			mg/L			07/14/21 0:00	calc
TDS (ratio - measured/calculated)	Calculation		1.06						07/14/21 0:00	calc

Ouray Silver Mines
Project ID:
Sample ID: GW-2B

ACZ Sample ID: ***L66632-05***
Date Sampled: *06/17/21 11:35*
Date Received: *06/18/21*
Sample Matrix: *Groundwater*

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cyanide, total	M335.4 - Manual Distillation								06/30/21 16:18	syw
Phosphorus, total	M365.1 - Auto Ascorbic Acid Digestion								06/29/21 12:00	emh

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP	1	<0.05	U		mg/L	0.05	0.25	06/23/21 20:00	jlw
Antimony, dissolved	M200.8 ICP-MS	1	0.00069	B		mg/L	0.0004	0.002	07/02/21 18:19	bsu
Arsenic, dissolved	M200.8 ICP-MS	1	0.00025	B		mg/L	0.0002	0.001	07/02/21 18:19	bsu
Barium, dissolved	M200.7 ICP	1	0.0640			mg/L	0.007	0.035	06/23/21 20:00	jlw
Beryllium, dissolved	M200.8 ICP-MS	1	<0.00008	U		mg/L	0.00008	0.00025	07/02/21 18:19	bsu
Boron, dissolved	M200.7 ICP	1	<0.03	U		mg/L	0.03	0.1	06/23/21 20:00	jlw
Cadmium, dissolved	M200.8 ICP-MS	1	0.000244	B		mg/L	0.00005	0.00025	07/02/21 18:19	bsu
Calcium, dissolved	M200.7 ICP	1	34.5			mg/L	0.1	0.5	06/23/21 20:00	jlw
Chromium, dissolved	M200.8 ICP-MS	1	<0.0005	U		mg/L	0.0005	0.002	07/02/21 18:19	bsu
Copper, dissolved	M200.8 ICP-MS	1	<0.0008	U		mg/L	0.0008	0.002	07/02/21 18:19	bsu
Iron, dissolved	M200.7 ICP	1	<0.06	U		mg/L	0.06	0.15	06/23/21 20:00	jlw
Lead, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	07/02/21 18:19	bsu
Magnesium, dissolved	M200.7 ICP	1	2.79			mg/L	0.2	1	06/23/21 20:00	jlw
Manganese, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.05	06/23/21 20:00	jlw
Mercury, dissolved	M245.1 CVAA	1	<0.0002	U		mg/L	0.0002	0.001	06/23/21 15:01	mlh
Molybdenum, dissolved	M200.8 ICP-MS	1	0.00074			mg/L	0.0002	0.0005	07/02/21 18:19	bsu
Nickel, dissolved	M200.7 ICP	1	<0.008	U		mg/L	0.008	0.04	06/23/21 20:00	jlw
Potassium, dissolved	M200.7 ICP	1	0.77	B		mg/L	0.2	1	06/23/21 20:00	jlw
Selenium, dissolved	M200.8 ICP-MS	1	0.00023	B		mg/L	0.0001	0.00025	07/02/21 18:19	bsu
Silica, dissolved	M200.7 ICP	1	5.5			mg/L	0.2	1	06/23/21 20:00	jlw
Silver, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	07/02/21 18:19	bsu
Sodium, dissolved	M200.7 ICP	1	2.08			mg/L	0.2	1	06/23/21 20:00	jlw
Thallium, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	07/02/21 18:19	bsu
Uranium, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	07/02/21 18:19	bsu
Vanadium, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.025	06/23/21 20:00	jlw
Zinc, dissolved	M200.7 ICP	1	0.324			mg/L	0.02	0.05	06/23/21 20:00	jlw

Ouray Silver Mines
Project ID:
Sample ID: GW-2B

ACZ Sample ID: ***L66632-05***
Date Sampled: *06/17/21 11:35*
Date Received: *06/18/21*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	29.3			mg/L	2	20	06/25/21 0:00	jck
Carbonate as CaCO3		1	<2	U		mg/L	2	20	06/25/21 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	06/25/21 0:00	jck
Total Alkalinity		1	29.3		*	mg/L	2	20	06/25/21 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			0.0			%			07/14/21 0:00	calc
Sum of Anions			2.1			meq/L			07/14/21 0:00	calc
Sum of Cations			2.1			meq/L			07/14/21 0:00	calc
Chloride	SM4500Cl-E	1	0.65	B	*	mg/L	0.5	2	07/12/21 15:43	syw
Conductivity @25C	SM2510B	1	222		*	umhos/cm	1	10	06/25/21 0:22	jck
Cyanide, total	M335.4 - Colorimetric w/ distillation	0.5	<0.003	U	*	mg/L	0.003	0.01	07/01/21 17:05	syw
Fluoride	SM4500F-C	1	0.26	B		mg/L	0.15	0.35	06/30/21 17:13	eep
Hardness as CaCO3 (dissolved)	SM2340B - Calculation		98			mg/L	0.2	5	07/14/21 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1	0.321			mg/L	0.02	0.1	06/26/21 21:09	pjb
pH (lab)	SM4500H+ B									
pH		1	7.5	H		units	0.1	0.1	06/25/21 0:00	jck
pH measured at		1	20.1			C	0.1	0.1	06/25/21 0:00	jck
Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	1	<0.01	U	*	mg/L	0.01	0.05	06/29/21 23:59	pjb
Residue, Filterable (TDS) @180C	SM2540C	1	154		*	mg/L	20	40	06/24/21 16:01	eep
Residue, Non-Filterable (TSS) @105C	SM2540D	1	<5	U	*	mg/L	5	20	06/24/21 11:10	cgm
Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	5	70.3		*	mg/L	5	25	07/13/21 13:22	wtc
TDS (calculated)	Calculation		137			mg/L			07/14/21 0:00	calc
TDS (ratio - measured/calculated)	Calculation		1.12						07/14/21 0:00	calc

Ouray Silver Mines
Project ID:
Sample ID: GW-3B

ACZ Sample ID: ***L66632-06***
Date Sampled: *06/17/21 10:15*
Date Received: *06/18/21*
Sample Matrix: *Groundwater*

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cyanide, total	M335.4 - Manual Distillation								06/30/21 16:25	syw
Phosphorus, total	M365.1 - Auto Ascorbic Acid Digestion								06/29/21 12:08	emh

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP	1	<0.05	U		mg/L	0.05	0.25	06/23/21 20:03	jlw
Antimony, dissolved	M200.8 ICP-MS	1	0.00070	B		mg/L	0.0004	0.002	07/02/21 18:21	bsu
Arsenic, dissolved	M200.8 ICP-MS	1	0.00031	B		mg/L	0.0002	0.001	07/02/21 18:21	bsu
Barium, dissolved	M200.7 ICP	1	0.0470			mg/L	0.007	0.035	06/23/21 20:03	jlw
Beryllium, dissolved	M200.8 ICP-MS	1	<0.00008	U		mg/L	0.00008	0.00025	07/02/21 18:21	bsu
Boron, dissolved	M200.7 ICP	1	<0.03	U		mg/L	0.03	0.1	06/23/21 20:03	jlw
Cadmium, dissolved	M200.8 ICP-MS	1	0.000082	B		mg/L	0.00005	0.00025	07/02/21 18:21	bsu
Calcium, dissolved	M200.7 ICP	1	31.5			mg/L	0.1	0.5	06/23/21 20:03	jlw
Chromium, dissolved	M200.8 ICP-MS	1	<0.0005	U		mg/L	0.0005	0.002	07/02/21 18:21	bsu
Copper, dissolved	M200.8 ICP-MS	1	<0.0008	U		mg/L	0.0008	0.002	07/02/21 18:21	bsu
Iron, dissolved	M200.7 ICP	1	<0.06	U		mg/L	0.06	0.15	06/23/21 20:03	jlw
Lead, dissolved	M200.8 ICP-MS	1	0.00348			mg/L	0.0001	0.0005	07/02/21 18:21	bsu
Magnesium, dissolved	M200.7 ICP	1	2.12			mg/L	0.2	1	06/23/21 20:03	jlw
Manganese, dissolved	M200.7 ICP	1	0.013	B		mg/L	0.01	0.05	06/23/21 20:03	jlw
Mercury, dissolved	M245.1 CVAA	1	<0.0002	U		mg/L	0.0002	0.001	06/23/21 15:02	mlh
Molybdenum, dissolved	M200.8 ICP-MS	1	0.00062			mg/L	0.0002	0.0005	07/02/21 18:21	bsu
Nickel, dissolved	M200.7 ICP	1	<0.008	U		mg/L	0.008	0.04	06/23/21 20:03	jlw
Potassium, dissolved	M200.7 ICP	1	0.75	B		mg/L	0.2	1	06/23/21 20:03	jlw
Selenium, dissolved	M200.8 ICP-MS	1	0.00027			mg/L	0.0001	0.00025	07/02/21 18:21	bsu
Silica, dissolved	M200.7 ICP	1	5.3			mg/L	0.2	1	06/23/21 20:03	jlw
Silver, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	07/02/21 18:21	bsu
Sodium, dissolved	M200.7 ICP	1	2.21			mg/L	0.2	1	06/23/21 20:03	jlw
Thallium, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	07/02/21 18:21	bsu
Uranium, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	07/02/21 18:21	bsu
Vanadium, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.025	06/23/21 20:03	jlw
Zinc, dissolved	M200.7 ICP	1	0.125			mg/L	0.02	0.05	06/23/21 20:03	jlw

Ouray Silver Mines
Project ID:
Sample ID: GW-3B

ACZ Sample ID: ***L66632-06***
Date Sampled: *06/17/21 10:15*
Date Received: *06/18/21*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	30.1			mg/L	2	20	06/25/21 0:00	jck
Carbonate as CaCO3		1	<2	U		mg/L	2	20	06/25/21 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	06/25/21 0:00	jck
Total Alkalinity		1	30.1		*	mg/L	2	20	06/25/21 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			0.0			%			07/14/21 0:00	calc
Sum of Anions			1.9			meq/L			07/14/21 0:00	calc
Sum of Cations			1.9			meq/L			07/14/21 0:00	calc
Chloride	SM4500Cl-E	1	<0.5	U	*	mg/L	0.5	2	07/12/21 15:43	syw
Conductivity @25C	SM2510B	1	198		*	umhos/cm	1	10	06/25/21 0:30	jck
Cyanide, total	M335.4 - Colorimetric w/ distillation	0.5	<0.003	U	*	mg/L	0.003	0.01	07/01/21 17:06	syw
Fluoride	SM4500F-C	1	0.20	B		mg/L	0.15	0.35	06/30/21 17:17	eep
Hardness as CaCO3 (dissolved)	SM2340B - Calculation		87			mg/L	0.2	5	07/14/21 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1	0.404			mg/L	0.02	0.1	06/26/21 21:10	pjb
pH (lab)	SM4500H+ B									
pH		1	7.5	H		units	0.1	0.1	06/25/21 0:00	jck
pH measured at		1	20.3			C	0.1	0.1	06/25/21 0:00	jck
Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	1	<0.01	U	*	mg/L	0.01	0.05	06/30/21 0:00	pjb
Residue, Filterable (TDS) @180C	SM2540C	1	128		*	mg/L	20	40	06/24/21 16:03	eep
Residue, Non-Filterable (TSS) @105C	SM2540D	1	<5	U	*	mg/L	5	20	06/24/21 11:13	cgm
Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	5	60.7		*	mg/L	5	25	07/13/21 13:23	wtc
TDS (calculated)	Calculation		123			mg/L			07/14/21 0:00	calc
TDS (ratio - measured/calculated)	Calculation		1.04						07/14/21 0:00	calc

Ouray Silver Mines
Project ID:
Sample ID: GW-3R

ACZ Sample ID: ***L66632-07***
Date Sampled: *06/17/21 09:45*
Date Received: *06/18/21*
Sample Matrix: *Groundwater*

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cyanide, total	M335.4 - Manual Distillation								06/30/21 16:33	syw
Phosphorus, total	M365.1 - Auto Ascorbic Acid Digestion								06/29/21 12:16	emh

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP	1	0.729			mg/L	0.05	0.25	06/23/21 20:06	jlw
Antimony, dissolved	M200.8 ICP-MS	1	0.00291			mg/L	0.0004	0.002	07/02/21 18:23	bsu
Arsenic, dissolved	M200.8 ICP-MS	1	0.00478			mg/L	0.0002	0.001	07/02/21 18:23	bsu
Barium, dissolved	M200.7 ICP	1	0.0446			mg/L	0.007	0.035	06/23/21 20:06	jlw
Beryllium, dissolved	M200.8 ICP-MS	1	<0.00008	U		mg/L	0.00008	0.00025	07/02/21 18:23	bsu
Boron, dissolved	M200.7 ICP	1	<0.03	U		mg/L	0.03	0.1	06/23/21 20:06	jlw
Cadmium, dissolved	M200.8 ICP-MS	1	0.000481			mg/L	0.00005	0.00025	07/02/21 18:23	bsu
Calcium, dissolved	M200.7 ICP	1	28.1			mg/L	0.1	0.5	06/23/21 20:06	jlw
Chromium, dissolved	M200.8 ICP-MS	1	0.00843			mg/L	0.0005	0.002	07/02/21 18:23	bsu
Copper, dissolved	M200.8 ICP-MS	1	0.0139			mg/L	0.0008	0.002	07/02/21 18:23	bsu
Iron, dissolved	M200.7 ICP	1	0.535			mg/L	0.06	0.15	06/23/21 20:06	jlw
Lead, dissolved	M200.8 ICP-MS	1	0.146			mg/L	0.0001	0.0005	07/02/21 18:23	bsu
Magnesium, dissolved	M200.7 ICP	1	1.54			mg/L	0.2	1	06/23/21 20:06	jlw
Manganese, dissolved	M200.7 ICP	1	0.247			mg/L	0.01	0.05	06/23/21 20:06	jlw
Mercury, dissolved	M245.1 CVAA	1	<0.0002	U		mg/L	0.0002	0.001	06/23/21 15:03	mlh
Molybdenum, dissolved	M200.8 ICP-MS	1	0.00160			mg/L	0.0002	0.0005	07/02/21 18:23	bsu
Nickel, dissolved	M200.7 ICP	1	<0.008	U		mg/L	0.008	0.04	06/23/21 20:06	jlw
Potassium, dissolved	M200.7 ICP	1	1.75			mg/L	0.2	1	06/23/21 20:06	jlw
Selenium, dissolved	M200.8 ICP-MS	1	0.00015	B		mg/L	0.0001	0.00025	07/02/21 18:23	bsu
Silica, dissolved	M200.7 ICP	1	7.5			mg/L	0.2	1	06/23/21 20:06	jlw
Silver, dissolved	M200.8 ICP-MS	1	0.00019	B		mg/L	0.0001	0.0005	07/02/21 18:23	bsu
Sodium, dissolved	M200.7 ICP	1	3.42			mg/L	0.2	1	06/23/21 20:06	jlw
Thallium, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	07/02/21 18:23	bsu
Uranium, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	07/02/21 18:23	bsu
Vanadium, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.025	06/23/21 20:06	jlw
Zinc, dissolved	M200.7 ICP	1	0.195			mg/L	0.02	0.05	06/23/21 20:06	jlw

Ouray Silver Mines
Project ID:
Sample ID: GW-3R

ACZ Sample ID: ***L66632-07***
Date Sampled: *06/17/21 09:45*
Date Received: *06/18/21*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	34.2			mg/L	2	20	06/25/21 0:00	jck
Carbonate as CaCO3		1	<2	U		mg/L	2	20	06/25/21 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	06/25/21 0:00	jck
Total Alkalinity		1	34.2		*	mg/L	2	20	06/25/21 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			5.6			%			07/14/21 0:00	calc
Sum of Anions			1.7			meq/L			07/14/21 0:00	calc
Sum of Cations			1.9			meq/L			07/14/21 0:00	calc
Chloride	SM4500Cl-E	1	0.92	B	*	mg/L	0.5	2	07/12/21 15:43	syw
Conductivity @25C	SM2510B	1	184		*	umhos/cm	1	10	06/25/21 0:39	jck
Cyanide, total	M335.4 - Colorimetric w/ distillation	0.5	<0.003	U	*	mg/L	0.003	0.01	07/01/21 17:07	syw
Fluoride	SM4500F-C	1	0.16	B		mg/L	0.15	0.35	06/30/21 17:24	eep
Hardness as CaCO3 (dissolved)	SM2340B - Calculation		77			mg/L	0.2	5	07/14/21 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1	0.417			mg/L	0.02	0.1	06/26/21 21:11	pjb
pH (lab)	SM4500H+ B									
pH		1	7.5	H		units	0.1	0.1	06/25/21 0:00	jck
pH measured at		1	20.2			C	0.1	0.1	06/25/21 0:00	jck
Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	1	0.207		*	mg/L	0.01	0.05	06/30/21 0:01	pjb
Residue, Filterable (TDS) @180C	SM2540C	1	116		*	mg/L	20	40	06/24/21 16:08	eep
Residue, Non-Filterable (TSS) @105C	SM2540D	1	21.0		*	mg/L	5	20	06/24/21 11:16	cgm
Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	5	46.4		*	mg/L	5	25	07/13/21 13:23	wtc
TDS (calculated)	Calculation		114			mg/L			07/14/21 0:00	calc
TDS (ratio - measured/calculated)	Calculation		1.02						07/14/21 0:00	calc

Ouray Silver Mines
Project ID:
Sample ID: GW-0

ACZ Sample ID: ***L66632-08***
Date Sampled: *06/17/21 12:00*
Date Received: *06/18/21*
Sample Matrix: *Groundwater*

Inorganic Prep

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Cyanide, total	M335.4 - Manual Distillation								06/30/21 16:41	syw
Phosphorus, total	M365.1 - Auto Ascorbic Acid Digestion								06/29/21 12:24	emh

Metals Analysis

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Aluminum, dissolved	M200.7 ICP	1	<0.05	U		mg/L	0.05	0.25	06/23/21 20:22	jlw
Antimony, dissolved	M200.8 ICP-MS	1	<0.0004	U		mg/L	0.0004	0.002	07/02/21 18:25	bsu
Arsenic, dissolved	M200.8 ICP-MS	1	<0.0002	U		mg/L	0.0002	0.001	07/02/21 18:25	bsu
Barium, dissolved	M200.7 ICP	1	<0.007	U		mg/L	0.007	0.035	06/23/21 20:22	jlw
Beryllium, dissolved	M200.8 ICP-MS	1	<0.00008	U		mg/L	0.00008	0.00025	07/02/21 18:25	bsu
Boron, dissolved	M200.7 ICP	1	<0.03	U		mg/L	0.03	0.1	06/23/21 20:22	jlw
Cadmium, dissolved	M200.8 ICP-MS	1	<0.00005	U		mg/L	0.00005	0.00025	07/02/21 18:25	bsu
Calcium, dissolved	M200.7 ICP	1	0.13	B		mg/L	0.1	0.5	06/23/21 20:22	jlw
Chromium, dissolved	M200.8 ICP-MS	1	<0.0005	U		mg/L	0.0005	0.002	07/02/21 18:25	bsu
Copper, dissolved	M200.8 ICP-MS	1	<0.0008	U		mg/L	0.0008	0.002	07/02/21 18:25	bsu
Iron, dissolved	M200.7 ICP	1	<0.06	U		mg/L	0.06	0.15	06/23/21 20:22	jlw
Lead, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	07/02/21 18:25	bsu
Magnesium, dissolved	M200.7 ICP	1	<0.2	U		mg/L	0.2	1	06/23/21 20:22	jlw
Manganese, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.05	06/23/21 20:22	jlw
Mercury, dissolved	M245.1 CVAA	1	<0.0002	U		mg/L	0.0002	0.001	06/24/21 15:48	mlh
Molybdenum, dissolved	M200.8 ICP-MS	1	<0.0002	U		mg/L	0.0002	0.0005	07/02/21 18:25	bsu
Nickel, dissolved	M200.7 ICP	1	<0.008	U		mg/L	0.008	0.04	06/23/21 20:22	jlw
Potassium, dissolved	M200.7 ICP	1	0.25	B		mg/L	0.2	1	06/23/21 20:22	jlw
Selenium, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.00025	07/02/21 18:25	bsu
Silica, dissolved	M200.7 ICP	1	<0.2	U		mg/L	0.2	1	06/23/21 20:22	jlw
Silver, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	07/02/21 18:25	bsu
Sodium, dissolved	M200.7 ICP	1	<0.2	U		mg/L	0.2	1	06/23/21 20:22	jlw
Thallium, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	07/02/21 18:25	bsu
Uranium, dissolved	M200.8 ICP-MS	1	<0.0001	U		mg/L	0.0001	0.0005	07/02/21 18:25	bsu
Vanadium, dissolved	M200.7 ICP	1	<0.01	U		mg/L	0.01	0.025	06/23/21 20:22	jlw
Zinc, dissolved	M200.7 ICP	1	<0.02	U		mg/L	0.02	0.05	06/23/21 20:22	jlw

Ouray Silver Mines
Project ID:
Sample ID: GW-0

ACZ Sample ID: ***L66632-08***
Date Sampled: *06/17/21 12:00*
Date Received: *06/18/21*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	POL	Date	Analyst
Alkalinity as CaCO3	SM2320B - Titration									
Bicarbonate as CaCO3		1	<2	U		mg/L	2	20	06/25/21 0:00	jck
Carbonate as CaCO3		1	<2	U		mg/L	2	20	06/25/21 0:00	jck
Hydroxide as CaCO3		1	<2	U		mg/L	2	20	06/25/21 0:00	jck
Total Alkalinity		1	<2	U	*	mg/L	2	20	06/25/21 0:00	jck
Cation-Anion Balance	Calculation									
Cation-Anion Balance			n/a			%			07/14/21 0:00	calc
Sum of Anions			<	U		meq/L			07/14/21 0:00	calc
Sum of Cations			<	U		meq/L			07/14/21 0:00	calc
Chloride	SM4500Cl-E	1	<0.5	U	*	mg/L	0.5	2	07/12/21 15:43	syw
Conductivity @25C	SM2510B	1	<1	U	*	umhos/cm	1	10	06/25/21 0:45	jck
Cyanide, total	M335.4 - Colorimetric w/ distillation	0.5	<0.003	U	*	mg/L	0.003	0.01	07/01/21 17:08	syw
Fluoride	SM4500F-C	1	<0.15	U		mg/L	0.15	0.35	06/30/21 17:32	eep
Hardness as CaCO3 (dissolved)	SM2340B - Calculation		0.325	B		mg/L	0.2	5	07/14/21 0:00	calc
Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	1	<0.02	U		mg/L	0.02	0.1	06/26/21 21:12	pjb
pH (lab)	SM4500H+ B									
pH		1	5.8	H		units	0.1	0.1	06/25/21 0:00	jck
pH measured at		1	20.0			C	0.1	0.1	06/25/21 0:00	jck
Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	1	<0.01	U	*	mg/L	0.01	0.05	06/30/21 0:02	pjb
Residue, Filterable (TDS) @180C	SM2540C	1	<20	U	*	mg/L	20	40	06/24/21 16:10	eep
Residue, Non-Filterable (TSS) @105C	SM2540D	1	<5	U	*	mg/L	5	20	06/24/21 11:18	cgm
Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	1	<1	U	*	mg/L	1	5	07/13/21 12:45	wtc
TDS (calculated)	Calculation		0.38			mg/L			07/14/21 0:00	calc
TDS (ratio - measured/calculated)	Calculation		n/a						07/14/21 0:00	calc

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5) Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1) EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2) EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples. August 1993.
(3) EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4) EPA SW-846. Test Methods for Evaluating Solid Waste.
(5) Standard Methods for the Examination of Water and Wastewater.

Comments

(1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2) Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3) Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5) If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click.
https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf

Ouray Silver Mines

ACZ Project ID: ***L66632***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Alkalinity as CaCO3 SM2320B - Titration

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG521892													
WG521892PBW1	PBW	06/24/21 18:58				U	mg/L		-20	20			
WG521892LCSW3	LCSW	06/24/21 19:18	WC210622-2	820.0001		793	mg/L	97	90	110			
WG521892LCSW6	LCSW	06/24/21 22:31	WC210622-2	820.0001		781	mg/L	95	90	110			
WG521892PBW2	PBW	06/24/21 22:37				U	mg/L		-20	20			
L66632-03DUP	DUP	06/25/21 0:06			33.1	33.5	mg/L				1	20	
L66632-08DUP	DUP	06/25/21 0:51			U	U	mg/L				0	20	RA
WG521892LCSW9	LCSW	06/25/21 1:53	WC210622-2	820.0001		783.5	mg/L	96	90	110			
WG521892PBW3	PBW	06/25/21 1:59				2.1	mg/L		-20	20			
WG521892LCSW12	LCSW	06/25/21 6:49	WC210622-2	820.0001		787.6	mg/L	96	90	110			
WG521892PBW4	PBW	06/25/21 6:55				U	mg/L		-20	20			
WG521892LCSW15	LCSW	06/25/21 10:32	WC210622-2	820.0001		801.6	mg/L	98	90	110			

Aluminum, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG521725													
WG521725ICV	ICV	06/23/21 18:44	II210608-1	2		1.947	mg/L	97	95	105			
WG521725ICB	ICB	06/23/21 18:50				U	mg/L		-0.15	0.15			
WG521725LFB	LFB	06/23/21 19:03	II210622-2	1.0013		.991	mg/L	99	85	115			
L66608-03AS	AS	06/23/21 19:17	II210622-2	1.0013	.296	1.318	mg/L	102	85	115			
L66608-03ASD	ASD	06/23/21 19:20	II210622-2	1.0013	.296	1.323	mg/L	103	85	115	0	20	
L66632-07AS	AS	06/23/21 20:09	II210622-2	1.0013	.729	1.786	mg/L	106	85	115			
L66632-07ASD	ASD	06/23/21 20:13	II210622-2	1.0013	.729	1.786	mg/L	106	85	115	0	20	

Antimony, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG522457													
WG522457ICV	ICV	07/02/21 17:52	MS210630-2	.0201		.02037	mg/L	101	90	110			
WG522457ICB	ICB	07/02/21 17:54				U	mg/L		-0.00088	0.00088			
WG522457LFB	LFB	07/02/21 17:56	MS210702-2	.01		.00965	mg/L	97	85	115			
L66632-01AS	AS	07/02/21 18:07	MS210702-2	.01	.00095	.00946	mg/L	85	70	130			
L66632-01ASD	ASD	07/02/21 18:09	MS210702-2	.01	.00095	.00956	mg/L	86	70	130	1	20	
L66643-03AS	AS	07/02/21 18:36	MS210702-2	.01	.00041	.00899	mg/L	86	70	130			
L66643-03ASD	ASD	07/02/21 18:38	MS210702-2	.01	.00041	.00919	mg/L	88	70	130	2	20	

Ouray Silver Mines

ACZ Project ID: ***L66632***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Arsenic, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG522457													
WG522457ICV	ICV	07/02/21 17:52	MS210630-2	.05		.05099	mg/L	102	90	110			
WG522457ICB	ICB	07/02/21 17:54				U	mg/L		-0.00044	0.00044			
WG522457LFB	LFB	07/02/21 17:56	MS210702-2	.05005		.05031	mg/L	101	85	115			
L66632-01AS	AS	07/02/21 18:07	MS210702-2	.05005	.00079	.05165	mg/L	102	70	130			
L66632-01ASD	ASD	07/02/21 18:09	MS210702-2	.05005	.00079	.05132	mg/L	101	70	130	1	20	
L66643-03AS	AS	07/02/21 18:36	MS210702-2	.05005	.00289	.05257	mg/L	99	70	130			
L66643-03ASD	ASD	07/02/21 18:38	MS210702-2	.05005	.00289	.05391	mg/L	102	70	130	3	20	
WG522751													
WG522751ICV	ICV	07/08/21 18:18	MS210630-2	.05		.05104	mg/L	102	90	110			
WG522751ICB	ICB	07/08/21 18:20				U	mg/L		-0.00044	0.00044			
WG522751LFB	LFB	07/08/21 18:22	MS210702-2	.05005		.05205	mg/L	104	85	115			
L66655-02AS	AS	07/08/21 18:33	MS210702-2	.05005	U	.05224	mg/L	104	70	130			
L66655-02ASD	ASD	07/08/21 18:35	MS210702-2	.05005	U	.05165	mg/L	103	70	130	1	20	

Barium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG521725													
WG521725ICV	ICV	06/23/21 18:44	II210608-1	2		1.9775	mg/L	99	95	105			
WG521725ICB	ICB	06/23/21 18:50				U	mg/L		-0.021	0.021			
WG521725LFB	LFB	06/23/21 19:03	II210622-2	.5		.4895	mg/L	98	85	115			
L66608-03AS	AS	06/23/21 19:17	II210622-2	.5	.0177	.5047	mg/L	97	85	115			
L66608-03ASD	ASD	06/23/21 19:20	II210622-2	.5	.0177	.4975	mg/L	96	85	115	1	20	
L66632-07AS	AS	06/23/21 20:09	II210622-2	.5	.0446	.5355	mg/L	98	85	115			
L66632-07ASD	ASD	06/23/21 20:13	II210622-2	.5	.0446	.5361	mg/L	98	85	115	0	20	

Beryllium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG522457													
WG522457ICV	ICV	07/02/21 17:52	MS210630-2	.05		.046749	mg/L	93	90	110			
WG522457ICB	ICB	07/02/21 17:54				.000148	mg/L		-0.000176	0.000176			
WG522457LFB	LFB	07/02/21 17:56	MS210702-2	.05005		.046505	mg/L	93	85	115			
L66632-01AS	AS	07/02/21 18:07	MS210702-2	.05005	U	.046943	mg/L	94	70	130			
L66632-01ASD	ASD	07/02/21 18:09	MS210702-2	.05005	U	.047384	mg/L	95	70	130	1	20	
L66643-03AS	AS	07/02/21 18:36	MS210702-2	.05005	U	.045055	mg/L	90	70	130			
L66643-03ASD	ASD	07/02/21 18:38	MS210702-2	.05005	U	.04464	mg/L	89	70	130	1	20	

Boron, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG521725													
WG521725ICV	ICV	06/23/21 18:44	II210608-1	2		1.995	mg/L	100	95	105			
WG521725ICB	ICB	06/23/21 18:50				U	mg/L		-0.09	0.09			
WG521725LFB	LFB	06/23/21 19:03	II210622-2	.5005		.51	mg/L	102	85	115			
L66608-03AS	AS	06/23/21 19:17	II210622-2	.5005	U	.512	mg/L	102	85	115			
L66608-03ASD	ASD	06/23/21 19:20	II210622-2	.5005	U	.506	mg/L	101	85	115	1	20	
L66632-07AS	AS	06/23/21 20:09	II210622-2	.5005	U	.516	mg/L	103	85	115			
L66632-07ASD	ASD	06/23/21 20:13	II210622-2	.5005	U	.527	mg/L	105	85	115	2	20	

Ouray Silver Mines

ACZ Project ID: ***L66632***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Cadmium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG522457													
WG522457ICV	ICV	07/02/21 17:52	MS210630-2	.05		.050886	mg/L	102	90	110			
WG522457ICB	ICB	07/02/21 17:54				U	mg/L		-0.00011	0.00011			
WG522457LFB	LFB	07/02/21 17:56	MS210702-2	.05005		.049497	mg/L	99	85	115			
L66632-01AS	AS	07/02/21 18:07	MS210702-2	.05005	.00014	.048619	mg/L	97	70	130			
L66632-01ASD	ASD	07/02/21 18:09	MS210702-2	.05005	.00014	.049135	mg/L	98	70	130	1	20	
L66643-03AS	AS	07/02/21 18:36	MS210702-2	.05005	U	.048232	mg/L	96	70	130			
L66643-03ASD	ASD	07/02/21 18:38	MS210702-2	.05005	U	.048909	mg/L	98	70	130	1	20	

Calcium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG521725													
WG521725ICV	ICV	06/23/21 18:44	II210608-1	100		99.38	mg/L	99	95	105			
WG521725ICB	ICB	06/23/21 18:50				.12	mg/L		-0.3	0.3			
WG521725LFB	LFB	06/23/21 19:03	II210622-2	67.98753		68.96	mg/L	101	85	115			
L66608-03AS	AS	06/23/21 19:17	II210622-2	67.98753	558	611.9	mg/L	79	85	115			M3
L66608-03ASD	ASD	06/23/21 19:20	II210622-2	67.98753	558	602.2	mg/L	65	85	115	2	20	M3
L66632-07AS	AS	06/23/21 20:09	II210622-2	67.98753	28.1	97.68	mg/L	102	85	115			
L66632-07ASD	ASD	06/23/21 20:13	II210622-2	67.98753	28.1	95.55	mg/L	99	85	115	2	20	

Chloride SM4500Cl-E

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG522956													
WG522956ICB	ICB	07/12/21 15:03				U	mg/L		-1.5	1.5			
WG522956ICV	ICV	07/12/21 15:03	WI210503-1	54.89		56.09	mg/L	102	90	110			
WG522956LFB1	LFB	07/12/21 15:39	WI200327-3	30.03		32.18	mg/L	107	90	110			
L66632-02AS	AS	07/12/21 15:41	WI200327-3	30.03	U	31.83	mg/L	106	90	110			
L66632-03DUP	DUP	07/12/21 15:41			U	U	mg/L				0	20	RA
WG522956LFB2	LFB	07/12/21 15:43	WI200327-3	30.03		32.48	mg/L	108	90	110			

Chromium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG522457													
WG522457ICV	ICV	07/02/21 17:52	MS210630-2	.05		.05097	mg/L	102	90	110			
WG522457ICB	ICB	07/02/21 17:54				U	mg/L		-0.0011	0.0011			
WG522457LFB	LFB	07/02/21 17:56	MS210702-2	.05		.04979	mg/L	100	85	115			
L66632-01AS	AS	07/02/21 18:07	MS210702-2	.05	U	.04916	mg/L	98	70	130			
L66632-01ASD	ASD	07/02/21 18:09	MS210702-2	.05	U	.0492	mg/L	98	70	130	0	20	
L66643-03AS	AS	07/02/21 18:36	MS210702-2	.05	U	.04822	mg/L	96	70	130			
L66643-03ASD	ASD	07/02/21 18:38	MS210702-2	.05	U	.04887	mg/L	98	70	130	1	20	
WG522751													
WG522751ICV	ICV	07/08/21 18:18	MS210630-2	.05		.05137	mg/L	103	90	110			
WG522751ICB	ICB	07/08/21 18:20				U	mg/L		-0.0011	0.0011			
WG522751LFB	LFB	07/08/21 18:22	MS210702-2	.05		.05179	mg/L	104	85	115			
L66655-02AS	AS	07/08/21 18:33	MS210702-2	.05	U	.05076	mg/L	102	70	130			
L66655-02ASD	ASD	07/08/21 18:35	MS210702-2	.05	U	.05007	mg/L	100	70	130	1	20	

Ouray Silver Mines

ACZ Project ID: ***L66632***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Conductivity @25C SM2510B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG521892													
WG521892LCSW2	LCSW	06/24/21 19:04	PCN63133	1410		1421	umhos/cm	101	90	110			
WG521892LCSW5	LCSW	06/24/21 22:19	PCN63133	1410		1407	umhos/cm	100	90	110			
L66632-03DUP	DUP	06/25/21 0:06			129	129	umhos/cm				0	20	
L66632-08DUP	DUP	06/25/21 0:51			U	U	umhos/cm				0	20	RA
WG521892LCSW8	LCSW	06/25/21 1:41	PCN63133	1410		1389	umhos/cm	99	90	110			
WG521892LCSW11	LCSW	06/25/21 6:37	PCN63133	1410		1386	umhos/cm	98	90	110			
WG521892LCSW14	LCSW	06/25/21 10:19	PCN63133	1410		1380	umhos/cm	98	90	110			

Copper, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG522457													
WG522457ICV	ICV	07/02/21 17:52	MS210630-2	.05		.05181	mg/L	104	90	110			
WG522457ICB	ICB	07/02/21 17:54				U	mg/L		-0.00176	0.00176			
WG522457LFB	LFB	07/02/21 17:56	MS210702-2	.05		.04968	mg/L	99	85	115			
L66632-01AS	AS	07/02/21 18:07	MS210702-2	.05	.00102	.0501	mg/L	98	70	130			
L66632-01ASD	ASD	07/02/21 18:09	MS210702-2	.05	.00102	.05006	mg/L	98	70	130	0	20	
L66643-03AS	AS	07/02/21 18:36	MS210702-2	.05	.00091	.04904	mg/L	96	70	130			
L66643-03ASD	ASD	07/02/21 18:38	MS210702-2	.05	.00091	.04981	mg/L	98	70	130	2	20	
WG522751													
WG522751ICV	ICV	07/08/21 18:18	MS210630-2	.05		.05215	mg/L	104	90	110			
WG522751ICB	ICB	07/08/21 18:20				U	mg/L		-0.00176	0.00176			
WG522751LFB	LFB	07/08/21 18:22	MS210702-2	.05		.05179	mg/L	104	85	115			
L66655-02AS	AS	07/08/21 18:33	MS210702-2	.05	.00227	.05288	mg/L	101	70	130			
L66655-02ASD	ASD	07/08/21 18:35	MS210702-2	.05	.00227	.05246	mg/L	100	70	130	1	20	

Cyanide, total M335.4 - Colorimetric w/ distillation

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG522398													
WG522398ICV	ICV	07/01/21 16:53	WI210701-7	.3		.3163	mg/L	105	90	110			
WG522398ICB	ICB	07/01/21 16:54				U	mg/L		-0.003	0.003			
WG522275LRB	LRB	07/01/21 16:55				U	mg/L		-0.003	0.003			
WG522275LFB	LFB	07/01/21 16:56	WI210616-5	.2		.2026	mg/L	101	90	110			
L66632-01DUP	DUP	07/01/21 16:59			U	U	mg/L				0	20	RA
L66632-02LFM	LFM	07/01/21 17:01	WI210616-5	.2	U	.1979	mg/L	99	90	110			

Fluoride SM4500F-C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG522254													
WG522254ICV	ICV	06/30/21 12:25	WC210623-1	2.002		1.99	mg/L	99	90	110			
WG522254ICB	ICB	06/30/21 12:30				U	mg/L		-0.3	0.3			
WG522254LFB1	LFB	06/30/21 12:37	WC201221-2	5.015		4.93	mg/L	98	90	110			
WG522254LFB2	LFB	06/30/21 15:17	WC201221-2	5.015		4.98	mg/L	99	90	110			
L66632-04AS	AS	06/30/21 16:58	WC201221-2	5.015	.25	5.12	mg/L	97	90	110			
L66632-04ASD	ASD	06/30/21 17:05	WC201221-2	5.015	.25	5.09	mg/L	97	90	110	1	20	

Ouray Silver Mines

ACZ Project ID: ***L66632***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Iron, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG521725													
WG521725ICV	ICV	06/23/21 18:44	II210608-1	2		1.96	mg/L	98	95	105			
WG521725ICB	ICB	06/23/21 18:50				U	mg/L		-0.18	0.18			
WG521725LFB	LFB	06/23/21 19:03	II210622-2	1.0018		1.031	mg/L	103	85	115			
L66608-03AS	AS	06/23/21 19:17	II210622-2	1.0018	U	1.016	mg/L	101	85	115			
L66608-03ASD	ASD	06/23/21 19:20	II210622-2	1.0018	U	1.02	mg/L	102	85	115	0	20	
L66632-07AS	AS	06/23/21 20:09	II210622-2	1.0018	.535	1.54	mg/L	100	85	115			
L66632-07ASD	ASD	06/23/21 20:13	II210622-2	1.0018	.535	1.563	mg/L	103	85	115	1	20	

Lead, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG522457													
WG522457ICV	ICV	07/02/21 17:52	MS210630-2	.05		.05126	mg/L	103	90	110			
WG522457ICB	ICB	07/02/21 17:54				U	mg/L		-0.00022	0.00022			
WG522457LFB	LFB	07/02/21 17:56	MS210702-2	.05005		.05042	mg/L	101	85	115			
L66632-01AS	AS	07/02/21 18:07	MS210702-2	.05005	.00224	.05117	mg/L	98	70	130			
L66632-01ASD	ASD	07/02/21 18:09	MS210702-2	.05005	.00224	.05185	mg/L	99	70	130	1	20	
L66643-03AS	AS	07/02/21 18:36	MS210702-2	.05005	U	.05001	mg/L	100	70	130			
L66643-03ASD	ASD	07/02/21 18:38	MS210702-2	.05005	U	.05042	mg/L	101	70	130	1	20	

Magnesium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG521725													
WG521725ICV	ICV	06/23/21 18:44	II210608-1	100		98.53	mg/L	99	95	105			
WG521725ICB	ICB	06/23/21 18:50				U	mg/L		-0.6	0.6			
WG521725LFB	LFB	06/23/21 19:03	II210622-2	50.00302		49.54	mg/L	99	85	115			
L66608-03AS	AS	06/23/21 19:17	II210622-2	50.00302	11.7	59.86	mg/L	96	85	115			
L66608-03ASD	ASD	06/23/21 19:20	II210622-2	50.00302	11.7	60.84	mg/L	98	85	115	2	20	
L66632-07AS	AS	06/23/21 20:09	II210622-2	50.00302	1.54	51.86	mg/L	101	85	115			
L66632-07ASD	ASD	06/23/21 20:13	II210622-2	50.00302	1.54	50.74	mg/L	98	85	115	2	20	

Manganese, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG521725													
WG521725ICV	ICV	06/23/21 18:44	II210608-1	2		1.954	mg/L	98	95	105			
WG521725ICB	ICB	06/23/21 18:50				U	mg/L		-0.03	0.03			
WG521725LFB	LFB	06/23/21 19:03	II210622-2	.5005		.493	mg/L	99	85	115			
L66608-03AS	AS	06/23/21 19:17	II210622-2	.5005	40.1	39.3	mg/L	-160	85	115			M3
L66608-03ASD	ASD	06/23/21 19:20	II210622-2	.5005	40.1	38.63	mg/L	-294	85	115	2	20	M3
L66632-07AS	AS	06/23/21 20:09	II210622-2	.5005	.247	.71	mg/L	93	85	115			
L66632-07ASD	ASD	06/23/21 20:13	II210622-2	.5005	.247	.711	mg/L	93	85	115	0	20	

Ouray Silver Mines

ACZ Project ID: ***L66632***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Mercury, dissolved M245.1 CVAA

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG521581													
WG521581ICV	ICV	06/23/21 10:03	HG210601-3	.00501		.00507	mg/L	101	95	105			
WG521581ICB	ICB	06/23/21 10:04				U	mg/L		-0.0002	0.0002			
WG521698													
WG521698LRB	LRB	06/23/21 14:36				U	mg/L		-0.00044	0.00044			
WG521698LFB	LFB	06/23/21 14:37	HG210601-6	.002002		.00181	mg/L	90	85	115			
L66598-01LFM	LFM	06/23/21 14:52	HG210601-6	.002002	U	.00176	mg/L	88	85	115			
L66598-01LFMD	LFMD	06/23/21 14:53	HG210601-6	.002002	U	.00182	mg/L	91	85	115	3	20	
WG521803													
WG521803ICV	ICV	06/24/21 12:22	HG210601-3	.00501		.00493	mg/L	98	95	105			
WG521803ICB	ICB	06/24/21 12:22				U	mg/L		-0.0002	0.0002			
WG521801													
WG521801LRB	LRB	06/24/21 15:08				U	mg/L		-0.00044	0.00044			
WG521801LFB	LFB	06/24/21 15:09	HG210601-6	.002002		.00177	mg/L	88	85	115			
L63922-22LFM	LFM	06/24/21 15:24	HG210601-6	.002002	U	.00222	mg/L	111	85	115			
L63922-22LFMD	LFMD	06/24/21 15:25	HG210601-6	.002002	U	.00188	mg/L	94	85	115	17	20	

Molybdenum, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG522457													
WG522457ICV	ICV	07/02/21 17:52	MS210630-2	.01992		.02025	mg/L	102	90	110			
WG522457ICB	ICB	07/02/21 17:54				U	mg/L		-0.00044	0.00044			
WG522457LFB	LFB	07/02/21 17:56	MS210702-2	.0501		.05082	mg/L	101	85	115			
L66632-01AS	AS	07/02/21 18:07	MS210702-2	.0501	.00088	.05009	mg/L	98	70	130			
L66632-01ASD	ASD	07/02/21 18:09	MS210702-2	.0501	.00088	.05061	mg/L	99	70	130	1	20	
L66643-03AS	AS	07/02/21 18:36	MS210702-2	.0501	.0138	.06318	mg/L	99	70	130			
L66643-03ASD	ASD	07/02/21 18:38	MS210702-2	.0501	.0138	.06414	mg/L	100	70	130	2	20	

Nickel, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG521725													
WG521725ICV	ICV	06/23/21 18:44	II210608-1	2		1.941	mg/L	97	95	105			
WG521725ICB	ICB	06/23/21 18:50				U	mg/L		-0.024	0.024			
WG521725LFB	LFB	06/23/21 19:03	II210622-2	.5		.4849	mg/L	97	85	115			
L66608-03AS	AS	06/23/21 19:17	II210622-2	.5	U	.4779	mg/L	96	85	115			
L66608-03ASD	ASD	06/23/21 19:20	II210622-2	.5	U	.4799	mg/L	96	85	115	0	20	
L66632-07AS	AS	06/23/21 20:09	II210622-2	.5	U	.4942	mg/L	99	85	115			
L66632-07ASD	ASD	06/23/21 20:13	II210622-2	.5	U	.4903	mg/L	98	85	115	1	20	

Nitrate/Nitrite as N M353.2 - H2SO4 preserved

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG521999													
WG521999ICV	ICV	06/26/21 20:28	WI210603-7	2.416		2.465	mg/L	102	90	110			
WG521999ICB	ICB	06/26/21 20:29				U	mg/L		-0.02	0.02			
WG521999LFB	LFB	06/26/21 20:33	WI210331-13	2		2.116	mg/L	106	90	110			
L66547-03DUP	DUP	06/26/21 20:58			1.92	1.939	mg/L				1	20	
L66547-02AS	AS	06/26/21 21:15	WI210331-13	6	5.11	11.476	mg/L	106	90	110			

Ouray Silver Mines

ACZ Project ID: ***L66632***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

pH (lab) SM4500H+ B

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG521892													
WG521892LCSW1	LCSW	06/24/21 19:03	PCN61687	6		6	units	100	5.9	6.1			
WG521892LCSW4	LCSW	06/24/21 22:17	PCN61687	6		6.1	units	102	5.9	6.1			
L66632-03DUP	DUP	06/25/21 0:06			7.7	7.7	units				0	20	
L66632-08DUP	DUP	06/25/21 0:51			5.8	5.6	units				4	20	
WG521892LCSW7	LCSW	06/25/21 1:39	PCN61687	6		6.1	units	102	5.9	6.1			
WG521892LCSW10	LCSW	06/25/21 6:35	PCN61687	6		6.1	units	102	5.9	6.1			
WG521892LCSW13	LCSW	06/25/21 10:18	PCN61687	6		6.1	units	102	5.9	6.1			

Phosphorus, total M365.1 - Auto Ascorbic Acid (digest)

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG522196													
WG522196ICV	ICV	06/29/21 21:46	WI210603-3	.65228		.687	mg/L	105	90	110			
WG522196ICB	ICB	06/29/21 21:48				U	mg/L		-0.01	0.01			
WG522199													
WG522117LRB	LRB	06/29/21 23:45				U	mg/L		-0.01	0.01			
WG522117LFB	LFB	06/29/21 23:47	WI210617-5	.5		.527	mg/L	105	90	110			
L66616-03LFM	LFM	06/29/21 23:49	WI210617-5	.5	U	.524	mg/L	105	90	110			
L66617-03DUP	DUP	06/29/21 23:51			U	U	mg/L				0	20	RA

Potassium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG521725													
WG521725ICV	ICV	06/23/21 18:44	II210608-1	20		19.18	mg/L	96	95	105			
WG521725ICB	ICB	06/23/21 18:50				.23	mg/L		-0.6	0.6			
WG521725LFB	LFB	06/23/21 19:03	II210622-2	100.0157		99	mg/L	99	85	115			
L66608-03AS	AS	06/23/21 19:17	II210622-2	100.0157	241	335.1	mg/L	94	85	115			
L66608-03ASD	ASD	06/23/21 19:20	II210622-2	100.0157	241	332.7	mg/L	92	85	115	1	20	
L66632-07AS	AS	06/23/21 20:09	II210622-2	100.0157	1.75	104.3	mg/L	103	85	115			
L66632-07ASD	ASD	06/23/21 20:13	II210622-2	100.0157	1.75	101.4	mg/L	100	85	115	3	20	

Residue, Filterable (TDS) @180C SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG521865													
WG521865PBW	PBW	06/24/21 13:10				U	mg/L		-20	20			
WG521865LCSW	LCSW	06/24/21 13:12	PCN63836	1000		992	mg/L	99	80	120			
L66632-04DUP	DUP	06/24/21 14:10			100	102	mg/L				2	10	RA
WG521875													
WG521875PBW	PBW	06/24/21 15:55				U	mg/L		-20	20			
WG521875LCSW	LCSW	06/24/21 15:57	PCN63836	1000		982	mg/L	98	80	120			
L66632-06DUP	DUP	06/24/21 16:05			128	124	mg/L				3	10	RA

Ouray Silver Mines ACZ Project ID: ***L66632***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Residue, Non-Filterable (TSS) @105C SM2540D

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG521805													
WG521805PBW	PBW	06/24/21 9:10				U	mg/L		-5	5			
WG521805LCSW	LCSW	06/24/21 9:12	PCN63836	100		90	mg/L	90	80	120			
L66632-03DUP	DUP	06/24/21 10:10			U	U	mg/L				0	10	RA
WG521840													
WG521840PBW	PBW	06/24/21 10:50				U	mg/L		-5	5			
WG521840LCSW	LCSW	06/24/21 10:52	PCN63836	100		97	mg/L	97	80	120			
L66632-08DUP	DUP	06/24/21 11:21			U	U	mg/L				0	10	RA

Selenium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG522457													
WG522457ICV	ICV	07/02/21 17:52	MS210630-2	.05		.05005	mg/L	100	90	110			
WG522457ICB	ICB	07/02/21 17:54				.00013	mg/L		-0.00022	0.00022			
WG522457LFB	LFB	07/02/21 17:56	MS210702-2	.05		.05036	mg/L	101	85	115			
L66632-01AS	AS	07/02/21 18:07	MS210702-2	.05	.00016	.05144	mg/L	103	70	130			
L66632-01ASD	ASD	07/02/21 18:09	MS210702-2	.05	.00016	.0515	mg/L	103	70	130	0	20	
L66643-03AS	AS	07/02/21 18:36	MS210702-2	.05	U	.05101	mg/L	102	70	130			
L66643-03ASD	ASD	07/02/21 18:38	MS210702-2	.05	U	.05102	mg/L	102	70	130	0	20	

Silica, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG521725													
WG521725ICV	ICV	06/23/21 18:44	II210608-1	42.8		42.66	mg/L	100	95	105			
WG521725ICB	ICB	06/23/21 18:50				U	mg/L		-0.6	0.6			
WG521725LFB	LFB	06/23/21 19:03	II210622-2	21.415		22.01	mg/L	103	85	115			
L66608-03AS	AS	06/23/21 19:17	II210622-2	21.415	2.3	24.66	mg/L	104	85	115			
L66608-03ASD	ASD	06/23/21 19:20	II210622-2	21.415	2.3	24.33	mg/L	103	85	115	1	20	
L66632-07AS	AS	06/23/21 20:09	II210622-2	21.415	7.5	29.7	mg/L	104	85	115			
L66632-07ASD	ASD	06/23/21 20:13	II210622-2	21.415	7.5	29.91	mg/L	105	85	115	1	20	

Silver, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG522457													
WG522457ICV	ICV	07/02/21 17:52	MS210630-2	.02		.01998	mg/L	100	90	110			
WG522457ICB	ICB	07/02/21 17:54				U	mg/L		-0.00022	0.00022			
WG522457LFB	LFB	07/02/21 17:56	MS210702-2	.01002		.01018	mg/L	102	85	115			
L66632-01AS	AS	07/02/21 18:07	MS210702-2	.01002	U	.0099	mg/L	99	70	130			
L66632-01ASD	ASD	07/02/21 18:09	MS210702-2	.01002	U	.00991	mg/L	99	70	130	0	20	
L66643-03AS	AS	07/02/21 18:36	MS210702-2	.01002	U	.00882	mg/L	88	70	130			
L66643-03ASD	ASD	07/02/21 18:38	MS210702-2	.01002	U	.009	mg/L	90	70	130	2	20	

Ouray Silver Mines

ACZ Project ID: ***L66632***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Sodium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG521725													
WG521725ICV	ICV	06/23/21 18:44	II210608-1	100		98.62	mg/L	99	95	105			
WG521725ICB	ICB	06/23/21 18:50				U	mg/L		-0.6	0.6			
WG521725LFB	LFB	06/23/21 19:03	II210622-2	100.0605		98.37	mg/L	98	85	115			
L66608-03AS	AS	06/23/21 19:17	II210622-2	100.0605	491	570.9	mg/L	80	85	115			M3
L66608-03ASD	ASD	06/23/21 19:20	II210622-2	100.0605	491	561.6	mg/L	71	85	115	2	20	M3
L66632-07AS	AS	06/23/21 20:09	II210622-2	100.0605	3.42	105.6	mg/L	102	85	115			
L66632-07ASD	ASD	06/23/21 20:13	II210622-2	100.0605	3.42	103.1	mg/L	100	85	115	2	20	

Sulfate D516-02/-07/-11 - TURBIDIMETRIC

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG523091													
WG523091ICB	ICB	07/13/21 9:59				U	mg/L		-3	3			
WG523091ICV	ICV	07/13/21 9:59	WI210629-1	20.46		19.9	mg/L	97	90	110			
WG523091LFB	LFB	07/13/21 12:42	WI210105-3	10		9.8	mg/L	98	90	110			
L66632-08AS	AS	07/13/21 12:45	WI210105-3	10	U	8.8	mg/L	88	90	110			M2
L66651-04DUP	DUP	07/13/21 13:24			43.2	44.1	mg/L				2	20	RA

Thallium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG522457													
WG522457ICV	ICV	07/02/21 17:52	MS210630-2	.05		.05135	mg/L	103	90	110			
WG522457ICB	ICB	07/02/21 17:54				U	mg/L		-0.00022	0.00022			
WG522457LFB	LFB	07/02/21 17:56	MS210702-2	.05		.04942	mg/L	99	85	115			
L66632-01AS	AS	07/02/21 18:07	MS210702-2	.05	U	.04833	mg/L	97	70	130			
L66632-01ASD	ASD	07/02/21 18:09	MS210702-2	.05	U	.04891	mg/L	98	70	130	1	20	
L66643-03AS	AS	07/02/21 18:36	MS210702-2	.05	U	.04916	mg/L	98	70	130			
L66643-03ASD	ASD	07/02/21 18:38	MS210702-2	.05	U	.04946	mg/L	99	70	130	1	20	

Uranium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG522457													
WG522457ICV	ICV	07/02/21 17:52	MS210630-2	.05		.05028	mg/L	101	90	110			
WG522457ICB	ICB	07/02/21 17:54				U	mg/L		-0.00022	0.00022			
WG522457LFB	LFB	07/02/21 17:56	MS210702-2	.05		.04957	mg/L	99	85	115			
L66632-01AS	AS	07/02/21 18:07	MS210702-2	.05	U	.04841	mg/L	97	70	130			
L66632-01ASD	ASD	07/02/21 18:09	MS210702-2	.05	U	.04862	mg/L	97	70	130	0	20	
L66643-03AS	AS	07/02/21 18:36	MS210702-2	.05	.00315	.05319	mg/L	100	70	130			
L66643-03ASD	ASD	07/02/21 18:38	MS210702-2	.05	.00315	.05323	mg/L	100	70	130	0	20	

Ouray Silver Mines

ACZ Project ID: ***L66632***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Vanadium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG521725													
WG521725ICV	ICV	06/23/21 18:44	II210608-1	2		1.978	mg/L	99	95	105			
WG521725ICB	ICB	06/23/21 18:50				U	mg/L		-0.015	0.015			
WG521725LFB	LFB	06/23/21 19:03	II210622-2	.5005		.5034	mg/L	101	85	115			
L66608-03AS	AS	06/23/21 19:17	II210622-2	.5005	U	.4903	mg/L	98	85	115			
L66608-03ASD	ASD	06/23/21 19:20	II210622-2	.5005	U	.499	mg/L	100	85	115	2	20	
L66632-07AS	AS	06/23/21 20:09	II210622-2	.5005	U	.5153	mg/L	103	85	115			
L66632-07ASD	ASD	06/23/21 20:13	II210622-2	.5005	U	.503	mg/L	100	85	115	2	20	

Zinc, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG521725													
WG521725ICV	ICV	06/23/21 18:44	II210608-1	2		1.968	mg/L	98	95	105			
WG521725ICB	ICB	06/23/21 18:50				U	mg/L		-0.06	0.06			
WG521725LFB	LFB	06/23/21 19:03	II210622-2	.50075		.486	mg/L	97	85	115			
L66608-03AS	AS	06/23/21 19:17	II210622-2	.50075	.18	.663	mg/L	96	85	115			
L66608-03ASD	ASD	06/23/21 19:20	II210622-2	.50075	.18	.682	mg/L	100	85	115	3	20	
L66632-07AS	AS	06/23/21 20:09	II210622-2	.50075	.195	.697	mg/L	100	85	115			
L66632-07ASD	ASD	06/23/21 20:13	II210622-2	.50075	.195	.687	mg/L	98	85	115	1	20	

Ouray Silver Mines

ACZ Project ID: ***L66632***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L66632-01	WG521725	Calcium, dissolved	M200.7 ICP	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG522956	Chloride	SM4500Cl-E	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG522398	Cyanide, total	M335.4 - Colorimetric w/ distillation	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG521725	Manganese, dissolved	M200.7 ICP	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG522199	Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG521865	Residue, Filterable (TDS) @180C	SM2540C	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG521805	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
			SM2540D	Z3	Sample volume yielded a residue less than 2.5 mg
	WG521725	Sodium, dissolved	M200.7 ICP	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG523091	Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07/-11 - TURBIDIMETRIC	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L66632-02	WG521725	Calcium, dissolved	M200.7 ICP	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG522956	Chloride	SM4500Cl-E	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG522398	Cyanide, total	M335.4 - Colorimetric w/ distillation	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG521725	Manganese, dissolved	M200.7 ICP	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG522199	Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG521865	Residue, Filterable (TDS) @180C	SM2540C	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG521805	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
			SM2540D	Z3	Sample volume yielded a residue less than 2.5 mg
	WG521725	Sodium, dissolved	M200.7 ICP	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
	WG523091	Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07/-11 - TURBIDIMETRIC	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).

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ACZ Project ID: ***L66632***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L66632-03	WG522956	Chloride	SM4500Cl-E	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG522398	Cyanide, total	M335.4 - Colorimetric w/ distillation	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG522199	Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG521865	Residue, Filterable (TDS) @180C	SM2540C	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG521805	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
			SM2540D	Z3	Sample volume yielded a residue less than 2.5 mg
	WG523091	Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07/-11 - TURBIDIMETRIC	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L66632-04	WG522956	Chloride	SM4500Cl-E	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG521892	Conductivity @25C	SM2510B	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG522398	Cyanide, total	M335.4 - Colorimetric w/ distillation	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG522199	Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG521865	Residue, Filterable (TDS) @180C	SM2540C	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG521840	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG523091	Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07/-11 - TURBIDIMETRIC	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG521892	Total Alkalinity	SM2320B - Titration	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).

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ACZ Project ID: ***L66632***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L66632-05	WG522956	Chloride	SM4500Cl-E	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG521892	Conductivity @25C	SM2510B	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG522398	Cyanide, total	M335.4 - Colorimetric w/ distillation	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG522199	Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG521875	Residue, Filterable (TDS) @180C	SM2540C	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG521840	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
			SM2540D	Z3	Sample volume yielded a residue less than 2.5 mg
	WG523091	Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07/-11 - TURBIDIMETRIC	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG521892	Total Alkalinity	SM2320B - Titration	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L66632-06	WG522956	Chloride	SM4500Cl-E	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG521892	Conductivity @25C	SM2510B	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG522398	Cyanide, total	M335.4 - Colorimetric w/ distillation	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG522199	Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG521875	Residue, Filterable (TDS) @180C	SM2540C	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG521840	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
			SM2540D	Z3	Sample volume yielded a residue less than 2.5 mg
	WG523091	Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07/-11 - TURBIDIMETRIC	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG521892	Total Alkalinity	SM2320B - Titration	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).

Ouray Silver Mines ACZ Project ID: ***L66632***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L66632-07	WG522956	Chloride	SM4500Cl-E	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG521892	Conductivity @25C	SM2510B	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG522398	Cyanide, total	M335.4 - Colorimetric w/ distillation	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG522199	Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG521875	Residue, Filterable (TDS) @180C	SM2540C	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG521840	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
			SM2540D	Z3	Sample volume yielded a residue less than 2.5 mg
	WG523091	Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07/-11 - TURBIDIMETRIC	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG521892	Total Alkalinity	SM2320B - Titration	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L66632-08	WG522956	Chloride	SM4500Cl-E	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG521892	Conductivity @25C	SM2510B	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG522398	Cyanide, total	M335.4 - Colorimetric w/ distillation	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG522199	Phosphorus, total	M365.1 - Auto Ascorbic Acid (digest)	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG521875	Residue, Filterable (TDS) @180C	SM2540C	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
			SM2540C	Z3	Sample volume yielded a residue less than 2.5 mg
	WG521840	Residue, Non-Filterable (TSS) @105C	SM2540D	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
			SM2540D	Z3	Sample volume yielded a residue less than 2.5 mg
	WG523091	Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07/-11 - TURBIDIMETRIC	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG521892	Total Alkalinity	SM2320B - Titration	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).

Certification Qualifiers

Ouray Silver Mines

ACZ Project ID: ***L66632***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Ouray Silver Mines

ACZ Project ID: L66632
Date Received: 06/18/2021 11:22
Received By:
Date Printed: 6/22/2021

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?		X	

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?		X	

L66632-06 Container B2419287 (PURPLE): The sample date/time was not present on the sample containers.

L66632-06 Container B2419288 (RAW): The ID on the sample label is GW-3A, and on the COC the ID is GW-3B. The sample ID was entered per the COC.

L66632-06 Container B2419289 (WHITE): The sample date/time was not present on the sample containers.

L66632-06 Container B2419290 (GREEN PC): The sample date/time was not present on the sample containers.

L66632-06 Container B2419291 (YELLOW): The sample date/time was not present on the sample containers.

11) For preserved bottle types, was the pH checked and within limits? [1]	X		
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

Ouray Silver Mines

ACZ Project ID: L66632
Date Received: 06/18/2021 11:22
Received By:
Date Printed: 6/22/2021

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
4828	5.5	<=6.0	15	N/A

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s) but was thawed by receipt at ACZ.

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ Laboratories, Inc. L 66632 — **CHAIN of CUSTODY**

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Report to:

Name: Briana Green | Address:
Company: Solid Solutions Geosciences | Telephone:
E-mail: briana@solidsolutionsgeo.com

Copy of Report to:

Name: Chris Balaye | E-mail: purewater.email@gmail.com
Company: Pure Water Systems | Telephone:

Invoice to:

Name: Ashlee Briggs | Address:
Company: Ocean Silver Mines Inc | Telephone:
E-mail: payable@oceansilvermines.com

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES [X] NO [ ]

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified

Are samples for SDWA Compliance Monitoring? Yes [ ] No [X]

If yes, please include state forms. Results will be reported to PQL for Colorado.

Sampler's Name: Chris | Sampler's Site Information State CO | Zip code 81427 | Time Zone MT

*Sampler's Signature: Chris

*I attest to the authenticity and validity of this sample. I understand that intentionally mislabeling the time/date/location or tampering with the sample in anyway, is considered fraud and punishable by State Law.

PROJECT INFORMATION

Quote #: GW
PO#:
Reporting state for compliance testing:
Check box if samples include NRC licensed material? [ ]

SAMPLE IDENTIFICATION	DATE	TIME	Matrix	# of Containers	GWquote							
GW-1A	6/7	800	GW	5	X							
GW-1B	6/7	900	GW	5	X							
GW-99	6/7	830	GW	5	X							
GW-2A	6/7	1115	GW	5	X							
GW-2B	6/7	1135	GW	5	X							
GW-3B	6/7	1015	GW	5	X							
GW-3R	6/7	945	GW	5	X							
GW-C	6/7	1200	GW	5	X							

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Sample GW-3B was not filtered
See attached notes regarding updated sample names

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY	DATE TIME	RECEIVED BY	DATE TIME
Chris	6/7 1445	CBS	6/7 1445
			6/8/21 11:23

FRMAD050.06.14.14 White - Return with sample. Yellow - Retain for your records.

L66632 Chain of Custod

ESS FIRMLY TO SEAL

PRESS FIRMLY TO SEAL

1007

80203

U.S. POSTAGE PAID
PME 1-Day
RIDGWAY, CO
81432
JUL 26, 21
AMOUNT
$26.35
R2304Y123009-1

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TEST SERVICE IN THE U.S.

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IAY BE REQUIRED.

2013 OD: 12.5 x 9.5

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UNITED STATES POSTAL SERVICE® | PRIORITY MAIL EXPRESS®

EJ 880 471 144 US

CUSTOMER USE ONLY

FROM: (PLEASE PRINT) PHONE ( )

Ouray Silver Mines Inc.
PO ~~Box~~ ~~Stat~~ 564
Ouray CO 81427

DELIVERY OPTIONS (Customer Use Only)

☐ **SIGNATURE REQUIRED** *Note:* The mailer must check the "Signature Required" box if the mailer: 1) Requires the addressee's signature; OR 2) Purchases additional insurance; OR 3) Purchases COD service; OR 4) Purchases Return Receipt service. If the box is not checked, the Postal Service will leave the item in the addressee's mail receptacle or other secure location without attempting to obtain the addressee's signature on delivery.

Delivery Options

☐ No Saturday Delivery (delivered next business day)
☐ Sunday/Holiday Delivery Required (additional fee, where available*)
*Refer to USPS.com® or local Post Office™ for availability.

TO: (PLEASE PRINT) PHONE ( )

Colo. Division of Reclamation,
Mining, and Safety
1313 Sherman St. Rm 215
Denver CO, 80203

ZIP + 4® (U.S. ADDRESSES ONLY)
80203-____

■ For pickup or USPS Tracking™, visit USPS.com or call 800-222-1811.
■ $100.00 insurance included.

PEEL FROM THIS CORNER

PAYMENT BY ACCOUNT (if applicable)

USPS® Corporate Acct. No.	Federal Agency Acct. No. or Postal Service™ Acct. No.

ORIGIN (POSTAL SERVICE USE ONLY)

☐ 1-Day ☐ 2-Day ☐ Military ☐ DPO

PO ZIP Code	Scheduled Delivery Date (MM/DD/YY)	Postage
81432	7/27/21	$ 26.35

Date Accepted (MM/DD/YY)	Scheduled Delivery Time	Insurance Fee	COD Fee
7/26/21	☐ 6:00 PM	$	$

Time Accepted		Return Receipt Fee	Live Animal Transportation Fee
2:20	☐ AM ☑ PM	$	$

Special Handling/Fragile	Sunday/Holiday Premium Fee	Total Postage & Fees
$	$	26.35

Weight	Flat Rate	Acceptance Employee Initials	
lbs.	ozs.	DMS	$

DELIVERY (POSTAL SERVICE USE ONLY)

Delivery Attempt (MM/DD/YY)	Time	Employee Signature
	☐ AM ☐ PM	
Delivery Attempt (MM/DD/YY)	Time	Employee Signature
	☐ AM ☐ PM	

LABEL 11-B, MAY 2021 PSN 7690-02-000-9996

VISIT US AT USPS.COM®
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UNITED STATES POSTAL SERVICE

Attachment 8

Proof of Public Notices

Ouray Silver Mines, Inc.
1900 Main St. Unit 1
PO Box 564
Ouray, CO 81427

Via US Mail and Email

January 12, 2022

Mr. Lucas West
Colorado Division of Reclamation Mining and Safety
1313 Sherman Street, Rm 215
Denver, CO 80203

Subject: **Amendment 02 Proof of Public Notice**
DRMS Permit No. M-2012-032
Revenue Mine, Ouray County, Colorado

Dear Mr. West:

In accordance with Rule 1.6.2(1)(e) and 1.6.2(1)(d), Ouray Silver Mines, Inc. (OSMI) is submitting proof that notices were delivered by certified mail to adjacent landowners and proof that a legal notice was published in the local newspaper for four consecutive weeks. Enclosed with this letter are:

- Copies of certified mail return receipts to property owners within 200 feet of the affected lands boundary, which included the Forest Service and Ouray County; and
- Copies of the legal notices published on December 16, 23, and 30, 2021 and Jan 6, 2022. An affidavit from the Plaindealer will not be available until the end of January 2022.

If you have any questions regarding the enclosed information, please contact me at (970) 325-9830.

Sincerely,

Poppy Staub
VP Environment & Government Affairs
Ouray Silver Mine Inc.

Cc: Travis Marshall, DRMS
Amy Yeldell, DRMS
Buck Andrews, OSMI
Todd Jesse, OSMI

Enc.

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only
For delivery information, visit our website at www.usps.com®.
OFFICIAL USE
Montrose, CO 81401
Certified Mail Fee $3.75
Extra Services & Fees (check box, add fee as appropriate) $3.05
Return Receipt (hardcopy) $0.00
Return Receipt (electronic) $0.00
Certified Mail Restricted Delivery $0.00
Adult Signature Required
Adult Signature Restricted Delivery $
Postage $1.16
Total Postage and Fees $7.96
Sent To Ouray Ranger District
Street and Apt. No., or PO Box No. 2505 S Townsend Ave
City, State, ZIP+4® Montrose, CO 81401
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions
0582 04
OURAY CO 81427
Postmark Here
DEC 16 2021
12/16/2021
7020 2450 0000 2901 0866

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only
For delivery information, visit our website at www.usps.com®.
OFFICIAL USE
Ouray, CO 81427
Certified Mail Fee $3.75
Extra Services & Fees (check box, add fee as appropriate) $3.05
Return Receipt (hardcopy) $0.00
Return Receipt (electronic) $0.00
Certified Mail Restricted Delivery $0.00
Adult Signature Required
Adult Signature Restricted Delivery $
Postage $1.16
Total Postage and Fees $7.96
Sent To Ouray County
Street and Apt. No., or PO Box No. PO Box C
City, State, ZIP+4® Ouray CO 81427
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions
0582 04
OURAY CO 81427
Postmark Here
DEC 16 2021
12/16/2021
7020 2450 0000 2901 0798

UNITED STATES POSTAL SERVICE.

OURAY
620 MAIN ST
OURAY, CO 81427-9998
(800)275-8777

12/16/2021 10:45 AM

Product	Qty	Unit Price	Price
First-Class Mail® Large Envelope	1		$1.16
Montrose, CO 81401			
Weight: 0 lb 0.90 oz			
Estimated Delivery Date			
Mon 12/20/2021			
Certified Mail®			
Tracking #:			$3.75
70202450000029010866			
Return Receipt			
Tracking #:			$3.05
9590 9402 5792 0034 6100 05			
Total			$7.96
First-Class Mail® Large Envelope	1		$1.16
Ouray, CO 81427			
Weight: 0 lb 0.90 oz			
Estimated Delivery Date			
Mon 12/20/2021			
Certified Mail®			
Tracking #:			$3.75
70202450000029010798			
Return Receipt			
Tracking #:			$3.05
9590 9402 5792 0034 6099 79			
Total			$7.96
Grand Total:			$15.92
Debit Card Remitted			$15.92
Card Name: VISA			
Account #: XXXXXXXXXXXX5609			
Approval #: 004526			
Transaction #: 606			
Receipt #: 007559			
Debit Card Purchase: $15.92			
AID: A0000000980840			
AL: US DEBIT			Chip
PIN: Verified			

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Ouray Ranger District
2505 S. Townsend Ave
Montrose, CO 81401

9590 9402 5792 0034 6100 05

2. Article Number *(Transfer from service label)*
020 2450 0000 2901 0866

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☒ Agent ☐ Addressee

B. Received by *(Printed Name)* Jana Moe

C. Date of Delivery 12/20/21

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☒ No

3. Service Type
- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☐ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over $500)
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Return Receipt for Merchandise
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Ouray County
PO Box C
Ouray CO 81427

9590 9402 5792 0034 6099 79

2. Article Number *(Transfer from service label)*
7020 2450 0000 2901 0798

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* Sulewski

C. Date of Delivery 12/28/21

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☐ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ ed Mail Restricted Delivery : $500)
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Return Receipt for Merchandise
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

LEGAL NOTICES

Legal Notice No. 1263

NOTICE OF PUBLIC HEARING FOR LIQUOR LICENSE

NOTICE IS HEREBY GIVEN that the Ridgway Town Council will hold a Public Hearing on Wednesday, January 12, 2022 at 5:30 p.m. to consider Restaurant Liquor License for Lazy Dog Saloon; Applicant: Rack Stars BBQ LLC; Application filed on: December 8, 2021; to operate at 153 Highway 550, Unit #1.

All persons interested in the aforementioned application may appear before the Council either in person or represented by counsel, and present testimony, or may submit written correspondence to the Town Clerk, Town of Ridgway, P.O. Box 10, Ridgway, CO 81432 or pkraft@town.ridgway.co.us

The Board of Directors of San Miguel Power Association Inc. will be hearing public comment on proposed Bylaw changes during the Member Comment portion of their Regular Meeting to be held at 9:00AM on January 25, 2021 at the Nucla office, 170 W. 10th Ave., Nucla, Colorado. The Board will be conducting a final vote on the proposed changes at the same Meeting.

The proposed Bylaw amendments (i) clarify joint memberships and voting of joint memberships, (ii) clarify voting by entity memberships, (iii) expand the definition of a member quorum, (iv) make changes to Director qualifications and election procedures, and (v) allow for electronic voting in Director elections.

Members may request a copy of the redlined changes from the Ridgway office, 970-626-5549, or the Nucla office , 970-864-7311 and the redlined changes are posted on SMPA's website (https://www.smpa.com/content/bylaws).

Published: Ouray County Plaindealer: December 16, 2021

Legal Notice No. 1264

NOTICE OF OPPORTUNITY TO OBJECT
Baldy Mountain Landscape Resiliency and Habitat Improvement Project
USDA Forest Service
Grand Mesa Uncompahgre and Gunnison National Forests
Ouray Ranger Districts
Ouray County, Colorado

Dana Gardunio, Ouray District Ranger for the Grand Mesa, Uncompahgre and Gunnison National Forests (GMUG), has released her draft Decision Notice and the Environmental Assessment (EA) for the Baldy Mountain Landscape Resiliency and Habitat Improvement Project.

The proposed activities are a coordinated effort between the Ouray Ranger District, Uncompahgre Field Office of the Bureau of Land Management (BLM), Natural Resources Conservation Service (NRCS), the Mullin's Ranch, and multiple other landowners The intent of this project is to treat existing vegetation including pinyon, juniper, aspen, mixed conifer, and mixed mountain shrubs to benefit wildlife habitat; reduce fuels both within and outside of the wildland urban interface; and improve landscape resiliency by reintroducing fire to the ecosystem to reduce the risk of large catastrophic wildland fire while increasing the resiliency of the landscape to fire and other disturbances and subsequent post-disturbance effects such as flooding and soil erosion. The project area provides habitat for multiple species including Rocky Mountain bighorn sheep, elk, and mule deer.

The need is to create openings and additional edge habitat and increase the quality and quantity of grazing and browsing opportunities for big game and to reduce hazardous fuels. This area has been largely free of disturbance for some time and the resulting vegetation is thick and moving towards a decadent state with little understory and not providing quality browse.

The Ouray County, Colorado Community Wildfire Protection Plan was used to aid in the identification of communities at risk from wildfire. Implementing treatments will also give managers more options when dealing with wildfire in the future within the project area.

Treatment within aspen will promote regeneration and resiliency of aspen in the project area. Treating the entire area will provide quality habitat for multiple species over a large area which will minimize competition among species.

Based upon her review of analysis contained in the EA and appendices, project file and technical reports, District Ranger Gardunio has decided to approve the Proposed Action as described for National Forest System (NFS) lands with all design features/resource protection measures, public involvement and monitoring identified. Project activities proposed on NFS lands include approximately 1,076 acres of prescribed fire (870 acres of which are in Colorado Roadless Area (CRA)), mechanical treatments (e.g., using masticator) on 685 acres (188 acres within CRA), 176 acres of fire line buffer where vegetation will be thinned more than the interior of the treatment units (76 acres in CRA), improving small portions of < 1 mile of existing road to allow masticator access to project area. Some treatments may be overlapping. Additional information can be found in the EA and in her Draft Decision Notice at the following weblink: https://www.fs.usda.gov/project/?project=58554

Filing an Objection

This draft decision is subject to a predecisional objection in accordance with the provisions of 36 CFR §218 subparts A and B. Objections must be filed with the reviewing officer in writing. All objections are available for public inspection during and after the objection process. Issues raised in objections must be based on previously submitted and timely, specific written comments regarding the proposed project or activity and attributed to the objector, unless the issue is based on new information that arose after the opportunities for comment on the Preliminary EA.

At a minimum, an objection must include the following: (1) Objector's name and address as defined in 36 CFR § 218.2, with a telephone number, if available; (2) Signature or other verification of authorship upon request (a scanned signature for electronic mail may be filed with the objection); (3) When multiple names are listed on an objection, identification of the lead objector as defined in 36 CFR § 218.2. Verification of the identity of the lead objector must be provided upon request or the reviewing officer will designate a lead objector as provided in 36 CFR § 218.5(d); (4) The name of the proposed project, the name and title of the responsible official, and the name(s) of the national forest(s) and/or ranger district(s) on which the proposed project will be implemented; (5) A description of those aspects of the proposed project addressed by the objection, including specific issues related to the proposed project; if applicable, how the objector believes the environmental analysis or draft decision specifically violates law, regulation, or policy; suggested remedies that would resolve the objection; supporting reasons for the reviewing officer to consider; and (6) A statement that demonstrates the connection between Objector's prior specific written comments on the particular proposed project or activity and the content of the objection, unless the objection concerns an issue that arose after the designated opportunities for comment on the Revised Preliminary EA (i.e. after August 4, 2015). Incorporation of documents by reference is permitted only as provided for at 36 CFR § 218.8(b).

Objections, including attachments, must be filed (regular mail, delivery service or online) with the Reviewing Officer (see 36 CFR § 218.3 and §218.8) within 45 days of the publication of the legal notice in the Montrose Daily Press. The publication date of the legal notice in the Montrose Daily Press is the exclusive means for calculating the time to file an objection. Those wishing to object should not rely upon dates or timeframe information provided by any other source. Evidence of timely filing is described in 36 CFR § 218.9. Please submit objections to the Reviewing Officer at:

Mail or delivery:

Chad Stewart, Forest Supervisor/Reviewing Officer
Grand Mesa, Uncompahgre and Gunnison National Forests
2250 South Main ST
Delta, CO 81646

Electronic objections must be filed online; attachments may be included in a variety of formats (such as pdf, plain text (.txt), rich text format (.rtf), or MSWord (.doc)) In cases where no identifiable name is attached to an electronic message, a verification of identity will be required. A scanned signature is one way to provide verification.

Online: https://cara.ecosystem-management.org/Public//CommentInput?Project=58554

If you have any questions or need assistance accessing documents, please contact Luke Holguin, Zone Wildlife Biologist, luke.holguin@usda.gov or 970-327-4261

The U.S. Department of Agriculture (USDA) is an equal opportunity provider and employer.

Published: Ouray County Plaindealer: December 16, 2021

Legal Notice No. 1265

LEGAL NOTICE

Ouray Silver Mines, Inc. at 242 7th Ave Ouray, CO 81427, (970) 325-9830, has filed an application to amend its Regular (112d) Designated Mining Operation Permit with the Colorado Mined Land Reclamation Board under the provisions of the Colorado Mined Land Reclamation Act. This proposed amended application is intended to modify Amendment 01 to the Revenue-Virginius Mine permit, which was approved on August 20, 2015. The Revenue-Virginius Mine site is located in Ouray County predominantly in Township 43 North, Range 8 West, New Mexico Prime Meridian.

The proposed amendment will commence as soon as necessary permits are obtained. The proposed date of completion of associated reclamation is approximately 2030. The proposed future use of the land is commercial and rangeland/wildlife habitat. Additional information and tentative decision date may be obtained from the Division of Reclamation, Mining and Safety at 1313 Sherman St, Room 215, Denver, Colorado 80203, (303) 866-3567, or at the Ouray County Clerk and Recorder's Office, County Clerk, 541 4th Street Ouray, CO 81427, Ph: (970) 325-4961.

Anyone wishing to comment on the application may view the application at the locations listed above as well as the offices of Ouray Silver Mines, Inc.

Comments must be in writing and must be received by the Division of Reclamation, Mining and Safety by 4:00 P.M. on January 26, 2022.

Published: Ouray County Plaindealer: December 16, 23, 30, 2021, January 6, 2022

Legal Notice No. 1266

CITY OF OURAY
Legal Notice

Please take notice, pursuant to Section 3.5-D of the City of Ouray Home Rule Charter, the following Ordinance has been approved by the City Council:

Effective Date: January 15, 2022

Title: ORDINANCE NO. 8, SERIES 2021

Subject: AN ORDINANCE OF THE CITY OF OURAY, COLORADO, ADDING A NEW SECTION 2-17 OF CHAPTER 2 OF THE OURAY MUNICIPAL CODE ESTABLISHING THE TOURISM ADVISORY COMMITTEE (TAC) AS A STANDING RECOMENDING BODY

Summary: This Ordinance adds a new Section 2-17, as follows:

Chapter 2 of the Ouray Municipal Code is amended by adding a new Section 2-17 Tourism Advisory Committee, as follows:

2-17 Tourism Advisory Committee
A. At its first meeting in January, City Council shall appoint a minimum of five (5) and a maximum of nine (9) members to the Tourism Advisory Committee (TAC) for three (3) year staggered terms, along with a non-voting, city council liaison. The committee shall not have an even number of members, not including the council liaison. At all times a quorum for meetings and voting shall be no less than three (3) members.
B. The TAC is an advisory committee that functions as a recommending body to City Council and the City Administrator. Such committee shall have no authority to enter contracts, authorize expenditures on behalf of the city, or otherwise take any action as a city committee or member beyond the scope of the granted authority.
C. Members must be residents or owners of a business located within the city. To achieve diversity, the committee shall be comprised of three members representing the community-at-large and one member representing each segment of the City of Ouray tourism economy, being:
1. Lodging
2. Outdoor Recreation
3. Arts/Culture/History
4. Retail
5. Restaurants/Bars
6. Event Planning/Coordination.
D. The scope of recommendations to City Council and the City Administrator shall be to:
1. propose suggested expenditures of those portions of Lodging Occupation Tax dedicated to the Tourism Fund in any given year,
2. provide recommendations and long-term planning concerning destination marketing, management, and development initiatives designed to attract visitors to the city and then to enhance the experience,
3. provide recommendations concerning any other tourism related projects, as directed by City Council.
E. Members may be removed by City Council for malfeasance, any act in violation of C.R.S. § 24-18-101 et seq., or for substantial failure to attend scheduled meetings.

The above is a brief summary of Ordinance No. 8, 2021 and does not state all regulations and standards approved in the ordinance. The full text of the ordinance, as approved after introduction, is posted at City Hall and copies of the ordinance are available during regular business hours.

Published: Ouray County Plaindealer: December 16, 2021

Legal Notice No. 1268

LEGAL NOTICE CORRECTION

City of Ouray Ordinance No. 9, Series 2021, regarding Business Registration requirements, published on November 18, 2021, will take effect on December 18, 2021, not 2022.

Published: Ouray County Plaindealer: December 16, 2021

Legal Notice No. 1271

CITY OF OURAY
ORDINANCE NO. 13 (Series 2021)

AN ORDINANCE OF THE CITY OF OURAY, COLORADO, REPEALING AND REPLACING SECTION 3-4 OF THE OURAY CITY CODE TO ADD REGULATIONS IMPLEMENTING A NEW VOTER APPROVED EXCISE TAX FOR SHORT-TERM RENTALS BEGINNING ON JANUARY 1, 2022; SETTING FORTH PENALTIES; AND DECLARING AN EMERGENCY

SUMMARY:

SECTION 1: EMERGENCY
The City Council of the City of Ouray hereby finds this ordinance must take effect immediately to meet deadlines imposed by the State of Colorado Department of Revenue for implementation of a voter approved tax increase effective January 1, 2022, and this ordinance is necessary to the immediate preservation of the public peace, health, and safety, and that, for the reasons stated hereinabove, an emergency exists, and this ordinance shall take effect immediately upon adoption.

SECTION 2: REPEAL AND REPLACE
Section 3-4 of the Ouray Municipal Code is repealed and replaced with the following changes:
C. Short-Term Rental Excise Tax Levied
There shall be levied and charged a Short-term Rental Excise Tax upon the business of renting or leasing of a single-family, duplex, or multi-family dwelling unit, or part thereof, for less than thirty (30) days at the follow rates:
1. Fifteen percent (15%) on the base price per night per unit permitted.
2. The proceeds from the Short-Term Rental Excise Tax shall be allocated as follows:
a. Fifty percent (50%) to debt incurred for the City's wastewater treatment plant and water treatment plant.
b. Fifty percent (50%) to funding housing programs.
D. Exemptions
1. The following transactions shall be exempt from the Lodging Occupation Tax imposed
by this section:
a. Accommodations provided to the United States, State of Colorado, the City of Ouray, or any state agencies or political subdivisions.
b. Accommodations provided to an individual who is a permanent resident of a hotel, motel, apartment, hotel, lodging house, motor hotel, guest house, guest ranch, mobile home park, recreational vehicle park or other similar business, including but not limited to furnishing sites for recreation vehicles, trailers, tents, campers, camping cabins, and other similar businesses, pursuant to a written agreement for a period of at least thirty (30) consecutive days or more.
2. The Short-Term Rental Excise Tax shall not apply to any real property operating short-term rentals which is Commercial Property.
E. Collection of Tax
1. Every vendor providing accommodations taxable by this Section shall collect the tax from each customer and shall remit such tax and make a return to the City on or before the 20th day of each month, on account of accommodations provided in the preceding month. Said return shall contain such information and be in such form as the City may prescribe.
2. The burden of proving that any transaction is exempt from the tax shall be upon the vendor.
3. In the event any vendor collects more than the tax imposed by this section, such amount shall nonetheless be remitted, in full to the City.
4. The tax collected by the vendor shall be held in trust by the vendor for the City until remitted to the city.
5. The vendor shall maintain, keep, and preserve suitable records of all transactions and such other books and accounts as may be necessary to determine the amount of taxes for which the vendor is liable. All such records shall be kept for at least a period of three (3) years and shall be open to inspection and audit by the City at any reasonable time.
6. Except as otherwise provided by law, tax returns shall be kept confidential by the City and used only for administration and enforcement purposes.
F. Enforcement
1. It shall be unlawful for any person to fail to pay any tax imposed by this Section or for any vendor to fail to collect it and remit it to the City or for any person to otherwise violate any provision of this Section.
2. A penalty in the amount of ten percent (10%) of the tax due or the sum of $10.00, whichever is greater, shall be imposed upon the vendor and become due, in the event the tax is not remitted by the 20th of the month, as required by this Section and one percent (1%) interest shall accrue each month on the unpaid balance.
3. If any vendor fails to make an accurate return and pay the tax imposed by this Section, the City may make an estimate, based upon available information of the amount of tax due, and add the penalty and interest provided above. The City shall mail notice of such assessment to the vendor at his address as indicated in City records. If payment is not made within ten (10) days from the date of mailing, the City may proceed as provided in this Section or otherwise allowed by law to collect such estimate and other amounts due.
4. The tax imposed by this Section shall be a lien upon the goods and business fixtures of the vendor and upon the real property and appurtenant premises at which the taxable transactions occurred. The City may foreclose such lien in accordance with the law and record notices of such lien in the Ouray County records.
5. The City may certify the amount of any delinquent taxes as a delinquent charge upon the property at which the taxable transaction occurred to the County Treasurer for collection in the same manner as delinquent general ad valorem taxes are collected.
6. Any person convicted of violation of any provision of this section may be sentenced to a fine not to exceed one thousand ($1,000) dollars for each twenty-four (24) hour period during which said business is conducted without such payment shall constitute a separate offense and violation of this Section.

INTRODUCED, READ AND ADOPTED as an emergency by a 4 to 1 vote of the Ouray City Council, this 6th day of December, 2021.
CITY OF OURAY, COLORADO
By: s/ Ethan Funk, Mayor
ATTEST: s/ Melissa M. Drake, City Clerk

Published: Ouray County Plaindealer: December 16, 2021

LEGAL NOTICES

Legal Notice No. 48369

Ouray County Expenditure Report
November 1, 2021 - November 30, 2021

Pursuant to C.R.S. §30-25-111(1) each county shall publish a report of each claim, except salary warrants, and expenditure by it allowed and paid and taxes rebated, disclosing the name of and the amount paid to each individual or firm, a description of the services or material furnished to the county, and, as to other items, the nature of the claim and disclosing the fund charged with each expenditure.

FUND: 020 GENERAL FUND		
ALPENGLOW PUBLISHERS LLC	BOCC/LEGALS/AD	$ 2,544.65
ALPINE BANK	CAMERA/TRAVEL	$ 8,080.56
BH BLACK HILLS ENERGY	UTILITIES	$ 680.32
BRUIN WASTE MANAGEMENT	SERVICES	$ 203.12
CENTURYLINK	SERVICES	$ 1,467.01
CITIZENS STATE BANK	FEDERAL WITHHOLDING	$ 63,467.40
COLO. DEPT. OF REVENUE	SALES TAX LICENSE	$ 16.00
COLO. DEPT. PUBLIC HEALTH	19 PERMITS SEPTIC	$ 380.00
COLONIAL INSURANCE	COLONIAL NON TAXED	$ 715.77
COULTER CONSTRUCTION	REFUND FINAL INSPECTION	$ 642.85
COUNTY HEALTH POOL	DENTAL	$ 35,661.04
COUNTY SHERIFFS OF COLO.	HANDGUN PERMIT CARDS	$ 150.00
DERRICK LINNELL	CELLULAR	$ 40.00
DOLGIO NERGUI	JAN-OCT CELLULAR	$ 1,022.00
EAST NIAGARA CAR WASH	SERVICES	$ 95.04
ECOLAB	RENTAL	$ 211.36
FASTTRACK COMMUNICATIONS	SERVICES	$ 1,153.38
FEDERAL EXPRESS	SERVICES	$ 100.95
FREDRICKZINK & ASSOCIATES	FLEX MEDICAL	$ 346.67
GARY CHISM	CELLULAR	$ 240.00
GLENN BOYD	MILEAGE	$ 402.42
GREAT-WEST RETIREMENT	DEFERRED COMP	$ 21,552.31
GREAT/WEST	CCOERA LOAN PLAN	$ 4,743.40
HOME DEPOT	SUPPLIES/MATERIALS	$ 165.22
JEFF BOCKES	MILEAGE	$ 490.00
JENNIFER PETERSON	MILEAGE/CONFERENCE	$ 231.84
LEO CASELLI	REIMB MOVING EXPENSE	$ 6,000.00
LEO RASMUSSON	CELLULAR	$ 40.00
LUIS PEREZ	CELLULAR	$ 1,040.00
LYNN M. PADGETT	ORCA MTG	$ 399.33
MATTHEW BENDER & CO	SUPPLIES	$ 28.08
MICHELLE KUHLMAN	2021 FEES	$ 300.00
MICRO PLASTICS	DECALS	$ 365.02
MONTROSE DAILY PRESS	AD	$ 358.64
MONTROSE WATER FACTORY	SERVICES	$ 113.75
MONTY ENGLISH	CELLULAR	$ 40.00
MOUNTAIN ANNIE'S	REFUND	$ 1,200.00
MR. LOCK	SERVICES	$ 361.32
NIKKI HUSKEY	REFUND/VALUATION	$ 757.95
OURAY COUNTY	OCTOBER FUEL	$ 7,541.45
OURAY HARDWARE & MERCANTI	MATERIALS	$ 183.65
PDS, INC	SERVICES	$ 607.62
PITNEY BOWES	SERVICES	$ 32.00
PURCHASE POWER	POSTAGE	$ 2,092.26
QUILL	OFFICE SUPPLIES	$ 199.09
RAINMAKER	SERVICES	$ 235.00
RIDGWAY	HARDWARE PARTS	$ 239.26
ROCKY MTN. ICE	SUPPLIES	$ 460.00
SALT LAKE WHOLESALE SPORT	FULL METAL JACKET	$ 4,566.00
SAN MIGUEL COUNTY	NACO'S CONF/3NIGHTS	$ 172.17
SAN MIGUEL POWER	UTILITIES	$ 2,646.74
SCHOONOVER SERVICES INC.	SERGVICES/PARTS	$ 833.40
SCOTT'S PRINTING	WINDOW LETTERING	$ 287.40
STATE OF COLORADO	11/REGISTRATION	$ 229.02
THE PATHOLOGY GROUP PC	SERVICES	$ 3,780.00
TIM ZIRBEL	CELLULAR	$ 40.00
TIMBER RIDGE STATION	PARTS	$ 1,747.55
TOWN OF RIDGWAY	SALES TAX	$ 191.00
UNCOMPAHGRE WATERSHED PAR	WATERSHED PARTNERSHIP	$ 1,500.00
VERIZON WIRELESS	CELLULAR	$ 1,307.86
VINER LAW	SERVICES	$ 8,224.00
WASTE MANAGEMENT	SERVICES	$ 223.02
WESTCO	4TH QTR	$ 12,714.82
WESTERN PAPER DISTRIBUTOR	SUPPLIES	$ 647.31
XEROX CORP.	SERVICES	$ 148.47
XEROX FINANCIAL SERVICE	SERVICES	$ 1,021.11
	SUBTOTAL GENERAL FUND	$ 207,677.60
FUND: 040 ROAD & BRIDGE		
ABEL'S ACE HARDWARE	COLD PATCH MATERIAL	$ 4,987.50
ALPINE BANK	CAMERA/TRAVEL	$ 216.88
ALSCO	SERVICES	$ 426.58
AMERICA'S AUTO CARE & TIR	TIRES	$ 16,709.21
AUSTIN TERRY	CDL TESTING	$ 275.00
BH BLACK HILLS ENERGY	UTILITIES	$ 583.15
CENTURYLINK	SERVICES	$ 246.17
CITIZENS STATE BANK	FEDERAL WITHHOLDING	$ 13,013.22
COLONIAL INSURANCE	COLONIAL NON TAXED	$ 194.77
COUNTY HEALTH POOL	DENTAL	$ 6,493.25
ELWOOD STAFFING	10/17/21 SERVICES	$ 3,955.31
FARIS MACHINERY	PARTS	$ 5,363.13
FASTENAL SUPPLIES	PARTS	$ 4,407.93
FASTTRACK COMMUNICATIONS	SERVICES	$ 223.54
FERGUSON WATERWORKS #1116	CURB BX	$ 7 .60
FLEET PRIDE	PARTS	$ 6,026.49
GREAT-WEST RETIREMENT	DEFERRED COMP	$ 3,847.87
GREAT/WEST	CCOERA LOAN PLAN	$ 554.48
HARTMAN BROTHERS	SUPPLIES	$ 40.92
HONNEN EQUIPMENT	PARTS	$ 171.75
INDEPENDENT PUMP	ANNUAL LINE TEST	$ 576.26
MHC KENWORTH	PARTS	$ 164.69
MONTROSE FORD NISSAN	PARTS	$ 207.88
MONTROSE WATER FACTORY	SERVICES	$ 38.25
NAPA AUTO PARTS	PARTS	$ 12,963.07
NEWMAN TRAFFIC SIGNS	PANELS	$ 2,902.32
OURAY COUNTY	OCTOBER FUEL	$ 12,353.05
OURAY HARDWARE & MERCANTI	MATERIALS	$ 21.98
QUILL	OFFICE SUPPLIES	$ 29.04
RECLA METALS	SUPPLIES	$ 27.15
RIDGWAY HARDWARE	PARTS	$ 30.00
SAN MIGUEL POWER	UTILITIES	$ 574.00
SANI SERVE	SERVICES	$ 230.00
SCOTT'S PRINTING	WINDOW LETTERING	$ 369.96
STRONGHOLD FORGE & FABRIC	COUNTY RD 5 GATE	$ 2,975.00
UNCC	RTL TRANSMISSION	$ 401.28
VERIZON WIRELESS	CELLULAR	$ 296.71
WAGNER EQUIPMENT	PARTS	$ 873.86
	SUBTOTAL R&B FUND	$ 102,779.25
FUND: 050 SOCIAL SERVICES		
CITIZENS STATE BANK	FEDERAL WITHHOLDING	$ 6,421.83
COLONIAL INSURANCE	COLONIAL NON TAXED	$ 124.08
COUNTY HEALTH POOL	DENTAL	$ 2,534.66
GREAT-WEST RETIREMENT	DEFERRED COMP $	$ 1,558.66
GREAT/WEST	CCOERA LOAN PLAN	$ 1,150.91
	SUBTOTAL SOCIAL SERVICES	$ 11,790.14
FUND: 550 CONSERVATION TRUST		
STRONGHOLD FORGE & FABRIC	COUNTY RD 5 GATE	$ 6,416.00
	SUBTOTAL CONSERVATION TRUST	$ 6,416.00
FUND: 680 R&B PAVING RESERVE		
ASPHALT SPECIALIALIST & S	PAVING/CR1/PONDEROSA RD	$ 130,408.58
	SUBTOTAL R&B PAVING RESERVE	$ 130,408.58
FUND: 720 CLERK/RECORDER OPERATING		
CITY OF OURAY	SALES TAX	$ 775.29
COLO. DEPT. HUMAN SERVICE	MARRIAGE LICENSES	$ 280.00
COUNTY TREASURER	TECH SURCHARGE	$ 203.00
DEPT. OF HEALTH	MARRIAGE LICENSES	$ 42.00
OURAY COUNTY	OCTOBER FUEL	$ 719.17
OURAY TREASURER	MMM TREASURERS REPORT	$ 194,993.51
TOWN OF RIDGWAY	SALES TAX	$ 1,341.79
	SUBTOTAL CLERK/RECORDER OPERATING	$ 198,354.76
FUND: 800 EMS FUND		
ALPINE BANK	CAMERA/TRAVEL	$ 409.53
BOUND TREE MEDICAL	SUPPLIES	$ 4,410.86
BUSINESS OPTIONS	SERVICES	$ 637.67
CENTURYLINK	SERVICES	$ 227.57
CITIZENS STATE BANK	FEDERAL WITHHOLDING	$ 11,855.42
COLONIAL INSURANCE	COLONIAL NON TAXED	$ 54.10
COUNTY HEALTH POOL	DENTAL	$ 3,251.25
FASTTRACK COMMUNICATIONS	SERVICES	$ 142.98
GREAT-WEST RETIREMENT	DEFERRED COMP	$ 2,639.65
HENRY SCHEIN	SUPPLIES	$ 157.03
MICHAEL ANDREWS	ACLS REFRESHER	$ 125.00
OURAY COUNTY	OCTOBER FUEL	$ 3,157.35
R AND M AUTO PARTS	PARTS	$ 137.87
RUTH STEWART	TRAINING	$ 588.84
TIMBER RIDGE STATION	PARTS	$ 261.16
WESTCO	4TH QTR	$ 3,549.62
	SUBTOTAL EMS FUND	$ 31,605.90
FUND: 890 PUBLIC HEALTH FUND		
ALEX DURHAM	CONFERENCE	$ 209.00
ALPINE BANK	CAMERA/TRAVEL	$ 1,188.96
AMY ERIKSEN	AUG/SEPT/CELLULAR	$ 381.59
BUSINESS OPTIONS	SERVICES	$ 755.00
CENTURYLINK	SERVICES	$ 255.39
CHA	SERVICES	$ 73.12
CITIZENS STATE BANK	FEDERAL WITHHOLDING	$ 8,801.46
COLONIAL INSURANCE	COLONIAL NON TAXED	$ 39.90
COUNTY HEALTH POOL	DENTAL	$ 3,872.60
DANELLE NORMAN	CONFERENCE	$ 209.00
FREDRICKZINK & ASSOCIATES	FLEX MEDICAL	$ 217.09
GREAT-WEST RETIREMENT	DEFERRED COMP	$ 4,034.56
GUNNISON COUNTY	WCPHP	$ 1,200.00
IDARADO MINING COMPANY	RENT NOVEMBER	$ 2,244.00
MED PRO DISPOSAL	SERVICES	$ 200.00
MONTROSE WATER FACTORY	SERVICES	$ 26.25
SAN MIGUEL POWER	UTILITIES	$ 160.00
VERIZON WIRELESS	CELLULAR	$ 390.88
VICTORIA DURNAN	MILEAGE	$ 628.10
VOYAGER YOUTH PROGRAM	SEPTEMBER	$ 15,262.30
WASTE MANAGEMENT	SERVICES	$ 173.56
XEROX CORP.	SERVICES	$ 344.21
	SUBTOTAL PUBLIC HEALTH FUND	$ 40,666.97
FUND: 900 MTC FUND		
COLORADO JUDICIAL DEPT.	FAMILY FRIENDLY FUND	$ 147.00
DISTRICT ADMINISTRATOR	VICTIMS ASSISTANCE FUND	$ 208.00
	SUBTOTAL MTC FUND	$ 355.00
FUND: 920 COURTHOUSE RESTORATION		
SERVPRO	STORAGE	$ 9.30
	SUBTOTAL COURTHOUSE RESOTRATION	$ 9.30
FUND: 950 FUEL PUMPS FUND		
RHINEHART OIL	SEPTEMBER FUEL	$ 22,551.51
	SUBTOTAL FUEL PUMPS FUND	$ 22,551.51
	GRAND TOTAL	$ 752,615.01

Published: Ouray County Plaindealer: December 23, 2021

Legal Notice No. 1265

LEGAL NOTICE

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The proposed amendment will commence as soon as necessary permits are obtained. The proposed date of completion of associated reclamation is approximately 2030. The proposed future use of the land is commercial and rangeland/wildlife habitat. Additional information and tentative decision date may be obtained from the Division of Reclamation, Mining and Safety at 1313 Sherman St, Room 215, Denver, Colorado 80203, (303) 866-3567, or at the Ouray County Clerk and Recorder's Office, County Clerk, 541 4th Street Ouray, CO 81427, Ph: (970) 325-4961.

Anyone wishing to comment on the application may view the application at the locations listed above as well as the offices of Ouray Silver Mines, Inc.

Comments must be in writing and must be received by the Division of Reclamation, Mining and Safety by 4:00 P.M. on January 26, 2022.

Published: Ouray County Plaindealer: December 16, 23, 30, 2021, January 6, 2022

OURAY COUNTY CLASSIFIEDS

970-325-4412 DEADLINE TUESDAY AT 10 A.M.

1075 Sherman St., #200 • plaindealer@ouraynews.com • ouraynews.com

REAL ESTATE

Tate Rogers
Broker • Owner
970-729-2366

Give Tate a call or stop by our Ridgway office t 640 Sherman St. Visit ridgwayhomesforsale.com for more!

ROGERS REAL ESTATE GROUP LLC

SERVICES

MARIA'S HOUSE AND OFFICE CLEANING SERVICE
Offers all types of cleaning services — after-construction, houses, condos, hotels, short-term rentals, etc. References. Insured. Call Maria at 970-901-3585.

FOR RENT

COMMERCIAL OFFICE SPACE
Professional offices, 2nd floor, RE/MAX building, elevator, fiber optics. 970-209-4760.

STORAGE UNITS
Double security. Central Ouray. 6 x 10.5 ft. (64 sq.ft.) $55/mo. 7 x 10.5 ft. (74 sq.ft.) $60/mo. Call Glynn at 970-596-3001.

FOR SALE

CEDAR HILL CEMETERY
For information about burials, plot sales, etc. please call Susie Mayfield, sexton, 970-318-2114.

FIREWOOD FOR SALE
Split and delivered. Contact Ty Edder at 970-519-1719.

ONE SHARE WELL WATER FOR SALE
Approved by CO Water Resources for domestic use. 15 gpm. Senior rights. $10,000 OBO. Call 970-626-5925 for information.

MEETINGS

BREAST CANCER SUPPORT GROUP
Every Wednesday, noon-1p.m., 645 S. 5th St., Montrose. Email info@bosombuddiesswc.org for details.

AL-ANON/ALATEEN
Meets Tuesday at United Church of the San Juans, main sanctuary, 295 N. Lena St., Ridgway. 5:30 p.m., info: 970-318-6966.

AGENDA
OURAY CITY COUNCIL

January 3, 2022
6 pm Regular Meeting

IN-PERSON MEETING – ALL PUBLIC WHO WOULD LIKE TO SPEAK SHOULD ATTEND IN-PERSON
320 6th Ave. – Massard Auditorium

ZOOM MEETING (FOR LISTENING PURPOSES ONLY)

https://zoom.us/j/9349389230
Meeting ID: 934 938 9230 Passcode: 491878
Or by phone: 408-638-0968 or 669-900-6833

Meeting agendas will be posted:

ci.ouray.co.us/city_offices/city_council/meeting_agendas_and_minutes.php

and at City Hall and the Post Office

AGENDA
BOARD OF COUNTY COMMISSIONERS REGULAR MEETING AND WORK SESSION

Work Session
BOCC Meeting Room, Ouray County Courthouse, 541 4th Street, Ouray, CO
Wednesday, January 5, 2022 9:00AM

Patrons may attend the meeting in-person at the location above or via Zoom using the credentials below:

Video and audio: us06web.zoom.us/j/84644680839
Meeting ID: 846 4468 0839

Phone Only: 1-346-248-7799
Meeting ID: 846 4468 0839

Regular Meeting
Ouray County Courthouse – Commissioner's Meeting Room, 541 4th Street, Ouray
Wednesday, January 5, 2022 1:30PM

Video and audio: us06web.zoom.us/j/84644680839
Meeting ID: 846 4468 0839

Phone Only: 1-346-248-7799
Meeting ID: 846 4468 0839

Meeting agendas and associated materials are posted on the Ouray County Website: www.ouraycountyco.gov. For assistance call (970) 325-7320.

Note: Agendas and amended agendas will be posted on the Ouray County Website www.ouraycountyco.gov no later than 24 hours prior to the commencement of the meeting. A endas may also be posted at the Ouray County Courthouse, 541 4th Street, Ouray, CO 81427.

LEGAL NOTICES

Legal Notice No. 1265

LEGAL NOTICE

Ouray Silver Mines, Inc. at 242 7th Ave Ouray, CO 81427, (970) 325-9830, has filed an application to amend its Regular (112d) Designated Mining Operation Permit with the Colorado Mined Land Reclamation Board under the provisions of the Colorado Mined Land Reclamation Act. This proposed amended application is intended to modify Amendment 01 to the Revenue-Virginius Mine permit, which was approved on August 20, 2015. The Revenue-Virginius Mine site is located in Ouray County predominantly in Township 43 North, Range 8 West, New Mexico Prime Meridian.

The proposed amendment will commence as soon as necessary permits are obtained. The proposed date of completion of associated reclamation is approximately 2030. The proposed future use of the land is commercial and rangeland/wildlife habitat. Additional information and tentative decision date may be obtained from the Division of Reclamation, Mining and Safety at 1313 Sherman St, Room 215, Denver, Colorado 80203, (303) 866-3567, or at the Ouray County Clerk and Recorder's Office, County Clerk, 541 4th Street Ouray, CO 81427, Ph: (970) 325-4961.

Anyone wishing to comment on the application may view the application at the locations listed above as well as the offices of Ouray Silver Mines, Inc.

Comments must be in writing and must be received by the Division of Reclamation, Mining and Safety by 4:00 P.M. on January 26, 2022.

Published: Ouray County Plaindealer: December 16, 23, 30, 2021, January 6, 2022

Legal Notice No. 1272

NOTICE TO CREDITORS

Estate of Scott Kevin McKenzie, Deceased, Case Number 21PR030015

All persons having claims against the above-named estate are required to present them to the personal representative or to the District Court of Ouray County on or before March 16, 2022, or the claims may be forever barred.

Bo James Nerlin, Devor & Plumhoff, LLC
152 Colorado Ave.
Montrose, CO 81414

Published: Ouray County Plaindealer: December 30, 2021, January 6, January 13, 2022

LEGAL NOTICES

Legal Notice No. 1265

LEGAL NOTICE

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The proposed amendment will commence as soon as necessary permits are obtained. The proposed date of completion of associated reclamation is approximately 2030. The proposed future use of the land is commercial and rangeland/wildlife habitat. Additional information and tentative decision date may be obtained from the Division of Reclamation, Mining and Safety at 1313 Sherman St, Room 215, Denver, Colorado 80203, (303) 866-3567, or at the Ouray County Clerk and Recorder's Office, County Clerk, 541 4th Street Ouray, CO 81427, Ph: (970) 325-4961.

Anyone wishing to comment on the application may view the application at the locations listed above as well as the offices of Ouray Silver Mines, Inc.

Comments must be in writing and must be received by the Division of Reclamation, Mining and Safety by 4:00 P.M. on January 26, 2022.

Published: Ouray County Plaindealer: December 16, 23, 30, 2021, January 6, 2022

Legal Notice No. 1274

IN THE DISTRICT COURT IN AND FOR WATER DIVISION NO. 4
STATE OF COLORADO
TO: ALL PERSONS INTERESTED IN WATER APPLICATIONS IN SAID WATER DIVISION NO. 4

Pursuant to C.R.S. 37-92-302, as amended, you are notified that the following is a resume of all applications filed in the Water Court during the month of December 2021.
The names, address of applicant, source of water, description of water right or conditional water right involved, and description of the ruling sought are as follows:
The water right claimed by this application may affect in priority any water right claimed or heretofore adjudicated within this division, and owners of affected rights must appear to object and protest within the time provided by statute, or be forever barred.
CASE NO. 2021CW37 (REF NO. 08CW158, 15CW27). Applicant: Slash Bar Seven 16935 6450 Rd., Montrose, CO 81403. Application for Finding of Reasonable Diligence: K&T Spring - SE1/4NE1/4NW1/4 of section 32, T46N, R9W, NMPM. 1,108 feet from the north section line and 1,936 feet from the west section line. Source: McKenzie Creek, Uncompahgre River. Appropriation Date: 11/23/2007. Amount Claimed .033 c.f.s. conditional for domestic use in one single family dwelling. The application on file with the Water Court contains an outline of the work performed during the diligence period. OURAY COUNTY.
YOU ARE FURTHER NOTIFIED THAT you have until the last day of February, 2022 to file with the Water Clerk a Verified Statement of Opposition setting forth facts as to why a certain application should not be granted or why it should be granted only in part or on certain conditions. A copy of such a Statement of Opposition must also be served upon the applicant or the applicant's attorney and an affidavit of certificate of such service shall be filed with the Water Clerk, as prescribed by C.R.C.P. Rule 5. (Filing fee: $192.00; Forms may be obtained from the Water Clerk's Office or on our website at www.courts.state.co.us). (This publication can be viewed in its entirety on the state court website at: www.courts.state.co.us). FRED CASTLE, Water Clerk, Water Division 4, 1200 N. Grand Ave., Bin A, Montrose, CO 81401

Published: Ouray County Plaindealer: January 6, 2022

Legal Notice No. 1275

IN THE DISTRICT COURT IN AND FOR WATER DIVISION NO. 4
STATE OF COLORADO
TO: ALL PERSONS INTERESTED IN WATER APPLICATIONS IN SAID WATER DIVISION NO. 4

Pursuant to C.R.S. 37-92-302, as amended, you are notified that the following is a resume of all applications filed in the Water Court during the month of December 2021.
The names, address of applicant, source of water, description of water right or conditional water right involved, and description of the ruling sought are as follows:
The water right claimed by this application may affect in priority any water right claimed or heretofore adjudicated within this division, and owners of affected rights must appear to object and protest within the time provided by statute, or be forever barred.
CASE NO. 2021CW38. Applicant: Adam Clarkson, 2218 E. Maplewood St., Gilbert, AZ 85297. Application for Conditional Storage and Surface Water Rights and Application for Approval of Plan for Augmentation. APPLICATION FOR CONDITIONAL SURFACE WATER RIGHT: Mountain King Spring - NE1/4SE1/4 of Section 1, T42N, R8W, N.M.P.M., Easting 263530.8, Northing 4200574.9, Zone 13. Source: Uncompahgre River. Appropriation Date: 12/20/2021. Amount Claimed: 5 gpm conditional for domestic. Paymaster Spring - NE1/4SE1/4 of Section 1, T42N, R8W, N.M.P.M., Easting 263525, Northing 4200842, Zone 13. Source: Uncompahgre River. Appropriation Date: 12/20/2021. Amount Claimed: 5 gpm conditional for domestic. Mountain King Diversion - NE1/4SE1/4 of Section 1, T42N, R8W, N.M.P.M., Easting 263525, Northing 4200842, Zone 13. Source: Red Mountain Creek, Uncompahgre River. Appropriation Date: 12/20/2021. Amount Claimed: 5 gpm conditional for piscatorial, recreational, livestock, wildlife, and augmentation. APPLICATION FOR CONDITIONAL STORAGE WATER RIGHT: Mountain King Pond – NE1/4SE1/4 of Section 1, T42N, R8W, N.M.P.M., Easting 263465, Northing 4200936.4, Zone 13. Source: Red Mountain Creek, Uncompahgre River. Appropriation Date: 12/20/2021. Amount Claimed: 8.0 acre feet conditional for piscatorial, wildlife, recreational, livestock, and augmentation. Paymaster Pond – NE1/4SE1/4 of Section 1, T42N, R8W, N.M.P.M., Easting 263615, Northing 4200713, Zone 13. Source: Red Mountain Creek, Uncompahgre River. Appropriation Date: 12/20/2021. Amount Claimed: 8.0 acre feet conditional for piscatorial, wildlife, recreational, livestock, and augmentation. APPLICATION FOR APPROVAL OF PLAN FOR AUGMENTATION: The Uncompahgre River is over-appropriated during the irrigation season of April 1 through October 31 and the Gunnison River is over-appropriated year-round. Since the domestic use from the Mount King Spring and the Paymaster Spring will cause out of priority depletions, a Plan for Augmentation has been developed. The Mountain King Spring will provide water to a residence located on the Mountain Quail mining claim located south of Highway 550. It is planned that the residence will be occupied year-round. In-house demand has been estimated to average 350 gallons per day for a 4-person household. Monthly demand has been calculated to average 0.064 acre-feet with an annual demand of 0.785 acre-feet. An ISDS will be used therefore depletions are estimated to be 10% of demand. Depletions are estimated to average 0.006 acre-feet per month with an annual period totaling 0.0079 acre-feet. Total out of priority depletions for domestic use from both the Mountain King Spring and the Paymaster Spring have been estimated to be 0.16 acre-feet per year. Appendix B contains a table of the demand and the depletion from the Mountain King Spring and the Paymaster Spring. Out of Priority depletions will be replaced by releases made from the Mountain King Pond. The pond will fill in priority and when out of priority, diversions to the pond will be curtailed. Concurrently, releases from the Mountain King Pond will be made to Red Mountain Creek to replace out of priority depletions from domestic use from both the Mountain King Spring and the Paymaster Spring. OURAY COUNTY
YOU ARE FURTHER NOTIFIED THAT you have until the last day of February, 2022 to file with the Water Clerk a Verified Statement of Opposition setting forth facts as to why a certain application should not be granted or why it should be granted only in part or on certain conditions. A copy of such a Statement of Opposition must also be served upon the applicant or the applicant's attorney and an affidavit of certificate of such service shall be filed with the Water Clerk, as prescribed by C.R.C.P. Rule 5. (Filing fee: $192.00; Forms may be obtained from the Water Clerk's Office or on our website at www.courts.state.co.us). (This publication can be viewed in its entirety on the state court website at: www.courts.state.co.us). FRED CASTLE, Water Clerk, Water Division 4, 1200 N. Grand Ave., Bin A, Montrose, CO 81401

Published: Ouray County Plaindealer: January 6, 2022

Legal Notice No. 1276

IN THE DISTRICT COURT IN AND FOR WATER DIVISION NO. 4
STATE OF COLORADO
TO: ALL PERSONS INTERESTED IN WATER APPLICATIONS IN SAID WATER DIVISION NO. 4

Pursuant to C.R.S. 37-92-302, as amended, you are notified that the following is a resume of all applications filed in the Water Court during the month of December 2021.
The names, address of applicant, source of water, description of water right or conditional water right involved, and description of the ruling sought are as follows:
The water right claimed by this application may affect in priority any water right claimed or heretofore adjudicated within this division, and owners of affected rights must appear to object and protest within the time provided by statute, or be forever barred.
CASE NO. 2021CW3064 Colorado Water Conservation Board ("CWCB"), 1313 Sherman Street, Suite 718, Denver, Colorado, 80203. Telephone: (303) 866-3441. Please direct communications regarding this case to Jennifer Mele, First Assistant Attorney General, Natural Resources & Environment Section, Office of the Colorado Attorney General, 1300 Broadway, 7th Floor, Denver, Colorado 80203. Telephone: (720) 508-6282 Email: jennifer.mele@coag.gov. APPLICATION FOR WATER RIGHTS TO PRESERVE THE NATURAL ENVIRONMENT TO A REASONABLE DEGREE IN COW CREEK, A NATURAL STREAM, IN THE Uncompahgre WATERSHED, IN OURAY COUNTY, COLORADO 2. Name of water right: Cow Creek Instream Flow Water Right. 3. Legal Description: The Cow Creek Instream Flow Water Right is located in the natural stream channel of Cow Creek from the confluence with Lou Creek to the confluence with the Uncompahgre River, a distance of approximately 7.4 miles. A map depicting the approximate location of the Cow Creek Instream Flow Water Right reach is attached as Exhibit 1. A. Upstream Terminus: Confluence with Lou Creek at: i. UTM: Northing: 4231002.60; Easting: 265665.02 (NAD 1983 Zone 13 North) ii. Lat/Long: Latitude 38° 11' 47.39"N; Longitude 107° 40' 33.49"W B. Downstream Terminus: Confluence with the Uncompahgre River at: i. UTM: Northing: 4237591.58; Easting: 258039.02 (NAD 1983 Zone 13 North) ii. Lat/Long: latitude 38° 15' 13.67"N; longitude 107° 45' 54.75"W C. The Universal Transverse Mercator (UTM) of the upstream and downstream termini will be used as the legal description for the decree in this matter. The Lat/Long coordinates are provided as cross-reference locations only. The UTM and Lat/Long locations for the upstream and downstream termini were derived from CWCB GIS using the National Hydrography Dataset (NHD). 4. Source: Cow Creek, tributary to Uncompahgre River, tributary to Gunnison River, tributary to Colorado River. 5. A. Date of appropriation: March 10, 2021. B. How appropriation was initiated: Appropriation and beneficial use occurred on March 10, 2021, by the action of the CWCB pursuant to sections 37-92-102(3) and (4) and 37-92-103(3), (4) and (10), C.R.S. (2021). C. Date applied to beneficial use: March 10, 2021. 6. Amount of water claimed: Instream flow of 7.2 cfs (01/01 - 03/31), 20 cfs (04/01 - 04/30), 53 cfs (05/01 - 06/30), 20 cfs (07/01 - 07/31), 15 cfs (08/01 - 08/15), 7.2 cfs (08/16 - 08/28), 5.9 cfs (08/29 - 09/19), and 7.2 cfs (09/20 - 12/31), absolute. 7. Proposed Uses: Instream flow to preserve the natural environment to a reasonable degree. 8. Names and addresses of owners or reputed owners of the land upon which any new or existing diversion structure will be located: The notice required by section 37-92-302(2)(b), C.R.S. (2021), to the owners or reputed owners of the land upon which any new or existing diversion or storage structure is or will be constructed is not applicable in this case. This application is for instream flow water rights, exclusive to the CWCB under the provisions of section 37-92-102(3), C.R.S. (2021). As an instream flow water right, the CWCB's appropriation does not require diversion structures or storage. See Colo. River Water Conservation Dist. v. Colo. Water Conservation Bd., 594 P.2d 570, 574 (Colo. 1979); § 37-92-103(4)(c), C.R.S. (2021). As a surface water right, the CWCB's appropriation of instream flow water rights does not involve construction of a well. 9. Remarks: This appropriation by the CWCB, on behalf of the people of the State of Colorado, is made pursuant to sections 37-92-102(3) and (4) and 37-92-103(3), (4) and (10), C.R.S. (2018). The purpose of the CWCB's appropriation is to preserve the natural environment to a reasonable degree. At its regular meeting on July 21, 2021, the CWCB determined, pursuant to section 37-92-102(3)(c), C.R.S. (2021), that the natural environment of Cow Creek will be preserved to a reasonable degree by the water available for the appropriation to be made; that there is a natural environment that can be preserved to a reasonable degree with the CWCB's water rights herein, if granted; and that such environment can exist without material injury to water rights. OURAY COUNTY
YOU ARE FURTHER NOTIFIED THAT you have until the last day of February, 2022 to file with the Water Clerk a Verified Statement of Opposition setting forth facts as to why a certain application should not be granted or why it should be granted only in part or on certain conditions. A copy of such a Statement of Opposition must also be served upon the applicant or the applicant's attorney and an affidavit of certificate of such service shall be filed with the Water Clerk, as prescribed by C.R.C.P. Rule 5. (Filing fee: $192.00; Forms may be obtained from the Water Clerk's Office or on our website at www.courts.state.co.us). (This publication can be viewed in its entirety on the state court website at: www.courts.state.co.us). FRED CASTLE, Water Clerk, Water Division 4, 1200 N. Grand Ave., Bin A, Montrose, CO 81401

Published: Ouray County Plaindealer: January 6, 2022

Legal Notice No. 1277

IN THE DISTRICT COURT IN AND FOR WATER DIVISION NO. 4
STATE OF COLORADO
TO: ALL PERSONS INTERESTED IN WATER APPLICATIONS IN SAID WATER DIVISION NO. 4

Pursuant to C.R.S. 37-92-302, as amended, you are notified that the following is a resume of all applications filed in the Water Court during the month of December 2021.
The names, address of applicant, source of water, description of water right or conditional water right involved, and description of the ruling sought are as follows:
The water right claimed by this application may affect in priority any water right claimed or heretofore adjudicated within this division, and owners of affected rights must appear to object and protest within the time provided by statute, or be forever barred.
CASE NO. 2021CW3067 NOTICE OF FILING OF FINAL DECENNIAL ABANDONMENT LIST for Water Division no. 4: The State Engineer and the Division Engineer for Water Division 4, by and through the Attorney General hereby provide notice of the filing with the Water Clerk of the decennial abandonment list for Water Division 4 under section 37-92-401(4)(c), C.R.S. (2021). Notice is hereby given that, pursuant to section 37-92-401(4) C.R.S. (2021), the Division Engineer, in consultation with the State Engineer, has revised and finalized the decennial abandonment list, which contains those water rights that the Division Engineer has determined to have been abandoned in whole or in part. The decennial abandonment list, when concluded by judgment and decree, shall be conclusive as to the water rights determined to have been abandoned. The initial abandonment list (published in July 2020) and the final revised abandonment list are available online at: https://dwr.colorado.gov/services/water-administration/water-rights. The initial and final revised decennial abandonment lists may also be inspected after December 31, 2021, at the offices of the State Engineer, Division Engineer, and Clerk of the Water Court. Contact the respective offices for information on hours and/or appointments. This decennial abandonment proceeding, including any protest proceedings, are subject to Rule 12 of the Uniform Local Rules for All State Water Court Divisions (Water Court Rules), effective as amended on December 13, 2018 and available on the Water Court's website at: https://www.courts.state.co.us/Courts/Water. Any person who wishes to protest the inclusion of any water right on the final decennial abandonment list shall file a written protest with the Water Clerk and the Division Engineer in accordance with the procedures set forth in section 37-92-401(5), C.R.S (2021) not later than June 30, 2022. The fee for filing such a protest with the Water Clerk is forty-five dollars ($45.00). The protest shall set forth in detail the factual and legal basis therefor. A form for such a protest (JDF 304W) is available on the Water Court website.

Published: Ouray County Plaindealer: January 6, 2022

Legal Notice No. 1278

IN THE DISTRICT COURT IN AND FOR WATER DIVISION NO. 4
STATE OF COLORADO
TO: ALL PERSONS INTERESTED IN WATER APPLICATIONS IN SAID WATER DIVISION NO. 4

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The names, address of applicant, source of water, description of water right or conditional water right involved, and description of the ruling sought are as follows:
The water right claimed by this application may affect in priority any water right claimed or heretofore adjudicated within this division, and owners of affected rights must appear to object and protest within the time provided by statute, or be forever barred.
CASE NO. 2021CW3072 – OURAY COUNTY – APPLICATION FOR ABSOLUTE SURFACE RIGHT – 1. Name, Address, Phone Number, and E-Mail Address of Applicant. Double RL Company c/o Oakley Kelly, Ranch Manager, 5180 Highway 62, Ridgway, Colorado 81432; Phone: (970) 626-5485; E-mail: oakley@rrlranch.com. Copies of all pleadings to: Richard A. Johnson, David F. Bower, Michael S. Davidson, Johnson & Repucci LLP, 850 W. South Boulder Road, Suite 100, Louisville, Colorado 80027. 2. Claim for Absolute Surface Right. (a) Name of Diversion Structure. Cronenberg Ditch (Second Enlargement). (b) Decreed Location (Civil Action No. 939). The headgate of the ditch is located at a point in the center of NE1/4 of Section 28, Township 45 North, Range 9 West of the N.M.P.M., and thence runs in a northeast direction about 400 rods. (c) Decreed Location (Civil Action No. 2440). The headgate of the ditch is located at a point in the center of NE1/4 of Section 28, Township 44 North, Range 9 West of the N.M.P.M. (d) Physical Location. The headgate of the ditch is located in the SE1/4 NW1/4 of Section 28, Township 44 North, Range 9 West of the N.M.P.M., at a point described as Zone 13, NAD83, Easting 248851 m, Northing 4213814 m. The ditch travels in a generally northeastern direction for ~3.48 miles. A map showing the location and path of the Cronenberg Ditch is attached as Exhibit A. (e) Source. Surface, seep, spring, and other tributary inflows that collect in the Cronenberg Ditch, tributary to the West Fork of Dallas Creek, tributary to Dallas Creek, tributary to the Uncompahgre River. (f) Appropriation Date. Date of application. (g) Amount. 1.0 cfs, absolute. (h) Uses. Irrigation of 280 acres and stockwatering. (i) Remarks. The Cronenberg Ditch was originally decreed Priority No. 106 in Civil Action No. 939, Original Adjudication of Water Rights in District No. 68, dated May 15, 1897, for 2.25 cfs, for irrigation of 90 acres. An enlargement was decreed Priority No. 29 in Civil Action No. 2440, Fifth Adjudication of Water Rights in District No. 68, dated April 14, 1961, for 10 cfs, for irrigation of about 280 acres. Historically, the Cronenberg Ditch has also captured various inflows along its path. By this Second Enlargement, Applicant claims the right to beneficially use when in-priority the surface, seep, spring, and other inflows that collect in the Cronenberg Ditch. When this Second Enlargement is out-of-priority or not needed for irrigation purposes, Applicant will return these inflows into an unnamed tributary of West Fort of Dallas Creek, tributary to the West Fork of Dallas Creek, without beneficial use. 3. Name and Address of Landowner Upon which any New or Modified Diversion or Storage Structure is Located, Including Any Modification to the Storage Pool. No new or modified diversion structures are anticipated because of this application. The Cronenberg Ditch headgate and upper ~1.84 miles is on land owned by the United States of America, c/o United States Forest Service, Uncompahgre National Forest, 2250 Highway 50, Delta, Colorado 81416. The remaining ~1.64 miles of the ditch is on land owned by Applicant. WHEREFORE, Applicant respectfully requests that the Water Court enter a decree granting the Cronenberg Ditch (Second Enlargement) water right described above. In the alternative, Applicant requests a conditional water right be decreed to the Cronenberg Ditch (Second Enlargement). OURAY COUNTY
YOU ARE FURTHER NOTIFIED THAT you have until the last day of February, 2022 to file with the Water Clerk a Verified Statement of Opposition setting forth facts as to why a certain application should not be granted or why it should be granted only in part or on certain conditions. A copy of such a Statement of Opposition must also be served upon the applicant or the applicant's attorney and an affidavit of certificate of such service shall be filed with the Water Clerk, as prescribed by C.R.C.P. Rule 5. (Filing fee: $192.00; Forms may be obtained from the Water Clerk's Office or on our website at www.courts.state.co.us). (This publication can be viewed in its entirety on the state court website at: www.courts.state.co.us). FRED CASTLE, Water Clerk, Water Division 4, 1200 N. Grand Ave., Bin A, Montrose, CO 81401

Published: Ouray County Plaindealer: January 6, 2022

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