

# GEOLOGICAL & GEOCHEMICAL REPORT

## MAPPING AND SOIL SURVEYS On the

### VENUS PROPERTY

**Venus 1-48: YC60068-YC60071, YD132857-YD132900**

Registered Owner: Shawn Ryan - 100%

NTS #: 115 G/16

LONG: 138°22'48.639"W LAT: 61°50'39.294"N

### WHITEHORSE MINING DISTRICT

Work Performed: July 1<sup>st</sup> to July 2<sup>nd</sup>

Date of Report: June 2012

AUTHOR OF REPORT: CARRIE WONG, GIT



1 Adelaide Street East  
Suite 2100  
Toronto, Ontario, M5C 2V9

**Table of Contents**

INTRODUCTION.....	2
HISTORY .....	4
GEOLOGY.....	6
LITHOLOGY.....	6
GEOCHEMISTRY .....	9
ROCK .....	9
SOIL .....	9
CONCLUSIONS.....	12
RECOMMENDATIONS .....	12
STATEMENT OF QUALIFICATION.....	12
SUMMARY OF EXPENDITURES .....	13
MAPPING AND ROCK SAMPLING .....	13
SOIL PROGRAM .....	15
.....	18
REFERENCES.....	19
APPENDIX A.....	20
APPENDIX B .....	24
APPENDIX C .....	24

## INTRODUCTION

The Venus property is situated in the Whitehorse Mining District, approximately 85km North of Silver City, Yukon (Figure 1). Access to the property is by helicopter only from Burwash Landing, Destruction Bay or Silver City. The Venus property is comprised of a total of 48 contiguous claims; further claim details are outlined in Appendix A (Figure 2).

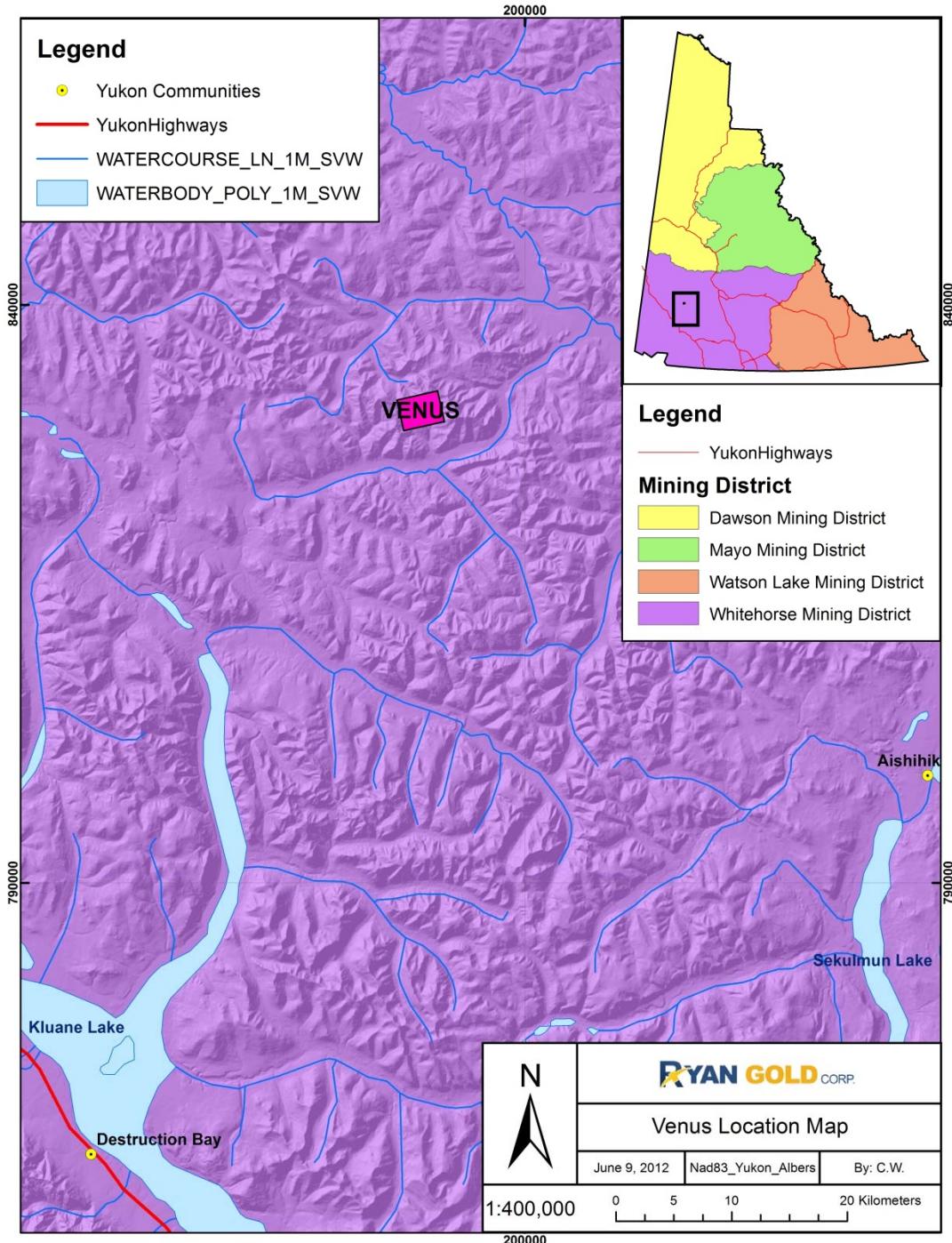


Figure 1: Venus location map with inset map showing relative location of properties within the Yukon. The Yukon Mining Districts are also shown in the inset map.

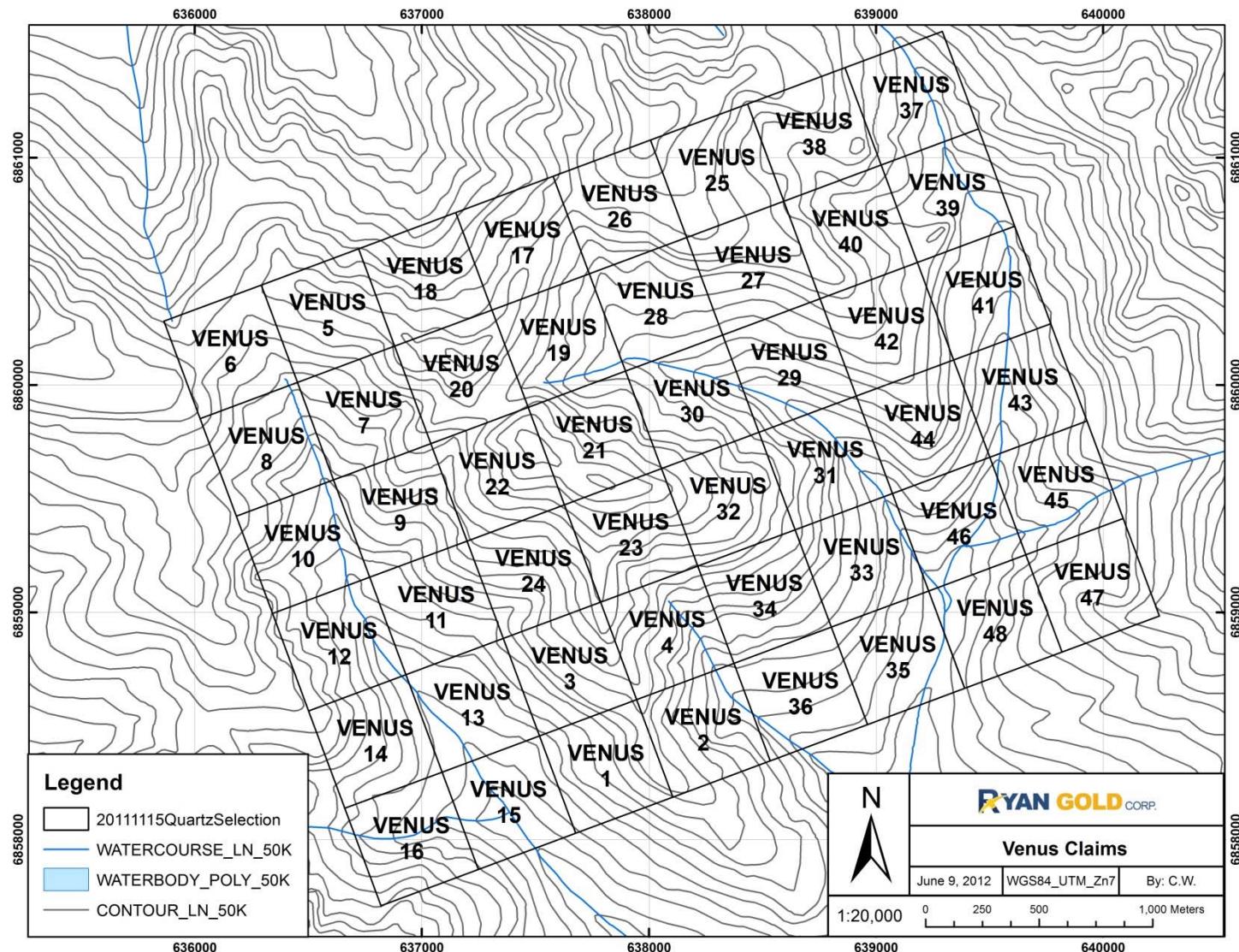


Figure 2: Map showing Venus claims.

The objective of the geological exploration program was gold prospecting and reconnaissance evaluation of the project. The soil program was conducted by Ryan Gold Corp.'s contractor company, Ground Truth Exploration Inc., between July 1<sup>st</sup> and July 2<sup>nd</sup>. A total of 258 soil samples were gathered within that time.

## HISTORY

The Venus property lies predominantly within the Finlayson Assemblage (DMf) which include psammite, metamorphosed mafic to felsic volcanics, quartz-muscovite schist, and marble (Figure 3). The Yukon-Tanana terrane which overlies the Ruby Range batholith is composed of the Finlayson and Snowcap assemblages (Israel, et al., 2010). The Ruby Range Porphyry (PRp) represents the northern part of the property which is the youngest porphyritic phase of the Ruby Range batholith (also known as the Rhyolite Creek Complex). The Ruby Range Porphyry consists of quartz (up to 3mm), feldspar porphyry and intermediate to felsic volcanic rocks commonly flow banded. Local volcanic breccia at the base of the volcanic pile along with pillows and mafic volcanic rocks are observed but uncommon (Israel, et al., 2011).

In 2007, Forty-eight Nisling claims were staked by Shawn Ryan after conducting soil surveys to follow up on historical porphyry type targets. The Nisling Project was conducted in three areas in the Nisling Range. More specifically Target Area 1 was around the Dwarf Birch Creek area (115G / 16), Target Area # 2 was around Tyrel Creek area (115G / 09), and Target # 3 located around the headwaters of Alaskite Creek (115G / 08). Target Area #1 became what the Venus property is now, after anomalous soil assay results were found.

In an area approximately 1km west of the Venus property outline, there is documented Zn-Cu mineralization also within the Finlayson Assemblage (Minfile 115G 078, Figure 3). This area of Zn-Cu mineralization is also underlain by metasedimentary rocks in contact with felsic volcanic tuffs and breccia that rim an alaskite stock. Within this contact area, there was documented showing of massive sphalerite, pyrrhotite and pyrite.

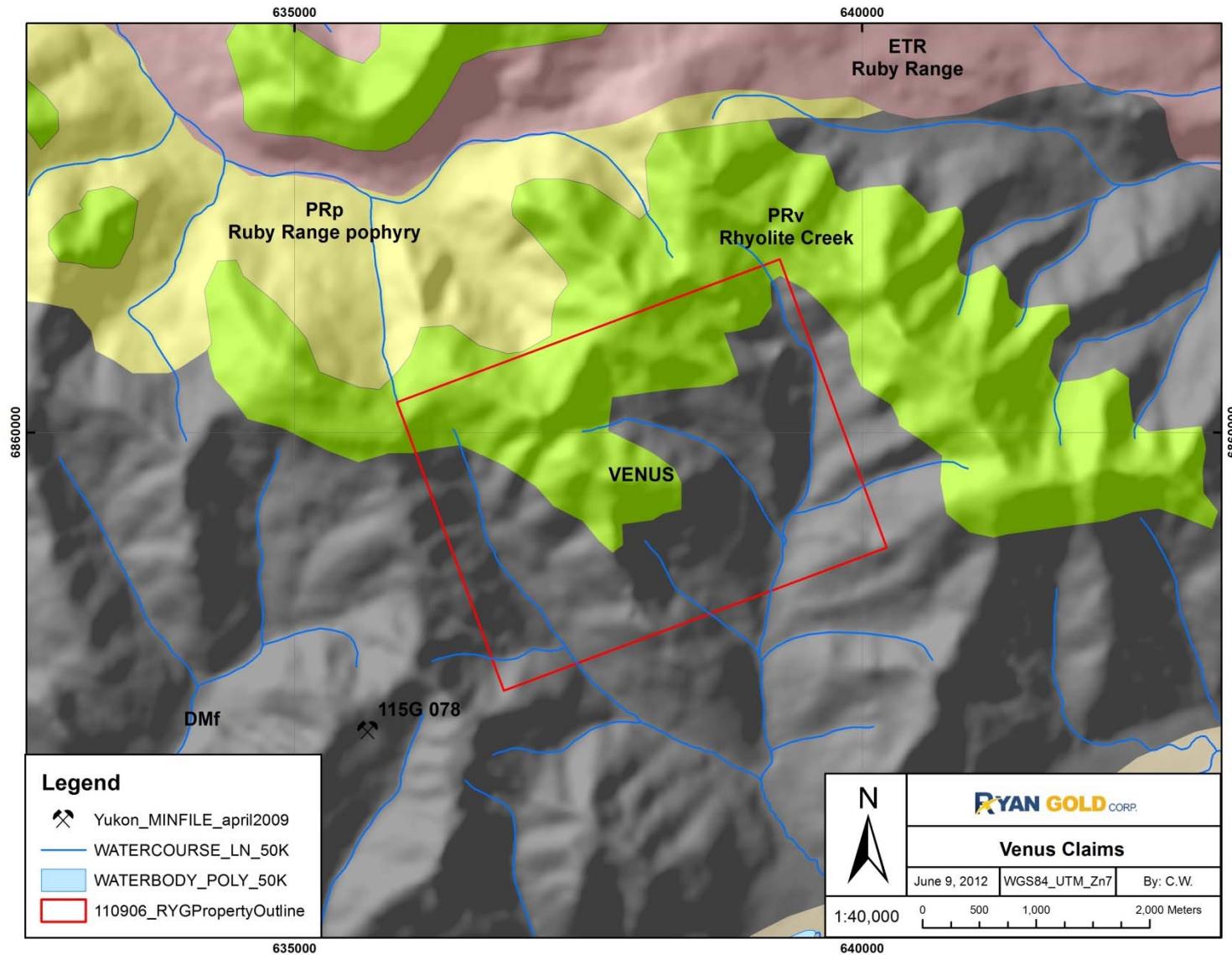


Figure 3: Overview of the regional geology and locations of Minfiles (Israel, et al., 2010).

## GEOLOGY

Only one day was required for mapping this small property and this was accomplished on July 2<sup>nd</sup>, 2011. A total of 48 observation points were gathered by two groups of two geologists hiking up two ridges in parallel. The observation points included information such as GPS location, lithology, alteration and mineralogy (Appendix B).

## LITHOLOGY

Two main lithological units were delineated in the mapping (from youngest to oldest):

1. The Rhyolite Creek Complex which includes quartz feldspar porphyry and welded tuffs. The quartz and feldspar phenocrysts range from 1mm-1cm in size. The tuff has a fine grained dark grey ash matrix with mostly 0.1-1cm clasts and phenocrysts. Fiamme forms were used to distinguish the tuff from the other volcanics (Photo 1).
2. Metasediments which include psammite and volcaniclastics interbedded with chert (Photo 2). Marble beds are also included in this package as they are observed to be structurally in contact with metasediments and are documented as part of the Finlayson assemblage.



Photo 1: Showing Fiamme in welded tuffs (img 0954.JPG).



Photo 2: Showing volcaniclastics interbedded with chert (img DSCN0193).

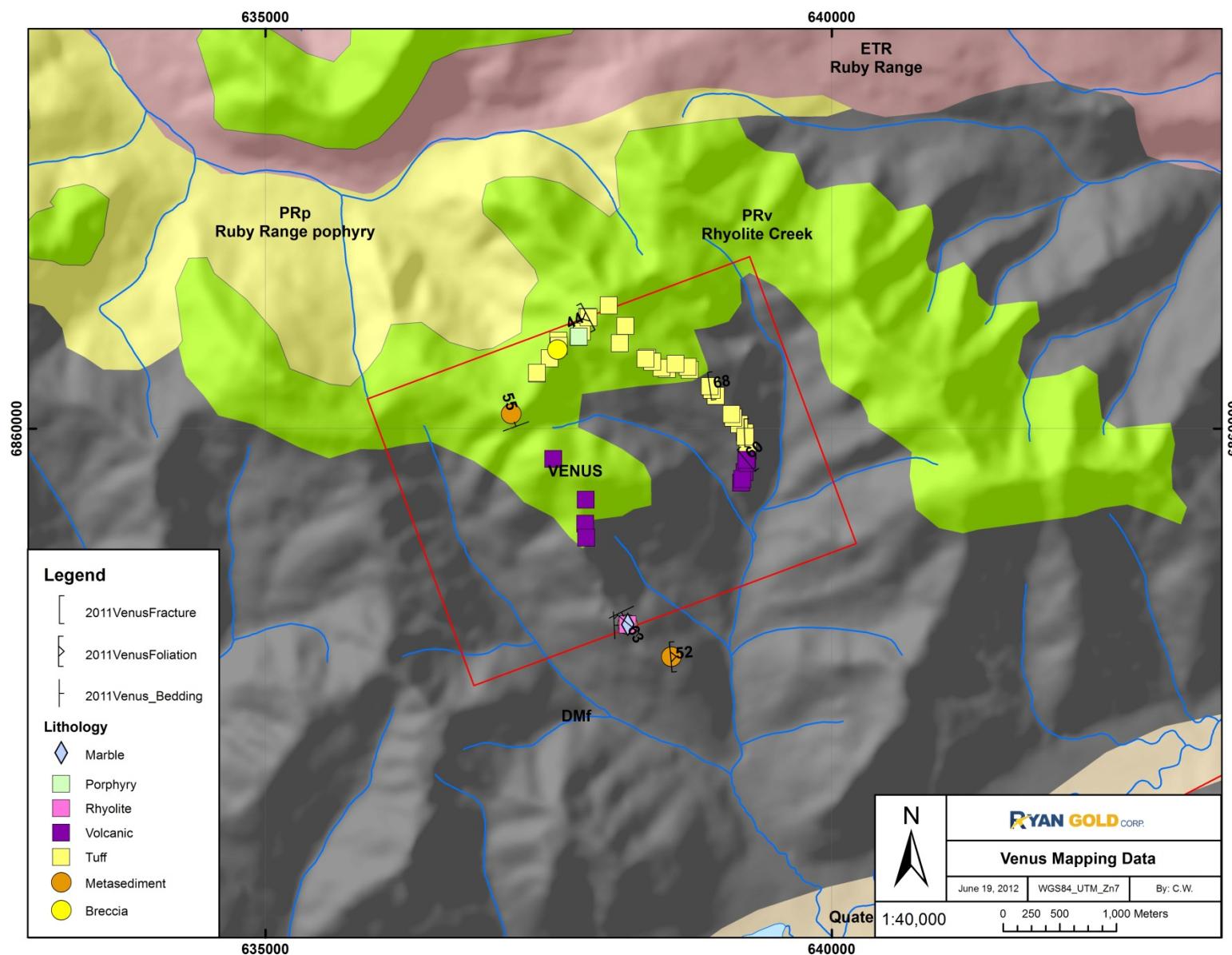


Figure 4: showing outcrop lithology on regional geology.

## GEOCHEMISTRY

### ROCK

Eleven rock samples were gathered during mapping on the Venus property on June 20<sup>th</sup> and July 2<sup>nd</sup>, 2011(Figure 5). All rock samples sites were marked by tying orange or pink flagging tape to a rock and recording the sample number on a metal tag. Sample information such as lithology, alteration, and mineralogy were recorded for each sample (Appendix B). Rock samples were sealed in plastic bags with barcoded sample number tags both on the outside and inside of the bag. The sealed rock sample bags were then packed into rice bags and sealed with an additional industrial plastic strap with security code. Ryan Gold used Acme Labs in Whitehorse and Dawson City to process samples with 1:1:1 Aqua Regia digestion ICP-MS analysis for 37 elements. The assay certificates are outlined in Appendix C.

### SOIL

Ground Truth Exploration Inc., Ryan Gold's contracting company, conducted the soil program between July 1<sup>st</sup> and 2<sup>nd</sup>. A total of 338 soil samples were gathered within that time, but only 258 soils were gathered within the property outline (Figure 6). Soil sample where taken with a soil auger at an average depth of 50-70 centimeters. All sample sites were marked by tying an orange flagging tape with sample number written on with black permanent markers. Sample site information was recorded for each sample such as depth, color, texture, moisture, horizon, and site cover (Appendix B). About 400-500 grams of soil was collected and placed in soil packet bags. All soil packets were air dried and placed in rice bags for transportation. Ryan Gold used Acme Labs in Whitehorse and Dawson City to process samples with Aqua Regia ICP-MS for 37 elements. The assay certificates are outlined in Appendix C.

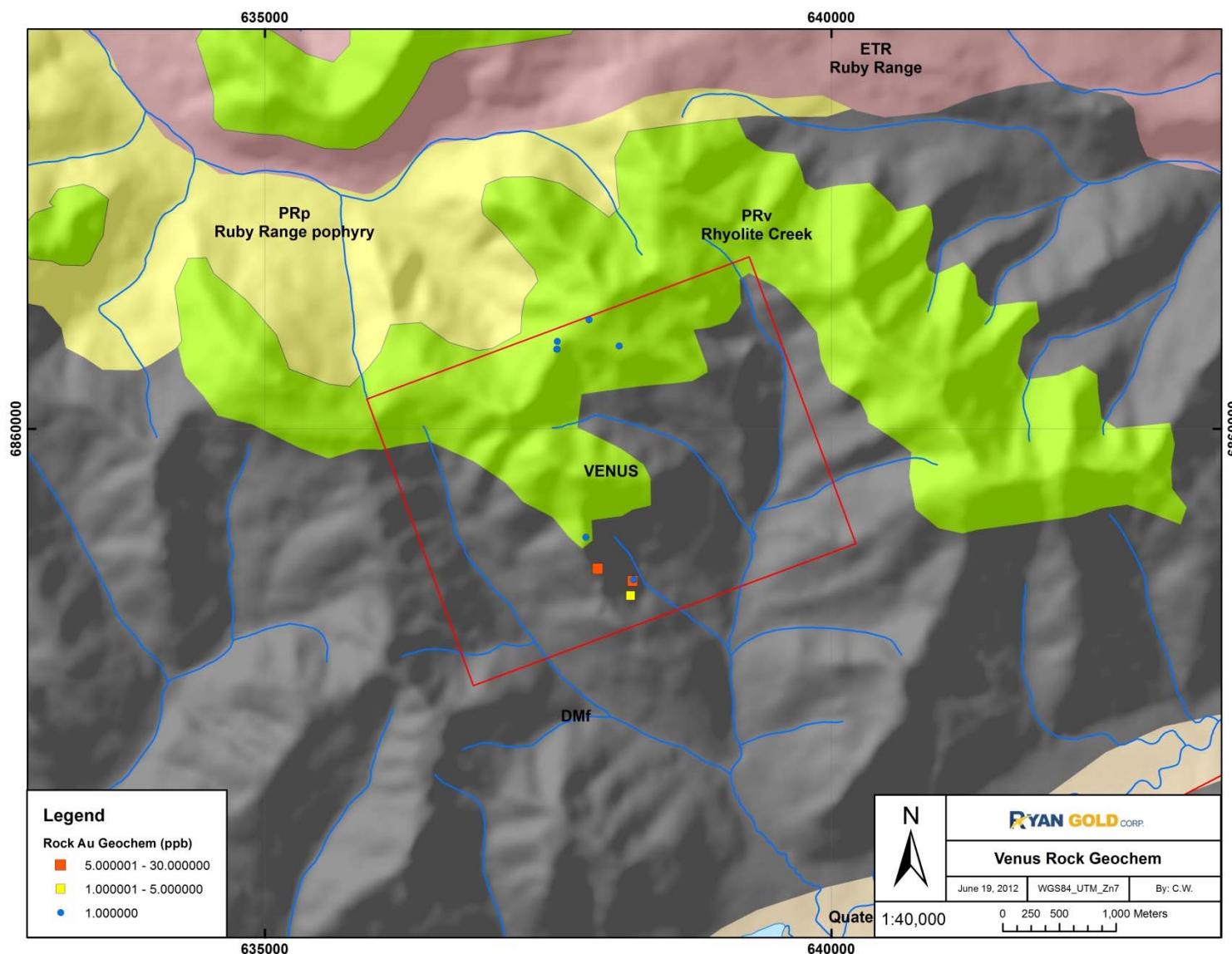


Figure 5: Rock samples with gold geochemistry results.

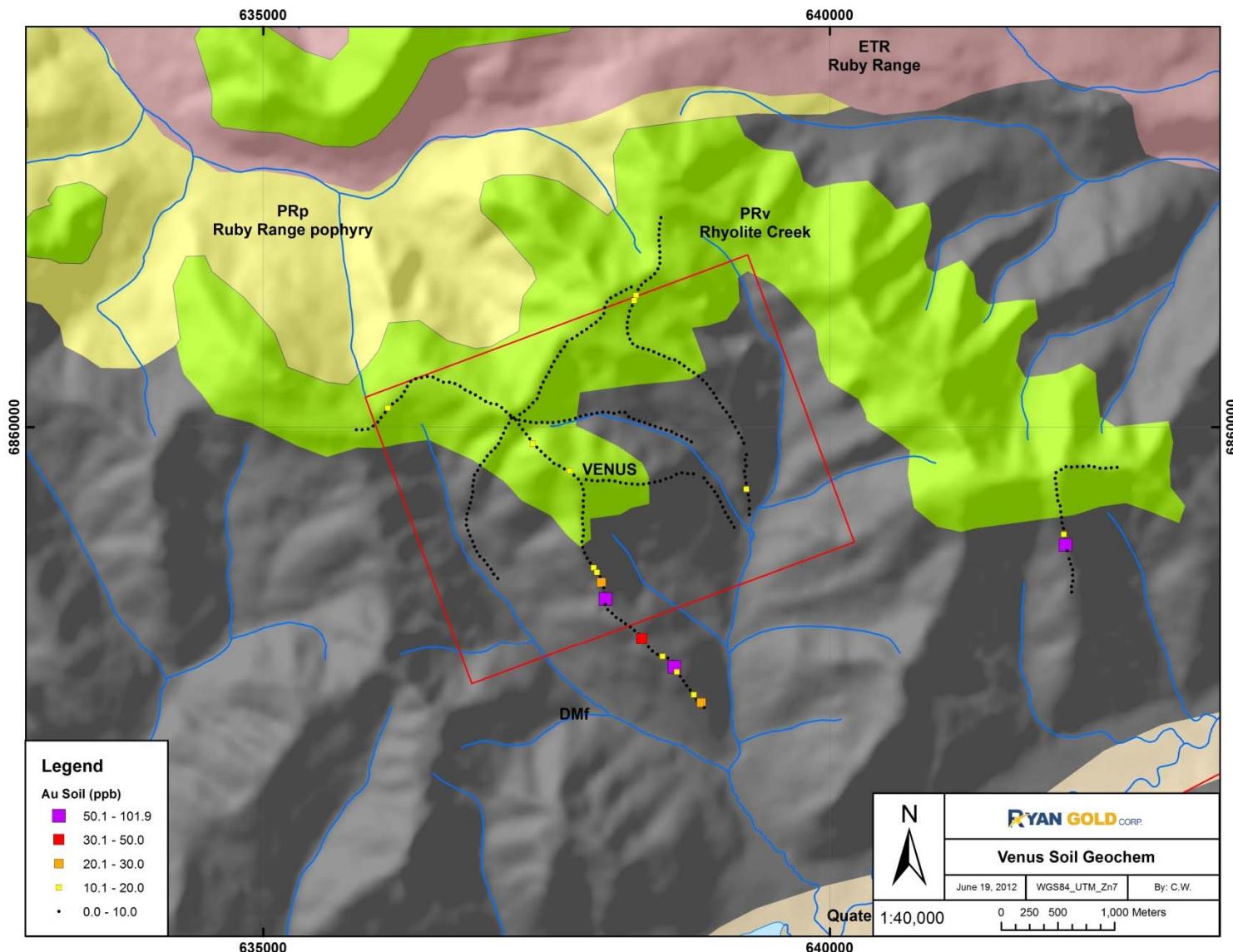


Figure 6: Soil samples with gold geochemistry results.

## **CONCLUSIONS**

The potential for porphyry or epithermal style mineralization increases north, up crustal section within the Ruby Range Batholith which is where the Venus property lies (Israel, et al., 2011). There are documented cases of porphyry Cu-Mo-Au mineralization in the contact region between the ruby range batholith and the Kluane schist (Minfile 115G 069). The northern part of the Venus property lies within this regional contact area (Figure 3) and intrusives along with porphyries and volcanic rocks are observed surrounded by metasediments in various parts of the property on a local scale. This is also consistent with documented instances of Cu-Mo mineralization that occurred in a skarn-hornfels zone that developed in metasedimentary rocks in contact with felsic volcanic flows (Minfile 115G 077, Figure 3). The rocks that had the highest gold values had oxidized calcite and quartz veins which represent epithermal style mineralization.

Since only one day was spent mapping on this property, there is no detailed conclusion or interpretation we can draw from this.

## **RECOMMENDATIONS**

The following work programme is planned for 2012:

- Follow up on new soil chemistry results with geological mapping
- Detailed mapping of anomalous gold regions
- Potential grid soil sampling of anomalous regions

## **STATEMENT OF QUALIFICATION**

I, Carrie Wong, located in Vancouver, British Columbia do hereby certify that:

1. I am a graduate of the University of British Columbia (2011) with a Bachelor's of Science in Geology with Honors.
2. I am a registered Geologist-In-Training (GIT) at the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC).
3. I was hired by Ryan Gold Corp. in May of 2011 to do field exploration, data management and ArcGIS work in the Yukon.
4. I spent one day mapping this property and compiled the geochemistry results.

Carrie Wong, GIT

## SUMMARY OF EXPENDITURES

### MAPPING AND ROCK SAMPLING

#### MAPPING & ROCK SAMPLING PROGRAM:

		Rate	Unit	Total
<b>CONTRACTOR:</b>				
JP Exploration Services, Whitehorse/Invoice 340/				\$ 1,700.00
Mapping&Sampling				
<b>WAGES:</b>				
Senior Geologist	per day	\$ 425.00	2	\$ 850.00
Jr. Geologist	per day	\$ 275.00	1	\$ 275.00
Geo Tech	per day	\$ 230.00	1	\$ 230.00
				\$ -
<b>CONSUMABLE SAMPLING SUPPLIES:</b>				
Flagging, Metal ID Tags, Sample Bags, Ore Bags, Rice Bags, etc.	per sample	\$ 1.00	13	\$ 13.00
<b>EQUIPMENT RENTAL (per unit, per day):</b>				
Iridium Satellite Phone: 1 per crew, charge 10 min/day	per day&min	\$ 35.00	2	\$ 70.00
Radio: ICOM Handheld: 1 per person	per day	\$ 5.00		\$ -
Computer/Software: 1 per camp nightly data download	per day	\$	2	\$



## SOIL PROGRAM

### SOIL SAMPLING PROGRAM:

A total of 10 man days were required to collect a total of 338 soil samples taken July 1+2, 2011

			Rate	Unit	Total
<b>WAGES:</b>					
	Soil Samplers	per day	\$ 350.00	8	\$ 2,800.00
	Project Forman	per day	\$ 400.00	2	\$ 800.00
	Stat Holiday				\$ -
<b>DATA MANAGEMENT &amp; PROCESSING SERVICES:</b>					
	GIS/Job Layout/Mapping/Results Plotting	per hour	\$ 75.00	1	\$ 75.00
	Data Processing: In the field	per hour	\$ 60.00	2	\$ 120.00
	Database Management/Chain of Custody, Barcoded Samples	\$0.50/sample	\$ 0.50	338	\$ 169.00
	Georeferenced In situ Sample & Sample Site Photos	per sample	\$ 0.50	655	\$ 327.50
<b>CONSUMABLE SAMPLING SUPPLIES:</b>					
	Flagging, Metal ID Tags, Sample Bags, Ore Bags, Rice Bags, etc.	per sample	\$ 1.00	338	\$ 338.00
<b>EQUIPMENT RENTAL (per unit, per day):</b>					
	Truck Rental: Fuel extra	per day	\$ 150.00	0	\$ -
	Fuel	per km	\$ 0.25	0	\$ -

					-
	Flat Deck Trailer: 10,000 lbs., 20 ft.	per day	\$ 100.00	0	\$ -
	Chainsaw drop kit: 1 per helicopter load, or as required	per day	\$ 35.00	2	\$ 70.00
	Iridium Satellite Phone: 1 per crew, charge 10 min/day	per day&min	\$ 35.00	2	\$ 70.00
	Radio: ICOM Handheld: 1 per person	per day	\$ 5.00	10	\$ 50.00
	Computer/Software: 1 per camp nightly data download	per day	\$ 50.00	1	\$ 50.00
	Handheld GPS/Barcode Scanner/Camera/Data Recorder	per day	\$ 15.00	10	\$ 150.00
	Camp Satellite Internet	per day	\$ 20.00	0	\$ -
<b>ACCOMODATION and FOOD:</b>					
	Remote Camp Fee: full fly camp/kitchen/generator	per man day	\$ 35.00	10	\$ 350.00
	Dawson Accomodation Fee: Samplers based in Dawson	per man day	\$ 35.00	0	\$ -
	Food	per man day	\$ 50.00	10	\$ 500.00
<b>MOBILIZATION/OPERATIONAL CHARGES</b>					\$ 1,667.82
<b>HELICOPTER SUPPORT:</b>					
	Trans North Helicopters	per hour	\$ 1,575.00	2.52	\$ 3,969.00
	FUEL	per litre	\$ 1.55	494.4	\$ 766.32

<b>ANALYTICAL ANALYSIS COSTS:</b>					
	Acme Laboratories, Vancouver, B.C./SOILS	per sample	\$ 22.00	338	\$ 7,436.00
<b>REPORT WRITING:</b>					\$ 750.00
			SOIL SAMPLING PROGRAM =		\$ 20,458.64

258 soils samples were taken within the claim  
 boundaries of the Venus Property  
 258 soil samples X \$60.53/sample =

\$15,616.74

PROGRAM  
 TOTAL  
 SOIL SAMPLING



QUARTZ MINING ACT FORM 4: SECTION 56  
APPLICATION FOR A CERTIFICATE OF WORK

Version française

I, Robin Sudo  
 Land Manager-Ryan Gold Corp.  
 of 4600 - 666 Burrard St., Vancouver, B.C. V6C 2X8  
 Phone 250-421-0939

010000000000

make oath and say that:

1. I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.
2. I have done, or caused to be done, work, on the following mineral claim(s): (Here list claims on which work was actually done by number and name)

See Schedule A attached

VENUS Property

situated at Noth of Birch Creek Claim sheet No. 115016

in the Whitehorse Mining District, to the value of at least \$21,100 dollars.

since the 18 day of July to the 9th day of July 20 11.

to represent the following mineral claims under the authority of Grouping Certificate No.                   .  
 (Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

See Schedule B attached

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 56).

See Schedule C - Soil Sampling & Schedule C - Mapping & Rock Sampling

TOTAL EXPENDITURES - \$21,158.07

\*\*\*Report to Follow\*\*\*

Sworn before me at Gambade BC on 7 day of December 20 11.

Donald Paolini  
 Notary Public  
 Barrister & Solicitor

Owner or Authorized Agent

*Access to Information and Protection of Privacy Act*  
 The personal information contained in this form is collected under the authority of and used for the purpose of administering the Quartz Mining Act. Quarters sheet, its collection and use of this information can be referred to the Mining Recorder Office, Ministry of Energy, Mines and Resources, Yukon Government, Box 2000, Whitehorse, Yukon, Y1A 2C6 (867) 667-3192  
 Y0S9H0 (71 042003)

## REFERENCES

Israel, S., Murphy, D., Bennett, V., Mortensen, J. and Crowley, J., 2011. New insights into the geology and mineral potential of the Coast Belt in southwestern Yukon. In: Yukon Exploration and Geology 2010, K.E. MacFarlane, L.H. Weston and C. Relf (eds.), Yukon Geological Survey, p. 101-123.

Israel, S., Cobbett, R., Westberg, E., Stanley, B. and Hayward, N., 2011. Preliminary bedrock geology of the Ruby Ranges, southwest Yukon (1:150,000 scale), Yukon Geological Survey Open File 2011-2.

SHAWN RYAN, Jan/08, Assessment Report # YMIP 07-045 by S. Ryan

## APPENDIX A

### Complete list of Claims

GRANT#	STATUS	PROPERTY	NUMBER	OWNER_NAME	STAKING_DA	RECORDED_D	EXPIRY DATE	DISTRICT_N
YC60068	Active	VENUS	1	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	20/03/2007 0:00	02/04/2007 0:00	April 2, 2013	Whitehorse
YC60069	Active	VENUS	2	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	20/03/2007 0:00	02/04/2007 0:00	April 2, 2013	Whitehorse
YC60070	Active	VENUS	3	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	20/03/2007 0:00	02/04/2007 0:00	April 2, 2013	Whitehorse
YC60071	Active	VENUS	4	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	20/03/2007 0:00	02/04/2007 0:00	April 2, 2013	Whitehorse
YD132857	Active	VENUS	5	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	06/12/2010 0:00	December 6, 2011	Whitehorse
YD132858	Active	VENUS	6	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	06/12/2010 0:00	December 6, 2011	Whitehorse
YD132859	Active	VENUS	7	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	06/12/2010 0:00	December 6, 2011	Whitehorse
YD132860	Active	VENUS	8	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	06/12/2010 0:00	December 6, 2011	Whitehorse
YD132861	Active	VENUS	9	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	06/12/2010 0:00	December 6, 2011	Whitehorse
YD132862	Active	VENUS	10	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	06/12/2010 0:00	December 6, 2011	Whitehorse
YD132863	Active	VENUS	11	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	06/12/2010 0:00	December 6, 2011	Whitehorse
YD132864	Active	VENUS	12	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010	06/12/2010	December 6, 2011	Whitehorse

					0:00	0:00		
YD132865	Active	VENUS	13	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	06/12/2010 0:00	December 6, 2011	Whitehorse
YD132866	Active	VENUS	14	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	06/12/2010 0:00	December 6, 2011	Whitehorse
YD132867	Active	VENUS	15	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	06/12/2010 0:00	December 6, 2011	Whitehorse
YD132868	Active	VENUS	16	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	06/12/2010 0:00	December 6, 2011	Whitehorse
YD132869	Active	VENUS	17	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	09/12/2010 0:00	December 9, 2011	Whitehorse
YD132870	Active	VENUS	18	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	09/12/2010 0:00	December 9, 2011	Whitehorse
YD132871	Active	VENUS	19	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	09/12/2010 0:00	December 9, 2011	Whitehorse
YD132872	Active	VENUS	20	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	09/12/2010 0:00	December 9, 2011	Whitehorse
YD132873	Active	VENUS	21	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	09/12/2010 0:00	December 9, 2011	Whitehorse
YD132874	Active	VENUS	22	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	09/12/2010 0:00	December 9, 2011	Whitehorse
YD132875	Active	VENUS	23	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	09/12/2010 0:00	December 9, 2011	Whitehorse
YD132876	Active	VENUS	24	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	09/12/2010 0:00	December 9, 2011	Whitehorse
YD132877	Active	VENUS	25	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	06/12/2010 0:00	December 6, 2011	Whitehorse
YD132878	Active	VENUS	26	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	06/12/2010 0:00	December 6, 2011	Whitehorse
YD132879	Active	VENUS	27	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	06/12/2010 0:00	December 6, 2011	Whitehorse
YD132880	Active	VENUS	28	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	06/12/2010 0:00	December 6, 2011	Whitehorse

YD132881	Active	VENUS	29	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	06/12/2010 0:00	December 6, 2011	Whitehorse
YD132882	Active	VENUS	30	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	06/12/2010 0:00	December 6, 2011	Whitehorse
YD132883	Active	VENUS	31	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	06/12/2010 0:00	December 6, 2011	Whitehorse
YD132884	Active	VENUS	32	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	06/12/2010 0:00	December 6, 2011	Whitehorse
YD132885	Active	VENUS	33	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	06/12/2010 0:00	December 6, 2011	Whitehorse
YD132886	Active	VENUS	34	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	06/12/2010 0:00	December 6, 2011	Whitehorse
YD132887	Active	VENUS	35	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	06/12/2010 0:00	December 6, 2011	Whitehorse
YD132888	Active	VENUS	36	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	06/12/2010 0:00	December 6, 2011	Whitehorse
YD132889	Active	VENUS	37	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	09/12/2010 0:00	December 9, 2011	Whitehorse
YD132890	Active	VENUS	38	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	09/12/2010 0:00	December 9, 2011	Whitehorse
YD132891	Active	VENUS	39	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	09/12/2010 0:00	December 9, 2011	Whitehorse
YD132892	Active	VENUS	40	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	09/12/2010 0:00	December 9, 2011	Whitehorse
YD132893	Active	VENUS	41	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	09/12/2010 0:00	December 9, 2011	Whitehorse
YD132894	Active	VENUS	42	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	09/12/2010 0:00	December 9, 2011	Whitehorse
YD132895	Active	VENUS	43	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	09/12/2010 0:00	December 9, 2011	Whitehorse
YD132896	Active	VENUS	44	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	09/12/2010 0:00	December 9, 2011	Whitehorse
YD132897	Active	VENUS	45	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010	09/12/2010	December 9, 2011	Whitehorse

					0:00	0:00		
YD132898	Active	VENUS	46	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	09/12/2010 0:00	December 9, 2011	Whitehorse
YD132899	Active	VENUS	47	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	09/12/2010 0:00	December 9, 2011	Whitehorse
YD132900	Active	VENUS	48	45127 Yukon Inc - 30%, Ryan Gold Corp. - 70%	01/12/2010 0:00	09/12/2010 0:00	December 9, 2011	Whitehorse

**APPENDIX B**

See attached digital files on disk: 2011\_Venus\_ALL\_Geochem.xlsx

**APPENDIX C**

Official assay certificates from Acme are attached



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

[www.acmelab.com](http://www.acmelab.com)

**Client:** **Ryan Gold Corp.**  
600 - 666 Burrard St.  
Vancouver BC V6C 1H2 Canada

Submitted By: Ian Gendall  
Receiving Lab: Canada-Whitehorse  
Received: July 08, 2011  
Report Date: July 22, 2011  
Page: 1 of 3

## CERTIFICATE OF ANALYSIS

WHI11000511.1

### CLIENT JOB INFORMATION

Project: Kluane  
Shipment ID: kluane-003  
P.O. Number  
Number of Samples: 32

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	30	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B01+3B04	32	Fire assay fusion Au by ICP-ES	50	Completed	VAN
1DX1	32	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
DISP-RJT Dispose of Reject After 90 days

### ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Ryan Gold Corp.  
600 - 666 Burrard St.  
Vancouver BC V6C 1H2  
Canada

CC: Hua Jin



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



# AcmeLabs

1020 Cordova St. East Vancouver BC V6A 4A3 Canada  
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

**Client:** **Ryan Gold Corp.**  
600 - 666 Burrard St.  
Vancouver BC V6C 1H2 Canada

Project: Kluane  
Report Date: July 22, 2011

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Page: 2 of 3 Part 1

## CERTIFICATE OF ANALYSIS

WHI11000511.1

Method	WGHT	3B-50	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	
	MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01	
40001	Rock	1.72	5	0.4	57.0	4.4	30	<0.1	32.7	11.4	173	2.69	50.6	5.8	12.1	22	0.1	0.3	0.6	63	0.44
40041	Rock	1.91	<2	0.8	15.7	2.7	96	<0.1	10.8	17.6	942	3.98	5.2	<0.5	1.1	339	0.3	0.3	<0.1	77	4.08
40006	Rock	0.50	123	2.0	208.0	91.6	394	1.8	25.8	14.7	412	7.38	567.9	89.3	6.7	30	3.0	0.9	13.7	56	0.22
41906	Rock	2.46	<2	1.7	28.6	0.9	38	<0.1	16.8	9.9	307	2.35	1.2	0.6	1.4	60	<0.1	<0.1	0.1	77	0.69
40604	Rock	2.32	3	0.9	15.2	2.0	9	0.2	2.6	0.5	28	0.75	48.4	5.3	1.8	3	<0.1	1.9	0.1	12	0.01
40801	Rock	2.45	<2	0.3	3.1	13.5	151	<0.1	1.2	0.3	75	0.98	1.1	<0.5	6.9	6	0.1	<0.1	0.3	<2	0.06
40609	Rock Pulp	0.15	<2	1.2	24.8	5.0	42	<0.1	84.2	22.0	429	3.14	0.7	<0.5	1.6	192	<0.1	<0.1	<0.1	56	0.56
40002	Rock	1.01	<2	1.4	38.4	19.5	17	0.4	2.1	1.2	101	1.66	3.6	2.3	9.3	38	<0.1	0.2	0.2	45	0.24
40042	Rock	2.04	<2	0.8	17.2	8.3	99	<0.1	11.0	19.9	833	4.83	18.1	<0.5	0.8	103	0.4	1.2	0.2	109	2.42
41902	Rock	2.72	<2	0.9	31.2	1.4	11	0.1	27.8	9.7	235	4.08	0.8	<0.5	2.1	11	<0.1	<0.1	0.2	133	0.20
41907	Rock	2.80	<2	0.8	33.8	1.5	85	<0.1	41.6	16.5	333	4.35	0.6	<0.5	1.1	23	<0.1	<0.1	<0.1	183	0.28
40605	Rock	2.21	3	2.2	20.6	3.8	51	0.5	14.9	0.6	58	0.52	28.7	6.7	0.6	8	0.4	2.6	0.2	44	0.05
40802	Rock	3.19	11	0.6	82.6	12.4	47	0.4	45.2	25.7	218	4.28	6.8	11.1	7.7	126	0.1	1.2	0.4	82	1.68
40612	Rock Pulp	0.15	1021	1.4	20.7	37.8	44	0.2	59.1	17.9	346	4.49	2.7	886.7	1.6	113	0.3	0.3	0.3	37	0.46
40003	Rock	1.21	3	1.5	47.0	191.7	312	0.3	9.7	3.2	177	4.46	17.7	3.5	2.2	33	0.7	0.3	0.7	49	0.03
40043	Rock	1.91	5	3.1	10.0	15.5	13	<0.1	1.0	1.2	62	0.88	19.5	3.7	27.3	7	<0.1	1.6	0.3	9	0.06
41903	Rock	2.53	<2	0.6	34.4	2.1	15	<0.1	26.1	8.3	182	2.28	0.9	0.6	1.6	10	<0.1	<0.1	<0.1	69	0.15
41908	Rock	3.34	<2	0.5	53.6	3.9	99	<0.1	58.0	24.1	410	4.58	1.6	<0.5	0.8	169	0.1	<0.1	<0.1	114	2.37
40606	Rock	2.01	<2	0.2	36.5	6.4	24	<0.1	56.4	15.8	147	1.52	0.8	0.7	2.7	200	<0.1	<0.1	<0.1	22	3.22
40752	Rock	1.53	<2	2.4	223.1	5.3	25	1.0	13.2	10.5	70	2.56	0.8	1.4	7.0	53	0.2	<0.1	0.3	50	0.55
40004	Rock	1.13	287	1.3	687.9	23.1	60	3.0	10.4	4.3	174	3.81	138.5	204.4	4.8	55	0.5	1.1	4.6	38	0.92
40044	Rock	1.50	9	1.2	5.2	4.6	25	<0.1	4.0	6.5	284	2.00	33.6	10.0	9.7	45	<0.1	0.7	1.2	62	0.71
41904	Rock	2.50	<2	0.5	3.7	1.2	78	<0.1	42.4	16.8	450	3.75	0.7	0.5	0.4	37	<0.1	<0.1	<0.1	93	0.62
41909	Rock	2.76	<2	0.2	18.6	2.4	68	<0.1	16.6	4.2	144	0.68	0.8	0.5	4.3	9	3.2	0.3	<0.1	8	0.90
40607	Rock	1.84	<2	0.4	1.7	10.6	71	<0.1	2.2	0.3	74	0.86	2.1	<0.5	12.5	6	<0.1	<0.1	<0.1	<2	0.04
40007	Rock	3.12	13	0.3	37.1	1.0	30	<0.1	25.9	16.2	610	2.56	2.8	7.1	<0.1	82	0.1	0.3	<0.1	114	4.44
40005	Rock	1.51	7	0.2	3.0	3.9	25	<0.1	2.0	2.7	297	0.96	1.2	12.3	8.3	32	0.2	0.1	<0.1	23	1.11
41901	Rock	3.37	<2	0.3	18.9	3.6	86	0.1	9.1	12.8	526	3.80	7.2	<0.5	0.7	64	<0.1	<0.1	<0.1	72	2.16
41905	Rock	2.92	<2	0.5	31.0	1.4	54	<0.1	23.3	12.5	313	2.58	<0.5	<0.5	1.8	44	<0.1	<0.1	<0.1	98	0.64
41910	Rock	2.63	<2	7.1	13.2	2.0	55	0.2	18.8	0.9	30	0.51	48.5	0.8	0.8	3	0.5	8.9	<0.1	167	0.02

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Project: Kluane  
Report Date: July 22, 2011

Page: 2 of 3 Part 2

## CERTIFICATE OF ANALYSIS

WHI11000511.1

Method	Analyte	1DX																	
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2
40001	Rock	0.047	21	59	0.93	104	0.161	<20	1.71	0.104	0.31	0.3	<0.01	5.8	0.2	0.26	9	1.1	<0.2
40041	Rock	0.199	14	43	1.46	119	0.043	<20	3.50	0.381	0.06	<0.1	<0.01	10.9	<0.1	<0.05	7	<0.5	<0.2
40006	Rock	0.078	16	45	0.61	124	0.076	<20	1.52	0.030	0.16	0.9	0.02	2.9	<0.1	0.14	7	2.6	7.1
41906	Rock	0.090	4	35	0.67	270	0.205	<20	1.33	0.152	0.66	<0.1	<0.01	2.5	0.1	<0.05	4	<0.5	<0.2
40604	Rock	0.021	5	21	0.01	99	0.005	<20	0.16	0.002	0.08	<0.1	<0.01	0.6	<0.1	<0.05	<1	<0.5	<0.2
40801	Rock	0.037	6	7	0.03	32	0.004	<20	0.48	0.064	0.14	0.2	<0.01	0.4	<0.1	<0.05	6	<0.5	<0.2
40609	Rock Pulp	0.123	12	56	1.60	54	0.419	<20	1.45	0.586	0.35	<0.1	<0.01	0.3	<0.1	<0.05	5	<0.5	<0.2
40002	Rock	0.078	12	21	0.57	154	0.102	<20	0.88	0.068	0.18	1.0	<0.01	1.6	<0.1	0.11	4	1.2	0.3
40042	Rock	0.164	14	51	2.38	142	0.401	<20	2.59	0.126	0.05	0.3	0.01	8.5	0.2	0.35	9	<0.5	<0.2
41902	Rock	0.101	7	77	1.43	423	0.166	<20	2.64	0.056	1.55	<0.1	<0.01	8.2	0.3	<0.05	5	<0.5	<0.2
41907	Rock	0.096	5	122	1.45	704	0.277	<20	3.17	0.086	1.60	<0.1	<0.01	10.2	0.2	0.11	12	0.6	<0.2
40605	Rock	0.052	3	19	0.01	60	0.001	<20	0.11	0.001	0.06	0.2	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2
40802	Rock	0.108	16	81	1.04	81	0.205	<20	3.38	0.170	0.87	0.3	<0.01	7.4	0.5	1.19	12	0.5	0.2
40612	Rock Pulp	0.090	9	44	1.27	63	0.253	<20	1.17	0.537	0.34	<0.1	<0.01	0.5	0.5	2.74	4	0.7	<0.2
40003	Rock	0.055	7	29	0.38	53	0.003	<20	0.88	0.018	0.12	0.2	<0.01	1.4	<0.1	0.10	4	0.8	0.2
40043	Rock	0.013	16	8	0.08	68	0.016	<20	0.34	0.047	0.13	0.3	<0.01	1.2	<0.1	<0.05	1	0.6	<0.2
41903	Rock	0.060	5	50	0.70	196	0.074	<20	1.40	0.037	0.61	<0.1	<0.01	4.2	0.2	<0.05	4	<0.5	<0.2
41908	Rock	0.567	54	70	1.50	83	0.066	<20	1.55	0.142	0.11	<0.1	<0.01	3.8	<0.1	<0.05	9	<0.5	<0.2
40606	Rock	0.072	8	26	0.33	52	0.135	<20	3.21	0.368	0.14	0.3	<0.01	1.4	<0.1	0.27	8	0.6	<0.2
40752	Rock	0.106	12	29	0.85	81	0.089	<20	1.18	0.102	0.10	0.3	<0.01	1.5	<0.1	0.59	5	3.1	0.2
40004	Rock	0.067	7	46	0.40	100	0.139	<20	1.42	0.063	0.37	8.4	<0.01	2.3	0.2	0.44	6	6.2	2.4
40044	Rock	0.072	18	8	0.76	409	0.090	<20	1.17	0.127	0.12	0.2	<0.01	4.1	<0.1	<0.05	6	<0.5	0.8
41904	Rock	0.175	6	189	1.84	915	0.471	<20	2.35	0.094	1.66	<0.1	<0.01	2.9	0.4	<0.05	9	<0.5	<0.2
41909	Rock	0.026	11	9	0.33	164	0.089	<20	0.56	0.019	0.04	0.2	<0.01	0.5	<0.1	<0.05	2	0.5	<0.2
40607	Rock	0.030	20	8	0.01	59	0.004	<20	0.44	0.063	0.13	0.3	<0.01	0.3	<0.1	<0.05	7	<0.5	<0.2
40007	Rock	0.092	<1	54	1.20	73	0.114	<20	1.47	0.143	0.07	<0.1	0.01	6.9	<0.1	0.29	5	<0.5	<0.2
40005	Rock	0.008	5	16	0.41	38	0.019	<20	0.90	0.067	0.04	<0.1	<0.01	3.9	<0.1	<0.05	3	<0.5	<0.2
41901	Rock	0.192	11	41	1.39	53	0.155	<20	1.93	0.060	0.11	<0.1	<0.01	3.7	<0.1	<0.05	10	<0.5	<0.2
41905	Rock	0.088	7	46	0.81	247	0.226	<20	1.68	0.176	0.64	<0.1	<0.01	2.0	0.1	<0.05	6	<0.5	<0.2
41910	Rock	0.010	7	25	0.02	118	0.004	<20	0.12	0.002	0.08	0.5	0.08	0.5	<0.1	<0.05	<1	2.0	<0.2

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Page: 3 of 3 Part 1

## CERTIFICATE OF ANALYSIS

WHI11000511.1

Method	WGHT	3B-50	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX		
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
41351	Rock	1.95	36	78.3	1587	30.2	108	3.7	47.4	18.2	491	2.16	150.8	27.0	7.6	156	1.3	0.3	0.7	51	3.88
40008	Rock	1.90	<2	2.1	5.6	16.4	9	0.4	0.6	0.1	20	0.37	1.7	<0.5	8.2	3	<0.1	0.1	0.2	<2	0.01



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Project: Kluane  
Report Date: July 22, 2011

Page: 3 of 3 Part 2

## CERTIFICATE OF ANALYSIS

WHI11000511.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX		
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
41351	Rock	0.042	26	85	1.28	55	0.048	<20	2.73	0.164	0.16	5.7	<0.01	3.7	<0.1	0.18	8	1.3	0.6
40008	Rock	0.006	<1	5	<0.01	47	<0.001	<20	0.21	0.065	0.13	0.3	<0.01	0.1	<0.1	<0.05	1	0.6	<0.2



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## Project

Kluane

**Report Date**

July 22, 2011

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Page:

Part

## QUALITY CONTROL REPORT

WHI11000511.1

	Method	WGHT	3B-50	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	
Unit		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	
MDL		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	0.01	
Pulp Duplicates																					
REP G1	QC		<0.1	1.6	2.0	45	<0.1	3.5	4.1	529	1.84	<0.5	<0.5	3.6	47	<0.1	<0.1	<0.1	35	0.39	
40607	Rock	1.84	<2	0.4	1.7	10.6	71	<0.1	2.2	0.3	74	0.86	2.1	<0.5	12.5	6	<0.1	<0.1	<0.1	<2	0.04
REP 40607	QC		<2																		
Core Reject Duplicates																					
40003	Rock	1.21	3	1.5	47.0	191.7	312	0.3	9.7	3.2	177	4.46	17.7	3.5	2.2	33	0.7	0.3	0.7	49	0.03
DUP 40003	QC		4	1.3	45.3	186.8	308	0.3	9.4	3.1	143	4.21	16.8	2.4	2.3	33	0.6	0.2	0.7	48	0.03
Reference Materials																					
STD DS8	Standard		12.1	103.5	117.5	312	1.9	40.2	8.0	626	2.50	28.3	93.4	5.5	62	2.5	4.6	6.4	42	0.70	
STD OREAS45CA	Standard		0.9	517.0	18.4	65	0.3	256.8	92.9	956	16.41	4.1	45.6	6.4	16	<0.1	0.1	0.2	213	0.44	
STD OXC88	Standard	204																			
STD OXH82	Standard	1342																			
STD OXC88 Expected		203																			
STD OXH82 Expected		1278																			
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7		
STD OREAS45CA Expected		1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265		
BLK	Blank	<2																			
BLK	Blank	<2																			
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01		
Prep Wash																					
G1	Prep Blank	<2	<0.1	1.5	2.4	44	<0.1	3.1	4.0	519	1.77	<0.5	0.5	4.1	54	<0.1	<0.1	<0.1	35	0.54	
G1	Prep Blank	<2																			
G1	Prep Blank		<0.1	1.7	2.3	47	<0.1	4.0	4.6	537	1.91	<0.5	<0.5	3.9	51	<0.1	<0.1	<0.1	35	0.41	



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**Project:** Kluane  
**Report Date:** July 22, 2011

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**Page:** 1 of 1 **Part:** 2

## QUALITY CONTROL REPORT

WHI11000511.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																			
REP G1	QC	0.082	6	10	0.54	221	0.097	<20	0.88	0.068	0.44	<0.1	<0.01	1.4	0.3	<0.05	4	<0.5	<0.2
40607	Rock	0.030	20	8	0.01	59	0.004	<20	0.44	0.063	0.13	0.3	<0.01	0.3	<0.1	<0.05	7	<0.5	<0.2
REP 40607	QC																		
Core Reject Duplicates																			
40003	Rock	0.055	7	29	0.38	53	0.003	<20	0.88	0.018	0.12	0.2	<0.01	1.4	<0.1	0.10	4	0.8	0.2
DUP 40003	QC	0.053	7	28	0.37	46	0.003	<20	0.86	0.014	0.12	0.1	<0.01	1.5	<0.1	0.10	4	0.8	<0.2
Reference Materials																			
STD DS8	Standard	0.091	12	123	0.61	324	0.096	<20	0.90	0.087	0.46	2.7	0.19	1.8	5.4	0.17	5	5.4	4.9
STD OREAS45CA	Standard	0.047	16	807	0.13	188	0.126	<20	3.58	0.008	0.08	<0.1	0.03	35.3	<0.1	<0.05	19	0.5	<0.2
STD OXC88	Standard																		
STD OXH82	Standard																		
STD OXC88 Expected																			
STD OXH82 Expected																			
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	39.7	0.07	0.021	18.4	0.5	
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<1	<0.5	<0.2	
Prep Wash																			
G1	Prep Blank	0.086	8	11	0.59	222	0.101	<20	0.90	0.074	0.47	<0.1	<0.01	1.6	0.3	<0.05	5	<0.5	<0.2
G1	Prep Blank																		
G1	Prep Blank	0.081	7	11	0.55	234	0.106	<20	0.90	0.070	0.49	<0.1	<0.01	1.6	0.3	<0.05	4	<0.5	<0.2



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Vancouver BC V6C 1H2 Canada

Submitted By: Ian Gendall  
Receiving Lab: Canada-Whitehorse  
Received: July 13, 2011  
Report Date: July 29, 2011  
Page: 1 of 3

## CERTIFICATE OF ANALYSIS

WHI11000572.1

### CLIENT JOB INFORMATION

Project: Kluane  
Shipment ID: Kluane-007  
P.O. Number  
Number of Samples: 33

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	28	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B01+3B04	32	Fire assay fusion Au by ICP-ES	50	Completed	VAN
1DX1	32	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
DISP-RJT Dispose of Reject After 90 days

### ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Ryan Gold Corp.  
600 - 666 Burrard St.  
Vancouver BC V6C 1H2  
Canada

CC: Hua Jin



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All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Kluane  
Report Date: July 29, 2011

Page: 2 of 3 Part 1

## CERTIFICATE OF ANALYSIS

WHI11000572.1

Analyte	Method	WGHT 3B-50 1DX																		
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V
		kg	ppb	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%							
		MDL	0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	0.01
40623	Rock Pulp	0.16	981	1.5	25.7	44.8	47	0.3	61.3	17.8	351	4.37	2.5	914.8	1.9	114	0.3	0.2	0.3	38 0.52
40613	Rock	2.33	<2	5.1	12.3	8.8	72	0.2	2.4	0.9	139	0.58	1.0	3.9	7.5	2	0.6	<0.1	0.6	3 0.04
40614	Rock	2.55	<2	92.5	6.4	11.3	89	0.2	0.7	0.2	68	0.80	0.6	4.3	21.2	2	0.5	<0.1	<0.1	<2 0.12
40615	Rock	2.36	<2	0.9	71.8	2.9	77	0.1	57.9	16.0	373	3.97	<0.5	2.6	2.0	13	<0.1	<0.1	0.1	156 0.19
40616	Rock	2.27	2	0.9	30.6	3.6	108	0.1	36.6	10.7	438	3.99	4.1	0.7	4.8	16	<0.1	<0.1	0.2	56 0.16
40617	Rock	2.23	3	0.7	52.2	4.6	106	<0.1	98.5	37.9	680	3.51	13.3	3.5	3.1	16	0.1	<0.1	0.1	71 0.21
40051	Rock	2.49	<2	1.2	5.6	14.1	66	0.1	2.4	1.7	274	1.49	0.8	6.0	8.7	13	0.2	0.1	0.4	5 0.31
40052	Rock	4.05	<2	0.2	7.6	19.3	67	0.2	6.3	5.1	405	1.75	0.6	2.7	5.7	40	0.3	0.2	0.4	11 0.86
41301	Rock	1.65	<2	2.7	8.3	9.3	75	0.4	1.6	7.4	371	3.26	<0.5	0.7	5.9	30	0.5	0.4	0.4	41 0.72
41303	Rock	1.23	4	2.6	1180	138.5	195	7.3	42.7	41.2	385	6.58	8.9	8.1	2.1	273	2.5	0.2	0.9	365 3.58
41911	Rock	2.32	2	11.1	14.8	9.5	40	0.8	24.8	0.5	40	0.50	56.6	2.8	1.0	3	0.1	9.1	<0.1	253 0.02
40619	Rock Pulp	0.15	<2	1.2	26.4	5.3	41	<0.1	81.4	20.9	406	2.99	<0.5	1.3	1.6	176	<0.1	<0.1	<0.1	53 0.62
41912	Rock	2.28	<2	0.5	8.2	2.0	55	0.4	12.6	0.8	100	0.57	2.5	1.7	1.9	5	0.8	0.2	<0.1	14 0.23
40604	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	
40624	Rock Pulp	0.15	968	1.5	22.0	44.1	45	0.2	58.5	17.9	333	4.31	3.0	905.5	1.9	108	0.3	0.3	0.3	36 0.51
40117	Rock	1.58	8	15.0	57.3	8.0	31	1.2	7.7	3.7	32	0.90	27.3	5.3	2.5	13	0.2	4.9	0.2	84 0.79
40118	Rock	1.58	<2	1.4	3.9	35.3	79	0.3	1.8	0.9	73	0.90	2.3	0.8	9.2	<1	0.1	<0.1	0.5	<2 0.02
40119	Rock	1.42	<2	1.6	3.2	14.3	45	0.1	0.7	0.2	32	0.82	<0.5	2.1	13.0	2	0.1	<0.1	0.2	<2 0.04
40120	Rock	1.28	<2	0.6	33.9	6.0	62	0.3	33.0	16.7	125	3.43	1.0	1.6	11.3	235	0.1	<0.1	0.5	54 2.64
40088	Rock	2.50	9	1.2	38.8	8.0	58	0.4	165.6	34.1	398	3.00	839.4	7.8	7.2	85	0.3	2.8	1.0	75 1.78
40089	Rock	2.30	4	3.0	44.7	15.7	116	0.5	29.2	7.1	166	2.48	14.2	4.8	5.4	8	0.7	0.8	0.3	86 0.20
40620	Rock Pulp	0.14	<2	1.2	27.9	5.5	42	<0.1	84.8	21.4	407	3.03	<0.5	1.8	1.7	178	<0.1	<0.1	<0.1	54 0.62
41302	Rock	1.95	13	1.3	82.9	13.8	171	1.1	2.0	16.4	594	4.44	34.6	14.2	2.2	243	2.5	0.5	0.3	119 3.66
41304	Rock	1.97	18	1.0	106.2	16.0	240	4.1	37.9	10.9	330	3.08	284.9	20.1	5.1	47	5.3	3.7	0.4	70 1.74
40603	Rock	2.61	214	1.1	>10000	3.8	325	34.7	13.3	45.2	139	5.91	266.7	164.7	4.5	15	4.9	2.5	8.9	46 0.47
40751	Rock	2.35	14	0.2	111.4	16.1	27	1.4	49.8	26.6	137	3.59	10.5	16.3	0.6	461	0.3	0.2	0.3	46 3.96
40053	Rock	2.67	<2	1.1	31.1	13.6	101	<0.1	2.4	0.9	132	1.05	1.0	2.3	12.0	<1	0.1	<0.1	0.1	<2 0.04
40054	Rock	3.15	<2	0.9	3.9	12.2	73	<0.1	0.9	0.5	116	0.99	0.6	2.4	13.9	3	<0.1	<0.1	<0.1	<2 0.07
40055	Rock	2.44	<2	1.0	20.2	1.9	25	<0.1	6.7	2.0	105	1.37	1.6	3.4	4.1	6	<0.1	<0.1	0.1	39 0.03
40056	Rock	4.13	<2	0.7	25.1	1.7	27	<0.1	10.8	2.6	114	0.75	1.2	3.4	1.2	41	0.2	<0.1	<0.1	16 2.98

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Project: Kluane  
Report Date: July 29, 2011

Page: 2 of 3 Part 2

## CERTIFICATE OF ANALYSIS

WHI11000572.1

Method	Analyte	1DX																	
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2
40623	Rock Pulp	0.080	10	47	1.28	62	0.295	<20	1.22	0.526	0.34	<0.1	<0.01	0.8	0.4	2.58	4	0.8	<0.2
40613	Rock	0.006	12	10	0.01	11	0.002	<20	0.21	0.029	0.09	0.2	<0.01	0.4	<0.1	<0.05	1	<0.5	<0.2
40614	Rock	<0.001	20	9	<0.01	16	0.007	<20	0.22	0.073	0.11	0.4	<0.01	0.2	<0.1	<0.05	2	<0.5	<0.2
40615	Rock	0.086	7	97	1.08	505	0.270	<20	2.99	0.059	1.31	<0.1	<0.01	11.0	0.2	0.08	9	<0.5	<0.2
40616	Rock	0.072	8	50	1.21	56	0.048	<20	2.08	0.019	0.17	<0.1	0.01	2.8	<0.1	<0.05	6	<0.5	<0.2
40617	Rock	0.074	8	60	1.18	63	0.055	<20	1.99	0.034	0.22	<0.1	<0.01	3.8	<0.1	<0.05	7	<0.5	<0.2
40051	Rock	0.022	39	7	0.12	55	0.005	<20	0.63	0.048	0.23	<0.1	<0.01	1.3	0.2	<0.05	5	<0.5	<0.2
40052	Rock	0.050	28	9	0.41	195	0.018	<20	1.09	0.045	0.32	<0.1	<0.01	1.6	0.1	<0.05	5	<0.5	<0.2
41301	Rock	0.177	18	5	0.43	66	0.211	<20	0.93	0.113	0.42	0.4	<0.01	2.5	0.4	1.17	6	4.5	<0.2
41303	Rock	0.281	10	55	1.44	279	0.508	<20	6.97	0.483	1.59	3.3	<0.01	14.1	2.4	1.70	23	12.5	<0.2
41911	Rock	0.011	6	20	0.01	89	0.005	<20	0.12	0.001	0.09	0.6	0.01	0.5	0.1	<0.05	<1	<0.5	<0.2
40619	Rock Pulp	0.100	11	53	1.54	48	0.386	<20	1.48	0.545	0.32	<0.1	<0.01	0.4	<0.1	<0.05	5	<0.5	<0.2
41912	Rock	0.013	5	18	0.13	93	0.053	<20	0.36	0.005	0.06	0.1	<0.01	0.6	<0.1	<0.05	1	<0.5	<0.2
40604	Rock	L.N.R.																	
40624	Rock Pulp	0.081	9	46	1.23	60	0.282	<20	1.17	0.506	0.31	<0.1	0.01	0.7	0.4	2.59	4	0.8	<0.2
40117	Rock	0.427	11	26	0.12	282	0.005	<20	0.35	0.003	0.10	0.4	<0.01	0.6	<0.1	0.36	1	7.3	<0.2
40118	Rock	0.002	23	6	<0.01	14	0.001	<20	0.23	0.058	0.11	<0.1	<0.01	0.2	<0.1	<0.05	2	<0.5	<0.2
40119	Rock	0.002	12	5	<0.01	46	0.004	<20	0.22	0.057	0.13	0.3	<0.01	0.6	<0.1	<0.05	2	<0.5	<0.2
40120	Rock	0.043	15	74	1.62	38	0.199	<20	3.94	0.306	1.34	0.2	<0.01	7.4	0.6	1.10	13	<0.5	<0.2
40088	Rock	0.058	10	73	1.35	443	0.282	<20	3.74	0.182	0.95	0.4	<0.01	5.3	0.6	0.53	11	1.4	<0.2
40089	Rock	0.081	13	31	0.67	294	0.057	<20	1.42	0.026	0.50	0.2	<0.01	3.0	0.3	0.42	5	1.2	<0.2
40620	Rock Pulp	0.104	12	52	1.59	49	0.420	<20	1.50	0.557	0.32	<0.1	<0.01	0.5	<0.1	<0.05	5	<0.5	<0.2
41302	Rock	0.248	12	2	1.20	178	0.219	<20	5.99	0.154	1.12	3.6	<0.01	5.3	1.5	1.61	15	4.7	<0.2
41304	Rock	0.072	10	56	0.86	86	0.170	<20	3.55	0.061	0.69	0.9	<0.01	6.3	0.9	0.93	12	1.0	<0.2
40603	Rock	0.042	6	54	0.38	23	0.013	<20	0.61	0.005	0.09	11.4	<0.01	2.7	<0.1	3.38	5	15.5	5.6
40751	Rock	0.219	8	18	0.28	14	0.346	<20	4.87	0.225	0.05	0.4	<0.01	1.3	<0.1	2.02	12	1.0	0.6
40053	Rock	0.001	11	3	0.01	28	0.023	<20	0.40	0.062	0.12	0.4	<0.01	0.3	<0.1	<0.05	4	<0.5	<0.2
40054	Rock	0.004	21	4	0.02	38	0.008	<20	0.39	0.053	0.14	0.2	<0.01	0.5	<0.1	<0.05	4	<0.5	<0.2
40055	Rock	0.032	10	34	0.31	114	0.036	<20	0.77	0.012	0.31	<0.1	<0.01	1.8	0.1	<0.05	3	<0.5	<0.2
40056	Rock	0.055	4	16	0.05	20	0.025	<20	0.22	0.002	0.04	0.2	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2

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Project: Kluane  
Report Date: July 29, 2011

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Page: 3 of 3 Part 1

## CERTIFICATE OF ANALYSIS

WHI11000572.1

Method	WGHT	3B-50	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit	kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	
MDL		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
40057	Rock	3.48	<2	0.5	26.5	11.9	57	0.1	11.7	5.1	194	1.68	1.1	2.0	18.1	5	0.4	<0.1	0.2	22	0.17
40601	Rock	2.16	<2	0.8	6.6	16.6	46	0.1	2.0	1.3	305	0.84	0.5	1.7	6.0	23	0.2	0.2	0.3	<2	0.85
40602	Rock	2.95	<2	0.9	13.2	4.5	97	<0.1	6.4	10.2	754	3.64	2.1	1.8	1.9	37	<0.1	<0.1	<0.1	44	0.70



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Project: Kluane  
Report Date: July 29, 2011

Page: 3 of 3 Part 2

## CERTIFICATE OF ANALYSIS

WHI11000572.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX		
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
40057	Rock	0.030	42	26	0.32	41	0.038	<20	0.97	0.029	0.35	0.1	<0.01	2.3	0.4	<0.05	4	<0.5	<0.2
40601	Rock	0.019	29	3	0.11	116	0.002	<20	0.61	0.030	0.27	<0.1	<0.01	0.7	<0.1	<0.05	3	<0.5	<0.2
40602	Rock	0.123	10	12	0.82	136	0.114	<20	1.97	0.055	0.16	<0.1	0.10	3.4	<0.1	0.20	6	<0.5	0.4



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**Project:** Kluane  
**Report Date:** July 29, 2011

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**Page:** 1 of 1 **Part** 1

## QUALITY CONTROL REPORT

WHI11000572.1

	Method	WGHT	3B-50	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX		
Analyte		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit		kg	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL		0.01	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.5	0.1	0.1	0.1	0.1	2	0.01	
Pulp Duplicates																						
40614	Rock	2.55	<2	92.5	6.4	11.3	89	0.2	0.7	0.2	68	0.80	0.6	4.3	21.2	2	0.5	<0.1	<0.1	<2	0.12	
REP 40614	QC			78.4	6.6	11.6	90	0.2	0.6	0.2	70	0.80	0.7	2.2	22.4	2	0.6	<0.1	<0.1	<2	0.13	
41911	Rock	2.32	2	11.1	14.8	9.5	40	0.8	24.8	0.5	40	0.50	56.6	2.8	1.0	3	0.1	9.1	<0.1	253	0.02	
REP 41911	QC			2																		
40603	Rock	2.61	214	1.1 >10000	3.8	325	34.7	13.3	45.2	139	5.91	266.7	164.7	4.5	15	4.9	2.5	8.9	46	0.47		
REP 40603	QC			209																		
Core Reject Duplicates																						
41303	Rock	1.23	4	2.6	1180	138.5	195	7.3	42.7	41.2	385	6.58	8.9	8.1	2.1	273	2.5	0.2	0.9	365	3.58	
DUP 41303	QC			5	2.6	1171	133.1	175	7.0	37.1	37.4	351	6.29	8.9	5.8	1.8	266	2.2	0.2	0.9	348	3.45
Reference Materials																						
STD DS8	Standard			12.7	104.3	121.2	302	2.0	37.0	7.4	584	2.45	26.4	98.9	6.3	62	2.4	4.9	6.5	42	0.71	
STD OREAS45CA	Standard			1.0	502.2	20.7	62	0.3	249.2	91.8	879	16.04	6.3	41.0	6.9	15	0.1	0.2	0.2	206	0.43	
STD OXC88	Standard			192																		
STD OXC88	Standard			200																		
STD OXH82	Standard			1254																		
STD OXH82	Standard			1301																		
STD DS8 Expected				13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	107	6.89	67.7	2.38	4.8	6.67	41.1	0.7	
STD OREAS45CA Expected				1	494	20	60	0.275	240	92	943	15.69	3.8	43	7	15	0.1	0.13	0.19	215	0.4265	
STD OXC88 Expected				203																		
STD OXH82 Expected				1278																		
BLK	Blank			<2																		
BLK	Blank			<2																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	
BLK	Blank			<2																		
BLK	Blank			<2																		
Prep Wash																						
G1	Prep Blank			<2	0.1	2.0	2.8	43	<0.1	3.2	4.1	520	1.80	<0.5	4.6	4.9	59	<0.1	<0.1	<0.1	36	0.48
G1	Prep Blank			<2	0.2	1.8	3.0	47	<0.1	3.7	4.2	543	1.89	<0.5	1.9	5.2	64	<0.1	<0.1	<0.1	36	0.49

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Acme Analytical Laboratories (Vancouver) Ltd.

**Client:** **Ryan Gold Corp.**  
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Vancouver BC V6C 1H2 Canada

**Project:** Kluane  
**Report Date:** July 29, 2011

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**Page:** 1 of 1 **Part:** 2

## QUALITY CONTROL REPORT

WHI11000572.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX		
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm		
MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																			
40614	Rock	<0.001	20	9	<0.01	16	0.007	<20	0.22	0.073	0.11	0.4	<0.01	0.2	<0.1	<0.05	2	<0.5	<0.2
REP 40614	QC	<0.001	21	7	<0.01	17	0.007	<20	0.22	0.073	0.12	0.4	<0.01	0.2	<0.1	<0.05	2	<0.5	<0.2
41911	Rock	0.011	6	20	0.01	89	0.005	<20	0.12	0.001	0.09	0.6	0.01	0.5	0.1	<0.05	<1	<0.5	<0.2
REP 41911	QC																		
40603	Rock	0.042	6	54	0.38	23	0.013	<20	0.61	0.005	0.09	11.4	<0.01	2.7	<0.1	3.38	5	15.5	5.6
REP 40603	QC																		
Core Reject Duplicates																			
41303	Rock	0.281	10	55	1.44	279	0.508	<20	6.97	0.483	1.59	3.3	<0.01	14.1	2.4	1.70	23	12.5	<0.2
DUP 41303	QC	0.271	8	48	1.36	253	0.461	<20	6.72	0.465	1.57	3.2	<0.01	13.3	2.4	1.66	21	14.1	<0.2
Reference Materials																			
STD DS8	Standard	0.078	14	113	0.60	285	0.113	<20	0.90	0.082	0.41	2.5	0.18	1.8	4.8	0.16	5	4.8	4.8
STD OREAS45CA	Standard	0.039	16	727	0.13	166	0.135	<20	3.65	0.013	0.07	<0.1	0.03	35.4	<0.1	<0.05	19	0.9	<0.2
STD OXC88	Standard																		
STD OXC88	Standard																		
STD OXH82	Standard																		
STD OXH82	Standard																		
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		0.03	39.7	0.07	0.021	18.4	0.5	
STD OXC88 Expected																			
STD OXH82 Expected																			
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank																		
BLK	Blank																		
Prep Wash																			
G1	Prep Blank	0.075	9	8	0.55	217	0.122	<20	0.97	0.085	0.46	<0.1	<0.01	1.8	0.3	<0.05	5	<0.5	<0.2
G1	Prep Blank	0.077	10	11	0.56	221	0.123	<20	0.96	0.078	0.47	<0.1	0.01	1.9	0.3	<0.05	5	<0.5	<0.2



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**Client:** **Ryan Gold Corp.**  
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Submitted By: Jean Pautler  
Receiving Lab: Canada-Whitehorse  
Received: July 13, 2011  
Report Date: August 11, 2011  
Page: 1 of 2

## CERTIFICATE OF ANALYSIS

WHI11000577.1

### CLIENT JOB INFORMATION

Project: Kluane  
Shipment ID:  
P.O. Number  
Number of Samples: 26

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	26	Crush, split and pulverize 250 g rock to 200 mesh			WHI
1DX3	26	1:1:1 Aqua Regia digestion ICP-MS analysis	30	Completed	VAN
3B01	26	Fire assay fusion Au by ICP-ES	30	Completed	VAN

### SAMPLE DISPOSAL

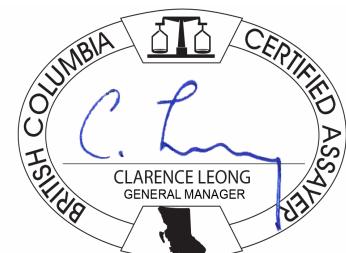
DISP-PLP Dispose of Pulp After 90 days  
STOR-RJT Store After 90 days Invoice for Storage

### ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Ryan Gold Corp.  
600 - 666 Burrard St.  
Vancouver BC V6C 1H2  
Canada

CC:



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



# AcmeLabs

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Acme Analytical Laboratories (Vancouver) Ltd.

## **Client:**

Ryan Gold Corp.

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Vancouver BC V6C 1H2 Canada

Project: Kluane

Report Date: August 11, 2011

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Page: 2 of 2 Part 1

## CERTIFICATE OF ANALYSIS

WHI11000577.1

Method	Analyte	WGHT	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30		
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V		
		Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%		
		MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	2	0.01		
40651	Rock	3.35	0.2	3.1	1.7	6	<0.1	10.7	2.0	178	0.53	2.3	2.2	0.2	25	<0.1	<0.1	<0.1	4	0.45	0.016
40652	Rock	1.81	0.4	18.0	3.3	36	<0.1	11.8	3.3	175	1.55	236.0	13.7	1.2	13	<0.1	0.2	<0.1	26	0.15	0.068
40653	Rock	3.18	0.2	2.3	0.7	3	<0.1	5.0	1.1	71	0.40	4.3	1.8	<0.1	42	<0.1	<0.1	<0.1	<2	0.68	0.001
40654	Rock	1.58	0.3	92.7	1.1	2	0.3	1.9	2.1	71	0.95	12.7	10.1	<0.1	12	<0.1	0.2	<0.1	6	0.12	0.002
40655	Rock	2.88	0.2	1.3	0.9	12	<0.1	22.9	3.1	110	0.82	5.4	1.5	<0.1	48	<0.1	<0.1	<0.1	11	0.83	0.018
40656	Rock	1.25	0.8	146.5	0.8	44	0.2	101.9	38.2	479	3.75	2.4	1.9	0.5	18	<0.1	0.2	<0.1	51	1.26	0.177
40657	Rock	1.80	0.2	1.5	0.2	<1	<0.1	1.4	0.3	35	0.38	9.5	1.7	<0.1	<1	<0.1	<0.1	<0.1	<2	0.01	0.001
40658	Rock	1.71	2.1	573.7	6.0	22	4.3	61.3	37.1	163	6.10	236.8	292.4	1.9	65	0.6	6.7	78.3	99	1.54	0.083
40659	Rock	2.64	0.5	73.6	14.1	101	0.2	162.8	49.7	1253	2.62	6.5	7.1	7.5	70	0.7	0.2	0.3	26	1.09	0.035
40660	Rock	2.58	3.3	178.9	5359	628	29.7	5.0	6.8	997	14.00	156.1	26.0	3.9	20	1.3	13.6	4.7	163	0.34	0.114
40661	Rock	0.71	0.6	19.7	36.2	34	1.5	6.6	3.1	120	0.90	11.1	1.2	2.9	4	0.2	0.5	1.9	3	0.04	0.005
40663	Rock	2.59	0.8	109.6	34.1	3290	1.0	19.1	11.1	1133	5.24	2.9	4.8	3.1	67	33.0	0.7	0.8	18	2.37	0.105
40664	Rock	1.55	0.5	461.6	8.6	34	1.6	99.2	34.9	329	10.32	1.3	4.2	2.0	14	0.6	0.4	10.3	33	0.80	0.068
41952	Rock	0.87	2.6	489.7	18.7	40	3.0	12.7	4.7	110	2.07	16.0	126.3	7.6	143	0.5	0.9	5.2	34	1.81	0.077
41953	Rock	1.19	0.8	32.8	4.9	17	0.1	5.2	1.6	90	0.87	2.4	1.7	5.1	21	0.2	0.4	<0.1	9	0.42	0.020
41954	Rock	0.47	4.8	1008	15.5	115	12.8	2.1	1.1	83	11.38	25.1	291.5	2.5	21	0.3	0.6	242.2	29	0.05	0.027
41955	Rock	0.52	3.3	39.0	14.1	46	0.5	2.9	5.5	130	2.51	12.2	0.9	6.8	55	0.4	0.4	0.7	38	0.46	0.086
41956	Rock	0.59	1.4	183.2	20.9	43	0.6	8.5	3.1	77	0.76	9.6	4.2	7.6	246	0.5	0.4	1.3	19	1.98	0.085
41957	Rock	1.59	1.0	112.8	0.6	6	0.5	16.5	3.7	40	1.05	23.6	1.1	0.3	<1	<0.1	0.3	<0.1	3	0.02	0.001
41958	Rock	1.83	5.4	163.9	150.7	3609	5.8	7.1	1.5	84	2.85	1286	2523	5.9	8	53.6	4.3	12.9	54	0.37	0.180
41959	Rock	1.00	2.2	145.5	101.6	92	4.7	18.8	9.0	51	2.61	4754	2459	5.7	12	2.4	10.3	11.9	26	0.19	0.083
41960	Rock	1.64	1.4	32.0	4.4	28	0.2	15.2	5.5	115	2.26	18.5	17.1	6.9	46	0.4	0.3	0.4	59	0.50	0.109
41961	Rock	0.64	0.6	91.1	16.1	75	0.5	37.4	26.2	105	2.78	1840	190.3	9.2	19	1.4	0.8	0.6	40	0.24	0.060
41962	Rock	1.61	1.3	>10000	8.0	1467	73.2	53.9	155.1	140	18.58	265.6	363.4	2.0	2	15.5	3.1	10.4	26	0.12	0.022
41963	Rock	1.41	0.7	7141	4.9	85	34.7	1.3	3.8	76	4.43	59.9	609.0	2.7	5	0.8	2.9	9.8	37	0.14	0.041
41964	Rock	0.43	0.8	5653	1.7	74	22.7	1.6	4.9	50	3.49	1008	74.7	2.2	3	0.9	2.5	1.8	15	0.03	0.021



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Project: Kluane  
Report Date: August 11, 2011

Page: 2 of 2 Part 2

## CERTIFICATE OF ANALYSIS

WHI11000577.1

Method	Analyte	1DX30																		3B
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au	
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb	
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	2	
40651	Rock	<1	16	0.16	5	0.016	<1	0.18	0.009	<0.01	<0.1	<0.01	0.7	<0.1	<0.05	<1	<0.5	<0.2	<2	
40652	Rock	3	32	0.40	19	0.007	<1	0.72	0.016	0.04	<0.1	<0.01	1.9	<0.1	<0.05	2	<0.5	<0.2	18	
40653	Rock	<1	9	0.03	1	<0.001	<1	0.04	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	<2	
40654	Rock	<1	14	0.02	18	0.002	<1	0.23	0.062	0.02	<0.1	<0.01	1.1	<0.1	<0.05	<1	<0.5	<0.2	9	
40655	Rock	<1	57	0.34	8	0.016	<1	0.45	0.017	0.02	<0.1	<0.01	0.9	<0.1	<0.05	1	<0.5	<0.2	<2	
40656	Rock	3	70	1.18	3	0.236	<1	1.56	0.077	0.02	0.1	<0.01	4.2	<0.1	0.59	4	1.3	<0.2	<2	
40657	Rock	<1	7	<0.01	1	<0.001	<1	<0.01	0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	<2	
40658	Rock	7	31	0.60	36	0.309	3	2.56	0.094	0.25	3.3	<0.01	4.8	0.4	3.78	9	8.1	3.8	290	
40659	Rock	21	28	0.64	27	0.019	2	1.24	0.054	0.05	<0.1	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2	14	
40660	Rock	6	8	1.03	128	0.081	2	1.40	0.023	0.11	1.2	0.14	3.7	0.1	1.09	9	13.9	1.5	30	
40661	Rock	7	3	0.11	57	0.002	1	0.33	0.023	0.12	<0.1	<0.01	0.4	<0.1	<0.05	1	0.8	<0.2	2	
40663	Rock	10	13	0.42	21	0.115	2	2.53	0.133	0.03	0.5	0.03	1.8	<0.1	2.43	7	4.8	0.4	11	
40664	Rock	7	112	0.88	25	0.143	<1	1.46	0.063	0.08	0.3	<0.01	2.8	<0.1	7.02	6	13.5	6.3	<2	
41952	Rock	20	21	0.38	40	0.117	1	2.80	0.190	0.14	1.0	0.01	2.6	<0.1	0.18	9	1.5	2.9	104	
41953	Rock	13	10	0.09	37	0.062	<1	0.43	0.040	0.08	0.5	<0.01	1.0	<0.1	<0.05	2	<0.5	<0.2	<2	
41954	Rock	5	7	0.05	42	0.028	<1	0.37	0.074	0.12	1.4	0.01	0.9	<0.1	0.39	3	24.3	130.0	328	
41955	Rock	23	<1	0.40	309	0.177	<1	1.07	0.120	0.35	0.3	<0.01	2.8	0.2	0.46	6	0.7	0.4	6	
41956	Rock	18	7	0.17	72	0.078	<1	3.29	0.496	0.11	0.3	<0.01	1.3	<0.1	<0.05	8	1.3	0.6	7	
41957	Rock	<1	5	0.02	3	0.002	<1	0.06	0.003	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	0.7	<0.2	3	
41958	Rock	12	36	0.22	43	0.021	<1	0.82	0.033	0.30	0.4	0.03	3.1	0.1	0.90	8	4.9	0.6	2722	
41959	Rock	10	23	0.18	41	0.028	<1	0.59	0.030	0.23	0.3	<0.01	2.4	<0.1	0.90	4	3.0	0.6	2554	
41960	Rock	15	50	0.68	103	0.195	1	1.02	0.118	0.35	0.2	<0.01	2.5	0.1	0.35	4	0.9	0.3	12	
41961	Rock	15	43	0.43	37	0.076	1	0.98	0.058	0.22	0.4	<0.01	4.0	0.2	0.80	5	1.1	0.4	172	
41962	Rock	2	28	0.20	10	0.003	<1	0.45	0.003	0.07	0.9	<0.01	1.7	<0.1	9.39	4	39.9	13.1	369	
41963	Rock	2	26	0.15	41	0.036	<1	0.32	0.003	0.11	10.9	<0.01	2.2	<0.1	1.03	5	15.9	7.1	539	
41964	Rock	<1	12	0.07	22	0.004	<1	0.21	0.003	0.08	0.2	<0.01	1.0	<0.1	1.42	3	11.4	2.8	48	



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Acme Analytical Laboratories (Vancouver) Ltd.

**Client:**

Ryan Gold Corp.

600 - 666 Burrard St

Vancouver BC V6C 1H2 Canada

## Project

Kluane

Report Date: August 11, 2011

August 11, 2011

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Page: 1 of 2 Part 1

## QUALITY CONTROL REPORT

WHI11000577.1

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Project: Kluane  
Report Date: August 11, 2011

Page: 1 of 2 Part 2

## QUALITY CONTROL REPORT

WHI11000577.1

Method	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	3B		
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	2
Pulp Duplicates																			
40661	Rock	7	3	0.11	57	0.002	1	0.33	0.023	0.12	<0.1	<0.01	0.4	<0.1	<0.05	1	0.8	<0.2	2
REP 40661	QC																		4
41961	Rock	15	43	0.43	37	0.076	1	0.98	0.058	0.22	0.4	<0.01	4.0	0.2	0.80	5	1.1	0.4	172
REP 41961	QC	16	44	0.43	39	0.079	1	0.98	0.059	0.22	0.3	<0.01	4.2	0.1	0.77	5	0.9	0.3	
Core Reject Duplicates																			
40659	Rock	21	28	0.64	27	0.019	2	1.24	0.054	0.05	<0.1	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2	14
DUP 40659	QC	19	26	0.62	26	0.018	2	1.18	0.055	0.05	<0.1	0.02	2.3	<0.1	<0.05	3	0.6	<0.2	7
Reference Materials																			
STD DS8	Standard	14	104	0.58	268	0.103	2	0.89	0.084	0.39	2.8	0.22	2.0	5.0	0.15	5	6.0	4.5	
STD DS8	Standard	15	119	0.64	279	0.121	3	0.95	0.091	0.41	3.0	0.21	2.0	5.7	0.17	5	5.2	4.9	
STD DS8	Standard	15	121	0.64	281	0.120	4	0.97	0.092	0.42	3.1	0.21	2.3	5.6	0.16	5	5.1	5.0	
STD DS8	Standard	14	117	0.61	258	0.118	3	0.90	0.083	0.41	2.9	0.21	2.2	5.4	0.16	4	5.4	5.3	
STD OXC88	Standard																	196	
STD OXC88	Standard																	204	
STD OXC88	Standard																	197	
STD OXH82	Standard																	1303	
STD OXH82	Standard																	1299	
STD OXC88 Expected																		203	
STD OXH82 Expected																		1278	
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5	
BLK	Blank																	<2	
BLK	Blank																	<2	
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank																	<2	
BLK	Blank																	<2	
BLK	Blank																	<2	
BLK	Blank																	<2	



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## Project

Kluane

Report Date: August 11, 2011

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Page: 2 of 2 Part

# QUALITY CONTROL REPORT

WHI11000577.1



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Project: Kluane  
Report Date: August 11, 2011

Page: 2 of 2 Part 2

## QUALITY CONTROL REPORT

WHI11000577.1

		1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	1DX30	3B	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Au
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
Prep Wash																			
G1	Prep Blank	12	9	0.57	218	0.136	2	1.12	0.122	0.50	<0.1	<0.01	2.4	0.3	<0.05	5	<0.5	<0.2	<2
G1	Prep Blank	10	15	0.62	231	0.127	<1	1.03	0.085	0.48	<0.1	<0.01	2.2	0.3	<0.05	5	<0.5	<0.2	<2



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Submitted By: Mike Skead  
Receiving Lab: Canada-Smithers  
Received: August 15, 2011  
Report Date: August 25, 2011  
Page: 1 of 13

## CERTIFICATE OF ANALYSIS

WHI11000976.1

### CLIENT JOB INFORMATION

Project: VNS  
Shipment ID: VNS2011-01  
P.O. Number  
Number of Samples: 338

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Code					
SS80	338	Dry at 60C sieve 100g to -80 mesh			SMI
Dry at 60C	338	Dry at 60C			SMI
IDX2	338	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

### SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days  
DISP-RJT-SOIL Immediate Disposal of Soil Reject

### ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Ryan Gold Corp.  
600 - 666 Burrard St.  
Vancouver BC V6C 1H2  
Canada

CC: Ian Gendall



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. \*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: VNS

Report Date: August 25, 2011

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Page: 2 of 13 Part 1

## CERTIFICATE OF ANALYSIS

WHI11000976.1

Method	Analyte	1DX15																			
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
		ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%								
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
MDL																					
1081357	Soil	0.9	31.6	7.1	68	<0.1	30.1	11.2	396	2.69	7.4	0.6	2.9	2.9	0.2	0.4	0.2	65	0.35	0.089	
1086095	Soil	2.8	37.4	17.6	89	0.3	22.1	12.5	1158	3.72	12.1	0.9	2.4	0.8	23	0.5	1.0	0.3	83	0.17	0.059
1086094	Soil	6.2	42.1	33.5	110	0.3	37.1	16.2	807	3.61	17.6	1.6	6.6	3.0	21	0.6	1.0	0.3	71	0.24	0.055
1086093	Soil	1.9	34.4	13.9	95	<0.1	36.1	16.2	905	3.34	14.0	1.1	7.6	2.5	23	0.4	0.8	0.2	75	0.33	0.097
1086096	Soil	9.9	39.6	96.0	177	0.3	23.5	9.4	728	3.53	42.2	6.8	5.9	10.6	21	0.4	2.6	0.3	40	0.20	0.069
1081352	Soil	1.7	35.7	20.9	101	0.2	27.7	13.6	948	3.19	53.0	1.4	3.8	1.7	26	0.4	0.8	0.2	61	0.30	0.065
1081351	Soil	3.2	36.0	14.7	82	0.1	24.7	13.9	874	3.21	13.4	1.0	4.1	0.3	23	0.3	1.1	0.2	69	0.20	0.075
1081354	Soil	1.4	24.8	15.5	76	0.1	31.5	12.0	631	2.94	32.3	0.9	7.3	3.0	17	0.3	0.6	0.2	62	0.20	0.029
1086100	Soil	2.1	36.1	16.2	78	0.1	27.6	13.7	650	3.17	14.5	1.0	9.8	1.0	22	0.4	0.8	0.2	62	0.26	0.085
1081355	Soil	1.3	27.3	11.7	76	0.1	29.0	12.5	622	3.08	10.9	0.8	7.0	1.8	25	0.3	0.6	0.1	66	0.30	0.065
1086099	Soil	2.4	39.6	23.1	105	0.2	31.9	17.0	1054	3.80	85.8	1.4	5.9	1.0	22	0.4	1.0	0.3	71	0.22	0.078
1081363	Soil	1.2	18.3	11.8	60	0.1	16.6	9.7	608	2.63	7.5	0.7	2.9	2.3	25	0.1	0.4	0.2	48	0.41	0.105
1081353	Soil	1.6	31.9	25.1	97	<0.1	28.2	14.7	1081	3.27	30.8	1.3	12.8	2.2	18	0.4	1.0	0.2	64	0.20	0.062
1081364	Soil	1.6	22.4	17.9	65	0.2	15.5	13.9	1297	3.36	8.7	1.1	1.2	1.1	29	0.2	0.6	0.2	39	0.41	0.106
1081366	Soil	1.2	22.8	25.9	79	<0.1	24.6	10.6	701	3.01	10.5	0.9	3.0	1.9	16	0.4	0.8	0.3	54	0.19	0.046
1081358	Soil	3.9	37.1	13.2	83	<0.1	26.1	10.7	393	3.91	13.4	0.8	3.7	1.2	20	0.2	1.3	0.3	97	0.16	0.048
1081356	Soil	0.9	28.7	10.1	71	<0.1	26.6	13.1	513	2.88	8.8	0.6	3.0	2.4	20	0.4	0.5	0.2	63	0.22	0.037
1081365	Soil	1.7	23.6	15.3	65	0.1	20.3	10.3	683	3.06	8.0	0.9	4.7	1.3	23	0.2	0.8	0.2	55	0.28	0.063
1081359	Soil	0.7	25.8	10.8	64	<0.1	27.0	10.7	430	2.47	7.8	0.6	2.7	2.5	18	0.2	0.4	0.2	57	0.22	0.032
1081360	Soil	2.2	29.9	18.5	91	<0.1	25.1	13.0	803	3.09	10.7	1.0	5.6	1.1	20	0.4	0.8	0.3	63	0.26	0.069
1081361	Soil	3.1	31.3	27.1	82	0.1	26.0	11.6	755	2.94	10.3	2.1	12.9	2.1	24	0.3	0.9	0.3	58	0.28	0.058
1081362	Soil	1.0	35.1	10.4	49	0.1	10.5	8.5	568	2.13	4.0	1.0	2.3	1.3	36	0.2	0.6	0.1	42	0.48	0.095
1086088	Soil	1.6	22.4	10.3	57	0.3	13.9	6.3	189	1.94	12.2	0.5	1.7	0.7	27	1.3	0.5	0.2	53	0.21	0.032
1081369	Soil	3.7	33.4	17.4	65	0.2	25.6	10.1	336	3.28	17.3	0.9	5.3	1.0	25	0.3	1.3	0.3	86	0.21	0.047
1086098	Soil	3.3	33.1	17.4	66	0.1	26.7	10.5	379	3.33	17.5	0.8	4.6	1.2	25	0.2	1.2	0.3	82	0.22	0.046
1081367	Soil	4.5	58.5	76.7	154	0.5	29.6	9.6	358	4.43	27.9	2.3	7.4	4.8	22	0.7	1.1	0.6	75	0.18	0.076
1086085	Soil	3.7	47.8	186.5	247	0.5	30.3	10.9	638	3.99	34.2	1.8	3.4	2.8	18	1.0	1.1	0.4	66	0.18	0.066
1081368	Soil	11.5	185.4	50.4	931	2.9	69.5	17.5	2137	5.69	39.8	5.0	4.3	3.6	41	8.9	2.2	1.6	130	0.46	0.143
1086097	Soil	7.0	65.1	20.1	86	0.7	29.7	11.1	428	4.37	23.8	1.5	6.3	0.6	34	0.5	1.5	0.3	85	0.20	0.072
1086084	Soil	3.1	94.0	23.2	171	0.6	50.8	16.0	1183	4.82	38.1	2.2	3.6	3.5	19	0.9	2.1	0.6	82	0.16	0.069

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Project: VNS  
Report Date: August 25, 2011

Page: 2 of 13 Part 2

## CERTIFICATE OF ANALYSIS

WHI11000976.1

Method	Analyte	1DX15																	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1081357	Soil	13	37	0.65	89	0.113	3	1.80	0.015	0.07	0.2	0.01	3.1	<0.1	<0.05	5	0.9	<0.2	
1086095	Soil	10	30	0.41	116	0.070	3	1.64	0.011	0.05	<0.1	0.02	1.7	<0.1	0.05	8	1.1	<0.2	
1086094	Soil	29	41	0.73	93	0.082	4	2.31	0.013	0.07	0.2	0.03	2.9	0.2	<0.05	7	0.8	<0.2	
1086093	Soil	16	39	0.63	107	0.091	3	1.98	0.012	0.07	0.3	0.02	2.6	0.1	<0.05	6	1.0	<0.2	
1086096	Soil	24	23	0.46	88	0.023	2	1.43	0.017	0.08	0.2	0.03	1.5	0.2	0.09	5	1.0	<0.2	
1081352	Soil	18	33	0.59	103	0.048	3	1.96	0.012	0.06	0.1	0.05	2.1	0.1	0.06	5	0.9	<0.2	
1081351	Soil	11	32	0.47	133	0.036	3	1.86	0.010	0.05	0.1	0.06	1.3	0.1	0.08	6	0.7	<0.2	
1081354	Soil	15	32	0.58	145	0.086	2	1.87	0.013	0.07	0.2	0.03	2.7	0.1	<0.05	5	0.9	<0.2	
1086100	Soil	17	34	0.56	90	0.055	3	2.20	0.011	0.06	0.1	0.08	2.0	0.1	0.07	6	1.1	<0.2	
1081355	Soil	15	39	0.71	119	0.083	3	2.21	0.016	0.08	0.1	0.03	2.9	0.1	<0.05	6	0.8	<0.2	
1086099	Soil	20	38	0.68	117	0.044	2	2.06	0.012	0.07	0.1	0.04	2.0	0.1	0.06	7	0.9	<0.2	
1081363	Soil	15	21	0.49	144	0.058	2	1.31	0.016	0.09	<0.1	0.03	2.2	0.1	<0.05	4	1.0	<0.2	
1081353	Soil	29	35	0.58	120	0.053	3	1.99	0.012	0.07	0.1	0.03	2.1	0.1	<0.05	7	0.9	<0.2	
1081364	Soil	17	19	0.53	221	0.021	1	1.80	0.011	0.11	<0.1	0.03	2.4	0.2	0.05	4	0.7	<0.2	
1081366	Soil	19	28	0.52	89	0.064	2	1.61	0.009	0.11	0.1	0.03	2.1	0.1	<0.05	5	1.2	<0.2	
1081358	Soil	11	35	0.47	113	0.082	1	1.81	0.009	0.05	<0.1	0.05	2.6	0.1	<0.05	10	0.7	<0.2	
1081356	Soil	11	36	0.63	84	0.098	2	2.17	0.013	0.07	0.1	0.02	2.9	<0.1	<0.05	6	1.1	<0.2	
1081365	Soil	17	25	0.52	202	0.051	1	1.68	0.012	0.09	<0.1	0.02	2.3	0.1	<0.05	6	0.9	<0.2	
1081359	Soil	11	34	0.58	94	0.099	2	2.23	0.013	0.06	0.2	0.04	2.7	<0.1	<0.05	5	0.7	<0.2	
1081360	Soil	15	31	0.55	95	0.055	3	1.84	0.014	0.08	0.1	0.05	2.0	0.2	0.06	7	1.0	<0.2	
1081361	Soil	23	30	0.50	87	0.055	2	1.63	0.014	0.08	0.2	0.05	2.2	0.1	<0.05	6	0.9	<0.2	
1081362	Soil	24	13	0.34	201	0.034	<1	1.05	0.022	0.07	<0.1	0.02	2.3	<0.1	0.05	4	0.6	<0.2	
1086088	Soil	6	15	0.23	113	0.066	<1	0.81	0.020	0.04	<0.1	0.03	1.1	<0.1	<0.05	4	0.6	0.2	
1081369	Soil	14	32	0.43	250	0.051	<1	1.75	0.010	0.05	<0.1	0.03	2.5	0.1	<0.05	8	0.9	<0.2	
1086098	Soil	14	31	0.44	243	0.050	<1	1.69	0.009	0.05	0.1	0.04	2.4	0.1	<0.05	8	0.7	<0.2	
1081367	Soil	14	33	0.48	143	0.057	1	1.96	0.020	0.12	0.2	0.05	2.2	0.1	0.21	7	1.6	0.3	
1086085	Soil	16	35	0.53	128	0.059	<1	1.89	0.009	0.11	0.1	0.05	2.3	0.2	0.06	6	2.3	<0.2	
1081368	Soil	26	42	0.89	239	0.053	1	2.31	0.013	0.10	0.1	0.06	4.9	0.3	0.07	8	2.3	0.6	
1086097	Soil	16	41	0.54	146	0.033	<1	2.03	0.012	0.10	<0.1	0.14	1.8	0.2	0.10	9	3.4	0.2	
1086084	Soil	15	38	0.62	121	0.055	<1	2.21	0.009	0.11	0.1	0.04	3.1	0.2	<0.05	7	1.5	0.3	

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## Acme Analytical Laboratories (Vancouver) Ltd.

**Client:**

Ryan Gold Corp.

600 - 666 Burrard St

Vancouver BC V6C 1H2 Canada

Project: VNS

Report Date: August 25, 2011

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Page: 3 of 13 Part

## CERTIFICATE OF ANALYSIS

WHI11000976.1

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Project: VNS  
Report Date: August 25, 2011

Page: 3 of 13 Part 2

## CERTIFICATE OF ANALYSIS

WHI11000976.1

Method	Analyte	1DX15																	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1086087	Soil	15	36	0.50	189	0.078	<1	2.39	0.024	0.21	0.2	0.05	3.4	0.3	0.30	9	2.8	0.2	
1086086	Soil	13	47	0.63	150	0.099	<1	2.94	0.010	0.07	0.1	0.05	3.4	0.2	<0.05	10	1.3	<0.2	
1081119	Soil	14	25	0.43	81	0.049	<1	1.82	0.017	0.07	0.1	0.03	1.7	0.1	<0.05	7	1.0	<0.2	
1081113	Soil	17	28	0.58	95	0.064	1	2.08	0.012	0.12	0.3	0.03	2.2	0.2	<0.05	7	0.6	<0.2	
1081116	Soil	21	24	0.71	131	0.080	<1	1.67	0.034	0.09	<0.1	0.03	2.5	0.1	<0.05	5	0.9	<0.2	
1081117	Soil	31	31	0.54	112	0.043	<1	1.92	0.014	0.10	0.2	0.04	2.4	0.2	<0.05	5	0.7	<0.2	
1081120	Soil	13	30	0.38	98	0.044	<1	1.48	0.010	0.07	0.1	0.04	1.5	0.1	0.10	7	<0.5	<0.2	
1081115	Soil	17	26	0.35	104	0.019	<1	1.62	0.008	0.09	<0.1	0.03	1.3	0.1	0.09	5	<0.5	<0.2	
1081121	Soil	13	32	0.45	91	0.039	1	1.68	0.009	0.07	0.2	0.03	1.9	0.1	0.06	8	<0.5	<0.2	
1081111	Soil	33	31	0.84	110	0.008	1	1.90	0.007	0.10	<0.1	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2	
1081118	Soil	16	24	0.48	136	0.018	<1	1.74	0.009	0.11	0.1	0.02	1.4	0.1	0.06	6	<0.5	<0.2	
1081114	Soil	5	17	0.25	87	0.047	<1	0.74	0.016	0.06	0.1	0.03	0.7	<0.1	0.07	3	<0.5	<0.2	
1081110	Soil	33	34	0.86	113	0.011	<1	2.06	0.008	0.11	<0.1	0.02	2.7	0.1	<0.05	6	<0.5	<0.2	
1081112	Soil	13	26	0.41	96	0.034	2	1.55	0.009	0.09	0.1	0.06	1.4	0.1	0.07	6	<0.5	<0.2	
1081101	Soil	22	35	0.52	83	0.028	<1	2.01	0.008	0.09	0.2	0.02	1.9	0.2	<0.05	6	<0.5	<0.2	
1081102	Soil	20	27	0.43	88	0.019	<1	2.10	0.007	0.11	0.1	0.03	2.6	0.2	<0.05	5	0.6	<0.2	
1086090	Soil	12	35	0.58	80	0.080	2	1.85	0.011	0.08	0.2	0.02	2.6	0.1	<0.05	5	<0.5	<0.2	
1086089	Soil	20	53	0.96	105	0.093	3	2.27	0.011	0.14	0.2	0.04	2.4	0.2	<0.05	9	<0.5	<0.2	
1081105	Soil	9	37	0.53	70	0.047	2	2.23	0.008	0.10	<0.1	0.06	2.0	0.1	<0.05	8	<0.5	<0.2	
1081103	Soil	13	21	0.30	71	0.015	<1	1.55	0.007	0.09	0.2	0.04	1.4	0.2	<0.05	4	<0.5	<0.2	
1081106	Soil	13	33	0.47	59	0.058	<1	2.05	0.007	0.09	0.1	0.03	2.1	0.1	<0.05	8	<0.5	<0.2	
1081104	Soil	11	28	0.44	118	0.040	<1	1.84	0.010	0.10	0.2	0.03	1.8	0.2	<0.05	6	<0.5	<0.2	
1081107	Soil	13	35	0.47	60	0.068	1	2.03	0.007	0.09	<0.1	0.03	2.1	0.1	<0.05	8	<0.5	<0.2	
1086092	Soil	19	26	0.41	77	0.030	1	2.13	0.009	0.12	0.2	0.04	1.6	0.2	<0.05	7	0.5	<0.2	
1086091	Soil	17	31	0.48	97	0.047	1	2.75	0.011	0.11	0.1	0.04	2.0	0.2	<0.05	7	<0.5	<0.2	
1081122	Soil	14	30	0.50	89	0.045	1	1.64	0.009	0.12	0.1	0.02	2.1	0.1	<0.05	6	<0.5	<0.2	
1081128	Soil	13	32	0.46	75	0.035	2	1.73	0.008	0.09	0.1	0.07	1.3	0.2	<0.05	7	<0.5	<0.2	
1081127	Soil	11	35	0.50	83	0.042	<1	1.73	0.008	0.08	0.1	0.06	1.7	0.1	<0.05	6	<0.5	<0.2	
1081125	Soil	9	30	0.33	65	0.051	<1	1.51	0.007	0.06	0.1	0.06	1.7	0.1	<0.05	8	<0.5	<0.2	
1081123	Soil	9	29	0.30	82	0.052	<1	1.38	0.007	0.06	0.1	0.03	1.5	0.1	<0.05	8	<0.5	<0.2	

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Page: 4 of 13 Part 1

## CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15																		
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		Unit	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%							
		MDL	0.1	0.1	0.1	1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1081124	Soil	1.4	24.0	12.2	78	<0.1	26.4	12.4	426	2.70	9.4	0.6	2.3	2.9	16	0.2	0.6	0.2	51	0.24 0.056
1081130	Soil	2.8	29.9	12.2	62	0.1	19.5	7.8	328	2.45	8.1	0.8	1.6	0.2	16	0.2	0.9	0.2	61	0.15 0.089
1081126	Soil	5.7	22.3	16.0	68	<0.1	19.8	9.2	386	3.47	8.9	0.8	3.5	1.2	22	0.2	0.7	0.7	56	0.13 0.051
1081132	Soil	2.9	31.0	37.9	126	0.2	26.1	14.3	1027	3.13	10.8	1.2	3.8	1.9	22	0.5	0.9	0.3	51	0.23 0.059
1081129	Soil	3.7	33.0	14.2	67	<0.1	20.2	7.5	278	2.61	10.1	0.7	3.9	0.2	15	0.2	1.0	0.3	63	0.14 0.071
1081133	Soil	2.3	30.5	32.2	101	<0.1	23.7	12.8	1198	3.11	9.7	1.0	0.9	1.4	19	0.4	0.9	0.3	45	0.19 0.089
1081131	Soil	1.5	29.2	30.4	106	<0.1	22.5	12.0	965	3.02	8.6	0.9	5.1	1.7	19	0.4	0.7	0.4	49	0.17 0.063
1081178	Soil	1.8	31.8	11.2	71	<0.1	28.9	11.9	531	3.34	10.4	0.7	2.4	1.0	15	0.2	0.7	0.1	71	0.16 0.046
1081179	Soil	3.0	31.1	28.1	85	0.1	20.8	18.2	1155	4.22	7.5	0.8	3.6	1.6	14	0.4	0.6	0.2	63	0.13 0.079
1081180	Soil	0.9	26.5	11.1	61	<0.1	25.8	11.1	514	2.67	6.4	0.6	1.8	2.2	14	0.1	0.4	0.1	57	0.18 0.038
1081185	Soil	0.4	12.8	3.9	30	<0.1	6.2	4.4	149	1.07	1.5	0.3	1.5	0.4	12	<0.1	0.2	<0.1	33	0.13 0.038
1081184	Soil	1.1	21.4	10.3	67	<0.1	20.9	10.2	565	2.36	5.3	0.8	4.3	2.3	16	0.4	0.4	0.1	47	0.21 0.075
1081186	Soil	1.0	24.1	24.7	73	<0.1	22.7	10.1	614	2.61	6.7	1.1	2.7	2.8	15	0.3	0.6	0.2	59	0.15 0.044
1081187	Soil	1.3	38.4	9.9	85	<0.1	29.7	12.6	574	2.85	9.1	1.0	7.9	2.8	19	0.3	0.7	0.2	64	0.25 0.077
1081188	Soil	2.5	30.6	21.2	90	<0.1	25.3	12.0	790	3.23	11.3	1.0	2.1	1.1	14	0.3	1.0	0.3	63	0.11 0.057
1083151	Soil	1.5	23.5	8.7	51	<0.1	11.8	5.3	222	2.04	5.0	0.5	1.0	0.2	13	0.2	0.7	0.2	55	0.10 0.065
1081193	Soil	1.9	26.6	19.6	85	0.3	18.8	20.6	1330	3.60	9.2	0.9	3.2	1.8	30	0.3	0.8	0.2	36	0.18 0.106
1081192	Soil	2.3	33.1	15.0	73	0.3	18.4	23.9	3862	3.59	6.2	1.0	3.1	1.6	42	0.5	0.6	0.2	61	0.57 0.103
1081197	Soil	2.0	27.7	22.3	69	<0.1	22.8	11.4	631	3.05	9.2	0.8	2.9	1.7	16	0.3	0.8	0.2	61	0.15 0.051
1081191	Soil	2.9	24.0	12.4	56	0.2	16.3	25.5	898	3.93	9.9	1.1	3.2	2.5	94	0.2	0.4	0.1	33	0.15 0.142
1081190	Soil	1.3	30.3	11.2	60	0.2	23.0	10.5	769	2.65	8.5	1.5	1.6	1.5	60	0.2	0.6	0.2	51	0.51 0.062
1081200	Soil	1.5	27.3	21.5	72	<0.1	23.3	14.9	797	3.01	11.8	1.0	2.1	1.8	14	0.3	0.7	0.3	53	0.13 0.065
1081195	Soil	1.6	17.7	12.5	46	0.1	8.6	7.0	439	5.00	6.3	0.6	1.3	1.6	140	0.1	0.3	0.1	29	0.21 0.131
1081199	Soil	1.8	24.4	14.3	72	<0.1	18.0	8.9	539	3.01	10.0	0.6	2.7	0.8	15	0.2	0.8	0.3	59	0.14 0.049
1081196	Soil	1.9	10.2	15.8	26	<0.1	2.6	2.5	197	4.90	5.6	0.5	0.9	2.6	132	<0.1	0.4	<0.1	14	0.11 0.116
1081181	Soil	3.0	35.2	15.9	95	<0.1	28.4	12.6	715	3.63	13.2	0.9	3.5	0.8	14	0.2	1.3	0.3	72	0.11 0.058
1081198	Soil	1.2	23.2	16.2	58	0.2	14.4	8.2	462	2.44	8.5	1.0	1.5	1.0	19	0.2	0.5	0.2	55	0.20 0.078
1081182	Soil	2.1	25.9	14.5	74	<0.1	22.6	9.9	564	2.67	9.0	1.1	5.4	1.6	14	0.2	0.8	0.2	53	0.14 0.049
1081189	Soil	1.0	27.0	9.9	56	<0.1	19.2	9.2	500	2.42	6.7	0.8	1.7	1.2	20	0.1	0.6	0.2	54	0.20 0.051
1081183	Soil	1.8	26.9	11.6	71	<0.1	23.6	9.0	390	3.13	9.3	0.7	3.4	1.0	15	0.2	0.9	0.3	68	0.13 0.042

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Page: 4 of 13 Part 2

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Method	Analyte	1DX15																	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1081124	Soil	11	29	0.52	87	0.086	<1	1.65	0.011	0.08	0.2	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2	
1081130	Soil	13	23	0.20	70	0.029	2	0.94	0.012	0.09	0.2	0.06	1.0	0.1	0.09	5	<0.5	<0.2	
1081126	Soil	15	26	0.37	77	0.042	<1	1.38	0.012	0.11	0.1	0.03	1.6	0.1	0.12	6	<0.5	0.2	
1081132	Soil	22	30	0.51	72	0.028	<1	1.68	0.009	0.09	0.2	0.03	1.9	0.2	0.06	6	<0.5	<0.2	
1081129	Soil	11	25	0.19	76	0.021	<1	1.24	0.006	0.07	<0.1	0.05	0.9	0.1	0.07	6	<0.5	<0.2	
1081133	Soil	19	27	0.45	74	0.026	<1	1.55	0.011	0.11	<0.1	0.04	1.4	0.1	0.10	6	0.5	<0.2	
1081131	Soil	22	26	0.46	76	0.029	2	1.60	0.011	0.11	0.1	0.04	1.6	0.2	0.07	6	<0.5	<0.2	
1081178	Soil	12	42	0.55	80	0.060	<1	1.97	0.009	0.05	0.2	0.05	2.2	<0.1	<0.05	6	<0.5	<0.2	
1081179	Soil	24	74	0.56	121	0.005	<1	2.16	0.007	0.09	<0.1	0.04	3.8	0.1	0.06	6	<0.5	<0.2	
1081180	Soil	11	33	0.47	81	0.086	1	1.70	0.009	0.06	0.1	0.03	2.2	<0.1	<0.05	5	<0.5	<0.2	
1081185	Soil	4	8	0.17	29	0.044	<1	0.50	0.016	0.03	<0.1	0.02	0.6	<0.1	<0.05	3	<0.5	<0.2	
1081184	Soil	17	25	0.43	84	0.052	<1	1.50	0.011	0.07	0.2	0.03	1.9	0.1	<0.05	4	<0.5	<0.2	
1081186	Soil	21	29	0.46	88	0.082	2	2.03	0.011	0.05	0.2	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2	
1081187	Soil	14	35	0.59	91	0.092	2	1.74	0.013	0.06	0.2	0.05	2.6	0.1	<0.05	5	<0.5	<0.2	
1081188	Soil	13	32	0.52	100	0.037	1	1.74	0.009	0.07	0.1	0.03	1.7	0.1	0.05	6	<0.5	<0.2	
1083151	Soil	5	15	0.19	66	0.038	2	0.73	0.011	0.04	<0.1	0.05	0.7	<0.1	0.09	4	<0.5	<0.2	
1081193	Soil	13	19	0.40	276	0.005	<1	2.23	0.014	0.07	<0.1	0.03	2.0	0.1	0.09	4	<0.5	<0.2	
1081192	Soil	30	28	0.72	579	0.014	<1	2.30	0.029	0.08	<0.1	0.05	7.7	0.1	0.10	7	0.6	<0.2	
1081197	Soil	15	30	0.50	80	0.067	2	1.59	0.011	0.07	0.2	0.04	1.9	<0.1	0.06	6	<0.5	<0.2	
1081191	Soil	9	15	0.37	310	0.031	<1	1.90	0.098	0.09	0.1	0.26	2.7	0.4	0.40	4	0.7	0.7	
1081190	Soil	10	27	0.63	169	0.067	2	1.99	0.018	0.08	0.3	0.05	3.1	<0.1	0.05	5	0.6	<0.2	
1081200	Soil	20	31	0.56	103	0.046	1	2.03	0.009	0.08	0.1	0.05	2.1	0.1	0.07	6	<0.5	<0.2	
1081195	Soil	8	12	0.22	312	0.004	<1	1.87	0.134	0.22	<0.1	0.17	1.6	0.3	0.78	5	1.0	0.6	
1081199	Soil	9	24	0.39	80	0.058	1	1.29	0.010	0.06	0.1	0.03	1.4	<0.1	0.06	6	<0.5	<0.2	
1081196	Soil	17	4	0.08	167	0.002	<1	0.94	0.167	0.34	<0.1	0.17	1.2	0.3	1.10	3	<0.5	0.8	
1081181	Soil	10	34	0.57	99	0.052	1	2.12	0.008	0.05	0.1	0.05	2.0	0.1	0.06	8	0.5	<0.2	
1081198	Soil	29	20	0.36	72	0.056	1	1.32	0.019	0.06	0.1	0.04	1.5	<0.1	<0.05	5	0.5	<0.2	
1081182	Soil	16	29	0.46	77	0.055	1	1.86	0.010	0.06	0.1	0.04	2.0	0.1	<0.05	5	0.5	<0.2	
1081189	Soil	9	25	0.46	99	0.056	1	1.39	0.011	0.05	<0.1	0.03	1.6	<0.1	<0.05	5	<0.5	<0.2	
1081183	Soil	11	32	0.52	80	0.065	1	1.80	0.009	0.05	0.2	0.03	2.0	0.1	<0.05	6	0.6	<0.2	

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## Acme Analytical Laboratories (Vancouver) Ltd.

## **Client:**

Ryan Gold Corp.

600 - 666 Burrard St

Vancouver BC V6C 1H2 Canada

Project: VNS

Report Date: August 25, 2011

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Page: 5 of 13 Part 1

## CERTIFICATE OF ANALYSIS

WHI11000976.1

Method	Analyte	1DX15																			
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
		Unit	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%								
		MDL	0.1	0.1	0.1	1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1086285	Soil	2.9	39.4	23.3	112	0.2	37.4	18.9	1265	4.11	14.5	1.0	2.5	1.2	24	0.5	1.2	0.3	69	0.22	0.072
1083153	Soil	1.1	21.1	17.0	65	<0.1	21.3	9.3	479	2.81	8.2	0.6	2.4	2.2	14	0.2	0.6	0.3	54	0.15	0.031
1086284	Soil	1.8	31.9	13.1	87	<0.1	29.3	13.2	661	3.24	9.7	0.7	3.7	1.4	17	0.2	0.8	0.2	65	0.17	0.040
1086278	Soil	2.0	37.1	12.3	68	<0.1	23.6	10.0	410	2.80	9.4	0.6	2.8	1.2	20	0.2	0.8	0.2	60	0.20	0.055
1086279	Soil	1.7	23.5	15.6	76	<0.1	20.9	9.9	617	3.10	8.0	0.7	1.9	1.7	14	0.1	0.5	0.2	58	0.15	0.037
1086280	Soil	1.7	23.1	14.3	78	<0.1	21.1	9.6	633	3.10	7.6	0.7	4.9	1.7	13	0.2	0.5	0.2	64	0.15	0.035
1086286	Soil	3.5	28.7	17.2	99	0.2	23.7	9.9	649	3.68	11.4	0.8	2.4	1.1	16	0.4	1.3	0.3	83	0.13	0.049
1086287	Soil	2.8	31.4	28.0	123	0.2	26.3	13.5	1142	3.58	10.7	1.0	2.6	0.4	23	0.4	1.1	0.3	63	0.19	0.111
1086288	Soil	1.2	24.1	28.8	90	0.1	21.8	8.1	363	3.42	9.0	0.7	3.3	2.0	15	0.3	0.6	0.2	58	0.16	0.042
1086281	Soil	0.2	16.9	0.8	27	<0.1	4.0	4.9	146	1.63	0.7	0.1	<0.5	0.2	13	<0.1	<0.1	<0.1	57	0.21	0.079
1086282	Soil	1.6	27.7	17.9	87	0.1	30.8	15.0	850	3.44	11.6	0.8	1.9	1.4	19	0.3	0.7	0.3	64	0.20	0.063
1086283	Soil	2.9	27.6	14.5	81	0.2	22.1	11.2	723	3.30	12.0	0.8	2.5	0.8	16	0.3	1.1	0.3	71	0.12	0.074
1086289	Soil	0.8	32.6	23.2	64	0.2	26.7	11.1	608	2.71	6.5	0.8	4.7	3.2	17	0.4	0.5	0.2	59	0.20	0.044
1083155	Soil	2.4	24.5	20.7	74	0.2	19.3	8.9	516	2.77	7.9	1.0	1.8	1.6	21	0.2	0.7	0.3	54	0.23	0.059
1083156	Soil	1.0	20.7	21.6	72	0.1	16.4	9.2	638	2.49	6.8	0.9	1.8	1.4	17	0.5	0.5	0.3	45	0.18	0.073
1086290	Soil	0.9	33.4	23.5	63	0.2	27.8	11.4	620	2.80	7.0	0.7	5.2	3.1	17	0.4	0.4	0.2	62	0.21	0.048
1081177	Soil	2.3	16.7	15.6	55	0.1	9.4	6.8	345	2.28	6.7	0.6	3.2	1.6	19	0.3	0.4	0.2	46	0.16	0.033
1081174	Soil	10.0	132.6	26.6	89	0.8	19.5	8.9	285	2.48	10.3	0.9	4.3	3.6	23	0.5	0.5	0.2	57	0.27	0.031
1083158	Soil	3.7	27.8	15.3	66	0.2	18.7	7.2	295	2.73	9.4	0.6	4.6	0.6	15	0.2	1.0	0.3	75	0.14	0.050
1086294	Soil	2.1	39.3	9.7	76	<0.1	19.7	11.9	564	3.70	28.1	0.7	1.9	1.4	16	0.2	1.2	0.2	64	0.18	0.057
1086295	Soil	1.6	38.6	11.1	82	0.2	13.2	10.6	1030	2.54	6.9	0.4	4.4	0.8	18	0.5	0.6	0.2	58	0.20	0.052
1081168	Soil	4.0	48.1	91.5	239	0.8	22.1	17.0	799	4.49	18.0	0.6	1.6	1.7	25	1.3	1.2	0.6	81	0.23	0.053
1086300	Soil	3.1	34.1	19.0	83	0.2	26.4	10.1	383	3.61	10.9	1.0	1.9	2.6	14	0.2	0.6	0.3	74	0.16	0.031
1083154	Soil	1.9	25.8	12.5	78	0.1	16.7	11.5	848	3.38	7.2	0.7	2.3	0.9	24	0.3	0.6	0.2	73	0.30	0.098
1083152	Soil	3.2	30.1	15.4	76	<0.1	21.7	9.0	490	3.86	12.9	0.6	3.0	0.8	14	0.2	1.1	0.3	82	0.13	0.052
1081171	Soil	3.0	25.7	16.2	159	0.4	26.6	19.3	673	3.90	13.4	0.5	2.1	2.0	20	0.8	0.8	0.3	88	0.18	0.042
1081172	Soil	2.6	32.0	17.4	222	0.6	29.5	17.6	579	3.90	19.5	0.8	1.1	3.5	18	1.0	0.8	0.3	85	0.17	0.035
1081173	Soil	4.1	54.0	27.0	140	0.6	25.6	13.7	531	2.93	12.5	0.8	11.7	4.2	24	1.6	0.6	0.2	67	0.29	0.038
1081176	Soil	1.3	16.4	11.6	56	<0.1	11.8	6.3	272	2.05	5.8	0.5	0.8	1.0	13	0.4	0.3	0.1	46	0.14	0.048
1081170	Soil	2.2	26.1	11.8	67	0.2	21.7	9.8	258	3.00	9.7	0.7	1.7	2.1	21	0.2	0.5	0.2	74	0.27	0.037

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Client: **Ryan Gold Corp.**  
600 - 666 Burrard St.  
Vancouver BC V6C 1H2 Canada

Project: VNS  
Report Date: August 25, 2011

Page: 5 of 13 Part 2

## CERTIFICATE OF ANALYSIS

WHI11000976.1

Method	Analyte	1DX15																	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1086285	Soil	15	41	0.70	113	0.052	1	2.33	0.011	0.08	<0.1	0.04	2.4	0.1	0.05	8	0.7	<0.2	
1083153	Soil	11	29	0.50	72	0.070	1	1.62	0.009	0.06	0.1	0.03	1.9	<0.1	<0.05	6	<0.5	<0.2	
1086284	Soil	12	31	0.55	97	0.070	2	1.98	0.009	0.05	0.2	0.03	2.1	<0.1	0.05	7	<0.5	<0.2	
1086278	Soil	9	26	0.41	91	0.058	1	1.48	0.011	0.04	0.2	0.02	1.8	<0.1	<0.05	6	<0.5	<0.2	
1086279	Soil	11	28	0.53	69	0.078	2	1.72	0.011	0.07	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2	
1086280	Soil	13	28	0.49	67	0.065	2	1.72	0.010	0.07	0.1	0.02	2.2	<0.1	<0.05	6	<0.5	<0.2	
1086286	Soil	10	30	0.45	88	0.060	<1	1.88	0.009	0.05	<0.1	0.04	2.1	0.1	<0.05	9	0.7	<0.2	
1086287	Soil	11	30	0.57	123	0.028	1	2.02	0.011	0.06	0.1	0.04	1.3	0.1	0.09	8	<0.5	<0.2	
1086288	Soil	11	28	0.50	77	0.051	<1	2.03	0.008	0.04	0.2	0.03	2.3	<0.1	<0.05	7	<0.5	<0.2	
1086281	Soil	3	5	0.09	18	0.085	<1	0.31	0.015	0.02	<0.1	0.01	0.3	<0.1	<0.05	2	<0.5	<0.2	
1086282	Soil	14	36	0.59	115	0.067	2	2.51	0.011	0.07	0.2	0.04	2.6	<0.1	<0.05	7	0.7	<0.2	
1086283	Soil	11	30	0.48	80	0.048	1	2.18	0.009	0.06	<0.1	0.04	1.7	0.1	0.07	8	0.6	<0.2	
1086289	Soil	10	32	0.53	90	0.096	1	2.36	0.013	0.05	0.2	0.03	3.5	<0.1	<0.05	5	0.5	<0.2	
1083155	Soil	13	25	0.44	96	0.058	2	1.43	0.011	0.08	0.1	0.03	2.0	<0.1	<0.05	5	0.7	<0.2	
1083156	Soil	13	21	0.41	111	0.034	<1	1.49	0.010	0.08	0.1	0.05	1.4	0.1	<0.05	5	<0.5	<0.2	
1086290	Soil	10	33	0.55	93	0.100	2	2.46	0.014	0.05	0.2	0.04	3.7	<0.1	<0.05	5	0.5	<0.2	
1081177	Soil	9	16	0.26	81	0.026	<1	1.31	0.012	0.05	0.1	0.01	1.3	<0.1	<0.05	6	<0.5	<0.2	
1081174	Soil	8	24	0.56	75	0.101	<1	1.55	0.015	0.08	0.2	0.01	2.3	0.1	<0.05	6	<0.5	<0.2	
1083158	Soil	12	24	0.25	61	0.043	<1	1.03	0.009	0.08	0.1	0.03	1.4	0.1	0.08	7	<0.5	<0.2	
1086294	Soil	13	29	0.57	158	0.016	<1	2.17	0.008	0.10	0.1	0.02	2.6	0.4	<0.05	7	<0.5	<0.2	
1086295	Soil	7	17	0.22	73	0.047	<1	1.18	0.019	0.06	0.1	0.02	1.2	<0.1	<0.05	6	<0.5	<0.2	
1081168	Soil	8	31	0.48	157	0.018	<1	2.65	0.012	0.08	0.1	0.02	2.5	0.2	<0.05	10	<0.5	<0.2	
1086300	Soil	11	32	0.56	51	0.033	<1	2.66	0.008	0.09	0.2	0.03	3.0	0.2	<0.05	8	<0.5	<0.2	
1083154	Soil	15	30	0.53	126	0.071	<1	1.52	0.013	0.06	<0.1	0.04	2.5	<0.1	0.06	8	<0.5	<0.2	
1083152	Soil	9	29	0.37	70	0.045	1	1.58	0.007	0.06	0.1	0.05	1.7	0.1	<0.05	9	<0.5	<0.2	
1081171	Soil	8	41	0.68	94	0.077	<1	2.44	0.013	0.08	0.2	0.02	2.7	0.1	<0.05	9	<0.5	<0.2	
1081172	Soil	11	45	0.72	111	0.083	<1	2.87	0.015	0.08	0.2	0.03	3.8	0.2	<0.05	9	<0.5	<0.2	
1081173	Soil	12	31	0.56	143	0.072	<1	2.06	0.015	0.10	0.2	0.03	3.0	0.1	<0.05	7	<0.5	<0.2	
1081176	Soil	8	15	0.24	81	0.035	<1	1.25	0.022	0.05	<0.1	0.03	1.2	<0.1	<0.05	4	<0.5	<0.2	
1081170	Soil	11	33	0.46	92	0.081	<1	2.00	0.015	0.07	0.1	0.03	3.1	0.1	<0.05	6	<0.5	<0.2	

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Page: 6 of 13 Part 1

## CERTIFICATE OF ANALYSIS

WHI11000976.1

Method	Analyte	1DX15																			
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
		Unit	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%								
		MDL	0.1	0.1	0.1	1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1086299	Soil	1.8	39.7	25.9	86	0.3	34.7	13.3	467	3.65	13.6	1.7	1.1	8.7	19	0.4	0.5	0.2	67	0.21	0.035
1083159	Soil	1.6	23.9	22.4	76	<0.1	21.5	9.6	646	3.08	9.3	0.7	3.6	0.9	14	0.3	0.8	0.3	59	0.16	0.058
1086293	Soil	1.8	37.9	15.0	83	<0.1	41.3	13.4	694	3.66	11.4	0.7	2.3	3.9	28	0.4	0.6	0.2	70	0.28	0.051
1081175	Soil	30.7	476.9	69.3	194	4.5	28.7	19.7	423	4.26	11.0	1.5	4.2	4.6	28	1.4	0.8	0.9	85	0.30	0.045
1081169	Soil	3.1	30.4	19.4	119	0.4	23.3	11.3	358	3.63	13.0	0.8	3.5	2.8	19	0.4	0.7	0.2	82	0.21	0.037
1083160	Soil	1.6	25.6	23.3	80	0.1	20.9	9.9	655	3.13	9.6	0.7	1.3	0.9	16	0.2	0.8	0.3	62	0.18	0.064
1083157	Soil	1.7	26.8	14.7	69	<0.1	20.3	11.3	656	3.13	7.8	0.6	3.8	1.3	27	0.1	0.6	0.2	72	0.32	0.081
1086298	Soil	0.4	11.6	3.5	25	0.4	4.1	6.2	165	1.83	1.0	0.4	<0.5	0.5	20	0.1	<0.1	<0.1	63	0.24	0.080
1086292	Soil	3.7	42.7	36.9	135	0.2	27.7	15.4	1264	3.95	12.8	0.7	1.7	1.2	30	1.2	0.8	0.3	86	0.34	0.073
1086297	Soil	3.3	25.7	27.0	104	0.2	22.9	11.4	517	3.63	11.6	0.9	2.3	1.5	24	0.8	0.7	0.4	73	0.21	0.049
1086291	Soil	3.4	34.1	49.6	95	0.3	26.1	11.9	696	3.85	12.2	0.6	1.1	1.5	17	0.5	0.9	0.2	88	0.18	0.044
1086296	Soil	0.5	14.9	2.7	26	0.1	4.9	3.9	203	1.21	1.6	0.3	<0.5	0.3	21	<0.1	0.2	<0.1	35	0.25	0.028
1081194	Soil	1.7	21.4	13.9	67	0.2	13.7	9.0	568	2.69	6.2	0.7	1.7	0.6	24	0.1	0.5	0.2	42	0.29	0.079
1001815	Soil	1.4	26.7	12.3	73	<0.1	24.6	11.9	565	2.84	7.9	0.8	3.1	2.6	14	0.4	0.5	0.1	60	0.19	0.040
1001819	Soil	1.9	37.2	17.5	90	<0.1	29.7	15.2	873	3.44	12.3	0.7	3.9	1.1	16	0.3	0.8	0.2	74	0.19	0.061
1001817	Soil	1.1	27.4	9.7	65	<0.1	28.9	12.3	474	2.76	8.0	0.7	4.0	2.5	17	0.2	0.4	0.1	61	0.23	0.035
1001820	Soil	2.5	37.8	14.9	81	0.1	25.6	11.3	568	3.71	13.1	0.8	3.7	0.6	15	0.3	1.0	0.2	73	0.15	0.076
1001822	Soil	2.2	28.8	11.9	79	<0.1	26.4	11.3	464	3.97	13.1	0.7	3.1	1.8	15	0.2	0.9	0.2	86	0.18	0.048
1001816	Soil	1.3	22.2	48.1	89	0.4	18.4	9.8	664	2.40	5.5	1.0	3.5	3.5	17	0.4	0.5	0.4	54	0.24	0.063
1001821	Soil	2.3	29.3	11.4	79	<0.1	26.6	11.0	449	3.71	12.3	0.6	3.8	1.8	15	0.3	0.8	0.2	84	0.17	0.047
1001823	Soil	3.1	28.1	14.6	85	<0.1	28.2	12.0	540	4.75	15.7	0.6	4.0	1.8	15	0.3	1.2	0.2	91	0.15	0.042
1001818	Soil	1.7	22.7	20.6	103	<0.1	26.5	11.5	564	3.20	8.5	0.7	6.8	2.0	15	0.2	0.5	0.2	64	0.20	0.050
1001807	Soil	1.5	33.9	12.0	74	<0.1	32.7	14.4	757	3.30	11.0	0.9	14.9	1.5	17	0.2	0.6	0.2	73	0.20	0.066
1001813	Soil	2.8	28.5	27.0	106	0.1	16.2	8.0	843	2.87	6.6	1.7	3.2	3.7	16	0.5	0.5	0.4	49	0.20	0.057
1001808	Soil	2.0	32.2	13.7	82	<0.1	29.3	11.8	653	3.29	9.7	0.9	4.5	1.3	22	0.4	0.7	0.2	70	0.22	0.066
1001812	Soil	1.8	32.8	23.9	109	<0.1	32.0	13.9	842	3.57	10.6	1.4	3.9	2.6	22	0.4	0.7	0.3	67	0.27	0.096
1001810	Soil	1.3	30.4	15.7	75	<0.1	26.4	10.8	561	2.89	7.8	0.9	3.7	2.6	17	0.3	0.5	0.2	59	0.22	0.051
1001803	Soil	3.5	24.2	34.3	108	<0.1	19.9	16.6	993	3.14	16.8	0.9	1.9	1.5	14	0.2	0.9	0.3	47	0.15	0.067
1001805	Soil	2.7	16.7	26.8	58	0.1	11.6	8.6	1088	2.21	3.1	1.3	1.6	5.2	25	0.2	0.4	0.6	23	0.35	0.056
1001809	Soil	1.6	29.3	27.0	86	<0.1	25.2	11.4	983	3.27	8.9	1.3	5.0	3.9	21	0.2	0.7	0.2	59	0.21	0.048

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Vancouver BC V6C 1H2 Canada

Project: VNS  
Report Date: August 25, 2011

Page: 6 of 13 Part 2

## CERTIFICATE OF ANALYSIS

WHI11000976.1

Method	Analyte	1DX15																	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1086299	Soil	13	42	0.61	151	0.065	<1	3.41	0.018	0.09	0.2	0.03	4.2	0.1	<0.05	8	<0.5	<0.2	
1083159	Soil	12	27	0.42	77	0.042	<1	1.37	0.009	0.09	<0.1	0.03	1.6	0.1	<0.05	6	<0.5	<0.2	
1086293	Soil	16	39	0.76	154	0.092	<1	2.82	0.014	0.09	0.1	0.02	3.7	0.1	<0.05	8	0.6	<0.2	
1081175	Soil	7	29	0.73	74	0.083	<1	2.80	0.017	0.08	0.7	0.04	3.4	0.2	<0.05	11	1.0	<0.2	
1081169	Soil	10	35	0.52	84	0.039	<1	2.68	0.012	0.08	0.1	0.02	3.2	0.2	<0.05	9	<0.5	<0.2	
1083160	Soil	13	29	0.46	80	0.050	<1	1.48	0.009	0.10	<0.1	0.05	1.7	0.1	0.06	6	<0.5	<0.2	
1083157	Soil	13	32	0.58	89	0.060	<1	1.47	0.016	0.11	0.1	0.03	2.3	0.1	<0.05	6	<0.5	<0.2	
1086298	Soil	7	6	0.08	31	0.081	<1	0.82	0.028	0.04	<0.1	0.02	0.6	<0.1	<0.05	4	<0.5	<0.2	
1086292	Soil	15	35	0.58	146	0.062	<1	2.22	0.013	0.10	0.1	0.03	2.5	0.1	<0.05	10	<0.5	<0.2	
1086297	Soil	11	30	0.45	168	0.041	<1	2.01	0.019	0.09	0.2	0.03	2.2	0.1	<0.05	8	0.5	<0.2	
1086291	Soil	13	37	0.54	106	0.072	<1	2.44	0.010	0.07	0.1	0.02	2.8	0.1	<0.05	9	<0.5	<0.2	
1086296	Soil	4	6	0.12	48	0.047	<1	0.70	0.031	0.04	<0.1	0.02	0.8	<0.1	<0.05	3	<0.5	<0.2	
1081194	Soil	17	19	0.31	172	0.016	<1	1.35	0.012	0.10	<0.1	0.02	1.4	<0.1	<0.05	5	<0.5	<0.2	
1001815	Soil	14	32	0.43	90	0.072	<1	1.95	0.012	0.06	0.1	0.03	2.7	<0.1	<0.05	5	<0.5	<0.2	
1001819	Soil	14	37	0.61	112	0.054	<1	2.09	0.011	0.07	0.2	0.04	2.2	0.1	<0.05	7	<0.5	<0.2	
1001817	Soil	12	33	0.56	103	0.080	<1	2.09	0.014	0.05	0.1	0.03	2.9	<0.1	<0.05	5	<0.5	<0.2	
1001820	Soil	12	34	0.50	72	0.050	<1	2.59	0.010	0.06	<0.1	0.06	1.9	0.1	<0.05	8	0.7	<0.2	
1001822	Soil	13	37	0.49	106	0.075	<1	2.41	0.011	0.05	0.1	0.04	2.9	0.1	<0.05	8	<0.5	<0.2	
1001816	Soil	16	25	0.37	101	0.069	<1	1.44	0.014	0.07	0.2	0.02	2.7	0.1	<0.05	5	<0.5	<0.2	
1001821	Soil	13	35	0.48	103	0.074	<1	2.44	0.011	0.04	0.1	0.04	2.9	0.1	<0.05	8	<0.5	<0.2	
1001823	Soil	9	38	0.61	85	0.087	<1	2.43	0.009	0.06	0.1	0.04	2.9	0.2	<0.05	10	0.7	<0.2	
1001818	Soil	12	31	0.44	98	0.060	<1	1.94	0.010	0.05	0.2	0.03	2.5	0.1	<0.05	7	<0.5	<0.2	
1001807	Soil	17	41	0.71	104	0.060	<1	2.77	0.011	0.07	0.1	0.03	3.3	0.1	<0.05	7	0.5	<0.2	
1001813	Soil	28	23	0.32	130	0.051	<1	1.33	0.011	0.08	0.1	0.02	2.6	0.1	<0.05	5	0.6	<0.2	
1001808	Soil	13	37	0.59	123	0.068	1	2.05	0.011	0.06	0.1	0.02	2.5	<0.1	0.07	7	0.6	<0.2	
1001812	Soil	26	36	0.60	168	0.062	1	2.61	0.013	0.08	0.1	0.03	3.2	0.1	0.05	7	<0.5	<0.2	
1001810	Soil	14	29	0.52	109	0.070	1	1.78	0.011	0.07	0.2	0.02	2.7	<0.1	<0.05	5	<0.5	<0.2	
1001803	Soil	24	26	0.52	85	0.015	<1	2.06	0.008	0.07	0.1	0.02	1.6	0.1	<0.05	6	0.5	<0.2	
1001805	Soil	61	16	0.40	128	0.004	<1	1.48	0.008	0.13	<0.1	<0.01	2.4	0.1	<0.05	5	<0.5	<0.2	
1001809	Soil	19	32	0.54	149	0.061	1	1.90	0.012	0.07	0.1	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2	

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# AcmeLabs

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## Acme Analytical Laboratories (Vancouver) Ltd.

**Client:**

Ryan Gold Corp.

**Ryan Gold**  
600 - 666 Burrard St.

Vancouver BC V6C 1H2 Canada

Project: VNS

Report Date: August 25, 2011

[www.acmelab.com](http://www.acmelab.com)

Page: 7 of 13 Part 1

## CERTIFICATE OF ANALYSIS

WHI11000976.1

Method	Analyte	1DX15																		
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		Unit	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%							
		MDL	0.1	0.1	0.1	1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1001806	Soil	1.2	34.0	9.3	63	<0.1	27.4	11.9	571	2.91	7.7	0.8	13.2	2.0	21	0.3	0.6	0.2	70	0.28 0.062
1001804	Soil	1.8	40.0	18.1	75	<0.1	28.1	12.4	995	3.48	8.9	1.0	2.7	1.6	19	0.2	0.6	0.3	67	0.19 0.059
1001814	Soil	1.9	24.6	26.4	105	<0.1	17.9	8.9	832	2.71	5.3	2.8	4.8	4.4	21	0.3	0.5	0.3	50	0.25 0.064
1001811	Soil	2.8	34.9	19.1	84	<0.1	25.9	10.5	467	3.63	11.7	0.9	3.0	1.3	21	0.4	0.9	0.3	79	0.18 0.048
1001795	Soil	1.1	29.7	10.8	79	<0.1	27.6	13.2	897	3.09	8.2	1.6	3.0	4.6	35	0.4	0.5	0.2	67	0.38 0.093
1001801	Soil	2.0	21.0	19.6	75	<0.1	19.2	12.5	864	3.29	5.4	1.0	4.0	4.5	16	0.2	0.6	0.2	50	0.19 0.051
1001799	Soil	1.4	30.3	15.1	77	<0.1	27.5	12.1	685	3.29	9.1	1.0	2.0	2.3	20	0.2	0.7	0.2	72	0.24 0.069
1001792	Soil	1.0	19.7	9.9	68	0.1	21.6	7.6	316	2.63	5.0	1.0	1.4	0.6	28	0.2	0.9	0.2	51	0.29 0.098
1001791	Soil	1.6	25.4	14.9	74	0.2	24.5	9.2	477	2.65	7.8	1.3	5.7	2.1	24	0.2	0.6	0.3	58	0.26 0.064
1001796	Soil	1.1	28.4	12.2	65	0.1	22.6	10.2	515	2.88	6.1	1.8	3.5	3.4	27	0.2	0.5	0.2	62	0.30 0.081
1001800	Soil	2.0	29.7	15.5	82	<0.1	25.9	10.4	416	3.65	10.7	0.7	3.7	1.5	19	0.2	0.9	0.2	78	0.19 0.046
1001802	Soil	2.8	22.4	32.2	108	<0.1	16.6	10.9	1030	3.63	7.2	1.2	2.9	4.7	16	0.3	0.5	0.3	36	0.16 0.030
1001797	Soil	1.9	24.4	12.0	75	<0.1	24.5	12.0	738	2.82	7.6	0.9	7.3	3.0	22	0.2	0.6	0.2	59	0.25 0.068
1001794	Soil	1.0	32.7	10.2	67	<0.1	28.4	12.2	518	2.94	7.9	0.8	1.9	2.9	20	0.2	0.6	0.2	66	0.23 0.053
1001798	Soil	1.1	25.6	11.6	71	<0.1	20.3	10.2	572	2.75	6.5	0.9	2.6	4.1	26	0.2	0.5	0.2	57	0.37 0.091
1001713	Soil	0.9	38.8	26.8	83	<0.1	41.6	15.7	905	3.75	7.7	0.8	1.1	9.1	16	0.2	0.6	0.3	63	0.17 0.027
1001704	Soil	2.3	31.2	20.3	81	0.2	26.3	14.3	877	3.48	11.8	1.1	4.3	0.7	61	0.3	0.9	0.2	65	0.39 0.125
1001717	Soil	2.3	63.3	18.8	117	0.1	52.3	25.3	460	6.26	14.0	1.5	0.6	4.5	55	0.2	1.2	0.4	72	0.09 0.058
1001718	Soil	0.9	35.5	19.9	116	<0.1	154.0	38.3	1159	5.63	10.4	1.5	0.6	5.1	18	0.6	0.9	0.4	119	0.39 0.124
1001716	Soil	4.2	55.0	26.1	718	0.8	114.9	43.4	1890	4.50	28.2	2.6	4.3	5.0	22	2.6	1.5	0.3	116	0.42 0.053
1001711	Soil	3.9	54.0	25.9	714	0.7	113.3	42.9	1850	4.41	27.4	2.6	3.2	4.9	22	2.7	1.4	0.3	116	0.43 0.053
1001719	Soil	2.6	91.9	18.8	258	0.4	23.9	16.5	1532	3.67	17.0	0.8	1.9	2.5	22	2.8	1.1	0.3	89	0.20 0.049
1001714	Soil	2.8	42.0	29.4	285	0.9	30.2	11.3	333	5.37	19.0	0.8	1.6	4.0	33	1.1	1.1	0.5	81	0.12 0.036
1001715	Soil	1.7	40.4	14.3	140	0.5	46.0	17.6	376	4.38	49.9	0.9	2.6	5.1	28	0.6	1.0	0.3	70	0.15 0.036
1001712	Soil	1.1	50.3	5.9	35	0.2	13.3	8.6	1073	1.67	3.9	0.5	0.5	0.7	26	0.4	0.2	0.1	44	0.23 0.063
1001710	Soil	3.6	40.1	79.3	50	4.5	8.2	2.7	80	4.81	153.4	0.7	57.9	11.4	75	0.3	4.3	12.5	36	0.05 0.087
1001793	Soil	1.1	27.9	11.0	71	0.1	25.5	12.9	760	2.77	7.2	1.2	4.6	4.6	28	0.3	0.5	0.2	67	0.33 0.090
1043791	Soil	1.2	26.9	10.8	62	0.1	21.2	8.9	364	3.04	10.3	0.7	2.3	1.4	21	0.2	0.7	0.2	66	0.21 0.053
1001703	Soil	0.9	27.9	11.3	65	<0.1	24.8	11.7	420	2.45	11.1	0.8	3.1	3.3	47	0.3	0.6	0.2	54	0.27 0.062
1001697	Soil	0.9	27.8	9.3	76	<0.1	25.5	9.9	383	2.81	9.2	0.8	1.3	2.3	27	0.2	0.5	0.2	55	0.28 0.065

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WHI11000976.1

Method	Analyte	1DX15																
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1001806	Soil	15	39	0.62	99	0.094	2	2.02	0.014	0.06	0.2	0.04	3.0	<0.1	0.07	5	<0.5	<0.2
1001804	Soil	28	36	0.67	108	0.027	<1	2.45	0.011	0.08	0.1	0.03	3.1	0.1	<0.05	7	0.6	<0.2
1001814	Soil	42	25	0.36	104	0.076	<1	1.42	0.012	0.08	0.1	0.02	3.1	<0.1	<0.05	4	<0.5	<0.2
1001811	Soil	15	32	0.46	106	0.058	<1	2.01	0.011	0.07	<0.1	0.03	2.3	0.1	<0.05	8	<0.5	<0.2
1001795	Soil	29	36	0.62	161	0.100	1	2.04	0.017	0.08	0.2	0.03	5.0	0.1	<0.05	6	0.6	<0.2
1001801	Soil	22	25	0.60	115	0.053	1	1.80	0.011	0.12	<0.1	0.01	3.5	<0.1	<0.05	5	<0.5	<0.2
1001799	Soil	18	37	0.61	109	0.089	2	2.05	0.013	0.07	0.1	0.03	3.2	<0.1	<0.05	7	<0.5	<0.2
1001792	Soil	25	42	0.53	123	0.023	<1	2.11	0.013	0.09	<0.1	0.02	2.0	0.1	0.05	7	<0.5	<0.2
1001791	Soil	28	35	0.57	136	0.047	1	2.11	0.013	0.10	0.1	0.03	3.0	0.1	<0.05	6	<0.5	<0.2
1001796	Soil	34	40	0.56	148	0.093	1	2.49	0.015	0.08	0.1	0.03	5.3	0.1	<0.05	7	<0.5	<0.2
1001800	Soil	13	36	0.51	98	0.069	1	1.96	0.011	0.05	0.2	0.03	2.8	<0.1	<0.05	8	<0.5	<0.2
1001802	Soil	33	23	0.39	135	0.028	<1	1.27	0.008	0.11	<0.1	0.02	3.6	0.1	<0.05	4	<0.5	<0.2
1001797	Soil	18	34	0.50	133	0.075	1	1.74	0.014	0.08	0.2	0.02	2.7	<0.1	<0.05	5	<0.5	<0.2
1001794	Soil	15	35	0.57	117	0.094	2	2.19	0.014	0.07	0.2	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
1001798	Soil	20	30	0.50	100	0.086	<1	1.36	0.016	0.08	0.2	0.01	2.9	<0.1	<0.05	5	<0.5	<0.2
1001713	Soil	30	54	1.02	293	0.123	<1	3.31	0.008	0.29	<0.1	<0.01	5.3	0.3	<0.05	8	<0.5	<0.2
1001704	Soil	16	34	0.67	120	0.044	1	1.93	0.012	0.08	0.2	0.06	1.7	<0.1	0.09	7	0.6	<0.2
1001717	Soil	15	53	1.10	186	0.114	<1	3.29	0.032	0.54	<0.1	<0.01	4.5	0.3	0.26	9	0.6	<0.2
1001718	Soil	19	256	3.02	259	0.147	1	4.64	0.009	0.52	<0.1	<0.01	10.4	0.4	<0.05	15	<0.5	<0.2
1001716	Soil	21	47	3.86	366	0.111	2	3.68	0.011	0.12	2.7	0.05	5.6	0.6	<0.05	10	1.1	<0.2
1001711	Soil	21	48	3.71	356	0.108	2	3.49	0.010	0.12	2.5	0.06	5.6	0.7	<0.05	9	0.8	<0.2
1001719	Soil	15	35	0.50	217	0.087	1	1.97	0.014	0.07	0.2	0.03	2.7	0.2	<0.05	9	<0.5	<0.2
1001714	Soil	12	39	0.76	101	0.098	<1	2.71	0.010	0.19	0.1	0.01	3.3	0.2	0.06	10	<0.5	<0.2
1001715	Soil	14	43	0.75	128	0.090	1	2.54	0.014	0.17	0.2	0.03	3.7	0.2	0.07	7	<0.5	<0.2
1001712	Soil	8	16	0.22	283	0.064	<1	1.01	0.032	0.07	<0.1	0.02	1.4	<0.1	<0.05	4	<0.5	<0.2
1001710	Soil	20	25	0.27	161	0.011	<1	1.02	0.011	0.59	0.1	0.02	1.6	0.5	0.99	5	3.1	2.1
1001793	Soil	21	36	0.57	161	0.106	<1	2.17	0.016	0.08	0.2	0.02	3.6	0.1	<0.05	6	<0.5	<0.2
1043791	Soil	13	31	0.49	165	0.062	2	1.83	0.010	0.06	0.3	0.02	2.3	<0.1	<0.05	6	0.6	<0.2
1001703	Soil	12	29	0.53	121	0.095	1	1.90	0.012	0.06	0.3	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
1001697	Soil	12	34	0.61	137	0.092	2	2.05	0.013	0.06	0.2	0.03	2.8	<0.1	<0.05	5	0.6	<0.2

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Method	Analyte	1DX15																		
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		Unit	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%							
		MDL	0.1	0.1	0.1	1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1001696	Soil	0.9	31.8	11.7	66	<0.1	26.9	11.7	570	2.89	9.1	0.6	5.6	2.0	18	0.2	0.5	0.2	63	0.24 0.059
1001699	Soil	0.8	26.7	6.9	59	<0.1	23.2	9.5	388	2.37	9.0	0.7	2.3	2.4	30	0.2	0.4	0.1	50	0.30 0.074
1001702	Soil	1.3	27.4	7.7	57	<0.1	21.8	8.9	353	2.57	10.3	0.6	3.1	1.4	28	0.2	0.6	0.2	57	0.27 0.085
1043792	Soil	1.3	23.2	21.8	70	0.4	18.4	7.8	272	3.29	12.1	0.6	10.3	1.1	15	0.2	0.7	0.3	63	0.16 0.062
1001725	Soil	2.7	30.8	11.8	84	<0.1	23.7	10.3	473	3.90	12.3	0.6	2.2	0.6	15	0.1	1.1	0.3	86	0.13 0.057
1001695	Soil	1.8	26.6	12.2	74	<0.1	23.5	10.2	421	3.38	12.3	0.6	4.8	1.4	14	0.1	0.8	0.2	66	0.14 0.054
1001693	Soil	1.3	24.3	12.2	77	0.2	20.2	11.2	745	3.40	9.8	0.7	2.8	0.5	14	0.2	0.6	0.2	53	0.13 0.072
1043793	Soil	1.0	20.3	15.2	70	0.2	20.2	10.4	519	2.78	10.5	0.6	4.7	1.8	18	0.2	0.6	0.2	50	0.23 0.073
1001700	Soil	0.8	29.5	23.0	72	0.1	20.7	12.1	1140	2.96	6.8	1.1	3.4	4.3	40	0.4	0.6	0.2	53	0.55 0.126
1001701	Soil	1.0	29.7	21.4	71	0.1	21.4	11.8	1053	2.88	7.0	1.1	4.1	4.1	38	0.3	0.5	0.2	52	0.50 0.118
1001706	Soil	0.8	19.4	2.4	31	<0.1	7.3	5.6	245	1.25	1.9	0.3	0.7	0.1	26	0.3	0.2	<0.1	35	0.28 0.085
1085491	Soil	0.9	25.2	9.6	60	<0.1	21.3	10.2	432	2.65	9.4	0.6	4.5	1.7	38	0.2	0.5	0.2	51	0.15 0.038
1001708	Soil	1.6	40.8	180.8	222	1.6	32.4	12.0	755	3.08	214.1	1.1	19.2	3.0	58	1.2	1.4	0.5	54	0.38 0.081
1001707	Soil	0.6	20.3	3.1	31	<0.1	8.7	5.5	311	1.14	3.1	0.4	0.7	0.3	41	0.4	0.2	<0.1	28	0.37 0.071
1001709	Soil	1.1	32.3	15.5	84	0.2	30.1	10.7	435	2.88	24.0	0.7	2.2	2.7	31	0.4	0.6	0.2	57	0.33 0.086
1001705	Soil	2.1	35.3	10.8	70	0.1	26.0	13.1	742	2.92	11.2	1.0	5.7	0.6	99	0.2	0.7	0.2	60	0.41 0.096
1085489	Soil	0.6	24.5	9.9	60	<0.1	24.0	10.8	537	2.46	9.6	0.6	3.2	3.4	16	0.2	0.5	0.1	56	0.19 0.042
1001698	Soil	0.9	30.0	8.4	64	<0.1	27.3	11.4	493	2.64	10.5	0.7	4.1	2.2	19	0.2	0.5	0.2	57	0.23 0.060
1085490	Soil	1.2	26.0	12.2	63	0.3	21.4	10.5	559	2.82	11.4	0.7	3.0	1.1	15	0.2	0.5	0.2	48	0.17 0.066
1085492	Soil	1.1	27.6	12.1	65	<0.1	27.4	12.4	425	3.16	12.6	0.6	3.2	1.6	15	0.1	0.6	0.2	62	0.18 0.047
1001694	Soil	1.2	24.6	14.3	62	<0.1	20.2	10.8	694	2.64	9.4	0.7	2.7	2.1	16	0.1	0.5	0.2	52	0.21 0.075
1081045	Soil	3.2	34.7	25.1	95	0.6	30.0	17.6	664	3.72	15.8	0.8	4.2	3.0	21	0.9	0.6	0.3	73	0.20 0.068
1081044	Soil	2.1	24.8	25.2	101	0.3	18.9	10.1	657	2.62	10.3	1.0	3.3	3.0	32	0.4	0.5	0.3	50	0.35 0.064
1081043	Soil	3.9	30.9	43.5	151	0.5	21.0	13.3	777	4.18	24.9	0.9	4.1	2.6	29	1.0	0.7	0.5	78	0.23 0.052
1081035	Soil	2.4	30.0	17.8	90	0.1	22.7	11.5	523	3.50	11.1	0.7	3.5	1.8	20	0.3	0.7	0.3	70	0.20 0.042
1081037	Soil	3.8	30.3	97.8	140	0.3	23.9	10.2	498	4.16	13.9	0.8	5.0	2.1	20	0.8	1.0	0.4	73	0.19 0.049
1081040	Soil	5.0	46.8	58.6	116	0.2	38.5	14.4	612	5.05	21.6	0.8	2.7	2.7	37	0.7	1.1	0.4	91	0.28 0.050
1081042	Soil	4.5	27.1	34.0	108	0.2	19.3	9.1	493	4.14	16.0	0.7	2.2	2.7	26	1.5	0.9	0.5	105	0.25 0.036
1081041	Soil	2.3	37.0	65.4	115	0.3	37.3	15.0	802	3.97	14.5	0.9	4.5	3.3	24	0.9	0.9	0.3	77	0.22 0.051
1081036	Soil	4.1	31.1	42.0	114	0.3	20.5	9.2	571	3.24	10.3	0.8	3.7	1.7	23	0.5	1.0	0.4	65	0.22 0.061

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Client: **Ryan Gold Corp.**  
600 - 666 Burrard St.  
Vancouver BC V6C 1H2 Canada

Project: VNS  
Report Date: August 25, 2011

Page: 8 of 13 Part 2

## CERTIFICATE OF ANALYSIS

WHI11000976.1

Method	Analyte	1DX15																	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1001696	Soil	10	33	0.65	106	0.065	2	1.74	0.010	0.07	0.2	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2	
1001699	Soil	9	27	0.53	139	0.088	2	1.60	0.011	0.07	0.2	<0.01	2.1	<0.1	<0.05	4	<0.5	<0.2	
1001702	Soil	9	27	0.48	119	0.056	<1	1.50	0.009	0.05	0.2	0.02	1.8	<0.1	<0.05	5	0.5	<0.2	
1043792	Soil	10	29	0.48	96	0.053	1	1.46	0.007	0.06	0.1	0.02	1.8	0.1	<0.05	6	<0.5	<0.2	
1001725	Soil	8	32	0.51	95	0.054	<1	1.56	0.009	0.05	<0.1	0.03	1.8	<0.1	<0.05	8	<0.5	<0.2	
1001695	Soil	11	36	0.62	77	0.053	1	2.28	0.009	0.07	0.1	0.04	2.5	<0.1	<0.05	6	0.5	<0.2	
1001693	Soil	15	28	0.56	110	0.016	2	2.09	0.008	0.09	0.1	0.03	1.3	0.1	<0.05	6	<0.5	<0.2	
1043793	Soil	12	25	0.51	105	0.055	1	1.43	0.009	0.07	0.2	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2	
1001700	Soil	21	25	0.81	167	0.071	2	1.84	0.013	0.14	0.2	0.04	4.8	<0.1	<0.05	5	<0.5	<0.2	
1001701	Soil	21	26	0.77	158	0.063	<1	1.80	0.012	0.12	0.2	0.03	4.6	<0.1	<0.05	5	0.5	<0.2	
1001706	Soil	5	8	0.17	65	0.042	<1	0.61	0.020	0.04	0.1	0.01	0.4	<0.1	<0.05	3	0.6	<0.2	
1085491	Soil	11	26	0.56	140	0.058	<1	1.52	0.009	0.06	0.2	0.02	2.0	<0.1	<0.05	5	0.5	<0.2	
1001708	Soil	17	30	0.57	266	0.028	<1	1.76	0.016	0.09	0.2	0.03	3.1	<0.1	<0.05	5	0.6	0.3	
1001707	Soil	5	9	0.21	83	0.037	1	0.82	0.025	0.05	<0.1	0.02	0.7	<0.1	<0.05	3	<0.5	<0.2	
1001709	Soil	11	32	0.63	201	0.088	1	1.92	0.016	0.13	0.2	0.03	2.9	0.1	<0.05	5	<0.5	<0.2	
1001705	Soil	11	29	0.61	132	0.042	<1	2.12	0.016	0.07	0.2	0.04	1.9	<0.1	0.06	6	<0.5	<0.2	
1085489	Soil	14	32	0.61	122	0.081	<1	1.75	0.012	0.06	0.2	0.02	2.8	<0.1	<0.05	5	<0.5	<0.2	
1001698	Soil	9	31	0.58	118	0.089	<1	1.91	0.011	0.06	0.2	0.03	2.6	<0.1	<0.05	5	<0.5	<0.2	
1085490	Soil	11	29	0.58	162	0.027	<1	1.97	0.009	0.06	0.1	0.03	1.8	0.1	<0.05	5	<0.5	<0.2	
1085492	Soil	11	35	0.60	110	0.065	<1	2.04	0.009	0.06	0.2	0.02	2.6	<0.1	<0.05	6	<0.5	<0.2	
1001694	Soil	14	27	0.50	108	0.058	<1	1.58	0.008	0.09	0.1	<0.01	2.2	0.1	<0.05	5	<0.5	<0.2	
1081045	Soil	13	37	0.45	136	0.058	<1	2.48	0.012	0.08	0.2	0.03	2.5	0.1	<0.05	7	<0.5	<0.2	
1081044	Soil	18	24	0.43	110	0.040	<1	1.64	0.014	0.08	0.1	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2	
1081043	Soil	12	29	0.39	160	0.020	<1	2.41	0.010	0.07	0.1	0.03	2.2	0.1	<0.05	9	0.5	<0.2	
1081035	Soil	9	33	0.49	108	0.062	<1	2.05	0.010	0.05	0.1	0.03	2.2	<0.1	<0.05	7	0.7	<0.2	
1081037	Soil	12	30	0.45	97	0.048	<1	1.90	0.009	0.06	0.1	0.03	2.2	<0.1	<0.05	8	<0.5	<0.2	
1081040	Soil	12	43	0.73	170	0.057	<1	2.48	0.013	0.08	0.2	0.03	2.9	0.1	<0.05	10	<0.5	<0.2	
1081042	Soil	11	30	0.31	80	0.089	<1	1.35	0.009	0.07	0.2	<0.01	1.9	<0.1	<0.05	10	<0.5	<0.2	
1081041	Soil	26	41	0.60	126	0.072	<1	3.03	0.011	0.07	0.1	0.05	3.3	0.1	<0.05	8	0.7	<0.2	
1081036	Soil	9	26	0.36	128	0.042	<1	1.44	0.012	0.06	0.2	0.05	1.5	0.1	<0.05	7	<0.5	<0.2	

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# AcmeLabs

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## Acme Analytical Laboratories (Vancouver) Ltd.

**Client:**

Ryan Gold Corp.

Ryan Gold  
600 - 666 Burrard St.

Vancouver BC V6C 1H2 Canada

Project: VNS

Report Date: August 25, 2011

[www.acmelab.com](http://www.acmelab.com)

Page: 9 of 13 Part 1

## CERTIFICATE OF ANALYSIS

WHI11000976.1

Method	Analyte	1DX15																		
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		Unit	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%						
		MDL	0.1	0.1	0.1	1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1081038	Soil	2.8	32.3	21.5	80	0.2	26.4	12.4	592	3.45	10.6	1.0	3.7	2.5	20	0.4	0.7	0.3	62	0.23 0.058
1081034	Soil	2.6	39.3	32.2	119	0.2	27.5	13.6	1090	3.44	11.3	1.2	4.0	2.1	33	0.6	0.7	0.4	56	0.39 0.080
1081039	Soil	2.8	47.5	104.7	121	0.2	39.0	18.2	833	4.11	15.9	1.0	4.8	4.0	18	0.7	0.8	0.3	73	0.18 0.059
1081028	Soil	2.1	45.6	22.4	109	0.2	42.4	18.2	1100	3.92	16.2	1.4	2.8	2.7	27	0.5	0.9	0.3	71	0.29 0.063
1081022	Soil	2.4	25.1	22.0	87	0.1	20.8	10.2	573	3.30	151.6	1.2	4.5	1.5	14	0.2	1.1	0.2	54	0.18 0.066
1081023	Soil	3.0	39.8	21.5	100	0.1	32.3	15.0	1108	3.77	46.1	2.3	3.6	3.5	19	0.2	1.0	0.3	63	0.26 0.074
1081029	Soil	1.9	27.7	16.8	84	0.1	25.7	11.8	703	3.30	10.7	0.8	3.2	1.3	18	0.3	0.7	0.2	65	0.22 0.047
1081025	Soil	2.9	38.6	36.7	115	0.2	26.9	16.2	1375	3.78	17.3	1.5	5.5	1.1	34	0.5	0.9	0.3	69	0.38 0.077
1081024	Soil	2.3	36.9	16.2	108	0.2	24.2	11.6	758	3.37	12.3	1.0	5.4	0.7	22	0.3	0.9	0.3	67	0.22 0.051
1081033	Soil	3.3	25.8	19.0	88	<0.1	16.1	7.7	440	3.35	9.9	0.6	3.0	0.8	24	0.4	0.8	0.3	72	0.26 0.040
1081030	Soil	3.6	33.5	15.3	89	0.1	23.2	14.9	1097	3.55	10.9	0.9	1.0	0.5	20	0.7	1.0	0.3	70	0.19 0.061
1081031	Soil	3.7	32.6	17.8	97	0.2	29.9	17.4	1128	3.58	16.0	1.3	4.1	0.7	26	0.3	0.9	0.3	65	0.30 0.125
1081032	Soil	2.2	32.6	25.3	91	0.1	32.0	23.4	2153	2.93	11.0	1.4	3.5	2.7	13	0.8	0.6	0.3	53	0.16 0.112
1081027	Soil	2.6	39.0	28.5	102	0.3	26.4	12.9	989	3.25	11.8	1.7	3.5	2.3	27	0.5	0.8	0.3	56	0.30 0.066
1081026	Soil	1.6	26.5	80.3	116	1.9	27.2	11.3	907	3.18	10.5	1.1	4.8	3.0	20	0.6	0.6	0.2	59	0.23 0.036
1081049	Soil	17.0	185.0	19.9	88	1.0	20.8	10.2	337	2.55	3.9	2.0	1.6	2.1	40	0.7	0.3	0.2	82	0.49 0.059
1081501	Soil	33.4	171.1	36.1	184	0.6	17.4	9.8	335	2.59	7.5	1.3	6.9	3.4	19	1.4	0.6	0.4	66	0.20 0.037
1081050	Soil	33.1	215.1	42.6	221	0.6	21.7	12.1	376	2.90	7.4	1.2	1.8	4.0	24	1.0	0.6	0.3	64	0.38 0.065
1081503	Soil	16.4	163.2	32.8	150	1.3	24.6	10.3	386	4.05	16.1	1.9	4.6	5.5	21	0.7	0.8	0.4	92	0.23 0.039
1081502	Soil	15.5	164.3	32.3	145	1.3	23.5	9.6	357	4.01	15.7	1.5	3.5	5.2	19	0.6	0.8	0.4	88	0.21 0.035
1081048	Soil	5.7	57.8	19.3	85	0.1	24.9	9.4	324	3.55	13.5	0.8	2.9	3.5	27	0.4	0.5	0.3	62	0.29 0.050
1081046	Soil	2.0	33.3	21.1	95	0.3	20.9	11.2	737	2.97	11.9	1.0	<0.5	1.9	45	0.4	0.5	0.3	60	0.44 0.066
1081047	Soil	4.8	79.6	26.7	92	0.7	21.5	9.7	403	2.76	13.1	0.9	2.6	2.6	41	0.3	0.6	0.3	57	0.49 0.043
1081342	Soil	0.8	18.7	4.0	39	0.5	9.4	4.5	205	1.42	7.4	0.9	1.7	0.6	20	0.2	0.2	<0.1	41	0.21 0.039
1081339	Soil	2.8	43.4	10.4	172	0.5	46.8	14.3	397	3.71	36.5	1.3	8.1	4.4	23	1.5	0.8	0.3	95	0.22 0.066
1081341	Soil	2.8	56.7	43.4	155	0.7	23.9	7.9	299	1.93	31.6	1.3	2.0	1.2	46	2.3	0.7	0.2	57	0.46 0.065
1081340	Soil	1.9	28.8	7.6	78	0.3	16.5	5.7	196	2.23	14.8	0.6	1.2	1.5	18	1.1	0.5	0.2	73	0.13 0.055
1081345	Soil	2.0	26.0	16.4	63	0.2	24.7	11.1	328	3.40	13.0	0.8	1.9	3.2	19	0.4	0.6	0.2	67	0.19 0.038
1081322	Soil	1.2	16.8	16.8	59	<0.1	14.4	10.3	688	2.39	6.0	0.8	1.4	0.8	11	0.2	0.5	0.2	35	0.12 0.054
1081344	Soil	2.3	26.6	16.8	66	0.2	24.7	10.4	322	3.37	13.3	1.1	1.6	3.2	18	0.3	0.5	0.3	69	0.16 0.033

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Page: 9 of 13 Part 2

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1081038	Soil	17	32	0.46	88	0.041	<1	2.11	0.009	0.07	0.1	0.04	2.2	0.1	<0.05	7	0.6	<0.2	
1081034	Soil	35	31	0.55	141	0.028	<1	2.10	0.011	0.07	0.1	0.03	2.4	<0.1	<0.05	7	<0.5	<0.2	
1081039	Soil	15	42	0.69	116	0.071	<1	3.24	0.011	0.07	0.2	0.06	3.3	0.1	<0.05	8	0.6	<0.2	
1081028	Soil	15	43	0.84	139	0.065	<1	2.57	0.014	0.08	0.1	0.03	3.6	0.1	<0.05	7	<0.5	<0.2	
1081022	Soil	14	27	0.40	94	0.030	<1	1.46	0.009	0.05	0.2	0.03	1.7	0.1	<0.05	5	<0.5	<0.2	
1081023	Soil	51	35	0.63	149	0.058	<1	1.91	0.011	0.07	0.2	0.05	4.0	<0.1	<0.05	5	0.6	<0.2	
1081029	Soil	13	34	0.60	102	0.045	2	2.10	0.009	0.06	0.1	0.02	2.5	<0.1	<0.05	7	<0.5	<0.2	
1081025	Soil	17	37	0.63	133	0.039	4	2.01	0.011	0.07	<0.1	0.02	2.5	0.1	<0.05	7	0.7	<0.2	
1081024	Soil	19	32	0.53	121	0.045	3	1.98	0.009	0.06	<0.1	0.04	2.0	0.1	<0.05	7	0.5	<0.2	
1081033	Soil	11	25	0.37	109	0.041	3	1.33	0.008	0.06	0.1	0.02	1.6	<0.1	<0.05	8	<0.5	<0.2	
1081030	Soil	11	32	0.46	137	0.036	2	1.64	0.008	0.07	<0.1	0.01	1.7	0.1	<0.05	7	<0.5	<0.2	
1081031	Soil	15	40	0.66	107	0.031	3	1.97	0.012	0.09	0.1	0.05	1.7	<0.1	0.10	7	0.5	<0.2	
1081032	Soil	33	33	0.51	120	0.043	3	2.51	0.011	0.08	0.2	0.07	2.6	0.2	0.07	6	0.8	<0.2	
1081027	Soil	34	31	0.56	150	0.044	2	2.07	0.016	0.07	0.1	0.05	2.9	0.1	<0.05	6	<0.5	<0.2	
1081026	Soil	14	29	0.52	140	0.061	2	1.76	0.010	0.06	0.2	0.03	2.6	0.1	<0.05	5	<0.5	<0.2	
1081049	Soil	12	24	0.37	115	0.087	2	1.19	0.019	0.05	0.1	0.02	2.2	<0.1	<0.05	6	0.6	<0.2	
1081501	Soil	11	23	0.55	87	0.052	1	1.59	0.011	0.06	0.3	0.01	2.4	0.1	<0.05	7	0.6	<0.2	
1081050	Soil	10	21	0.53	81	0.067	1	1.26	0.014	0.06	0.2	0.02	2.2	<0.1	<0.05	6	0.9	<0.2	
1081503	Soil	11	40	0.63	117	0.073	1	2.29	0.011	0.08	0.2	0.03	3.7	0.2	<0.05	8	0.7	<0.2	
1081502	Soil	10	39	0.57	108	0.067	1	2.17	0.010	0.08	0.1	0.02	3.5	0.2	<0.05	8	0.6	<0.2	
1081048	Soil	13	32	0.53	128	0.060	2	1.98	0.012	0.08	0.2	0.02	2.7	0.1	<0.05	6	0.6	<0.2	
1081046	Soil	24	27	0.39	177	0.038	1	2.11	0.017	0.08	<0.1	0.03	2.7	0.1	<0.05	7	<0.5	<0.2	
1081047	Soil	12	24	0.45	129	0.027	2	1.84	0.018	0.07	0.2	0.01	2.5	0.1	<0.05	6	0.6	<0.2	
1081342	Soil	11	10	0.14	80	0.048	1	0.74	0.025	0.04	<0.1	0.02	1.3	<0.1	0.05	3	<0.5	<0.2	
1081339	Soil	11	44	0.71	169	0.102	3	2.35	0.011	0.13	0.2	0.02	3.9	0.2	<0.05	7	0.6	<0.2	
1081341	Soil	9	23	0.37	92	0.055	1	1.18	0.016	0.09	0.2	0.02	2.2	0.1	<0.05	4	1.3	<0.2	
1081340	Soil	7	23	0.29	106	0.064	<1	1.18	0.013	0.09	0.1	0.02	1.8	0.1	<0.05	6	0.9	<0.2	
1081345	Soil	14	33	0.48	109	0.062	1	2.39	0.012	0.06	0.1	0.03	3.1	0.1	<0.05	7	<0.5	<0.2	
1081322	Soil	12	18	0.44	148	0.016	<1	1.59	0.007	0.08	<0.1	0.03	1.5	0.2	<0.05	4	<0.5	<0.2	
1081344	Soil	13	35	0.52	108	0.054	<1	2.77	0.011	0.06	0.1	0.02	3.2	0.1	<0.05	7	0.5	<0.2	

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## Acme Analytical Laboratories (Vancouver) Ltd.

## **Client:**

Ryan Gold Corp.

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Project: VNS

Report Date: August 25, 2011

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Page: 10 of 13 Part 1

## CERTIFICATE OF ANALYSIS

WHI11000976.1

Method	Analyte	1DX15																			
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
		Unit	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%								
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1081324	Soil	1.7	23.0	10.1	54	0.1	15.8	7.5	414	2.58	6.3	0.7	1.3	0.4	19	0.2	0.6	0.1	47	0.20	0.069
1081330	Soil	1.5	22.3	15.4	70	0.2	19.9	10.2	520	2.72	6.7	0.7	1.4	1.0	28	0.4	0.4	0.2	53	0.33	0.058
1081331	Soil	2.3	23.4	15.1	74	<0.1	19.0	10.8	574	3.16	8.3	0.9	2.2	1.9	18	0.4	0.6	0.3	64	0.21	0.049
1081332	Soil	2.6	29.3	15.0	107	0.2	22.8	17.2	1026	3.87	11.0	0.6	2.9	1.9	20	0.8	0.7	0.3	73	0.18	0.046
1081335	Soil	2.2	22.3	16.0	92	0.2	18.5	10.0	451	3.29	15.4	0.7	2.1	2.6	31	0.6	0.7	0.2	62	0.28	0.063
1081348	Soil	1.5	36.4	12.3	78	0.5	15.5	6.9	403	1.87	9.8	3.3	1.6	1.6	37	0.3	0.4	0.2	40	0.51	0.078
1045604	Soil	5.8	44.6	5.6	50	0.9	16.0	54.0	9022	2.83	13.7	1.7	2.4	0.7	31	3.6	0.6	0.1	38	0.40	0.127
1081349	Soil	1.2	22.9	6.2	31	0.9	7.7	5.2	513	1.41	9.4	3.3	2.1	0.8	26	0.4	0.2	<0.1	40	0.39	0.059
1081347	Soil	1.2	12.9	8.1	45	0.2	10.4	6.0	309	1.57	5.5	0.8	1.3	0.8	22	0.3	0.3	0.1	42	0.25	0.041
1045603	Soil	2.3	30.4	18.1	100	0.3	24.1	9.6	397	2.57	13.8	1.5	5.3	3.1	30	0.4	0.6	0.2	55	0.39	0.072
1081350	Soil	2.6	31.5	20.9	84	0.3	20.1	8.9	485	2.61	16.9	2.0	3.4	2.7	36	0.3	0.6	0.3	58	0.46	0.054
1045602	Soil	2.2	30.4	18.5	105	0.3	25.3	10.0	425	2.72	15.7	1.4	3.7	3.5	27	0.4	0.6	0.3	57	0.37	0.069
1081343	Soil	1.7	24.6	11.1	67	0.3	19.7	9.8	530	2.47	11.3	1.3	5.0	1.6	33	0.2	0.5	0.2	53	0.41	0.082
1081346	Soil	2.2	30.0	15.3	77	0.2	25.5	11.0	489	3.68	15.8	1.1	1.9	2.7	27	0.3	0.7	0.2	71	0.27	0.069
1045601	Soil	2.8	41.0	19.2	87	0.8	23.2	10.4	671	2.73	16.3	2.6	3.8	1.7	39	0.2	0.6	0.3	52	0.51	0.082
1081327	Soil	2.3	40.1	22.8	99	0.2	29.1	16.9	1494	2.92	12.4	1.1	3.6	1.2	32	0.7	1.1	0.2	50	0.43	0.103
1081328	Soil	2.5	34.8	21.0	98	0.1	29.4	13.9	1181	2.77	10.5	0.8	3.3	1.8	25	0.5	0.9	0.2	56	0.29	0.087
1081334	Soil	3.1	38.1	12.7	87	0.1	22.7	13.7	772	4.48	11.9	0.6	3.4	1.7	26	0.4	0.8	0.3	81	0.20	0.060
1081338	Soil	3.5	37.0	14.4	156	1.6	27.5	11.5	398	4.43	40.8	0.9	1.7	2.6	20	2.1	0.9	0.3	102	0.18	0.042
1081323	Soil	2.4	27.4	14.1	73	0.2	19.4	12.0	909	3.46	8.7	0.9	2.6	0.2	23	0.4	0.7	0.2	55	0.25	0.117
1081325	Soil	2.0	32.5	24.4	76	<0.1	25.1	10.9	605	3.29	11.0	0.9	5.0	2.3	20	0.3	1.0	0.3	61	0.25	0.071
1081333	Soil	2.2	32.6	11.6	83	0.1	31.4	14.7	564	4.10	11.2	0.6	1.7	2.4	25	0.3	0.8	0.2	75	0.22	0.047
1081321	Soil	2.3	26.7	28.6	87	<0.1	32.5	13.4	970	3.39	14.4	0.9	4.6	2.5	15	0.3	1.0	0.3	57	0.18	0.052
1081329	Soil	2.8	37.0	23.7	133	0.2	37.0	16.9	1322	3.57	12.3	1.1	2.6	2.5	32	0.6	1.0	0.3	68	0.40	0.093
1081326	Soil	2.1	28.7	18.7	92	0.1	27.8	10.7	555	3.51	11.2	0.9	6.2	1.8	21	0.4	0.9	0.3	69	0.25	0.053
1081336	Soil	3.2	50.0	26.2	213	0.8	25.1	9.4	330	3.71	337.9	2.6	4.5	7.0	28	1.1	1.4	0.9	62	0.21	0.060
1081337	Soil	4.0	58.7	13.9	173	0.6	67.3	26.3	675	3.50	116.8	1.5	4.2	4.8	20	0.8	1.9	0.4	85	0.21	0.056
1086248	Soil	1.0	43.8	19.0	87	0.1	71.5	22.5	265	3.76	15.2	1.2	1.8	7.3	25	0.2	1.6	0.1	53	0.55	0.031
1086237	Soil	12.7	62.6	93.7	504	0.7	85.2	19.3	1219	4.10	42.3	5.4	3.6	10.1	24	1.5	2.3	1.1	32	0.21	0.044
1086235	Soil	5.4	128.1	632.4	1603	9.7	73.8	25.3	6984	12.03	144.0	5.5	28.8	11.2	37	14.4	5.0	12.7	51	0.37	0.090

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Project: VNS  
Report Date: August 25, 2011

Page: 10 of 13 Part 2

## CERTIFICATE OF ANALYSIS

WHI11000976.1

Method	Analyte	1DX15																	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1081324	Soil	10	21	0.37	158	0.020	<1	1.35	0.008	0.06	0.1	0.03	1.3	<0.1	0.06	5	0.5	<0.2	
1081330	Soil	18	24	0.49	97	0.047	1	1.73	0.015	0.06	<0.1	0.04	1.9	<0.1	<0.05	6	0.7	<0.2	
1081331	Soil	20	30	0.41	93	0.052	1	1.55	0.009	0.08	<0.1	0.01	2.7	<0.1	<0.05	7	<0.5	<0.2	
1081332	Soil	10	36	0.52	115	0.056	<1	2.17	0.010	0.06	0.1	0.03	2.4	0.1	<0.05	8	<0.5	<0.2	
1081335	Soil	15	28	0.49	117	0.045	<1	2.01	0.011	0.11	0.1	0.03	2.6	0.1	<0.05	9	<0.5	<0.2	
1081348	Soil	40	23	0.34	122	0.037	1	1.27	0.016	0.08	0.1	0.05	3.2	<0.1	0.07	4	0.8	<0.2	
1045604	Soil	11	16	0.18	204	0.022	2	0.74	0.019	0.05	<0.1	0.05	2.0	0.2	0.11	3	1.4	<0.2	
1081349	Soil	39	11	0.12	68	0.039	<1	0.72	0.024	0.04	<0.1	0.06	1.6	<0.1	0.06	3	0.6	<0.2	
1081347	Soil	15	15	0.26	92	0.047	<1	0.99	0.021	0.06	<0.1	0.03	1.6	<0.1	<0.05	4	<0.5	<0.2	
1045603	Soil	20	31	0.55	150	0.068	1	1.68	0.016	0.11	0.1	0.04	3.3	0.1	<0.05	5	<0.5	<0.2	
1081350	Soil	39	30	0.48	141	0.039	<1	1.65	0.013	0.09	0.1	0.02	3.4	0.1	<0.05	6	<0.5	<0.2	
1045602	Soil	19	32	0.57	145	0.069	1	1.67	0.015	0.11	0.2	0.03	3.3	0.2	0.06	5	0.6	<0.2	
1081343	Soil	18	29	0.43	155	0.055	<1	1.85	0.017	0.09	0.1	0.05	2.7	0.1	<0.05	5	0.6	<0.2	
1081346	Soil	17	33	0.46	157	0.060	<1	2.41	0.014	0.08	0.2	0.03	2.8	0.1	<0.05	7	0.5	<0.2	
1045601	Soil	39	29	0.44	177	0.028	<1	1.90	0.021	0.10	0.1	0.06	3.2	0.1	<0.05	6	1.5	<0.2	
1081327	Soil	29	29	0.56	140	0.029	<1	1.97	0.021	0.09	0.1	0.05	1.7	0.1	<0.05	6	1.0	<0.2	
1081328	Soil	14	36	0.44	122	0.042	1	1.57	0.017	0.08	0.1	0.06	1.8	0.1	<0.05	6	0.6	<0.2	
1081334	Soil	12	33	0.49	141	0.071	1	1.92	0.013	0.11	0.1	0.02	2.3	0.1	<0.05	9	0.7	<0.2	
1081338	Soil	13	41	0.54	152	0.077	<1	2.46	0.010	0.10	0.2	0.04	2.9	0.2	<0.05	10	1.0	<0.2	
1081323	Soil	11	27	0.46	145	0.017	<1	1.79	0.012	0.08	0.1	0.04	1.0	0.1	0.08	6	0.6	<0.2	
1081325	Soil	22	30	0.46	96	0.048	<1	1.58	0.009	0.09	0.2	0.02	2.0	0.2	<0.05	6	0.6	<0.2	
1081333	Soil	10	38	0.68	104	0.070	<1	2.43	0.011	0.09	0.1	0.02	2.8	0.1	<0.05	8	0.5	<0.2	
1081321	Soil	18	40	0.49	102	0.061	<1	1.68	0.008	0.13	0.1	0.02	2.3	0.1	<0.05	6	<0.5	<0.2	
1081329	Soil	33	44	0.67	173	0.043	1	2.24	0.017	0.13	0.2	0.07	2.9	0.2	<0.05	8	0.8	<0.2	
1081326	Soil	14	37	0.60	102	0.055	<1	2.06	0.009	0.08	0.2	0.03	2.6	0.1	<0.05	7	0.7	<0.2	
1081336	Soil	26	34	0.48	144	0.065	<1	2.02	0.015	0.15	0.2	0.03	2.7	0.3	0.08	7	1.2	0.2	
1081337	Soil	12	62	0.83	187	0.088	<1	2.12	0.010	0.18	0.2	0.02	3.7	0.3	<0.05	6	0.7	<0.2	
1086248	Soil	25	54	0.99	155	0.029	<1	2.76	0.040	0.10	0.2	0.02	5.0	0.2	<0.05	10	0.8	<0.2	
1086237	Soil	17	23	0.23	218	0.002	<1	1.96	0.006	0.11	0.3	0.01	2.4	0.3	<0.05	3	3.9	<0.2	
1086235	Soil	45	32	0.37	311	0.007	<1	1.14	0.008	0.17	0.6	0.04	7.0	0.4	0.06	4	8.4	1.0	

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Project: VNS

Report Date: August 25, 2011

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Page: 11 of 13 Part 1

## CERTIFICATE OF ANALYSIS

WHI11000976.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15								
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		Unit	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%						
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
1086236	Soil	4.9	123.5	654.9	1698	9.7	71.2	25.1	6894	11.74	153.7	5.3	26.2	10.2	38	14.7	5.7	12.6	52	0.37 0.094
1086234	Soil	2.8	50.7	55.2	195	2.3	57.7	18.0	492	4.47	38.9	2.7	4.0	7.4	18	1.1	2.3	0.5	72	0.15 0.043
1086250	Soil	3.3	36.6	228.1	233	0.7	109.7	32.5	1700	8.16	156.8	2.1	30.6	19.9	9	0.5	7.5	0.4	30	0.14 0.040
1086241	Soil	3.8	52.7	20.2	96	0.3	35.5	14.8	1112	5.23	28.3	0.7	3.5	2.2	22	0.3	2.1	0.3	111	0.18 0.044
1086232	Soil	6.0	45.9	34.8	97	0.5	27.3	9.5	335	3.89	239.0	3.1	11.9	4.7	14	0.3	1.1	0.4	58	0.13 0.064
1086233	Soil	4.6	56.3	37.7	79	1.3	27.3	10.5	302	3.69	262.6	1.9	12.8	11.1	16	0.5	1.1	0.5	58	0.16 0.042
1086238	Soil	3.2	152.1	70.2	137	0.9	61.5	15.0	1666	3.48	391.2	2.0	10.1	15.9	54	0.6	4.0	0.6	28	0.50 0.221
1085327	Soil	1.8	23.2	7.8	46	<0.1	12.7	6.2	220	2.91	8.8	0.4	2.1	1.3	16	<0.1	0.6	0.2	70	0.17 0.036
1086239	Soil	3.1	154.4	75.4	149	1.0	61.3	15.1	1468	3.48	434.6	1.9	11.8	13.9	39	0.7	4.1	0.7	18	0.25 0.113
1086165	Soil	3.0	99.5	15.4	190	0.2	76.1	19.4	657	4.08	41.8	1.3	6.6	3.0	37	1.2	2.9	0.2	74	0.25 0.052
1086244	Soil	2.3	77.3	11.3	86	0.6	44.4	16.9	665	4.07	17.4	1.0	9.5	1.9	28	0.3	1.3	0.2	75	0.23 0.073
1086246	Soil	1.0	32.7	14.4	65	0.1	37.0	13.1	575	3.13	12.8	1.2	1.6	7.7	18	0.1	11.7	0.2	47	0.56 0.027
1086163	Soil	1.9	40.4	10.2	116	0.3	29.3	17.5	1034	3.13	21.0	0.6	3.2	1.8	29	0.5	1.1	0.2	71	0.23 0.065
1086240	Soil	5.9	220.6	78.8	358	3.8	73.8	20.7	>10000	8.46	153.1	2.3	92.9	8.6	173	2.0	5.3	4.3	103	4.31 0.241
1086247	Soil	1.3	39.6	111.3	149	0.5	68.3	19.8	571	3.91	23.0	1.2	2.5	6.5	35	0.4	1.7	0.2	74	0.62 0.025
1086243	Soil	14.6	81.8	14.6	267	1.0	96.9	24.6	1457	4.77	29.8	2.9	5.9	3.7	51	3.7	3.7	0.2	91	0.26 0.120
1086249	Soil	1.4	45.2	31.0	116	0.2	55.6	17.6	994	3.88	166.6	1.2	6.0	10.1	20	0.3	4.5	0.2	49	0.32 0.040
1086245	Soil	0.6	88.4	10.9	90	0.2	65.2	36.1	568	6.31	3.7	0.6	2.1	1.2	35	0.1	0.4	<0.1	180	0.96 0.107
1086164	Soil	7.2	99.7	28.3	309	0.6	80.6	21.2	930	5.48	178.5	2.3	12.3	3.9	114	2.2	6.2	0.3	61	0.21 0.173
1086242	Soil	2.1	44.8	7.4	93	0.2	44.5	33.5	862	7.01	9.2	0.5	2.5	1.8	29	0.1	1.2	0.2	148	0.37 0.054
1086158	Soil	2.8	86.6	106.0	148	2.2	22.4	5.6	126	8.03	446.3	1.4	101.4	4.0	152	1.5	9.3	0.9	89	0.07 0.191
1086160	Soil	2.9	83.3	28.9	89	0.6	18.1	5.9	129	6.32	215.6	1.6	7.5	2.2	65	0.8	5.5	0.5	100	0.08 0.160
1086157	Soil	1.2	49.3	5.5	92	<0.1	48.5	25.2	1297	5.20	12.3	0.5	2.6	1.0	29	0.4	0.9	0.1	101	0.41 0.050
1086153	Soil	2.2	17.3	13.8	44	0.2	14.0	5.4	239	2.51	9.8	0.4	9.7	1.6	19	0.4	1.2	0.2	67	0.19 0.029
1086155	Soil	14.1	357.1	34.9	699	2.1	205.8	30.8	3631	9.45	115.3	4.1	10.8	6.3	42	3.6	32.5	0.4	107	0.13 0.130
1086159	Soil	1.6	49.5	17.5	78	0.2	38.8	11.9	278	4.02	71.2	1.3	11.1	3.9	27	0.3	1.8	0.2	76	0.15 0.065
1086156	Soil	0.8	57.1	6.7	57	0.2	43.3	18.7	681	3.47	9.2	0.5	4.8	1.1	35	0.3	1.1	<0.1	67	0.49 0.050
1086154	Soil	3.5	23.7	21.3	53	0.3	13.7	8.5	414	3.81	16.9	0.6	1.9	2.3	22	0.2	1.5	0.4	76	0.18 0.033
1086152	Soil	5.0	61.7	34.5	104	0.2	86.2	22.4	391	5.29	95.9	1.3	2.0	11.3	26	0.3	7.2	0.3	65	0.27 0.031
1086161	Soil	3.6	104.2	39.4	128	0.4	24.9	8.5	245	7.14	106.5	1.2	6.6	2.0	53	1.0	5.4	0.4	100	0.10 0.156

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Client: **Ryan Gold Corp.**  
600 - 666 Burrard St.  
Vancouver BC V6C 1H2 Canada

Project: VNS  
Report Date: August 25, 2011

Page: 11 of 13 Part 2

## CERTIFICATE OF ANALYSIS

WHI11000976.1

Method	Analyte	1DX15																	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1086236	Soil	42	26	0.38	299	0.008	<1	1.15	0.008	0.16	0.6	0.04	6.4	0.5	0.09	4	8.5	1.1	
1086234	Soil	17	38	0.66	166	0.100	<1	2.67	0.013	0.10	0.3	0.04	3.4	0.2	0.05	7	1.7	<0.2	
1086250	Soil	50	39	0.22	177	0.002	<1	1.39	0.004	0.07	0.2	0.07	7.8	0.2	<0.05	3	1.8	<0.2	
1086241	Soil	9	38	0.35	266	0.080	<1	1.71	0.007	0.05	0.1	0.02	2.6	0.1	<0.05	10	<0.5	<0.2	
1086232	Soil	15	35	0.42	89	0.061	<1	2.61	0.010	0.07	0.2	0.07	2.4	0.1	0.06	6	1.7	<0.2	
1086233	Soil	16	33	0.46	107	0.080	1	2.73	0.017	0.08	0.2	0.07	3.2	0.1	<0.05	5	1.4	<0.2	
1086238	Soil	52	11	0.08	289	0.001	<1	0.55	0.004	0.21	0.3	0.01	7.1	0.3	<0.05	2	2.8	0.5	
1085327	Soil	8	21	0.23	61	0.077	<1	1.26	0.018	0.04	<0.1	0.02	1.3	<0.1	<0.05	7	<0.5	<0.2	
1086239	Soil	44	9	0.07	227	<0.001	<1	0.44	0.003	0.15	0.2	0.01	6.5	0.2	<0.05	1	2.2	0.4	
1086165	Soil	9	44	0.77	460	0.034	<1	2.79	0.013	0.11	0.1	0.02	4.3	0.2	<0.05	6	0.7	<0.2	
1086244	Soil	10	43	0.65	255	0.077	<1	2.30	0.009	0.08	0.2	0.05	2.9	0.1	<0.05	7	0.8	<0.2	
1086246	Soil	19	54	0.82	279	0.028	<1	2.08	0.005	0.07	2.6	0.02	5.5	0.2	<0.05	6	0.6	<0.2	
1086163	Soil	8	34	0.47	593	0.047	<1	1.81	0.012	0.08	0.1	0.01	2.4	0.1	<0.05	6	<0.5	<0.2	
1086240	Soil	21	29	2.91	1631	0.002	<1	1.33	0.004	0.08	0.1	0.04	7.2	0.3	0.14	5	4.5	0.6	
1086247	Soil	21	68	1.00	147	0.102	<1	2.93	0.029	0.09	0.2	0.03	6.4	0.2	<0.05	9	0.8	<0.2	
1086243	Soil	11	39	0.70	310	0.058	<1	2.23	0.010	0.07	0.3	0.04	3.3	0.2	<0.05	5	2.8	<0.2	
1086249	Soil	28	44	1.31	178	0.028	<1	2.07	0.008	0.18	0.2	0.02	5.8	0.2	<0.05	7	<0.5	<0.2	
1086245	Soil	18	159	2.33	224	0.190	<1	3.97	0.031	0.19	0.1	0.04	19.1	0.3	<0.05	12	0.6	<0.2	
1086164	Soil	17	33	0.34	879	0.008	4	1.92	0.013	0.20	0.2	0.03	4.4	0.4	0.23	5	2.9	<0.2	
1086242	Soil	8	55	2.63	3242	0.334	2	3.90	0.016	0.50	0.9	0.02	6.5	0.3	<0.05	13	<0.5	<0.2	
1086158	Soil	11	36	0.13	187	0.005	2	1.73	0.011	0.63	0.2	0.04	2.8	1.0	1.15	5	2.2	0.6	
1086160	Soil	7	28	0.17	530	0.015	<1	1.64	0.013	0.31	0.2	0.03	2.8	0.6	0.54	6	1.2	0.2	
1086157	Soil	6	69	0.82	485	0.017	2	2.44	0.019	0.08	<0.1	0.02	9.5	0.3	<0.05	8	0.6	<0.2	
1086153	Soil	10	22	0.26	203	0.054	1	1.02	0.010	0.05	0.1	0.01	1.9	<0.1	<0.05	7	0.6	<0.2	
1086155	Soil	13	47	0.24	1287	0.029	2	2.55	0.011	0.09	0.3	0.10	9.7	0.3	0.07	7	6.9	0.4	
1086159	Soil	9	38	0.59	355	0.074	2	2.70	0.015	0.09	0.2	<0.01	4.1	0.2	0.05	8	<0.5	<0.2	
1086156	Soil	6	51	0.82	315	0.050	1	1.55	0.033	0.05	<0.1	0.03	8.2	0.1	<0.05	5	<0.5	<0.2	
1086154	Soil	9	21	0.36	246	0.020	<1	2.25	0.009	0.10	<0.1	0.02	2.5	0.1	<0.05	9	<0.5	<0.2	
1086152	Soil	30	54	1.63	553	0.013	<1	3.71	0.008	0.11	0.2	0.01	5.9	0.3	<0.05	10	<0.5	<0.2	
1086161	Soil	9	31	0.24	789	0.029	<1	1.67	0.011	0.17	0.2	0.03	3.0	0.3	0.22	8	0.9	0.3	

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**Client:**

Ryan Gold Corp

Ryan Gold  
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Vancouver BC V6C 1H2 Canada

Project: VNS

Report Date: August 25, 2011

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Page: 12 of 13 Part 1

## CERTIFICATE OF ANALYSIS

WHI11000976.1

Method	Analyte	1DX15																			
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V		
		Unit	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%								
		MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1085302	Soil	2.3	20.6	11.1	49	<0.1	15.7	6.1	217	2.40	8.2	0.7	3.5	0.5	16	0.2	0.8	0.2	58	0.14	0.052
1085301	Soil	1.9	24.3	26.7	84	<0.1	24.8	12.3	1048	3.53	11.7	1.0	5.2	1.4	21	0.3	0.8	0.3	54	0.27	0.071
1085319	Soil	1.7	27.3	17.6	63	0.4	15.2	9.4	849	2.65	8.2	1.7	2.1	0.9	47	0.2	0.5	0.2	42	0.49	0.095
1085324	Soil	1.3	25.5	12.2	74	0.1	20.1	8.9	475	2.83	9.0	1.0	4.8	3.2	22	0.4	0.6	0.2	50	0.31	0.081
1085315	Soil	1.4	20.6	17.0	74	<0.1	14.0	9.3	503	2.77	6.3	0.8	2.6	3.1	26	0.3	0.5	<0.1	42	0.36	0.116
1085321	Soil	1.6	25.8	8.3	42	0.2	13.3	6.2	240	2.13	5.0	4.0	5.2	0.9	56	0.1	0.4	0.2	39	0.76	0.100
1085328	Soil	3.9	28.0	14.3	65	<0.1	19.6	7.1	206	4.17	13.2	0.6	6.9	2.4	19	0.2	1.4	0.3	105	0.13	0.027
1085311	Soil	1.6	26.6	30.5	101	0.2	20.0	11.6	1103	3.26	38.7	1.3	5.6	2.5	111	0.4	0.8	0.2	53	0.34	0.093
1085330	Soil	3.9	24.5	23.7	73	<0.1	18.0	8.4	430	4.42	14.5	0.6	2.4	2.3	19	0.3	1.2	0.3	100	0.17	0.043
1085488	Soil	0.4	6.5	2.2	19	<0.1	2.7	3.0	74	1.15	0.6	0.2	1.2	0.2	9	0.1	<0.1	<0.1	40	0.08	0.019
1085322	Soil	1.7	22.6	35.2	87	<0.1	17.6	8.5	567	2.71	9.5	1.1	2.8	2.5	23	0.3	0.7	0.3	45	0.32	0.081
1085487	Soil	2.4	25.9	63.6	143	0.1	31.0	15.0	857	3.63	11.5	1.0	3.3	2.3	21	0.6	0.7	0.3	63	0.26	0.076
1085331	Soil	1.8	23.2	42.7	99	0.1	19.0	9.2	559	2.77	8.5	1.1	3.0	2.2	23	0.4	0.5	0.2	49	0.32	0.075
1085323	Soil	1.6	26.2	27.5	70	0.3	16.1	9.7	699	2.54	8.8	1.2	3.1	1.1	24	0.3	0.5	0.2	46	0.30	0.075
1085306	Soil	1.6	21.6	10.6	59	0.3	13.7	10.2	830	2.77	11.0	0.8	6.7	0.9	29	0.2	0.6	0.2	46	0.45	0.085
1085305	Soil	1.3	23.1	14.0	63	<0.1	18.7	9.7	628	2.79	6.8	0.9	2.5	1.2	21	0.2	0.6	0.2	50	0.32	0.079
1085303	Soil	2.3	22.2	11.4	54	<0.1	16.0	6.7	253	2.52	7.8	0.7	4.8	0.5	17	0.2	0.8	0.2	61	0.16	0.055
1085310	Soil	1.8	34.0	21.2	116	<0.1	29.7	13.3	760	3.31	17.4	1.1	3.9	2.4	25	0.5	0.8	0.3	59	0.31	0.080
1085309	Soil	1.7	34.4	15.6	99	0.2	25.8	12.5	758	3.38	12.5	1.5	5.4	3.0	32	0.3	0.7	0.2	62	0.39	0.104
1085325	Soil	1.7	25.9	14.2	47	0.2	14.0	7.3	329	2.69	7.5	0.8	3.5	0.8	19	0.2	0.6	0.2	63	0.20	0.066
1085318	Soil	1.7	22.8	10.9	57	0.2	16.1	9.3	669	2.62	6.3	0.9	4.0	1.1	25	0.2	0.5	0.2	51	0.28	0.078
1085326	Soil	2.7	35.5	17.3	77	0.1	19.1	9.1	456	3.36	10.7	0.8	6.4	1.0	19	0.2	1.1	0.3	80	0.19	0.055
1085316	Soil	1.6	21.7	11.5	55	0.3	10.7	8.4	558	2.42	5.0	1.4	2.3	1.0	45	<0.1	0.5	0.2	35	0.40	0.104
1085498	Soil	2.3	29.3	37.2	95	0.3	17.6	11.5	834	3.35	11.5	2.4	4.8	1.8	45	0.2	0.7	0.3	47	0.44	0.115
1085304	Soil	1.3	24.0	12.8	60	<0.1	19.1	9.7	610	2.88	7.8	0.8	8.8	1.0	21	<0.1	0.6	0.2	54	0.28	0.072
1086166	Soil	5.2	303.1	32.9	471	0.5	125.2	30.3	1210	6.23	75.5	3.3	26.3	4.0	54	9.5	5.5	0.3	67	0.18	0.121
1086231	Soil	3.2	104.7	14.3	164	0.6	57.2	14.9	421	4.43	35.5	1.6	5.0	2.8	22	1.4	2.5	0.2	85	0.15	0.090
1086162	Soil	9.3	98.6	25.3	63	0.9	20.3	5.8	133	4.72	137.3	1.5	10.1	3.9	89	0.3	5.3	0.4	93	0.07	0.126
1085314	Soil	2.9	17.6	13.2	86	0.1	13.7	10.6	612	2.95	8.3	0.7	5.0	1.6	26	0.2	0.7	0.2	40	0.25	0.080
1085313	Soil	2.3	29.2	34.7	87	0.3	16.3	10.2	735	3.18	11.1	2.2	5.4	1.8	43	0.2	0.8	0.3	46	0.44	0.117

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Page: 12 of 13 Part 2

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Method	Analyte	1DX15																	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1085302	Soil	10	19	0.25	94	0.025	1	1.38	0.007	0.06	<0.1	0.04	1.5	0.1	<0.05	6	<0.5	<0.2	
1085301	Soil	18	29	0.57	172	0.038	1	2.00	0.010	0.13	0.1	0.05	2.4	0.2	<0.05	6	<0.5	<0.2	
1085319	Soil	24	21	0.38	279	0.023	1	1.69	0.019	0.09	<0.1	0.05	2.6	0.1	<0.05	5	0.5	<0.2	
1085324	Soil	16	26	0.45	113	0.066	<1	1.51	0.014	0.09	0.2	0.02	2.6	0.1	<0.05	5	<0.5	<0.2	
1085315	Soil	16	19	0.59	117	0.046	<1	1.38	0.014	0.08	0.1	0.05	2.2	0.1	<0.05	4	<0.5	<0.2	
1085321	Soil	19	20	0.38	187	0.033	1	1.69	0.022	0.07	<0.1	0.05	2.4	<0.1	<0.05	5	0.5	<0.2	
1085328	Soil	11	26	0.26	85	0.082	<1	1.73	0.007	0.04	<0.1	0.02	2.5	<0.1	<0.05	12	<0.5	<0.2	
1085311	Soil	27	26	0.58	290	0.047	<1	1.98	0.014	0.09	0.1	0.03	2.8	0.1	<0.05	6	<0.5	<0.2	
1085330	Soil	10	29	0.36	88	0.081	14	1.95	0.008	0.05	<0.1	0.03	2.3	0.1	<0.05	11	<0.5	<0.2	
1085488	Soil	1	5	0.05	19	0.055	<1	0.35	0.023	0.03	<0.1	0.01	1.1	<0.1	<0.05	3	0.5	<0.2	
1085322	Soil	19	22	0.41	112	0.050	1	1.35	0.016	0.09	0.1	0.03	2.4	<0.1	<0.05	5	<0.5	<0.2	
1085487	Soil	18	30	0.41	136	0.046	<1	2.34	0.014	0.08	0.2	0.06	2.8	0.1	<0.05	8	<0.5	<0.2	
1085331	Soil	18	23	0.42	123	0.046	1	1.54	0.015	0.09	0.2	0.04	2.3	<0.1	<0.05	6	0.5	<0.2	
1085323	Soil	20	22	0.35	116	0.043	1	1.55	0.019	0.09	0.2	0.03	2.2	0.1	<0.05	5	1.0	<0.2	
1085306	Soil	16	18	0.42	205	0.017	<1	1.41	0.012	0.07	<0.1	0.09	2.5	0.2	<0.05	5	0.6	<0.2	
1085305	Soil	13	25	0.50	131	0.054	<1	1.52	0.014	0.08	0.1	0.03	1.9	<0.1	<0.05	5	<0.5	<0.2	
1085303	Soil	11	20	0.28	102	0.030	1	1.51	0.007	0.06	<0.1	0.02	1.7	<0.1	<0.05	7	1.0	<0.2	
1085310	Soil	18	35	0.68	124	0.067	<1	2.17	0.017	0.09	0.1	0.02	3.0	0.1	<0.05	7	0.5	<0.2	
1085309	Soil	25	32	0.64	111	0.102	<1	2.08	0.018	0.09	0.2	0.05	3.4	0.1	<0.05	7	0.7	<0.2	
1085325	Soil	14	19	0.25	79	0.053	<1	1.57	0.017	0.05	0.1	0.04	1.9	<0.1	<0.05	7	0.5	<0.2	
1085318	Soil	12	22	0.36	179	0.042	1	1.57	0.021	0.08	0.1	0.05	2.4	<0.1	<0.05	6	0.6	<0.2	
1085326	Soil	11	25	0.34	92	0.061	1	1.67	0.012	0.06	0.1	0.04	1.9	0.1	<0.05	9	<0.5	<0.2	
1085316	Soil	21	16	0.40	187	0.013	<1	1.39	0.024	0.08	<0.1	0.07	2.0	0.1	0.11	4	0.8	<0.2	
1085498	Soil	29	27	0.56	266	0.013	<1	1.90	0.018	0.09	0.1	0.06	3.7	0.2	0.07	6	0.9	<0.2	
1085304	Soil	11	27	0.54	154	0.039	2	1.74	0.010	0.06	0.1	<0.01	2.0	0.1	<0.05	6	<0.5	<0.2	
1086166	Soil	10	31	0.43	1396	0.045	4	2.82	0.012	0.08	0.2	<0.01	5.6	0.2	0.06	5	2.6	<0.2	
1086231	Soil	10	45	0.72	578	0.052	3	2.67	0.021	0.08	0.1	<0.01	4.0	0.1	<0.05	8	0.6	<0.2	
1086162	Soil	11	39	0.27	813	0.013	1	2.19	0.012	0.17	0.1	<0.01	2.6	0.6	0.23	6	2.7	0.4	
1085314	Soil	12	19	0.57	108	0.029	1	1.46	0.017	0.08	<0.1	0.14	1.9	0.2	0.06	4	<0.5	<0.2	
1085313	Soil	28	26	0.55	264	0.013	1	1.88	0.019	0.09	<0.1	0.04	3.5	0.2	0.09	5	<0.5	<0.2	

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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## Acme Analytical Laboratories (Vancouver) Ltd.

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Project: VNS  
Report Date: August 25, 2011

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Page: 13 of 13 Part 1

## CERTIFICATE OF ANALYSIS

WHI11000976.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	%	%	%								
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1085307	Soil	2.0	32.5	15.4	71	0.3	21.6	12.5	697	2.96	11.9	1.3	6.0	0.8	42	0.2	0.8	0.2	47	0.50	0.105
1085320	Soil	2.1	22.7	16.1	74	0.1	16.6	8.7	534	2.89	7.8	1.1	5.7	1.6	26	0.2	0.5	0.2	47	0.33	0.081
1085332	Soil	2.6	31.8	82.9	142	0.2	27.0	13.5	756	3.28	11.7	1.0	10.1	1.2	22	0.7	0.7	0.2	62	0.26	0.081
1085312	Soil	1.7	25.7	17.5	88	0.1	18.5	10.9	913	3.18	17.6	0.9	4.5	1.2	30	0.4	0.6	0.2	56	0.31	0.099
1085317	Soil	1.2	26.1	13.9	69	<0.1	21.2	11.4	740	3.36	7.9	0.8	3.2	2.6	27	0.1	0.5	0.2	56	0.32	0.089
1085308	Soil	1.6	30.1	13.6	80	0.2	21.6	11.6	711	3.17	12.4	1.2	6.2	2.0	43	0.2	0.7	0.2	63	0.48	0.104
1085329	Soil	2.2	32.8	29.9	99	0.1	28.0	11.9	658	3.46	10.8	1.3	9.0	3.8	23	0.3	0.6	0.2	67	0.30	0.098
1086151	Soil	1.6	34.8	14.3	75	0.2	34.7	13.6	916	3.53	16.9	0.8	1.1	4.0	33	0.3	1.5	0.2	73	0.42	0.037



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Project: VNS  
Report Date: August 25, 2011

Page: 13 of 13 Part 2

## CERTIFICATE OF ANALYSIS

WHI11000976.1

Method	Analyte	1DX15																
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1085307	Soil	21	28	0.67	181	0.035	2	1.88	0.026	0.10	<0.1	0.05	2.5	0.2	0.09	6	1.0	<0.2
1085320	Soil	18	22	0.39	129	0.042	<1	1.49	0.013	0.09	<0.1	<0.01	2.0	<0.1	<0.05	5	<0.5	<0.2
1085332	Soil	15	31	0.49	124	0.048	2	2.17	0.017	0.08	0.1	0.04	2.3	0.1	<0.05	7	0.8	<0.2
1085312	Soil	17	26	0.50	157	0.042	1	1.90	0.015	0.09	<0.1	0.03	2.2	<0.1	<0.05	6	<0.5	<0.2
1085317	Soil	15	28	0.64	244	0.045	1	2.01	0.015	0.09	<0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
1085308	Soil	22	35	0.68	126	0.068	<1	1.83	0.026	0.11	<0.1	0.03	3.2	0.1	<0.05	6	<0.5	<0.2
1085329	Soil	19	36	0.57	156	0.064	<1	2.24	0.012	0.08	0.2	<0.01	3.3	0.1	<0.05	6	<0.5	<0.2
1086151	Soil	15	40	0.67	357	0.061	<1	2.45	0.017	0.09	0.1	<0.01	4.4	0.2	<0.05	8	<0.5	<0.2



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Report Date: August 25, 2011

August 25, 2011

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Page:

1 of 3 Part

## QUALITY CONTROL REPORT

WHI11000976.1

Method	Analyte	1DX15																			
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	%	%						
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
1081354	Soil	1.4	24.8	15.5	76	0.1	31.5	12.0	631	2.94	32.3	0.9	7.3	3.0	17	0.3	0.6	0.2	62	0.20	0.029
REP 1081354	QC	1.3	24.7	15.2	78	0.1	31.9	12.3	665	3.01	33.1	0.8	3.9	2.9	17	0.3	0.6	0.2	62	0.20	0.030
1081359	Soil	0.7	25.8	10.8	64	<0.1	27.0	10.7	430	2.47	7.8	0.6	2.7	2.5	18	0.2	0.4	0.2	57	0.22	0.032
REP 1081359	QC	0.7	26.3	11.0	64	<0.1	26.3	10.6	433	2.48	7.5	0.6	1.9	2.4	18	0.2	0.4	0.2	56	0.21	0.033
1081104	Soil	2.1	28.2	29.3	79	0.1	23.0	9.6	436	2.87	8.8	0.7	2.5	0.6	39	0.4	0.7	0.3	62	0.29	0.063
REP 1081104	QC	1.9	28.6	29.8	85	0.1	23.5	9.9	433	2.98	8.3	0.8	2.3	0.7	39	0.4	0.6	0.3	65	0.30	0.067
1081107	Soil	3.4	28.4	14.9	75	<0.1	25.0	10.3	464	3.27	11.5	0.8	1.5	1.1	13	0.2	0.9	0.2	77	0.10	0.039
REP 1081107	QC	3.6	28.8	14.7	75	<0.1	23.7	10.7	475	3.27	11.3	0.8	4.7	1.1	12	0.3	1.0	0.2	77	0.10	0.037
1081189	Soil	1.0	27.0	9.9	56	<0.1	19.2	9.2	500	2.42	6.7	0.8	1.7	1.2	20	0.1	0.6	0.2	54	0.20	0.051
REP 1081189	QC	1.1	26.5	9.5	60	<0.1	21.3	9.3	512	2.55	6.5	0.8	8.1	1.2	21	0.2	0.6	0.2	55	0.20	0.051
1086278	Soil	2.0	37.1	12.3	68	<0.1	23.6	10.0	410	2.80	9.4	0.6	2.8	1.2	20	0.2	0.8	0.2	60	0.20	0.055
REP 1086278	QC	2.0	36.2	11.7	65	<0.1	21.9	9.8	392	2.75	9.4	0.6	3.4	1.1	20	0.2	0.9	0.2	58	0.20	0.055
1086294	Soil	2.1	39.3	9.7	76	<0.1	19.7	11.9	564	3.70	28.1	0.7	1.9	1.4	16	0.2	1.2	0.2	64	0.18	0.057
REP 1086294	QC	2.2	39.1	10.2	74	<0.1	20.0	11.5	573	3.75	28.5	0.7	1.9	1.5	16	0.2	1.2	0.2	63	0.17	0.057
1086292	Soil	3.7	42.7	36.9	135	0.2	27.7	15.4	1264	3.95	12.8	0.7	1.7	1.2	30	1.2	0.8	0.3	86	0.34	0.073
REP 1086292	QC	3.8	42.1	39.5	135	0.3	28.1	15.5	1263	3.92	12.8	0.7	7.0	1.3	31	1.3	0.9	0.3	88	0.34	0.079
1001791	Soil	1.6	25.4	14.9	74	0.2	24.5	9.2	477	2.65	7.8	1.3	5.7	2.1	24	0.2	0.6	0.3	58	0.26	0.064
REP 1001791	QC	1.5	26.4	14.8	73	0.2	25.5	9.3	480	2.69	7.8	1.3	2.3	2.1	25	0.2	0.6	0.3	59	0.26	0.061
1001794	Soil	1.0	32.7	10.2	67	<0.1	28.4	12.2	518	2.94	7.9	0.8	1.9	2.9	20	0.2	0.6	0.2	66	0.23	0.053
REP 1001794	QC	1.0	33.2	10.1	68	<0.1	27.9	12.1	510	2.89	7.8	0.8	2.3	2.9	20	0.2	0.5	0.2	64	0.23	0.052
1085491	Soil	0.9	25.2	9.6	60	<0.1	21.3	10.2	432	2.65	9.4	0.6	4.5	1.7	38	0.2	0.5	0.2	51	0.15	0.038
REP 1085491	QC	1.2	25.5	9.4	61	<0.1	20.7	10.2	432	2.60	9.0	0.6	3.7	1.9	37	0.2	0.5	0.2	50	0.16	0.039
1001694	Soil	1.2	24.6	14.3	62	<0.1	20.2	10.8	694	2.64	9.4	0.7	2.7	2.1	16	0.1	0.5	0.2	52	0.21	0.075
REP 1001694	QC	1.1	24.8	14.2	61	<0.1	19.8	10.5	681	2.60	9.0	0.7	3.0	2.1	16	<0.1	0.6	0.2	53	0.22	0.074
1081048	Soil	5.7	57.8	19.3	85	0.1	24.9	9.4	324	3.55	13.5	0.8	2.9	3.5	27	0.4	0.5	0.3	62	0.29	0.050
REP 1081048	QC	5.7	57.6	19.5	87	0.2	25.5	9.4	318	3.58	13.5	0.8	2.6	3.4	25	0.4	0.5	0.2	62	0.28	0.048
1081341	Soil	2.8	56.7	43.4	155	0.7	23.9	7.9	299	1.93	31.6	1.3	2.0	1.2	46	2.3	0.7	0.2	57	0.46	0.065
REP 1081341	QC	3.1	57.7	44.0	157	0.7	24.6	7.8	306	1.91	31.1	1.2	4.3	1.4	46	2.3	0.6	0.3	54	0.46	0.063

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project:

VNS

Report Date:

August 25, 2011

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1 of 3 Part 2

## QUALITY CONTROL REPORT

WHI11000976.1

Method Analyte Unit MDL	1DX15																	
	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
1081354	Soil	15	32	0.58	145	0.086	2	1.87	0.013	0.07	0.2	0.03	2.7	0.1	<0.05	5	0.9	<0.2
REP 1081354	QC	15	32	0.59	148	0.084	2	1.89	0.013	0.07	0.2	0.01	2.6	<0.1	<0.05	5	0.7	<0.2
1081359	Soil	11	34	0.58	94	0.099	2	2.23	0.013	0.06	0.2	0.04	2.7	<0.1	<0.05	5	0.7	<0.2
REP 1081359	QC	12	34	0.58	94	0.099	2	2.22	0.014	0.06	0.1	0.03	2.6	<0.1	<0.05	5	1.0	<0.2
1081104	Soil	11	28	0.44	118	0.040	<1	1.84	0.010	0.10	0.2	0.03	1.8	0.2	<0.05	6	<0.5	<0.2
REP 1081104	QC	11	28	0.46	117	0.045	<1	1.92	0.011	0.10	0.1	0.04	1.7	0.2	<0.05	6	<0.5	<0.2
1081107	Soil	13	35	0.47	60	0.068	1	2.03	0.007	0.09	<0.1	0.03	2.1	0.1	<0.05	8	<0.5	<0.2
REP 1081107	QC	12	33	0.46	59	0.063	<1	2.00	0.007	0.08	0.1	0.03	1.9	0.1	<0.05	8	<0.5	<0.2
1081189	Soil	9	25	0.46	99	0.056	1	1.39	0.011	0.05	<0.1	0.03	1.6	<0.1	<0.05	5	<0.5	<0.2
REP 1081189	QC	9	26	0.47	100	0.059	1	1.39	0.011	0.06	0.2	0.03	1.7	<0.1	<0.05	5	<0.5	<0.2
1086278	Soil	9	26	0.41	91	0.058	1	1.48	0.011	0.04	0.2	0.02	1.8	<0.1	<0.05	6	<0.5	<0.2
REP 1086278	QC	9	25	0.41	88	0.058	1	1.47	0.011	0.04	0.1	0.03	1.7	<0.1	0.06	5	<0.5	<0.2
1086294	Soil	13	29	0.57	158	0.016	<1	2.17	0.008	0.10	0.1	0.02	2.6	0.4	<0.05	7	<0.5	<0.2
REP 1086294	QC	13	29	0.56	155	0.014	<1	2.13	0.009	0.10	0.1	0.03	2.6	0.4	<0.05	7	<0.5	<0.2
1086292	Soil	15	35	0.58	146	0.062	<1	2.22	0.013	0.10	0.1	0.03	2.5	0.1	<0.05	10	<0.5	<0.2
REP 1086292	QC	15	35	0.62	151	0.061	<1	2.35	0.015	0.10	0.1	0.02	2.6	0.1	0.06	10	<0.5	<0.2
1001791	Soil	28	35	0.57	136	0.047	1	2.11	0.013	0.10	0.1	0.03	3.0	0.1	<0.05	6	<0.5	<0.2
REP 1001791	QC	27	37	0.56	135	0.048	1	2.10	0.013	0.10	0.1	0.04	3.3	0.1	<0.05	6	0.5	<0.2
1001794	Soil	15	35	0.57	117	0.094	2	2.19	0.014	0.07	0.2	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
REP 1001794	QC	14	34	0.58	118	0.092	1	2.14	0.014	0.07	0.1	0.02	2.8	0.1	<0.05	6	<0.5	<0.2
1085491	Soil	11	26	0.56	140	0.058	<1	1.52	0.009	0.06	0.2	0.02	2.0	<0.1	<0.05	5	0.5	<0.2
REP 1085491	QC	11	26	0.57	139	0.059	<1	1.54	0.009	0.06	0.2	0.02	2.0	<0.1	<0.05	4	0.6	<0.2
1001694	Soil	14	27	0.50	108	0.058	<1	1.58	0.008	0.09	0.1	<0.01	2.2	0.1	<0.05	5	<0.5	<0.2
REP 1001694	QC	14	28	0.50	110	0.058	<1	1.58	0.009	0.08	0.2	0.02	2.3	0.1	<0.05	5	<0.5	<0.2
1081048	Soil	13	32	0.53	128	0.060	2	1.98	0.012	0.08	0.2	0.02	2.7	0.1	<0.05	6	0.6	<0.2
REP 1081048	QC	12	31	0.51	126	0.049	1	1.92	0.011	0.08	0.2	<0.01	2.6	<0.1	<0.05	6	<0.5	<0.2
1081341	Soil	9	23	0.37	92	0.055	1	1.18	0.016	0.09	0.2	0.02	2.2	0.1	<0.05	4	1.3	<0.2
REP 1081341	QC	9	23	0.36	90	0.044	<1	1.13	0.015	0.09	0.2	0.02	1.9	0.1	0.05	4	1.4	<0.2

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## Project

VNS

Report Date: August 25, 2011

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Page:

2 of 3 Part

# QUALITY CONTROL REPORT

WHI11000976.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15																			
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P					
		ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%												
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001					
1081336	Soil	3.2	50.0	26.2	213	0.8	25.1	9.4	330	3.71	337.9	2.6	4.5	7.0	28	1.1	1.4	0.9	62	0.21	0.060					
REP 1081336	QC	3.4	50.3	26.4	212	0.8	25.9	9.3	321	3.66	344.0	2.5	7.8	7.1	28	1.0	1.2	0.9	59	0.20	0.060					
1086232	Soil	6.0	45.9	34.8	97	0.5	27.3	9.5	335	3.89	239.0	3.1	11.9	4.7	14	0.3	1.1	0.4	58	0.13	0.064					
REP 1086232	QC	6.0	44.9	35.1	94	0.5	26.4	9.5	335	3.89	242.4	3.0	8.9	5.2	13	0.4	1.1	0.4	56	0.13	0.066					
1085324	Soil	1.3	25.5	12.2	74	0.1	20.1	8.9	475	2.83	9.0	1.0	4.8	3.2	22	0.4	0.6	0.2	50	0.31	0.081					
REP 1085324	QC	1.2	26.2	12.6	76	<0.1	19.9	9.0	468	2.80	9.1	1.0	8.8	3.3	22	0.3	0.5	0.2	51	0.30	0.080					
1085328	Soil	3.9	28.0	14.3	65	<0.1	19.6	7.1	206	4.17	13.2	0.6	6.9	2.4	19	0.2	1.4	0.3	105	0.13	0.027					
REP 1085328	QC	3.6	27.8	14.0	64	<0.1	19.9	6.9	203	4.02	13.2	0.6	4.4	2.3	18	0.2	1.2	0.3	104	0.13	0.026					
1085307	Soil	2.0	32.5	15.4	71	0.3	21.6	12.5	697	2.96	11.9	1.3	6.0	0.8	42	0.2	0.8	0.2	47	0.50	0.105					
REP 1085307	QC	1.7	34.2	15.0	72	0.3	21.6	12.5	680	2.97	12.0	1.4	11.1	0.8	42	0.1	0.7	0.3	47	0.48	0.099					
Reference Materials																										
STD DS8	Standard	14.0	122.0	113.5	340	2.0	40.7	8.5	662	2.71	26.5	2.6	118.0	6.3	62	2.4	5.5	6.1	45	0.71	0.085					
STD DS8	Standard	14.3	109.9	126.1	312	1.7	37.4	7.6	626	2.53	25.8	2.8	102.4	6.9	68	2.1	5.6	6.2	44	0.70	0.078					
STD DS8	Standard	13.4	111.9	95.6	303	1.7	38.3	7.6	610	2.32	24.9	2.2	109.8	5.5	59	2.1	4.9	5.3	43	0.70	0.074					
STD DS8	Standard	13.0	110.1	111.3	301	1.7	38.9	7.8	596	2.41	24.6	2.3	111.8	5.9	63	2.4	4.9	5.7	42	0.67	0.077					
STD DS8	Standard	13.0	110.9	117.4	303	1.8	38.0	7.4	592	2.42	26.0	2.6	142.3	6.2	63	2.4	5.4	6.6	42	0.65	0.080					
STD DS8	Standard	12.8	105.6	125.2	322	1.9	37.1	7.3	651	2.59	27.1	2.8	119.1	6.5	71	2.5	5.8	6.8	42	0.76	0.087					
STD DS8	Standard	12.6	103.7	118.7	295	1.8	36.0	7.2	583	2.35	23.1	2.5	101.0	6.5	62	2.1	5.0	6.0	40	0.65	0.074					
STD DS8	Standard	12.3	104.8	119.0	301	1.7	36.0	7.0	587	2.39	22.8	2.6	101.5	6.7	61	2.0	5.2	6.1	41	0.68	0.074					
STD DS8	Standard	11.9	105.8	117.2	303	1.7	34.4	7.0	577	2.34	23.3	2.5	108.8	6.3	64	2.4	5.8	6.6	39	0.65	0.075					
STD DS8	Standard	13.5	114.5	124.4	315	1.8	39.5	7.6	636	2.50	25.8	2.9	111.7	7.1	73	2.3	5.6	6.7	43	0.73	0.080					
STD DS8	Standard	13.9	114.6	121.4	316	1.8	38.7	7.9	624	2.53	25.8	2.8	115.4	7.0	73	2.4	5.9	6.9	45	0.72	0.080					
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08					
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001					
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001					
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001					
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001					
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001					
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001					

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**Project:** VNS  
**Report Date:** August 25, 2011

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**Page:** 2 of 3    **Part** 2

## QUALITY CONTROL REPORT

WHI11000976.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1081336	Soil	26	34	0.48	144	0.065	<1	2.02	0.015	0.15	0.2	0.03	2.7	0.3	0.08	7	1.2	0.2
REP 1081336	QC	26	33	0.44	144	0.057	<1	1.94	0.015	0.15	0.2	0.03	2.4	0.3	0.07	7	1.3	<0.2
1086232	Soil	15	35	0.42	89	0.061	<1	2.61	0.010	0.07	0.2	0.07	2.4	0.1	0.06	6	1.7	<0.2
REP 1086232	QC	14	34	0.42	90	0.053	<1	2.70	0.010	0.06	0.2	0.07	2.4	0.1	0.06	6	1.9	<0.2
1085324	Soil	16	26	0.45	113	0.066	<1	1.51	0.014	0.09	0.2	0.02	2.6	0.1	<0.05	5	<0.5	<0.2
REP 1085324	QC	16	26	0.44	111	0.065	<1	1.46	0.013	0.08	0.2	0.01	2.3	0.1	<0.05	5	<0.5	<0.2
1085328	Soil	11	26	0.26	85	0.082	<1	1.73	0.007	0.04	<0.1	0.02	2.5	<0.1	<0.05	12	<0.5	<0.2
REP 1085328	QC	10	25	0.24	86	0.067	<1	1.59	0.007	0.03	0.1	0.02	2.2	0.1	<0.05	11	0.6	<0.2
1085307	Soil	21	28	0.67	181	0.035	2	1.88	0.026	0.10	<0.1	0.05	2.5	0.2	0.09	6	1.0	<0.2
REP 1085307	QC	22	29	0.66	183	0.045	3	1.88	0.028	0.11	0.2	0.02	2.4	0.2	<0.05	6	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	14	127	0.62	289	0.116	2	0.90	0.092	0.44	3.1	0.23	2.3	5.8	0.13	5	5.8	5.1
STD DS8	Standard	15	121	0.61	276	0.117	4	0.94	0.104	0.43	2.9	0.18	3.6	5.4	0.17	5	5.0	5.0
STD DS8	Standard	13	112	0.61	272	0.104	<1	0.89	0.093	0.44	2.9	0.21	2.3	5.1	0.15	5	5.7	4.2
STD DS8	Standard	13	124	0.56	282	0.115	2	0.92	0.093	0.44	3.1	0.19	2.8	5.4	0.13	4	5.2	5.0
STD DS8	Standard	13	114	0.58	270	0.111	<1	0.85	0.084	0.41	2.7	0.20	1.9	5.2	0.12	4	4.7	4.9
STD DS8	Standard	14	113	0.65	290	0.106	4	0.95	0.100	0.48	3.2	0.19	3.6	5.4	0.16	5	5.8	6.4
STD DS8	Standard	15	113	0.58	260	0.109	2	0.85	0.087	0.39	2.7	0.18	2.9	5.2	0.17	4	5.2	5.5
STD DS8	Standard	15	114	0.57	251	0.107	2	0.87	0.086	0.40	2.9	0.20	2.7	5.1	0.12	5	5.5	4.9
STD DS8	Standard	12	107	0.57	264	0.115	3	0.85	0.080	0.39	2.9	0.20	2.0	5.1	0.15	4	5.3	4.7
STD DS8	Standard	17	120	0.63	290	0.130	3	0.95	0.096	0.42	3.1	0.20	2.3	5.6	0.17	5	5.0	4.9
STD DS8	Standard	17	121	0.63	291	0.130	3	0.97	0.103	0.42	3.1	0.19	2.5	5.4	0.17	5	5.4	4.8
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Page: 3 of 3 Part 1

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WHI11000976.1



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Page: 3 of 3 Part 2

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