

## Report Transmission Cover Page

Bill To: J. Gibson & Associates	Project:	Lot ID: <b>1162112</b>
Report To: J. Gibson & Associates	ID: Rock Haven Resources	Control Number: C0059180
Box 20913	Name: Klaza	Date Received: Sep 21, 2016
Whitehorse, YT, Canada	Location: Stream Seds	Date Reported: Sep 27, 2016
Y1A 6P2	LSD:	Report Number: 2134025
Attn: John Gibson	P.O.:	
Sampled By: J.Gibson	Acct code:	
Company:		

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Contact & Affiliation	Address	Delivery Commitments
John Gibson J. Gibson & Associates	Box 20913, Whitehorse, Yukon Territory Y1A 6P2 Phone: (867) 633-4522 Fax: (867) 668-6895 Email: ludditegibson@gmail.com	On [Lot Verification] send (COA) by Email - Single Report On [Report Approval] send (COC, Test Report) by Email - Merge Reports On [Report Approval] send (Test Report) by Email - Single Report On [Lot Approval and Final Test Report Approval] send (Invoice) by Email - Single Report On [Lot Creation] send (COR) by Email - Single Report

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### Notes To Clients:

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## Analytical Report

Bill To: J. Gibson & Associates  
 Report To: J. Gibson & Associates  
 Box 20913  
 Whitehorse, YT, Canada  
 Y1A 6P2  
 Attn: John Gibson  
 Sampled By: J.Gibson  
 Company:

Project:  
 ID: Rock Haven Resources  
 Klaza  
 Name: Stream Seds  
 Location:  
 LSD:  
 P.O.:  
 Acct code:

Lot ID: **1162112**  
 Control Number: C0059180  
 Date Received: Sep 21, 2016  
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	Reference Number	1162112-1	1162112-2	1162112-3		
	Sample Date	Sep 19, 2016	Sep 19, 2016	Sep 19, 2016		
	Sample Time	16:55	16:55	16:55		
	Sample Location					
	Sample Description	KZ-1 / Rep #1	KZ-1 / Rep #2	KZ-1 / Rep #3		
	Matrix	Soil	Soil	Soil		
Analyte	Units	Results	Results	Results	Nominal Detection Limit	
<b>Particle Size Analysis - Wet Sieve</b>						
Texture		Coarse-Grained	Coarse-Grained	Coarse-Grained		
75 micron sieve	% Retained	% by weight	67.0	58.5	62.4	0.1
<b>Metals</b>						
Aluminum	ug/g	13000	10400	9860	1	
Antimony	ug/g	3.2	2.5	2.1	0.5	
Arsenic	ug/g	7.00	7.76	6.34	0.2	
Barium	ug/g	105	96.1	91.2	0.03	
Beryllium	ug/g	0.405	0.356	0.319	0.02	
Bismuth	ug/g	<0.5	<0.5	<0.5	0.5	
Cadmium	ug/g	0.4	0.4	0.3	0.05	
Calcium	ug/g	3270	2830	3080	2	
Chromium	ug/g	20.0	16.3	16.5	0.04	
Cobalt	ug/g	7.27	7.14	6.31	0.05	
Copper	ug/g	9.19	11.8	8.64	0.05	
Iron	ug/g	39600	31300	26800	1	
Lead	ug/g	9.56	9.13	7.80	0.3	
Lithium	ug/g	9.73	8.17	7.70	0.1	
Magnesium	ug/g	4170	3890	3500	1	
Manganese	ug/g	402	418	346	0.3	
Molybdenum	ug/g	0.2	0.3	0.2	0.05	
Nickel	ug/g	8.7	7.7	7.6	0.1	
Phosphorus	ug/g	793	631	698	0.5	
Potassium	ug/g	534	500	480	5	
Selenium	ug/g	<0.2	<0.2	<0.2	0.3	
Silver	ug/g	<0.1	<0.1	<0.1	0.2	
Sodium	ug/g	138	135	149	1	
Strontium	ug/g	23.9	22.0	22.1	0.02	
Sulfur	ug/g	121	106	99.0	1	
Thallium	ug/g	<0.2	<0.2	<0.2	0.3	
Tin	ug/g	0.2	<0.2	<0.2	0.2	
Titanium	ug/g	390	331	354	0.05	
Vanadium	ug/g	56.7	50.4	49.1	0.2	
Zinc	ug/g	50.6	46.5	43.7	0.1	
Zirconium	ug/g	1.2	0.98	1.0	0.05	

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Project:  
 ID: Rock Haven Resources  
 Klaza  
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Lot ID: **1162112**  
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Reference Number	1162112-4	1162112-5	1162112-6
Sample Date	Sep 19, 2016	Sep 19, 2016	Sep 19, 2016
Sample Time	10:55	10:55	10:55
Sample Location			
Sample Description	KZ-9 / Rep #1	KZ-9 / Rep #2	KZ-9 / Rep #3
Matrix	Soil	Soil	Soil

Analyte	Units	Results	Results	Results	Nominal Detection Limit	
<b>Particle Size Analysis - Wet Sieve</b>						
Texture		Coarse-Grained	Coarse-Grained	Coarse-Grained		
75 micron sieve	% Retained	% by weight	53.6	53.4	57.4	0.1
<b>Metals</b>						
Aluminum	ug/g	9460	9100	8580	1	
Antimony	ug/g	2.1	1.8	2.0	0.5	
Arsenic	ug/g	11.8	11.9	9.77	0.2	
Barium	ug/g	157	157	141	0.03	
Beryllium	ug/g	0.274	0.262	0.239	0.02	
Bismuth	ug/g	<0.5	<0.5	<0.5	0.5	
Cadmium	ug/g	0.69	0.70	0.55	0.05	
Calcium	ug/g	3760	3490	3380	2	
Chromium	ug/g	14.4	14.0	13.4	0.04	
Cobalt	ug/g	5.57	5.52	5.15	0.05	
Copper	ug/g	10.3	10.3	8.47	0.05	
Iron	ug/g	17300	17300	15700	1	
Lead	ug/g	15.8	16.2	13.8	0.3	
Lithium	ug/g	7.55	7.47	7.03	0.1	
Magnesium	ug/g	3070	3030	2900	1	
Manganese	ug/g	293	291	251	0.3	
Molybdenum	ug/g	0.5	0.5	0.3	0.05	
Nickel	ug/g	6.6	6.3	6.3	0.1	
Phosphorus	ug/g	667	618	639	0.5	
Potassium	ug/g	629	614	577	5	
Selenium	ug/g	<0.2	<0.2	<0.2	0.3	
Silver	ug/g	0.76	<0.1	<0.1	0.2	
Sodium	ug/g	203	189	180	1	
Strontium	ug/g	27.4	26.0	23.9	0.02	
Sulfur	ug/g	169	158	124	1	
Thallium	ug/g	<0.2	<0.2	<0.2	0.3	
Tin	ug/g	<0.2	<0.2	<0.2	0.2	
Titanium	ug/g	506	491	480	0.05	
Vanadium	ug/g	37.4	36.6	34.7	0.2	
Zinc	ug/g	59.4	60.5	53.2	0.1	
Zirconium	ug/g	1.5	1.3	1.3	0.05	

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Approved by:   
Mathieu Simoneau  
Operations Manager

Data have been validated by Analytical Quality Control and Exova's Integrated Data Validation System (IDVS).

Generation and distribution of the report, and approval by the digitized signature above, are performed through a secure and controlled automatic process.

## Methodology and Notes

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## Method of Analysis

Method Name	Reference	Method	Date Analysis Started	Location
Metals in solids (Surrey)	US EPA	* Metals & Trace Elements by ICP-AES, 6010C	23-Sep-16	Exova Surrey
Particle Size by Wet Sieve	Carter	* Procedure for Particle Size Separation, 55.2.3	26-Sep-16	Exova Edmonton

*\* Reference Method Modified*

## References

ASTM	Annual Book of ASTM Standards
Carter	Soil Sampling and Methods of Analysis.
US EPA	US Environmental Protection Agency Test Methods

## Comments:

Please direct any inquiries regarding this report to our Client Services group.

Results relate only to samples as submitted.

The test report shall not be reproduced except in full, without the written approval of the laboratory.

Project Information

Project ID: ROCK HAVEN RESOURCES  
Project Name: KLAZA  
Project Location: STREAM SEDS  
Legal Location:  
PO/APE#:  
Proj. Acct. Code:  
Quote #

Invoice to:  
Company: J. Gibson & Associates  
Address: Box 20913  
Whitehorse, YT Y1A 6P2  
Attention: John Gibson  
Phone: (867) 633-4522  
Cell:  
Fax: (867) 668-6895  
E-mail:  
Agreement ID: 6646  
Copy of report: X

Report To:  
Company: J. Gibson & Associates  
Address: Box 20913  
Whitehorse, YT Y1A 6P2  
Attention: John Gibson  
Phone: (867) 633-4522  
Cell:  
Fax: (867) 668-6895  
E-mail 1:  
E-mail 2:  
Copy of invoice:

Report Results and Regulatory Requirement table with columns for E-Mail, Mail, Online, Fax, PDF, Excel, QAVQC and Regulatory Requirement (HCDWQG, Ab Tier 1, SPIGEC, BCCSR, Other).

RUSH Priority  
Emergency (contact lab for turnaround and pricing)  
Priority 1-2 working days (100% surcharge)  
Urgent 2-3 working days (50% surcharge)  
When "ASAP" is requested, turn around will default to a 100% RUSH priority, with pricing and turn around time to match.

Number of Containers table with handwritten entries: METALS, PARTICLESIZE, (WEST SIGMET)

Sample Custody (please print)  
Sampled by: J Gibson  
Company:  
This section for Lab use only  
Date/Time stamp: RECEIVED SEP 12 2016

Date Required: \_\_\_\_\_ Signature: \_\_\_\_\_  
Special Instructions/Comments (please include contact information including ph. # if different from above).  
STREAM SEDIMENTS.

Main data table with columns: Site I.D., Sample Description, Depth start/end, Date/Time Sampled, Matrix, Sampling Method. Includes handwritten entries for KZ-1 and KZ-9.

Enter tests above table with columns for various test parameters and checkmarks.

Indicate in the space allotted any deficiencies by the corresponding number. 1. Indicate any samples that were not packaged well... 8. Indicate any samples received in an inappropriate container

Submission of this form acknowledges acceptance of Exova's Standard Terms and Conditions (http://www.exova.com/about/terms-and-conditions/)  
Please indicate any potentially hazardous samples  
Page 1 of 1 Control # C 0059180

Lot: 1162112 COC  
Barcode

Shipping: COD Y/ N  
# and size of coolers  
Temp. received: 5.6°C  
Delivery Method: Courier  
Waybill:  
Received by: GR