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## FW: Caribou Hill Waste Rock Prospecting Is It Mining

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**smuller@nedmining.com** <smuller@nedmining.com>  
To: "Lennberg - DNR, Patrick" <patrick.lennberg@state.co.us>

Thu, Sep 29, 2022 at 9:24 AM

Good day Patrick,

Attached is the 'it's not mining form' to conduct prospecting atop Caribou Hill. The amount of material to be removed is only a few kgs for the purpose of analytical testing and microscopy. This prospecting on our patented surface has a two-fold purpose. The first is to ascertain whether the wasterock material has any economic value and the second is to better understand the orogenesis. Both goals are useful for determining the prospectively of the old mine workings that might be evaluated next summer by drilling under the appropriate NOI at that time.

We experience extreme winds atop Caribou Hill starting in mid-November and running until around the first of the year. Then, at that time, the snows typically start and continue periodically until April. That being said, we have a limited window to get on and off the hill this year. So, anything you might be able to do to expedite the approval process would be much appreciated so the program can yield information for us to study this winter.

We did ABA testing on the material and see that the wasterock has a very high Acid Neutralization Potential (ANP) and likewise a very high ratio of ANP to Acid Generative Potential (AGP). In effect, it cannot cause any AMD concerns due to the high calcium/potassium in the rock. These samples were collected as composites from each wasterock pile to ensure representativeness.

Feel free to contact me should you have any questions.

Best,

Sean

**Sean C. Muller, PGeo**

Geology Manager

Grand Island Resources

Caribou-Cross Mines

Nederland, Colorado

(720) 502-0850 (Office Direct)

(208) 582-3218 (Cell/Text)



**Caribou Hill Waste Rock Prospecting Is It Mining v2.pdf**

3465K



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

Date: \_\_\_\_\_

RE:     Need for State Reclamation Permit: “Is It Mining?”

**Name:** \_\_\_\_\_

**Street**

**Address:** \_\_\_\_\_

**Telephone:**

(     ) \_\_\_\_\_

**Mobile:**

(     ) \_\_\_\_\_

**Email**

**Address:** \_\_\_\_\_

Enclosed are pertinent sections of the Colorado Mined Land Reclamation Board (Board) Rules governing activities that do not require a reclamation permit. To determine if you need a permit for you proposed activity, first check Rule 1.2 which describes activities the Board has determined do not require state reclamation permits. If you find a match, you can proceed based on your interpretation of the rule, but at your own risk. If you are uncertain how the Rule may apply to your activity, you should answer the list of questions below with as much detail as possible. Please feel free to use additional paper, maps, and attachments to explain your project.

Please include in your determination request answers to the following questions:

1. Please provide the legal location of the proposed project and submit a site map that clearly delineates the location of the proposed extraction site and the location of the nearest city, town, and county location name.

**Section:**

**Township:**

**Range:**

**PM**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Or NAD 27 X UTM**  
**GPS**

**Y UTM**

\_\_\_\_\_

\_\_\_\_\_

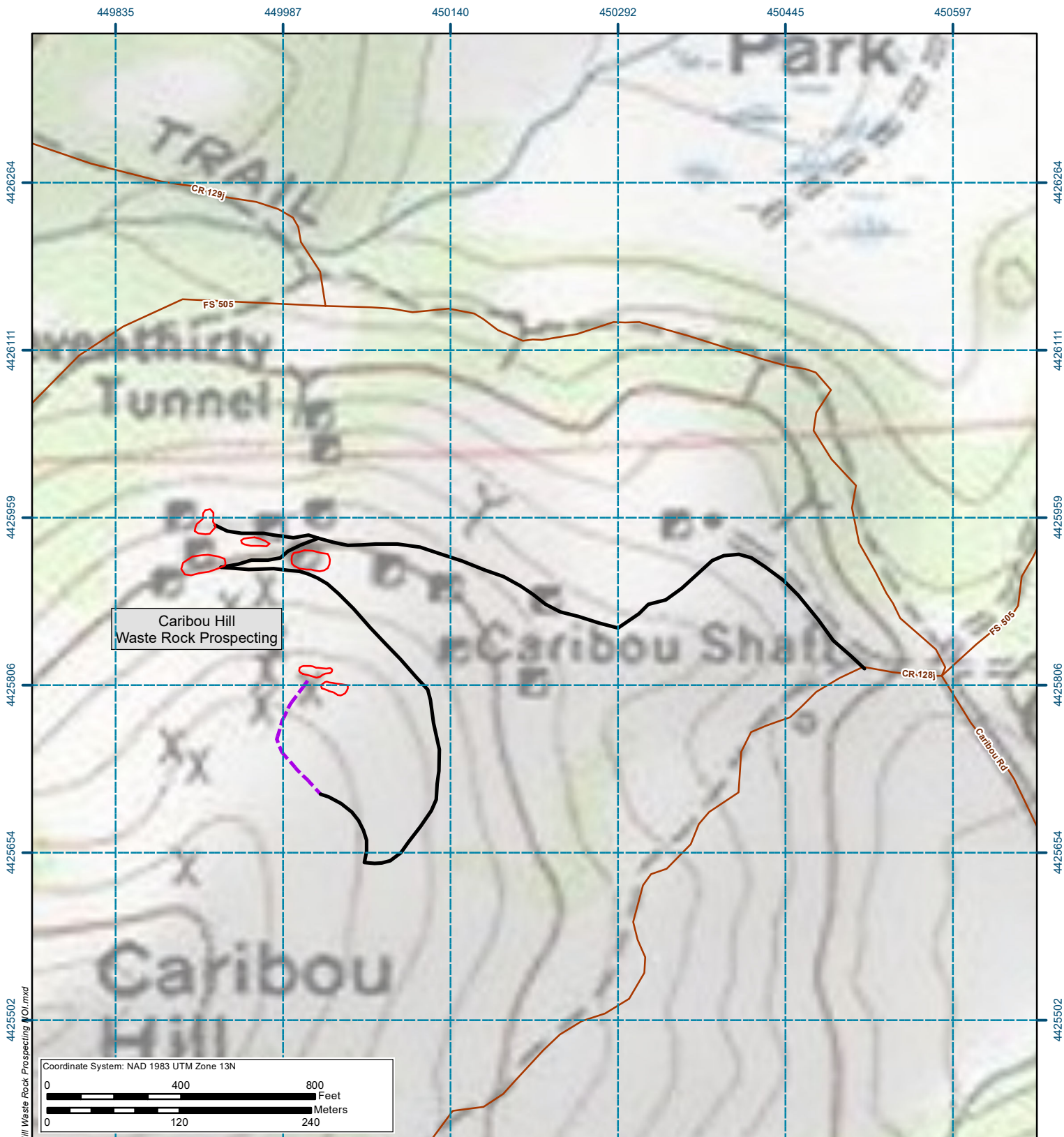
**Direction and Miles to**  
**nearest town/city:**

\_\_\_\_\_

**County:**

\_\_\_\_\_



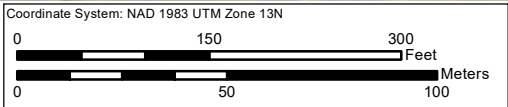
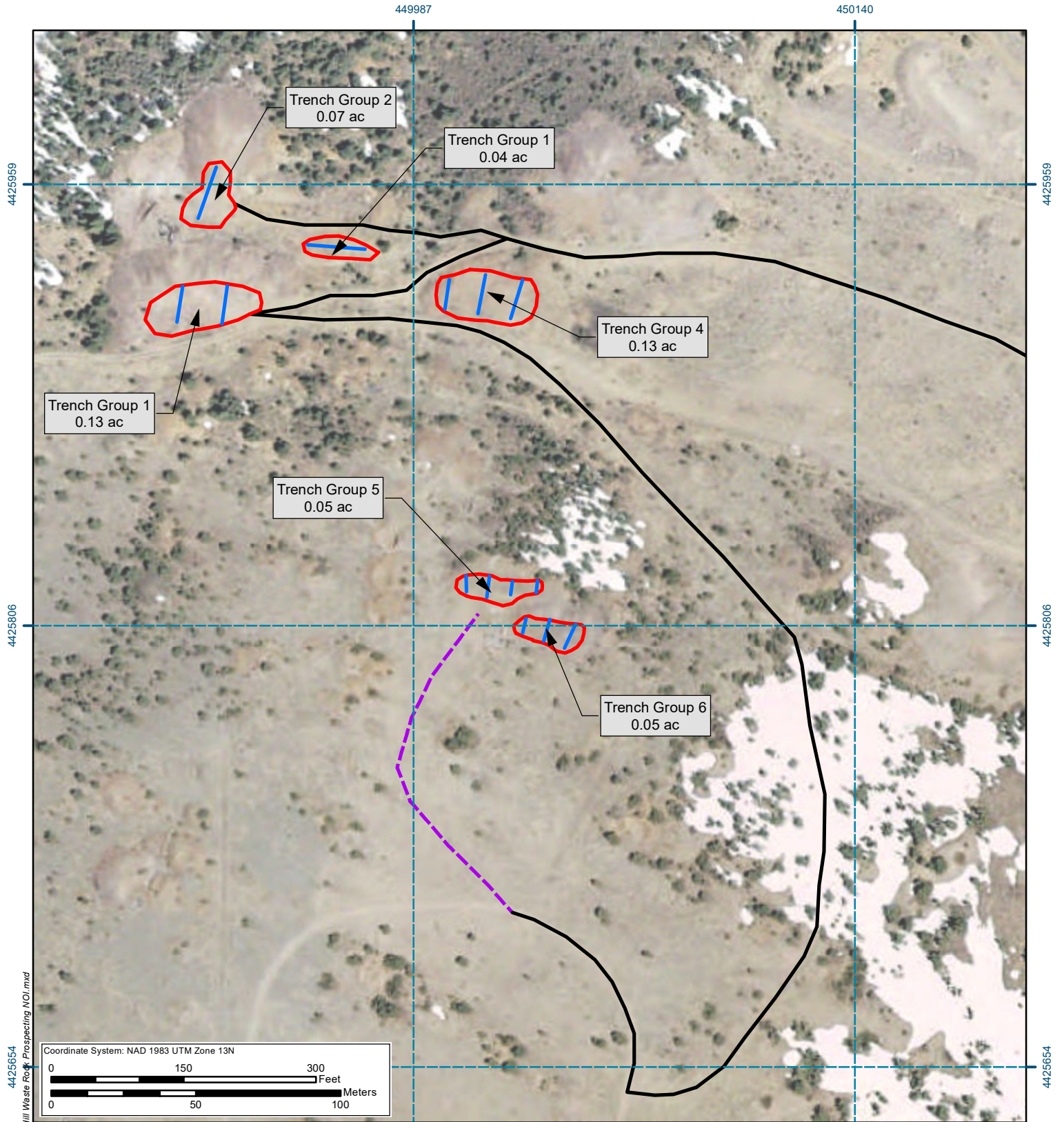


- Waste Rock
- Existing Private 2-Track Road
- Cross-Country Access



Project		DRMS Prospecting Permit Application																					
Title		<h2 style="margin: 0;">Caribou Hill Waste Rock Prospecting</h2>																					
<b>GRAND ISLAND</b> RESOURCES		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="3" style="font-size: small;">Project No. 0801</td> <td colspan="2" style="font-size: small;">File No.</td> </tr> <tr> <td style="font-size: x-small;">GIS:</td> <td style="font-size: x-small;">JST</td> <td style="font-size: x-small;">09/28/22</td> <td style="font-size: x-small;">Scale As Shown</td> <td style="font-size: x-small;">Rev 0</td> </tr> <tr> <td style="font-size: x-small;">Check:</td> <td style="font-size: x-small;">JST</td> <td style="font-size: x-small;">09/28/22</td> <td colspan="2"></td> </tr> <tr> <td style="font-size: x-small;">Review:</td> <td style="font-size: x-small;">DP</td> <td style="font-size: x-small;">09/28/22</td> <td colspan="2"></td> </tr> </table>		Project No. 0801			File No.		GIS:	JST	09/28/22	Scale As Shown	Rev 0	Check:	JST	09/28/22			Review:	DP	09/28/22		
Project No. 0801			File No.																				
GIS:	JST	09/28/22	Scale As Shown	Rev 0																			
Check:	JST	09/28/22																					
Review:	DP	09/28/22																					
		<b>Figure 1</b>																					





- Waste Rock
- Proposed Trench Locations
- Existing Private 2-Track Road
- - - Cross-Country Access



Project		DRMS Prospecting Permit Application																	
Title		<b>Caribou Hill Waste Rock Prospecting</b>																	
<b>GRAND ISLAND</b> RESOURCES		<table border="1" style="width: 100%; border-collapse: collapse;"><tr><td colspan="2" style="font-size: small;">Project No. 0801</td><td colspan="2" style="font-size: small;">File No.</td></tr><tr><td style="font-size: x-small;">GIS:</td><td style="font-size: x-small;">JST</td><td style="font-size: x-small;">09/28/22</td><td style="font-size: x-small;">Scale As Shown</td></tr><tr><td style="font-size: x-small;">Check:</td><td style="font-size: x-small;">JST</td><td style="font-size: x-small;">09/28/22</td><td style="font-size: x-small;">Rev 0</td></tr><tr><td style="font-size: x-small;">Review:</td><td style="font-size: x-small;">DP</td><td style="font-size: x-small;">09/28/22</td><td style="font-size: x-small;"><b>Figure 2</b></td></tr></table>		Project No. 0801		File No.		GIS:	JST	09/28/22	Scale As Shown	Check:	JST	09/28/22	Rev 0	Review:	DP	09/28/22	<b>Figure 2</b>
Project No. 0801		File No.																	
GIS:	JST	09/28/22	Scale As Shown																
Check:	JST	09/28/22	Rev 0																
Review:	DP	09/28/22	<b>Figure 2</b>																

Path: G:\Projects\Nederland\ArcMap\Figure 2 - Caribou Hill Waste Rock Prospecting NOI.mxd

2. Is the site of material extraction on public or privately owned property?

Public                  Private

3. What type(s) of material or metal is/are proposed to be extracted and describe the physical nature of the site i.e., river terrace, rocky knob, in-stream gravel deposit, etc.?

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4. What processing or extraction method(s) will be used on site? Include any equipment or chemical(s) that will be used in the processing and extraction of the materials.

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5. Will the extracted material be hauled offsite or used on the same parcel of property where the material is extracted?

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6. How will the extracted material be used on site?

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7. If the material is hauled offsite, where will it be hauled to and what is the intended use?

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8. What is the approximate areal extent of the proposed extraction in acres?

Approximately 0.1 acres of extraction in a potential disturbed area of less than 0.47 acres, all on waste rock piles.

\_\_\_\_\_

9. To what approximate depth will the extraction extend?

\_\_\_\_\_

10. In cubic yards, approximately how much material will be removed:

Approximately 0.25 to 0.3 cubic yards.

\_\_\_\_\_

11. Will material extraction involve the use of explosives?

Yes \_\_\_\_ No \_\_\_\_

12. Will site of extraction result in the exposure of tributary ground water?

Yes \_\_\_\_ No \_\_\_\_

13. Will either the landowner or the mine site operator receive any type of compensation, i.e., monetary, in-kind, haulage fees, etc., from the proposed material extraction?

Yes \_\_\_\_ No \_\_\_\_

14. Please supply a copy of any documents that will ensure that the area of extraction will be reclaimed to some beneficial land use once extraction activities have been completed.

15. Do you have permits for this activity from any other governmental agencies such as building, construction, or grading permits, and if so, what are they?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

16. Are there state/federal/local agency participants in terms of funding?

	Yes	No
Funding	Yes ____	No ____
Design	____	____

Percentages

State \_\_\_\_\_ Federal \_\_\_\_\_ Local Agency \_\_\_\_\_

17. What post mining land uses will be made of the extraction and why? (This question helps us determine the intent of the activity.)

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18. What types and sizes of equipment will be used in the extraction?

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Please send the completed questionnaire to the Division at the address above for review. The Board has directed the Division to make a decision based on the information you have supplied. We trust that the activities will be performed as represented. If we receive a complaint, we are required by law to conduct an inspection of the site. Which could result in a violation, a cease and desist order, and other corrective actions including submittal of a permit application.

If you have any questions, please contact the Division at (303)866-3567. Please feel free to visit our web site at: <https://colorado.gov/drms> for further access to the full Act and Rules governing extraction of metals, non-metals, and construction materials in the State of Colorado.

Sincerely,

Division of Reclamation, Mining and Safety Staff

Enclosure: Rule 1.2 excerpt for Hard Rock Metal Mines and Construction Materials  
Rule 1.2 excerpt for Hard Rock/Metal Mining



## **1.2 SCOPE OF RULES AND ACTIVITIES THAT DO NOT REQUIRE A RECLAMATION PERMIT**

### **1.2.1 Specified by Rule**

The Board has determined that certain types of activities do not need reclamation permits either because the excavated substance is not a mineral as defined in Section 34-32-103(7), Colorado Revised Statutes 1984, as amended or because the activity is not a mining operation as defined by Section 34-32-103(8), C.R.S. 1984, as amended. Such activities include the following:

- (a) the exploration and extraction of natural petroleum in a liquid or gaseous state by means of wells or pipe;
- (b) the development or extraction of coal (refer to the Colorado Surface Coal Mining Reclamation Act Section 34-33-101, et seq., C.R.S. 1984, as amended);
- (c) smelting, refining, cleaning, preparation, transportation, and other off site operations not conducted on affected land;
- (d) a custom mill.

## 1.2 ACTIVITIES THAT DO NOT REQUIRE A RECLAMATION PERMIT

103(3) and  
(13)

### 1.2.1 Specified by Rule

The Board has determined that certain types of activities do not need reclamation permits either because the excavated substance is not a construction material as defined in Section 34-32.5-103(3), Colorado Revised Statutes 1984, as amended or because the activity is not a mining operation as defined by Section 34-32.5-103(13), C.R.S. 1984, as amended. Such activities include the following:

- (a) the exploration and extraction of natural petroleum in a liquid or gaseous state by means of wells or pipe:
- (b) the development or extraction of coal (refer to the Colorado Surface Coal Mining Reclamation Act Section 34-33-101, et seq., C.R.S. 1984, as amended);
- (c) cleaning, preparation, transportation, and other off-site operations not conducted on permitted land: and
- (d) the extraction of geothermal or groundwater resources.

### 1.2.2 Reserved

### 1.2.3 Reserved

### 1.2.4 Extraction or Exploration on Federal Lands

Any person who intends to extract or explore for construction materials on federal lands shall apply for a Mined Land Reclamation Board permit or submit a Notice of Intent to conduct exploration operations unless specifically exempted by the Board according to the provisions of this Subsection 1.2.



## South Area ABA Testing

Date: 8/17/2022

**CLIENT:** Grand Island Resources  
**Project:** Waste Rock Characterization  
**Lab Order:** S2207411

**CASE NARRATIVE**  
**Report ID:** S2207411001

**Entire Report Reviewed by:**

*Crystal Herman*

Crystal Herman, Mining Supervisor

Sample 607747 was received on July 26, 2022.

Samples were analyzed using the methods outlined in the following references:

U.S.E.P.A. 600/2-78-054 "Field and Laboratory Methods Applicable to Overburden and Mining Soils", 1978  
American Society of Agronomy, Number 9, Part 2, 1982  
USDA Handbook 60 "Diagnosis and Improvement of Saline and Alkali Soils", 1969  
Wyoming Department of Environmental Quality, Land Quality Division, Guideline No. 1, 1984  
New Mexico Overburden and Soils Inventory and Handling Guideline, March 1987  
State of Utah, Division of Oil, Gas, and Mining: Guidelines for Management of Topsoil and Overburden for Underground and Surface Coal Mining, April 1988  
Montana Department of State Lands, Reclamation Division: Soil, Overburden, and Regraded Spoil Guidelines, December 1994  
State of Nevada Modified Sobek Procedure  
Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All Quality Control parameters met the acceptance criteria defined by EPA and Pace Analytical (Formerly Inter-Mountain Laboratories) except as indicated in this case narrative.



**Date:** 8/17/2022

## Definitions

RL Reporting Limit

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## Qualifiers

*	Value exceeds Maximum Contaminant Level
A	Check MSA specifications
B	Analyte detected in the associated Method Blank
C	Calculated Value
D	Report limit raised due to dilution
E	Value above quantitation range
G	Analyzed at Pace Gillette, WY laboratory
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
L	Analyzed by another laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL
ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions
R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits
U	Analyte below method detection limit
X	Matrix Effect

**Sample Analysis Report**

**CLIENT:** Grand Island Resources  
PO Box 3395  
Nederland, CO 80466

**Date Reported:** 8/17/2022  
**Report ID:** S2207411001

**Project:** Waste Rock Characterization  
**Lab ID:** S2207411-001  
**Client Sample ID:** 607747

**Work Order:** S2207411  
**Collection Date:** 7/20/2022 10:00:00 AM  
**Date Received:** 7/26/2022  
**Sampler:**  
**Matrix:** Solid  
**COC:** Web

Analyses	Result	RL	Qual	Units	Date Analyzed/Init	Method
<b>General Parameters-Soil</b>						
pH	7.9	0.1		s.u.	08/09/2022 08:45 NLG	USDA 60-21a
<b>Acid Base Accounting</b>						
Total Sulfur	0.11	0.01		%	08/01/2022 16:30 NLG	EPA600/2-78-054
Neutralization Potential	113			t/1000t	08/03/2022 14:23 RAC	EPA600/2-78-054
Hot Water Sulfur - LECO	0.09	0.01		%	08/17/2022 10:37 NLG	EPA600/2-78-054
Hot Water Extract Sulfur (H2O Sol. SO4)	0.02	0.01		%	08/17/2022 15:06 CH	EPA600/2-78-054
HCL Sulfur - LECO	0.05	0.01		%	08/17/2022 10:37 NLG	EPA600/2-78-054
HCL Extract Sulfur (Sulfate Sulfur)	0.04	0.01		%	08/17/2022 15:06 CH	EPA600/2-78-054
HNO3 Sulfur - LECO	0.05	0.01		%	08/17/2022 10:37 NLG	EPA600/2-78-054
HNO3 Sulfur (Non-Ext. Sulfur)	0.05	0.01		%	08/17/2022 15:06 CH	EPA600/2-78-054
HNO3 Extract Sulfur (Pyritic Sulfur)	<	0.01		%	08/17/2022 15:06 CH	EPA600/2-78-054
Potential Acid Generating Sulfur	0.02	0.01		%	08/17/2022 15:06 CH	EPA600/2-78-054
Calculated AGP	0.62	0.31		t/1000t	08/17/2022 15:06 CH	EPA600/2-78-054
Acid Neutralizing Potential	113			t/1000t	08/03/2022 14:23 RAC	EPA600/2-78-054
Net Neutralizing Potential	112			t/1000t	08/17/2022 15:06 CH	EPA600/2-78-054
ANP/AGP Ratio	182				08/17/2022 15:06 CH	EPA600/2-78-054

**ANALYTICAL QC SUMMARY REPORT**

**CLIENT:** Grand Island Resources  
**Work Order:** S2207411  
**Project:** Waste Rock Characterization

**Date:** 8/17/2022  
**Report ID:** S2207411001

**BLM Sulfur Forms**Sample Type **LCS**

Units: %

LCS (08/17/22 11:41)		RunNo: 202963						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual	
Hot Water Sulfur - LECO	0.26	0.01	0.33		79.7	43.4 - 102		
HCL Sulfur - LECO	0.19	0.01	0.23		82.7	37.1 - 108		
HNO3 Sulfur - LECO	0.03	0.01	0.03		93.9			

**pH-Soil**Sample Type **LCS**

Units: s.u.

CONTROL (08/09/22 08:50)		RunNo: 202700						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual	
pH	7.1	0.1	7.1		100	96 - 104		

**Sulfur Forms**Sample Type **LCS**

Units: %

LCS (08/01/22 16:53)		RunNo: 202468					
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
Total Sulfur	0.68	0.01	0.67		101	72 - 121	





# Pace Analytical

Sheridan, WY and Gillette, WY

## - CHAIN OF CUSTODY RECORD -

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All shaded fields must be completed.

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#WEB

Client Name <b>Grand Island Resources</b>				Project Identification Waste Rock Characterization				Sampler (Signature/Attestation of Authenticity)				Telephone #							
Report Address PO Box 3395 Nederland Co 80466				Contact Name <b>Seab Muller</b>				ANALYSES / PARAMETERS								REMARKS			
Invoice Address Same as above				Email <b>smuller@nedmining.com</b>															
				Phone <b>208-582-3218</b>															
				Purchase Order #				Quote #											
ITEM	LAB ID (Lab Use Only)	DATE SAMPLED	TIME	SAMPLE IDENTIFICATION		Matrix	# of Containers	ABA Nevada Sobek											
1	S22074 11	07/20/22	10:00	607747		SD	1												
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
LAB COMMENTS		Relinquished By (Signature/Printed)				DATE	TIME	Received By (Signature/Printed)				DATE	TIME						
		David Young				#####	16:00	Crystal Hemmick				7/26/22	1050						
SHIPPING INFO		MATRIX CODES		TURN AROUND TIMES		COMPLIANCE INFORMATION				ADDITIONAL REMARKS									
<input type="checkbox"/> UPS		Water WT		Check desired service		Compliance Monitoring ? N													
<input checked="" type="checkbox"/> FedEx		Soil SL		<input type="checkbox"/> Standard turnaround		Program (SDWA, NPDES,...)													
<input type="checkbox"/> USPS		Solid SD		<input checked="" type="checkbox"/> RUSH - 5 Working Days		PWSID / Permit #													
<input type="checkbox"/> Hand Carried		Filter FT		<input type="checkbox"/> URGENT - < 2 Working Days		Chlorinated? N													
<input type="checkbox"/> Other Pace Analytical		Other OT		Rush & Urgent Surcharges will be applied		Sample Disposal: Lab x Client				Rev 4.7 Web									



## North Area ABA Testing

Date: 8/17/2022

**CLIENT:** Grand Island Resources  
**Project:** Waste Rock Characterization  
**Lab Order:** S2207412

**CASE NARRATIVE**  
**Report ID:** S2207412001

**Entire Report Reviewed by:** *Crystal Herman*  
Crystal Herman, Mining Supervisor

Sample 607748 was received on July 26, 2022.

Samples were analyzed using the methods outlined in the following references:

U.S.E.P.A. 600/2-78-054 "Field and Laboratory Methods Applicable to Overburden and Mining Soils", 1978  
American Society of Agronomy, Number 9, Part 2, 1982  
USDA Handbook 60 "Diagnosis and Improvement of Saline and Alkali Soils", 1969  
Wyoming Department of Environmental Quality, Land Quality Division, Guideline No. 1, 1984  
New Mexico Overburden and Soils Inventory and Handling Guideline, March 1987  
State of Utah, Division of Oil, Gas, and Mining: Guidelines for Management of Topsoil and Overburden for Underground and Surface Coal Mining, April 1988  
Montana Department of State Lands, Reclamation Division: Soil, Overburden, and Regraded Spoil Guidelines, December 1994  
State of Nevada Modified Sobek Procedure  
Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All Quality Control parameters met the acceptance criteria defined by EPA and Pace Analytical (Formerly Inter-Mountain Laboratories) except as indicated in this case narrative.



**Date:** 8/17/2022

## Definitions

RL Reporting Limit

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## Qualifiers

*	Value exceeds Maximum Contaminant Level
A	Check MSA specifications
B	Analyte detected in the associated Method Blank
C	Calculated Value
D	Report limit raised due to dilution
E	Value above quantitation range
G	Analyzed at Pace Gillette, WY laboratory
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
L	Analyzed by another laboratory
M	Value exceeds Monthly Ave or MCL or is less than LCL
ND	Not Detected at the Reporting Limit
O	Outside the Range of Dilutions
R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits
U	Analyte below method detection limit
X	Matrix Effect

**Sample Analysis Report**

**CLIENT:** Grand Island Resources  
PO Box 3395  
Nederland, CO 80466

**Date Reported:** 8/17/2022  
**Report ID:** S2207412001

**Project:** Waste Rock Characterization  
**Lab ID:** S2207412-001  
**Client Sample ID:** 607748

**Work Order:** S2207412  
**Collection Date:** 7/20/2022 12:00:00 PM  
**Date Received:** 7/26/2022  
**Sampler:**  
**Matrix:** Solid  
**COC:** web

Analyses	Result	RL	Qual	Units	Date Analyzed/Init	Method
<b>General Parameters-Soil</b>						
pH	7.9	0.1		s.u.	08/09/2022 08:46 NLG	USDA 60-21a
<b>Acid Base Accounting</b>						
Total Sulfur	0.20	0.01		%	08/01/2022 16:35 NLG	EPA600/2-78-054
Neutralization Potential	30.8			t/1000t	08/03/2022 14:31 RAC	EPA600/2-78-054
Hot Water Sulfur - LECO	0.23	0.01		%	08/17/2022 12:29 NLG	EPA600/2-78-054
Hot Water Extract Sulfur (H2O Sol. SO4)	<	0.01		%	08/17/2022 15:10 CH	EPA600/2-78-054
HCL Sulfur - LECO	0.13	0.01		%	08/17/2022 12:29 NLG	EPA600/2-78-054
HCL Extract Sulfur (Sulfate Sulfur)	0.07	0.01		%	08/17/2022 15:10 CH	EPA600/2-78-054
HNO3 Sulfur - LECO	0.08	0.01		%	08/17/2022 12:29 NLG	EPA600/2-78-054
HNO3 Sulfur (Non-Ext. Sulfur)	0.08	0.01		%	08/17/2022 15:10 CH	EPA600/2-78-054
HNO3 Extract Sulfur (Pyritic Sulfur)	0.05	0.01		%	08/17/2022 15:10 CH	EPA600/2-78-054
Potential Acid Generating Sulfur	0.05	0.01		%	08/17/2022 15:10 CH	EPA600/2-78-054
Calculated AGP	1.57	0.31		t/1000t	08/17/2022 15:10 CH	EPA600/2-78-054
Acid Neutralizing Potential	30.8			t/1000t	08/03/2022 14:31 RAC	EPA600/2-78-054
Net Neutralizing Potential	29.3			t/1000t	08/17/2022 15:10 CH	EPA600/2-78-054
ANP/AGP Ratio	19.7				08/17/2022 15:10 CH	EPA600/2-78-054

**ANALYTICAL QC SUMMARY REPORT****CLIENT:** Grand Island Resources**Date:** 8/17/2022**Work Order:** S2207412**Report ID:** S2207412001**Project:** Waste Rock Characterization**BLM Sulfur Forms**Sample Type **LCS**

Units: %

LCS (08/17/22 11:41)		RunNo: 202963						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual	
Hot Water Sulfur - LECO	0.26	0.01	0.33		79.7	43.4 - 102		
HCL Sulfur - LECO	0.19	0.01	0.23		82.7	37.1 - 108		
HNO3 Sulfur - LECO	0.03	0.01	0.03		93.9			

**pH-Soil**Sample Type **LCS**

Units: s.u.

CONTROL (08/09/22 08:50)		RunNo: 202700					
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual
pH	7.1	0.1	7.1		100	96 - 104	

**Sulfur Forms**Sample Type **LCS**

Units: %

LCS (08/01/22 16:53)		RunNo: 202468						
Analyte	Result	RL	Spike	Ref Samp	%REC	% Rec Limits	Qual	
Total Sulfur	0.68	0.01	0.67		101	72 - 121		



**- CHAIN OF CUSTODY RECORD -**

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This is a legal document; any misrepresentation may be construed as fraud.

## #WEB

Client Name <b>Grand Island Resources</b>				Project Identification Waste Rock Characterization				Sampler (Signature/Attestation of Authenticity)				Telephone #																																																																																																																																																																																																																																																																		
Report Address <b>PO Box 3395 Nederland Co 80466</b>				Contact Name <b>Seab Muller</b>				<b>ANALYSES / PARAMETERS</b>																																																																																																																																																																																																																																																																						
Invoice Address <b>Same as above</b>				Email <b>smuller@nedmining.com</b>																																																																																																																																																																																																																																																																										
				Phone <b>208-582-3218</b>																																																																																																																																																																																																																																																																										
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<input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Hand Carried <input type="checkbox"/> Other Pace Analytical				Water WT Soil SL Solid SD Filter FT Other OT				<b>Check desired service</b> <input type="checkbox"/> Standard turnaround <input checked="" type="checkbox"/> <b>RUSH - 5 Working Days</b> <input type="checkbox"/> <b>URGENT - &lt; 2 Working Days</b> <small>Rush &amp; Urgent Surcharges will be applied</small>				Compliance Monitoring ? <input type="checkbox"/> N Program (SDWA, NPDES,...) PWSID / Permit # Chlorinated? <input type="checkbox"/> N Sample Disposal: Lab x Client				Rev 4.7 Web																																																																																																																																																																																																																																																														





# Property Report for Account R0028067

**Today's Date: 9/26/2022**

No picture available

Property Address:	0 COUNTY RD 128J
City:	UNINCORPORATED
Owner:	GRAND ISLAND RESOURCES LLC
Parcel Number:	158300200007
Mailing Address:	PO BOX 3395
City, State, Zip:	NEDERLAND CO, 80466
Sec-Town-Range:	05 -1S -73
Subdivision:	MINING CLAIMS
Jurisdiction:	Unincorporated Boulder County
Legal Description:	ALL MINE LDS 37 42 47 54 55 56 61 71 76 77 91 92 93 104 105 115 167 168 169 192 297 654 659 660 & 20483 GRAND ISLAND TOTAL 78 AC M/L IDS 28067 28070-71 28073-5 28078-98 COMBINED HERE
Square Feet:	3,146,332
Acres:	72.23

## Deeds

Deed#	Sale Date	Recorded	Sale Price
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## Tax Account

### Summary

Account Id R0028067  
 Parcel Number 158300200007  
 Owners GRAND ISLAND RESOURCES LLC  
 Address PO BOX 3395  
 NEDERLAND, CO 80466  
 Situs Address 0 COUNTY RD 128J UNINCORPORATED 80466  
 Legal ALL MINE LDS 37 42 47 54 55 56 61 71 76 77 91 92  
 93 104 105 115 167 168 169 192 297 654 659 660 &  
 20483 GRAND ISLAND TOTAL 78 AC M/L IDS 28067  
 28070-71 28073-5 28078-98 COMBINED HERE

### Inquiry

As Of

Payment Type ☐ First  
☒ Full

Total Due \$0.00

### Value

<b>Area Id</b>	<b>Mill Levy</b>
000166 - 000166	94.8030000
	<b>Actual Assessed</b>
5140 - non-producing patented mining claims - 5140	40,100 11,629
<b>Taxes</b>	\$1,102.46

The amounts of taxes due on this page are based on **last year's** property value assessments.  
 For current year values visit the [Boulder County Assessor's site](#).

#### PAYMENT DUE DATES:

First Half Payment - February 28  
 Second Half Payment - June 15  
 Full Payment - May 2

**Mailing address:** PO Box 471, Boulder, CO 80306

**Physical / Overnight Mailing Address:** 1325 Pearl Street, Boulder, CO 80302



## Property Report for Account R0028768

**Today's Date: 9/26/2022**

No picture available

Property Address:	0 COUNTY RD 128-J
City:	UNINCORPORATED
Owner:	GRAND ISLAND RESOURCES LLC
Parcel Number:	158308200004
Mailing Address:	PO BOX 3395
City, State, Zip:	NEDERLAND CO, 80466
Sec-Town-Range:	08 -1S -73
Subdivision:	MINING CLAIMS
Jurisdiction:	Unincorporated Boulder County
Legal Description:	W 900 FT ARIZONA LD 54 1.61 AC TEN FORTY LD 287 .72 AC MAINE LD 102 .97 AC AIRSHAFT LD 116 1.03 AC GRAND ISLAND TOTAL 4.33 AC M/L IDS 28778 28782 28783 COMBINED HERE
Square Feet:	157,683
Acres:	3.62

### Deeds

Deed#	Sale Date	Recorded	Sale Price
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## Tax Account

### Summary

Account Id R0028768  
Parcel Number 158308200004  
Owners GRAND ISLAND RESOURCES LLC  
Address PO BOX 3395  
NEDERLAND, CO 80466  
Situs Address 0 COUNTY RD 128-J UNINCORPORATED 80466  
Legal W 900 FT ARIZONA LD 54 1.61 AC TEN FORTY LD 287  
.72 AC MAINE LD 102 .97 AC AIRSHAFT LD 116 1.03  
AC GRAND ISLAND TOTAL 4.33 AC M/L IDS 28778  
28782 28783 COMBINED HERE

### Inquiry

As Of

Payment Type ☐ First  
☒ Full

Total Due \$0.00

### Value

Area Id	Mill Levy
000166 - 000166	94.8030000
Actual	Assessed
5140 - non-producing patented mining claims - 5140	2,000 580
Taxes	\$54.98

The amounts of taxes due on this page are based on **last year's** property value assessments.  
For current year values visit the [Boulder County Assessor's site](#).

#### PAYMENT DUE DATES:

First Half Payment - February 28  
Second Half Payment - June 15  
Full Payment - May 2

**Mailing address:** PO Box 471, Boulder, CO 80306

**Physical / Overnight Mailing Address:** 1325 Pearl Street, Boulder, CO 80302

## Images of Caribou Hill Waste Rock Piles.



Image 1. Trench Group 4 Waste Rock Pile, looking north-east. An access road to the waste rock piles is seen on the right.





Image 2. Trench Group 1 Waste Rock Pile, looking west.