

Memorandum Report of 2013 Surface Work

On the

Sulphur Property

SU 1 to 452	YD28201 to YD28652
US 1 to 84	YD06601 to YD06684
US 85 to 91	YD17723 to YD17729

**Dawson Mining District, Yukon
NTS Sheet 115O14 & 115O10
63°42'N. Lat., 138°47'W. Long.**

Operated by and Recorded to



**By
Mark Fekete, P.Geo.
and
Marty Huber, B.Sc., G.I.T
January 7, 2014**

Table of Contents

<i>Table of Contents</i>	<i>ii</i>
<i>List of Figures</i>	<i>ii</i>
<i>List of Tables</i>	<i>ii</i>
<i>Certificate of Qualifications</i>	<i>iii</i>
<i>Certificate of Qualifications</i>	<i>iv</i>

Introduction and Terms of Reference	1
Location, Property Information and Access	1
Previous Work	1
Geological Context and Deposit Model	4
2013 Exploration	4
Reclamation.....	10
Prospecting	10
Soil Geochemical Work	10
Geoprobe® Geochemical Sampling	11
Trenching	11
Induced Polarization and Resistivity Survey	15
Interpretations and Conclusions	15
Recommendations	24
References	24

Appendix A - Statement of Work Expenditures

Appendix B - Sample Descriptions

Appendix C - Assay Certificates

Appendix D - Ground Truth Geoprobe® Procedures

Appendix E - Ground Truth IP/Res Report

List of Figures

Figure 1 - General Location Map	2
Figure 2 - Claim Map	3
Figure 3 - Tectonic Map	5
Figure 4 - Regional Geology	6
Figure 5 - Property Geology	8
Figure 6 - Sulphur Gold Zones	9
Figure 7 - Sample Locations I	12
Figure 8 - Sample Locations II, Geoprobe® Survey Lines and Trench	13
Figure 9 - Soil Results	14
Figure 10 - Geoprobe® & Trench Results Over 700-775m Level Res	16
Figure 11 - Section 4400mN Geoprobe® & IP-Res	17
Figure 12 - Section 4500mN Geoprobe® & IP-Res	18
Figure 13 - Section 4600mN Geoprobe® & IP-Res	19
Figure 14 - Section 4700mN Geoprobe® & IP-Res	20
Figure 15 - Section 4800mN Geoprobe® & IP-Res	21
Figure 16 - Section 4900mN Geoprobe® & IP-Res	22
Figure 17 - Section 4900mN Trench & IP-Res	23

List of Tables

Table 1 - List of Claims	1
Table 2 - 2012 Significant Drill Intersections	4
Table 3 - 2013 Geoprobe® Summary	11
Table 4 - 2013 Trenching Summary	11

Certificate of Qualifications

I, Mark Fekete, having my place of residence at 178 Dennison Boulevard in Val d'Or in the Province of Quebec do hereby certify that:

1. I obtained a Bachelor of Science Degree in Geology from the University of British Columbia in 1986, I have been engaged as a Geologist continuously since 1986 and I am a Member in good standing of the Order of Geologists of Quebec (OGQ #553) and the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC #31440), and I am a "qualified person" as defined in Section 1.2 in and for the purposes of National Instrument 43-101;
2. I have visited the Sulphur property on numerous occasions including most recently in August 2013;
3. I co-wrote and I am, as the senior author and qualified person, responsible for the contents of this technical report entitled "Memorandum Report of 2013 Surface Work on the Sulphur Property, Dawson Mining District, Yukon, NTS Sheets 115O14 & 115O10, 63°42'N. Lat., 138°47'W. Long.," based on my professional experience, a review of relevant reports and maps made available to me from government and corporate sources and my participation in the work programs described in the report;
4. I am not aware of any material fact or material change with respect to the subject matter of the report that is not disclosed in the report which, by its omission, makes the report misleading;
5. I am an Officer and Director, and I beneficially hold a number of shares in Taku Gold Corp.;
6. I hold no direct interest in the Sulphur property as a result of my prior involvement with the property; and
7. I have read, and this report has not been prepared for the purposes, nor in full compliance with, National Instrument 43-101 and according to Form 43-101F1.

Respectfully submitted this 7th day of January 2014,

(s) "Mark Fekete"

Mark Fekete, P.Geo.

Certificate of Qualifications

I, Marty Huber, having my place of residence at 16 Flax Mill Dr. in Conestogo in the Province of Ontario do hereby certify that:

1. I obtained a Bachelor of Science Degree in Geology from Acadia University in May 2011, I have been engaged as a Geologist in Training (“GIT”) continuously since May 2011 and I am not a “qualified person” as defined in Section 1.2 in and for the purposes of National Instrument 43-101;
2. I have visited the Sulphur property on numerous occasions including most recently in August 2013;
3. I co-wrote this technical report entitled “Memorandum Report of 2013 Surface Work on the Sulphur Property, Dawson Mining District, Yukon, NTS Sheets 115O14 & 115O10, 63°42’N. Lat., 138°47’W. Long.,” under the supervision of Mark Fekete, P.Geo.;
4. I am not aware of any material fact or material change with respect to the subject matter of the report that is not disclosed in the report which, by its omission, makes the report misleading;
5. I do not beneficially hold a number of shares in Taku Gold Corp.;
6. I hold no direct interest in the Sulphur property as a result of any prior involvement with the property; and
7. I have read, and this report has not been prepared for the purposes, nor in full compliance with, National Instrument 43-101 and according to Form 43-101F1.

Respectfully submitted this 7th day of January 2014,

(s) “Marty Huber”

Marty Huber, GIT.

Introduction and Terms of Reference

Breakaway Exploration Management Inc. (“Breakaway”) was engaged by Taku Gold Corp. (“Taku”) to manage and report on reclamation, soil and Geoprobe geochemical sampling, induced polarization and resistivity geophysics and trenching work done on the Sulphur property (“Sulphur” or the “Property”) in Yukon in 2013. The goal of the surface work was to identify anomalous gold trends that may lead to the discovery of gold bearing structures. This memorandum report was prepared to complete statutory assessment work filings, and is accompanied by “Statement of Work” forms, as required under the Yukon Quartz Mining Act. It is not intended to and does not fully comply with National Instrument 43-101. The work program was funded in part by Yukon Mining Incentives Program (“YMIP”) Grant No. 13-041. The work done generally followed the work proposal, however the grant was increased from the original amount of \$25,000 to \$35,000.

Location, Property Information and Access

The Sulphur property is located approximately 45km southeast of Dawson City in the Klondike gold camp of Yukon (Figure 1). Sulphur Creek is the most obvious topographical feature in the area. The approximate center of the Property is described by 138°49’ West Longitude and 63°42’ North Latitude on N.T.S. Sheets 115010 & 115014. The Property covers an approximate area of 11,344 hectares within the Dawson Mining Division, and includes 543 contiguous, un-surveyed mineral titles (Figure 2) listed in the following table.

Table 1 - List of Claims

Claim Name	Tag No.	Expiry Date	#
SU 1 to 452	YD28201 to YD28652	14-Mar-19	452
US 1 to 84	YD06601 to YD06684	14-Mar-19	84
US 85 to 91	YD17723 to YD17729	14-Mar-18	7

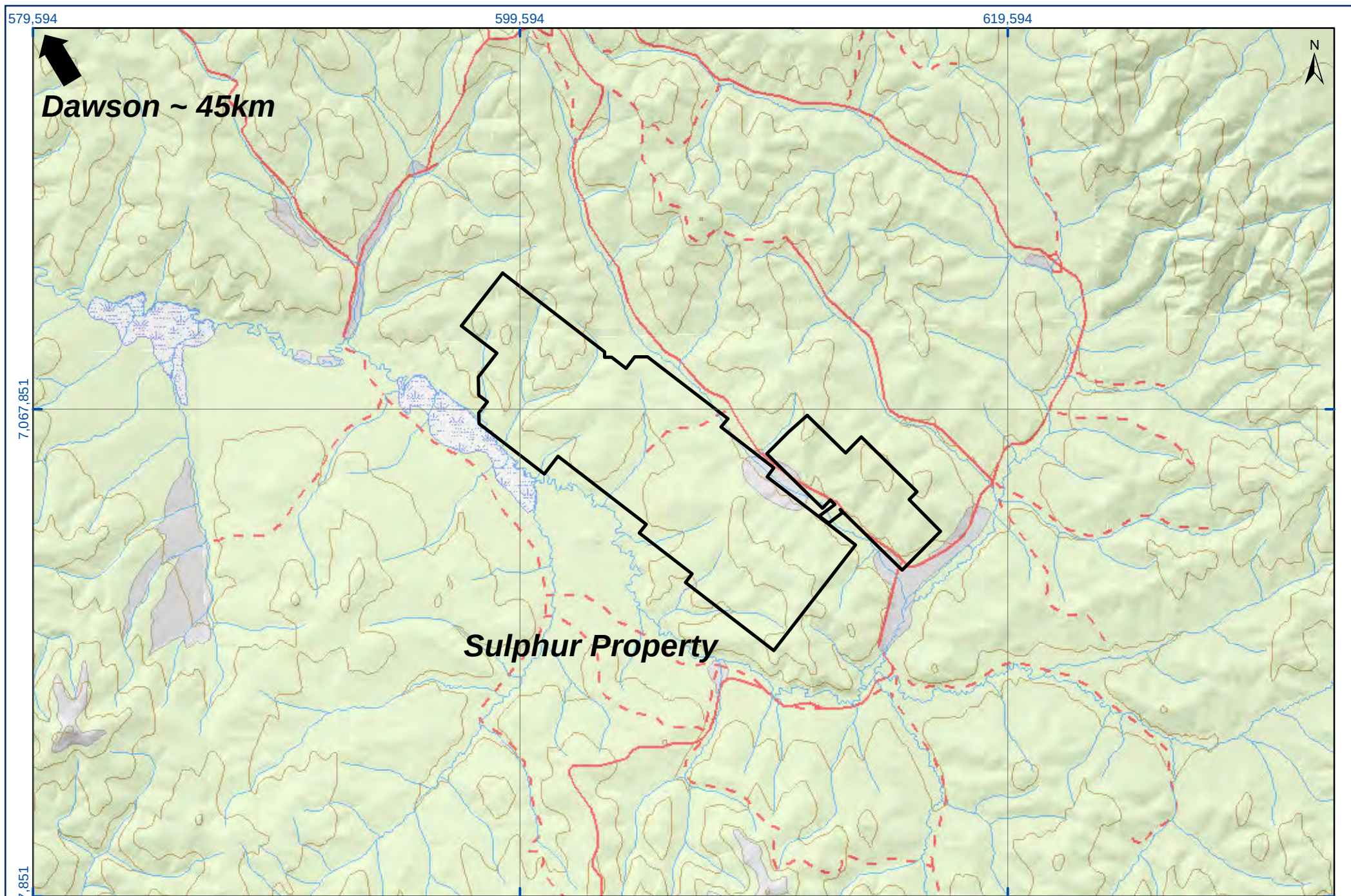
Taku Gold Corp. holds a 100% interest in the claims subject only to a 2% Net Smelter Return royalty on all smeltable minerals or metals extracted from the claims payable to a local prospecting syndicate. Taku has the right to purchase one-half (or 1%) of the royalty for \$1,000,000 cash.

The Sulphur Creek road provides relatively good summer access to the Property from Dawson City. There are a number of old cat trails that lead into the claims and provide limited access to heavy equipment. A helicopter however is required to reach most parts of the Property. The Property can be worked from Dawson City by truck or from an exploration camp set up on or near the Property. A camp can be supported from Dawson City, where services are limited, or from Whitehorse where a full range of services are available including line-cutting, geophysics, drilling, assaying, aircraft charters etc.

Previous Work

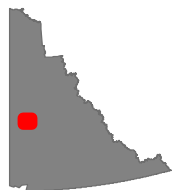
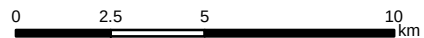
There is an extensive history of placer mining on Sulphur Creek and there are at least four placer mines currently in operation. A review of the Yukon Geological Survey MINFILE database however shows that previous hard rock (or quartz) exploration work on the Property was very limited (Southam, 1995a and 1995b; Ouellette and Couttes 1987a and 1987b).

After staking Sulphur in 2010, Taku completed a multi-sensor airborne geophysical survey over the entire Property. A total of 1,292 line kilometers of data were collected at 100m line spacing by Precision Geosurveys Inc. of Vancouver, British Columbia (Poon, 2010). In 2011, Taku collected a total of 6,408 soil samples with hand augers on predetermined GPS traverse lines and detailed grids (Fekete and Dubois, 2011). Five gold zones were defined from the grid sample results and trenching was done at three of the five zones. In 2012 a total of 1,033 metres of NQ diameter drilling was done in seven holes. Six holes were drilled in the Lions area and one in the Blues area (Fekete and Huber, 2012). Significant intersections are listed in Table 2 below:

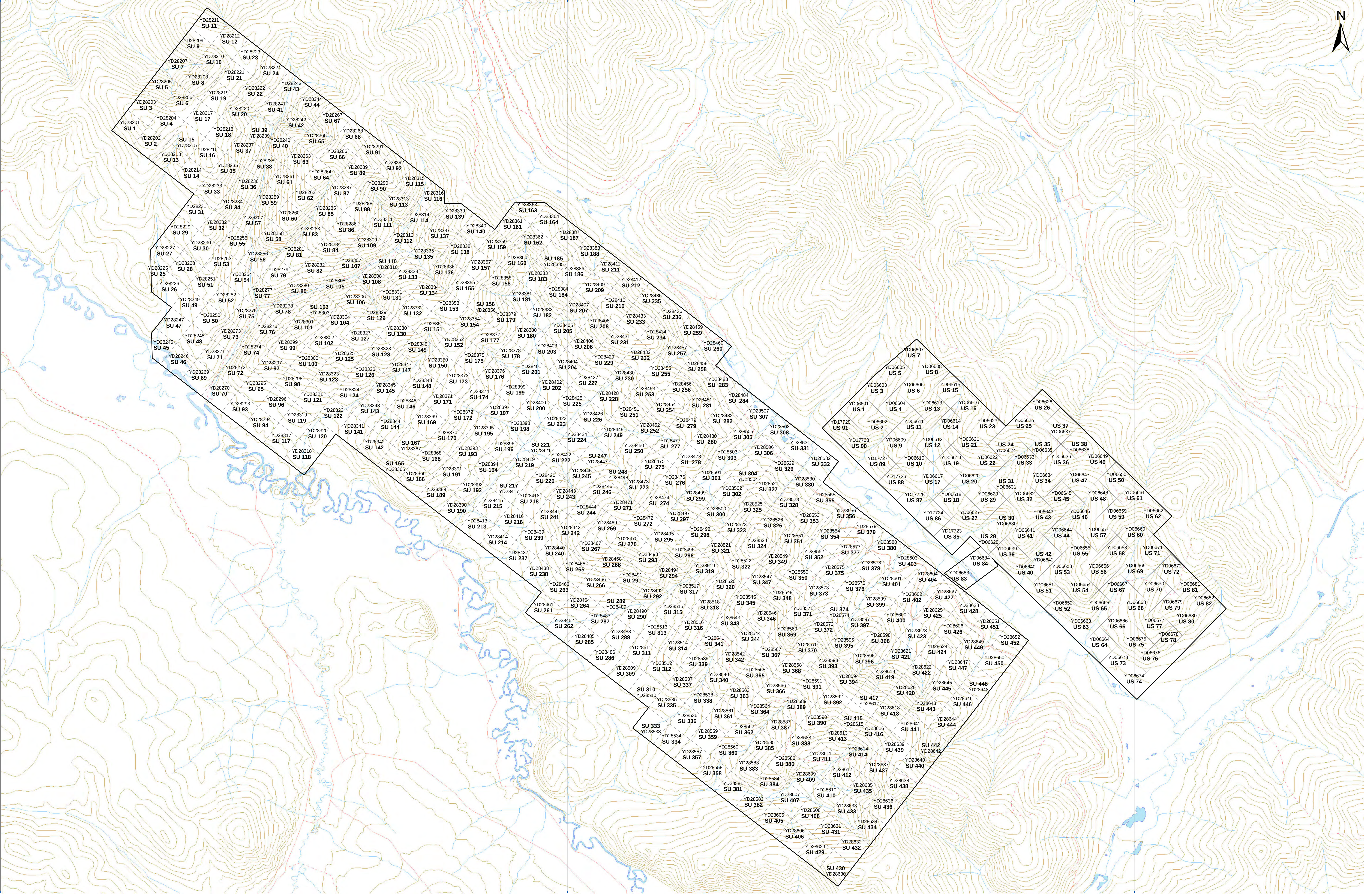


SULPHUR PROPERTY
Figure 1. GENERAL LOCATION

Universal Transverse Mercator Zone 7
World Geodetic System 1984
Scale 1:200 000

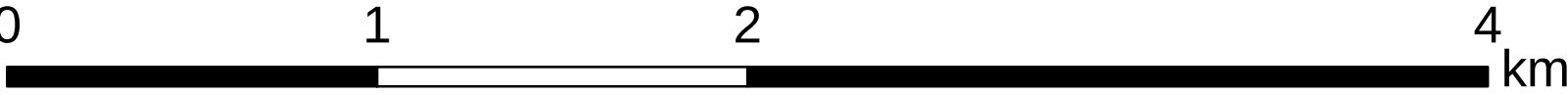


Sulphur Property
Figure 1. General Location
Taku Gold Corp.
NTS Sheet: 1150
Date: November 8, 2011



SULPHUR PROPERTY
Figure 2. CLAIM MAP

Universal Transverse Mercator Zone 7
World Geodetic System 1984
Scale 1:20 000



Sulphur Property
Figure 2. Claim Map
Taku Gold Corp.
NTS Sheet: 1150/10, 11, 14 & 15
Date: November 5, 2011

Table 2 - 2012 Significant Drill Intersections

Hole	Zone	From (m)	Length (m)	Wt.Avg. (gpt Au)
SU12-01	Lions	50.0	2.0	0.31
SU12-02	Lions	58.0	5.0	0.12
SU12-04	Lions	75.0	2.0	0.14
SU12-06	Lions	56.0	2.0	0.14
SU12-07	Blues Z1	39.0	3.0	0.32
	Blues Z2	50.0	6.0	0.19
	Blues Z3	72.0	1.0	0.72

Geological Context and Deposit Model

The Property lies within the Yukon-Tanana Terrane (Figure 3), where large areas have little to no bedrock exposure so consequently mapping of the area remains poorly understood. Generally it consists of several successions of layered sedimentary and volcanic rocks ranging from Late Proterozoic to Late Permian age that overlay the older Nisling Terrane. These complexly deformed layered rocks have been episodically intruded by various intrusive rocks in the Permian, Jurassic, Cretaceous and Tertiary periods. The intrusive events have been accompanied by volcanic activity especially in the Upper Jurassic to Lower Cretaceous. The Yukon-Tanana has been subjected to numerous prolonged deformational events including subduction and accretion that has led to significant structural thickening. Imbricated allochthonous terranes such as Slide Mountain Terrane are evidenced by altered ultramafic fragments.

The Property lies within the Klondike-White Gold district of the Stewart River area (Figure 4). The district has been interpreted to be underlain by the Klondike assemblage which is comprised of strongly deformed and altered mafic to felsic metavolcanic rocks and as well as deformed subvolcanic and plutonic equivalents, together with interlayered non-carbonaceous metasediments. This assemblage has been emplaced as a stack of three distinct thrust plates over rocks of the Late Devonian Early Mississippian Nasina assemblage (Mortensen, 1996).

According to the most recent mapping and compilation of the Stewart River area by Ryan and Gordy (2005), the majority of the Property is underlain by the Permian Klondike Schist (Pks) unit (Figure 5). This rock assemblage consists of muscovite-chlorite-quartz-feldspar schists and chlorite schists, phyllites and phyllonites. The northeastern parts of the Sulphur West block and most of the Sulphur East block are underlain by the Sulphur Creek Orthogneiss (Pogq) which consists of Permian orthogneiss derived from quartz monzonite.

The property lies within underexplored Klondike-White Gold district of the loosely defined Tintina Gold Belt. This metallurgical province has past production of 29.9 million ounces and 39.3 million ounces, for total gold resources of 69.2 million ounces. Notable gold deposits are Donlin Creek, Ft. Knox, Pogo and Brewery Creek. The Klondike-White Gold district lies within the larger Dawson Range area where a number of known gold and porphyry copper deposits show a wide range of styles, geological settings and geochemical associations. Taku's exploration effort at Sulphur is not adhering to any firm deposit model but is instead based on practical survey methods that generate drill targets and have led to discoveries by other groups working in the area.

2013 Exploration

Exploration on Sulphur in 2013 included reclamation, soil and Geoprobe® geochemical sampling, prospecting, trenching and induced polarization and resistivity ("IP-Res") geophysical surveys. Breakaway personnel completed the reclamation, soil sampling, prospecting and trenching from Dawson City travelling daily by truck to the Property from Dawson where the crew was lodged in Taku's apartment. In some cases a helicopter was used when road access was not available. The Geoprobe® geochemical and IP/Res geophysical surveys were completed by Ground Truth Exploration Inc. ("Ground Truth") based in field camps set up on the Property. A helicopter was used to mobilize Ground Truth in and out of the Property. All of the work except for the IP/Res was completed in the period from July 22 to August 27. The IP/Res survey was completed from November 8 to 15, 2013. The work was done primarily at the Blues and Lions zones with only reclamation work being done at the Riders zone (Figure 6).

Legend

Outboard

CG Chugach

YA Yakutat

Insular

WR Wrangellia

AX Alexander

KS Kluane schist

Arctic

AA Arctic Alaska

Intermontane

CC Cache Creek

ST Stikinia

QN Quesnellia

YT Yukon-Tanana

SM Slide Mountain

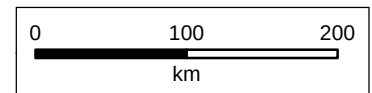
Ancestral North America

CA Cassiar

NAb basinal facies

NAp shelf facies

NAC craton & cover



Copyright © 2011
Yukon Geological Survey

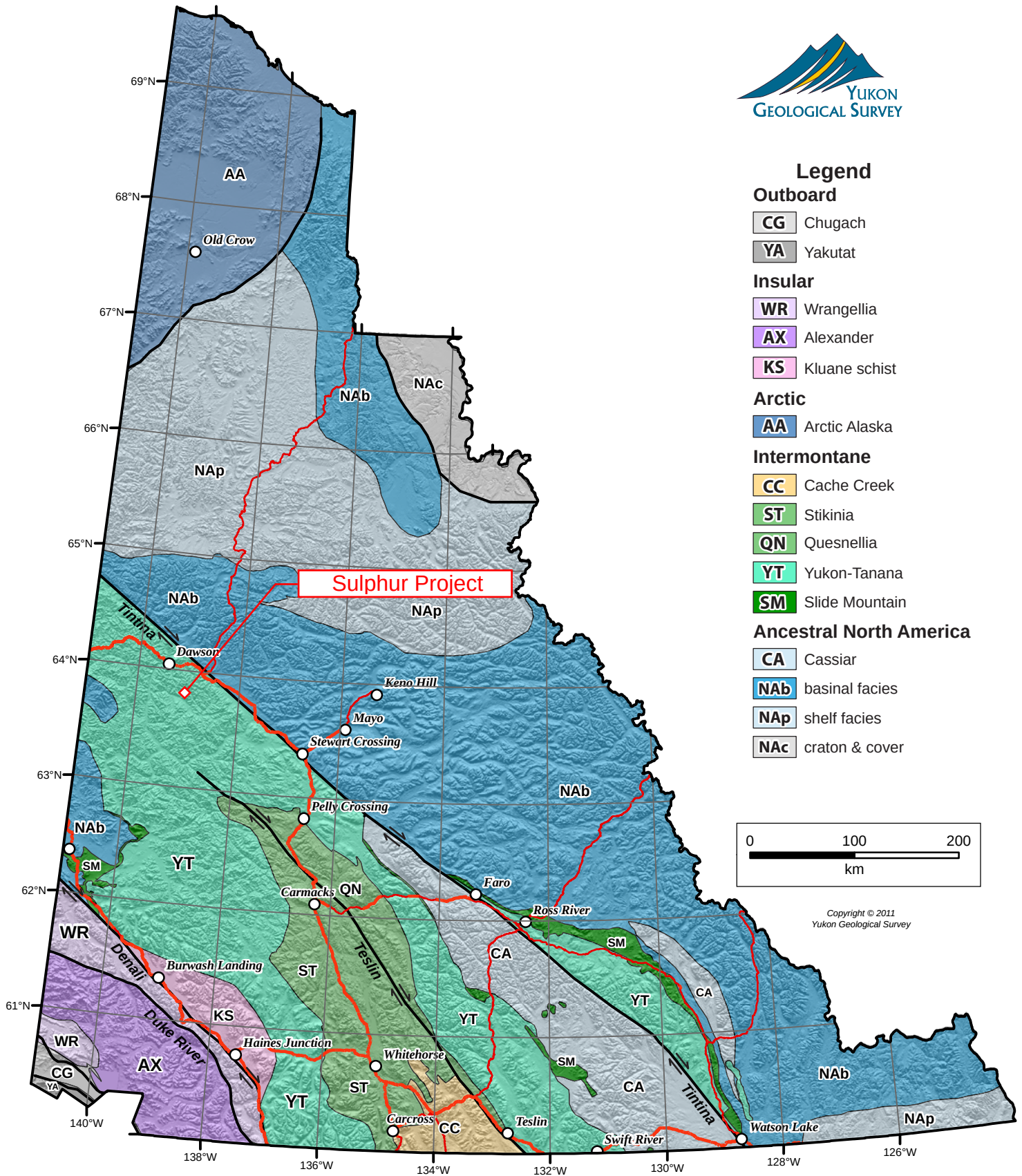
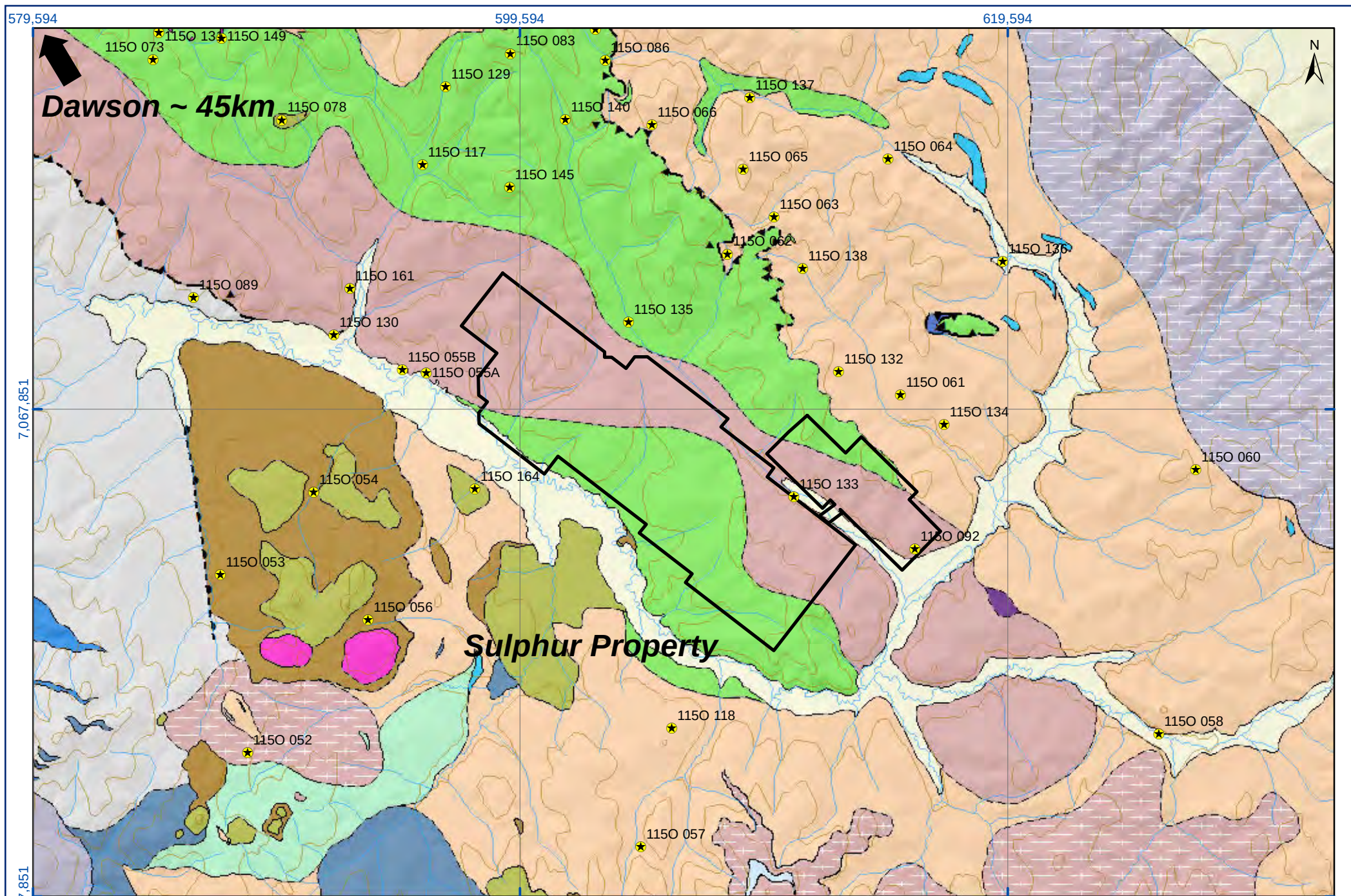


Figure 3 - Yukon Tectonic Map



★ Mineral Occurrence

SULPHUR PROPERTY Figure 3. REGIONAL GEOLOGY

Universal Transverse Mercator Zone 7
World Geodetic System 1984
Scale 1:200 000

0 2.5 5 10 km

Sulphur Property
Figure 3. Regional Geology
Taku Gold Corp.
NTS Sheet: 115O
Date: November 8, 2011

QUATERNARY

	Qs Fluvial silt, sand and gravel
	Qb Basalt

TERTIARY

	Ts Conglomerate, sandstone, shale
---	--------------------------------------

DEVONIAN TO MISSISSIPPIAN?

	DME Earn group
---	-------------------

TERTIARY EOCENE

	Er Porphyry
---	----------------

CRETACEOUS UPPER CRETACEOUS

	uKCv Carmacks Group
---	------------------------

MID?-CRETACEOUS

	Kg/Kgd Granite/Granodiorite
---	--------------------------------

LOWER CRETACEOUS

	IKTcg Tantalus(?) Formation
---	--------------------------------

JURASSIC EARLY JURASSIC

	EJgd Granodiorite
---	----------------------

TRIASSIC LATE TRIASSIC

	LTrum Pyroxene Mountain Body
---	---------------------------------

PALEOZOIC AND/OR MESOZOIC

	PMd Gabbro
---	---------------

CARBONIFEROUS

	CD Dawson-Clinton Creek Assemblage
---	---------------------------------------

MID(?) - TO LATE PALEOZOIC

	mPum/mPums Ultramafic-Gabbro
---	---------------------------------

PERMIAN

	Pv Foliated volcanic
	PKs Klondike Schist
	Pg Jim Creek Pluton
	Pogg, Pogg/Poga Pogt Orthogneiss (Younger, 264-259 Ma)

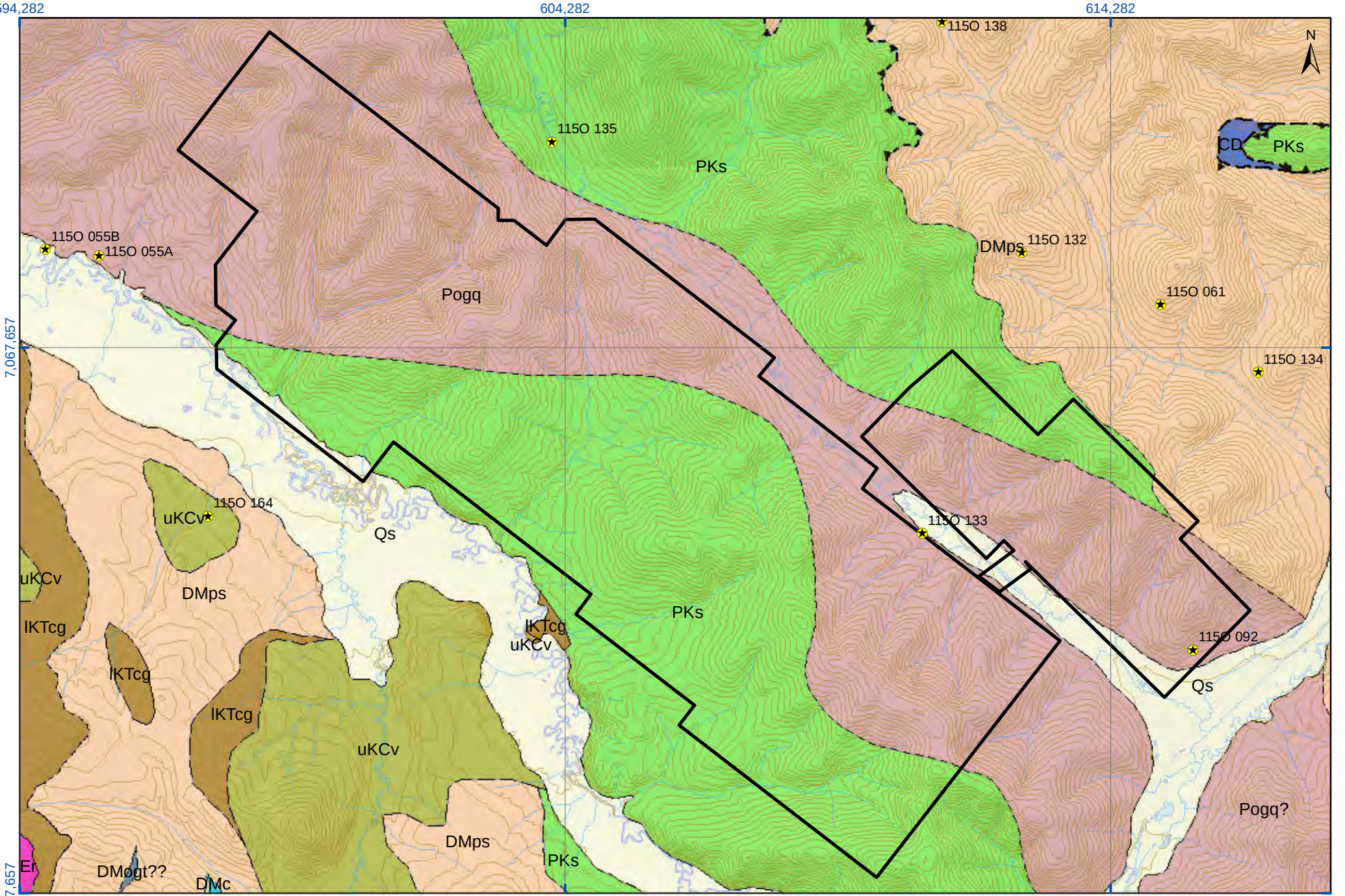
DEVONIAN TO MISSISSIPPIAN

	DMNq/DMNI Nasina Assemblage
	DMogg/DMoga DMogt Orthogneiss (Older, 363-343 Ma)
	DMogta Undivided DMogt (Orthogneiss (older)) and DMA (Amphibolite)
	DMA Amphibolite
	DMm Mafic schist
	DMc Marble
	DMps Quartz-Mica schist
	DMcg Metaconglomerate
	DMq Quartzite

SYMBOLS

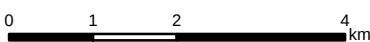
		Geological contact (defined, approximate, assumed)
		Fault, sense of movement uncertain (defined, approximate, assumed)
		Fault, transcurrent, dextral (approximate)
		Fault, thrust (teeth on upper plate) (defined, approximate, assumed)
		Fault, normal (teeth on upper plate) (defined, approximate, assumed)
		Fault, low-angle normal (teeth on upper plate) (approximate, assumed)

Figure 3 continued. Legend for Regional Geology

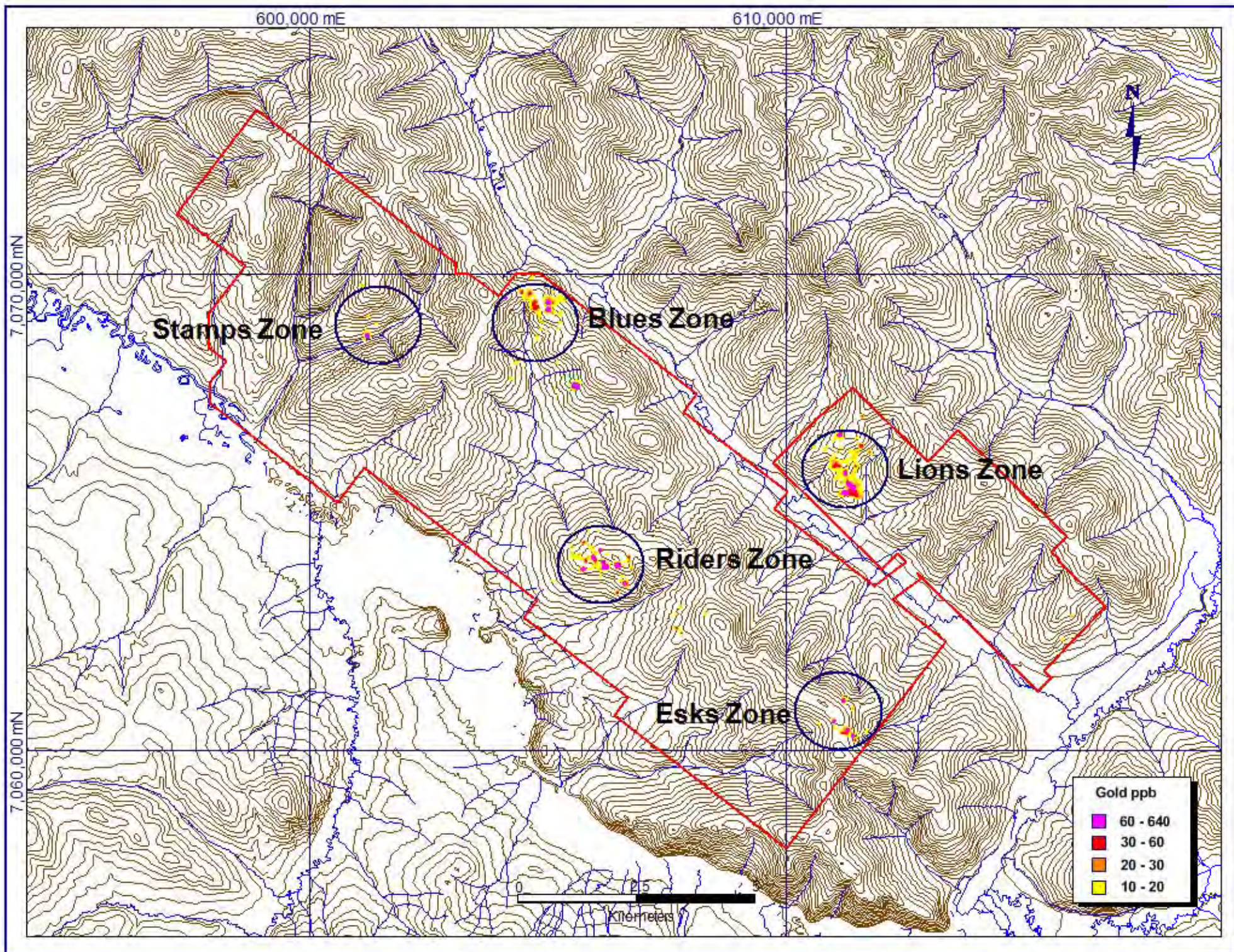


SULPHUR PROPERTY
Figure 4. PROPERTY GEOLOGY

Universal Transverse Mercator Zone 7
World Geodetic System 1984
Scale 1:90 000



Sulphur Property
Figure 4. Property Geology
Taku Gold Corp.
NTS Sheet: 115O/10, 11, 14 & 15
Date: November 8, 2011



The work was planned under the supervision of Professional Geologist Mark Fekete (the “Senior Author”) and managed on a day-to-day basis by Geologist-in-Training Marty Huber (the “Junior Author”). The Junior Author compiled the field data into digital maps and wrote this Report up to January 7, 2014. A detailed “Statement of Work” form is included herein as Appendix A. The expenses related to the IP/Res survey were not applied as assessment work due to the timing of anniversary dates on certain claims. The expenses applied to the YMIP grant included only the Geoprobe® geochemical work, trenching and the IP/Res survey done on the Blues zone. Expenses related to the reclamation, soil geochemistry and prospecting were not applied to the YMIP application.

It is the Authors’ opinion that the sampling procedures, security measures, sample preparations and analytical methods applied to the soil and rock samples were diligently followed and are adequate to meet industry standards commonly accepted for this level of exploration. The Authors have relied upon the adequacy and accuracy of the analytical results provided by the contracted laboratories. Independent verification of those results has not been undertaken. The Junior Author reconciled the field data with the analytical results and found no irregularities.

Reclamation

In 2011 five trenches were excavated by Taku on the Sulphur property at the Lions, Blues and Riders zones. From July 22 to 30, 2013 all five trenches with a collective length of 550 meters were reclaimed by back filling, contouring to grade and covering with brush and other available vegetation. A Can-Dig mini-hoe operated by Larry Gilroy was used for this work. Manual labour was done by the Junior Author and technician Darrell Kraemer. Adjacent drill pads were also reclaimed in the same manner.

Prospecting

Two man days were spent prospecting over in the Lions and Blues zones on July 27 and 30, 2013 by the Junior Author. A total of six prospect pits were dug on the Lions zone over anomalous gold-in-soil results with a rock sample taken from each location. There were also a two float grab samples taken from the Blues zone. Sample locations were tagged in the field and recorded with HP iPAQ 200 series field computers running GeoInfoMobile and Tierra Mapper software paired with Holux GPS receivers in map datum UTM WGS84 Zone 7N. Sample locations (Figure 7 and 8) and descriptions are included as Appendix B. Samples were placed in heavy-duty plastic bags with the appropriate sample numbers marked in indelible ink. Samples were then sealed in rice bags and shipped to Acme Analytical Laboratories Ltd. (“Acme”) in Vancouver, B.C. for geochemical analysis. Acme is accredited under ISO 9001. Samples were crushed, and 250g split and pulverized to -200 mesh, and analyzed for 36 elements (including gold) by 15g Aqua Regia digestion, ICP-MS finish (Appendix C).

No significant results were obtained from the prospecting rock samples.

Soil Geochemical Work

On August 1, 2013 a detailed grid was done by the Authors and technician Darrell Kraemer southwest of a previously identified gold-in-soil anomaly on the Lions Zone in an effort to extend the southeastern limit of the anomaly. A total of 93 deep-auger-type soil samples including field duplicates were collected with hand augers at 50m sample intervals on a predetermined grid with lines spaced 100m apart. Sample locations were tagged in the field and recorded with HP iPAQ 200 series field computers running GeoInfoMobile and Tierra Mapper software paired with Holux GPS receivers in map datum UTM WGS84 Zone 7N. Sample locations (Figure 7 and 8) and descriptions are included as Appendix B.

Soil material varied from colluvium to lithosoil. Sample depth varied from 20 to 110cm with an average depth of 55cm. Soil samples were placed in Kraft-type paper bags with the appropriate sample numbers marked in indelible ink. Batches of samples were subsequently dried, sealed in rice bags and shipped to Acme in Vancouver, B.C. for analysis. Samples were dried and sieved to -80 mesh size and analyzed for 36 elements (including gold) by 15 gram (g) Aqua Regia digestion, ICP-MS finish (Appendix C).

The 2013 soil samples returned gold values ranging from below the detection limit (i.e. <5ppb Au) to a maximum of 40ppb. Although the detailed grid sampling did not encounter any significant gold values, it did successfully close the open portion of the anomaly to the southeast of the Lions zone (Figure 9).

Geoprobe® Geochemical Sampling

Geoprobe® is a brand name of high quality, hydraulically-powered, direct push machines that use both static force and percussion to advance sampling and logging tools into the subsurface. Ground Truth has developed a sampling method using a track mounted Geoprobe® to drive through deep soils to take soil and rock samples from the soil-bedrock interface. The standard operating procedure followed by Ground Truth is included as Appendix D. The method is particularly well suited to the Dawson area where the non-glaciated terrane leads to thick soil profiles and very little exposed bedrock.

Six Geoprobe® lines covering an aggregate total of 1,025m were completed over a 700 metre strike length to test the Blues Zone gold-in-soil geochemical anomaly. The location, length and azimuth of each Geoprobe® line are as follows:

Table 3 - 2013 Geoprobe® Summary

Line	UTM mE	UTM mN	Azimuth °	Length m
SULGP13-01	604528	7069486	36	205
SULGP13-02	604406	7069575	36	105
SULGP13-03	604631	7069288	36	205
SULGP13-04	604668	7069211	36	220
SULGP13-05	604959	7069358	36	135
SULGP13-06	604952	7069178	36	155

Samples were placed in heavy-duty plastic bags with the appropriate sample numbers marked in indelible ink. Samples were then sealed in rice bags and shipped to Acme in Vancouver, B.C. for geochemical analysis. Samples were crushed, and 250g split and pulverized to -200 mesh, and analyzed for 36 elements (including gold) by 15g Aqua Regia digestion, ICP-MS finish (Appendix C). All samples were also analyzed for gold by 30 gram fire assay fusion with AAS finish. Finally, due to a clerical error, the samples were also analyzed for 24 elements by hot aqua-regia digestion ICP-ES finish. This method gives percentage level results and is normally used for ore grade, base metal samples.

Highly anomalous results were obtained from bedrock samples collected at five metre spacings on four of the six lines with maximum values up to 588ppb Au (Figure 10). The results appear to identify three parallel gold-bearing structures.

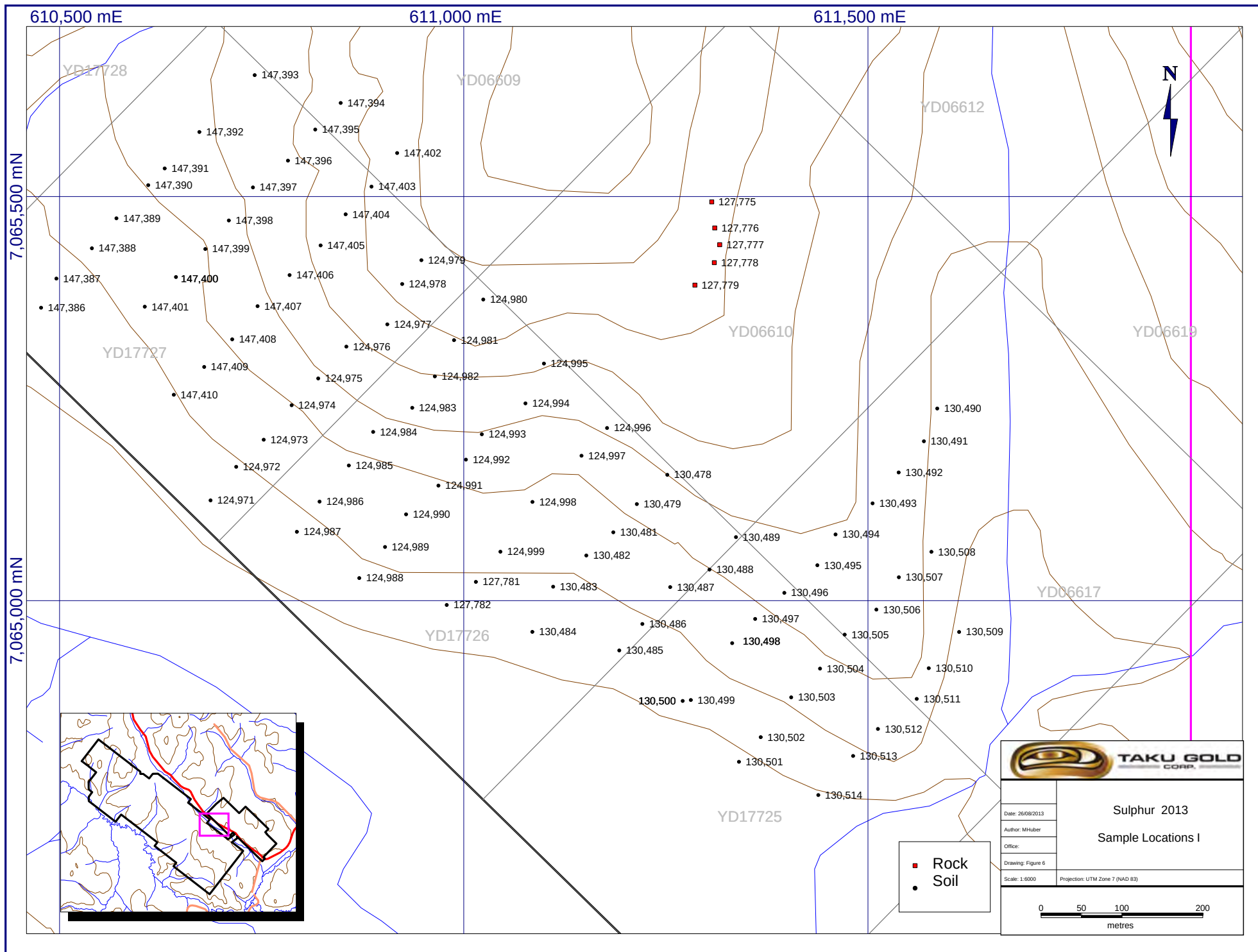
Trenching

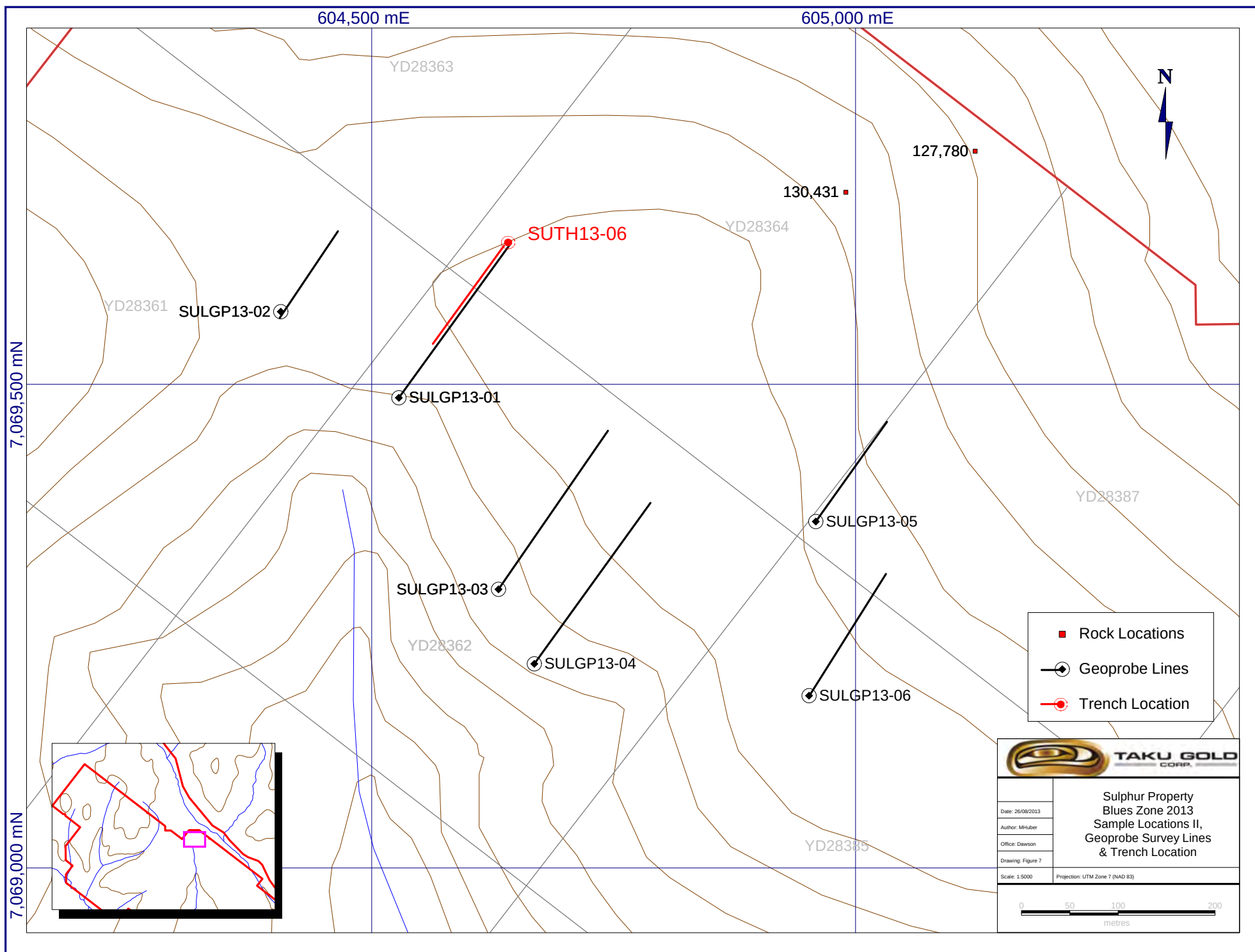
Trenching was completed on August 27 and 28, 2013 with a Can-Dig mini-hoe operated by Larry Gilroy. Manual labour was done by technician Darrell Kraemer. Logging and sampling of the trenches was completed by the Junior Author. A total of 125 metres of trenching was completed in one trench (Figure 10). Reclamation of the trench took place shortly after samples were collected and logging was completed. The trench was done over the Geoprobe® survey line SULGP13-01 to act as a control to determine the efficiency, reliability and compatibility of both methods. The location, length and azimuth of the trench are listed as follows:

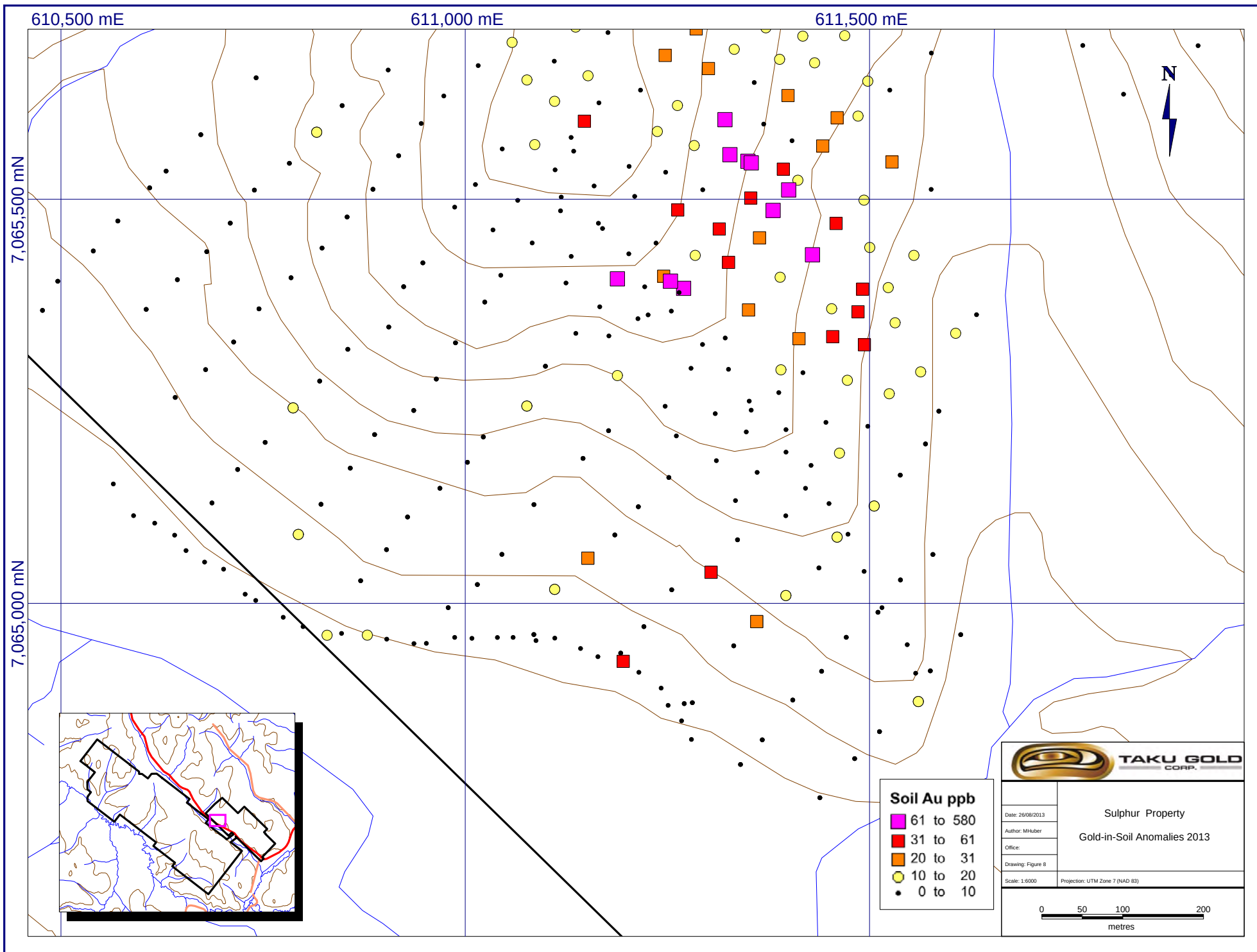
Table 4 - 2013 Trenching Summary

Trench	UTM mE	UTM mN	Azimuth °	Length m
SUTH13-06	604644	7069645	220	125

A total of 26 samples of broken bedrock were systematically collected over five metre intervals from the trenches. Samples consisted of primarily of quartz feldspar porphyry with periodic quartz veins parallel to the bedding. Sample locations were tagged in the field and recorded with HP iPAQ 200 series field computers running GeoInfoMobile and Tierra Mapper software paired with Holux GPS receivers in map datum UTM WGS84 Zone 7N. Sample descriptions are included as Appendix B. Rock samples were







placed in heavy-duty plastic bags with the appropriate sample numbers marked in indelible ink. Samples were then sealed in rice bags and shipped to Acme in Vancouver, B.C. for analysis. Samples were crushed, and 250g split and pulverized to -200 mesh, and analyzed for 36 elements by 15g Aqua Regia digestion, ICP-MS finish (Appendix C).

Moderately anomalous results up to 190ppb Au were obtained from the trench samples (Figure 10). The results generally match the Geoprobe® for gold tenor although the gold distribution does not match sample by sample. Similar to the trenching, the Geoprobe® samples identify an area of low to moderate anomalous gold response with a single strongly anomalous result of 209ppb Au.

Induced Polarization and Resistivity Survey

High definition DC (“HRDC”) resistivity (“Res”) and induced polarization (“IP”) surveys were conducted from November 8 to 15, 2013 on the Blues zone. The survey consisted of six parallel traverses each of 415m horizontal length, oriented at 039° azimuth and bisecting a 500m long base line at 127° azimuth. Multiple arrays were used to maximize qualitative data on the ground that, at the time, had unknown properties. The survey is described in better detail in the Ground Truth logistics report attached as Appendix E.

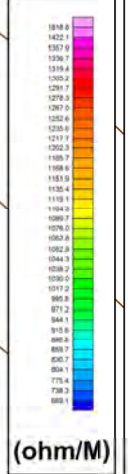
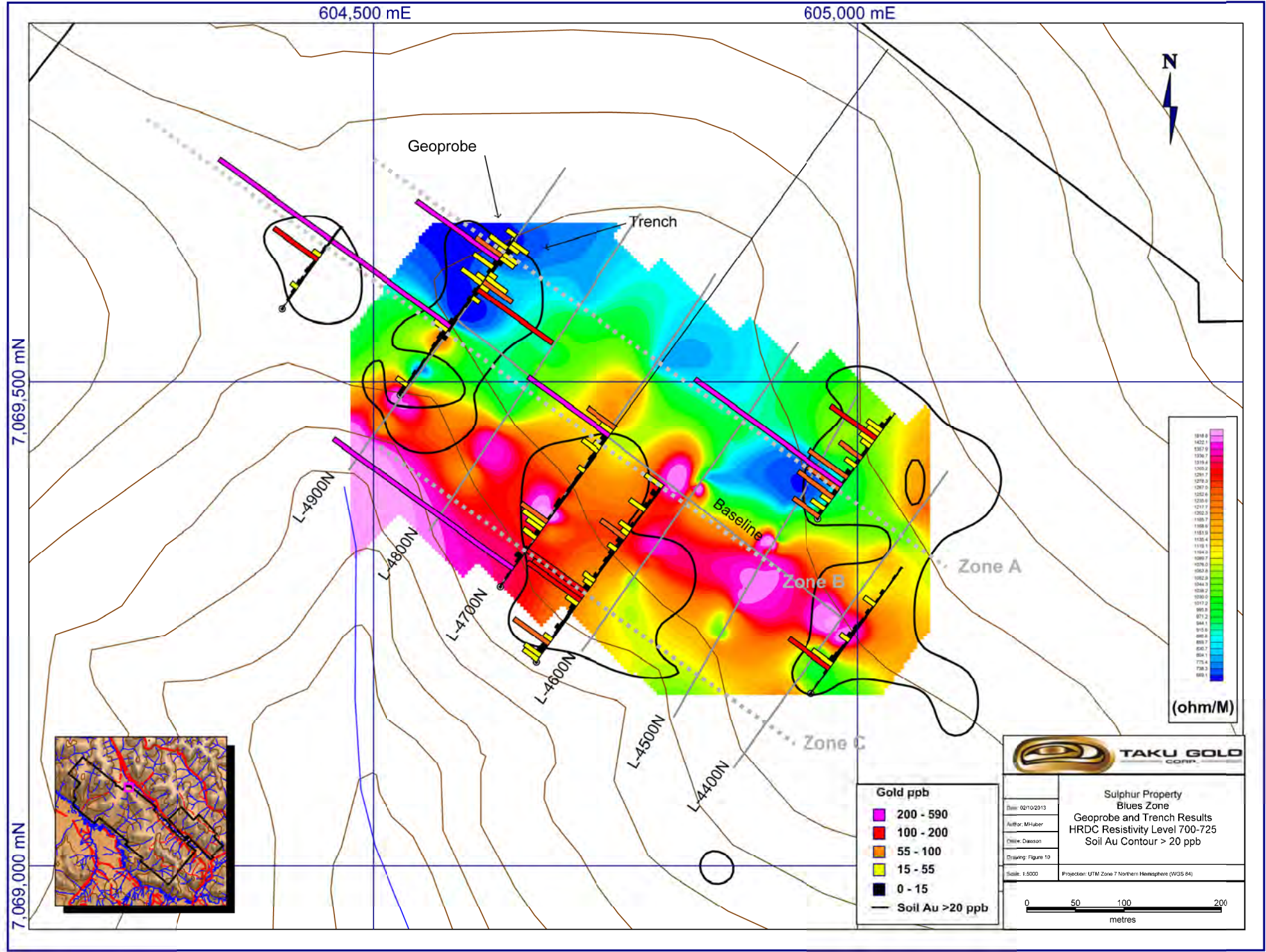
The goal of the survey was to try and identify a bedrock structure in order to explain the existing soil and Geoprobe® geochemical anomaly where limited trenching and drilling has been undertaken previously by Taku. The survey identified three resistivity features of note (Figure 10). The first is a series of Res lows that together form a chain in the northeast of the baseline (Zone A). The second is a contact zone marked by the edge of the Res low mentioned above (Zone B). This zone shows a moderate resistivity increase to the southwest and it runs generally parallel to and along the baseline. The third is a relative increase in resistivity in the area southwest of the baseline (Zone C). The contact zone is much more apparent on the resistivity sections than on the plan map (Figures 11 to 16)

Interpretations and Conclusions

In order to evaluate the soil and Geoprobe® geochemical and IP-Res geophysical results, all the data was compiled on to plan and section maps (Figures 10 to 16). On the plan map it is clear that there are three potential gold-bearing “structures”. The first structure (Zone A) is located northwest of the base line and is marked by the series of Res lows. Anomalous gold results were obtained on both Geoprobe® lines (SULGP13-01 and -05) and the trench (SUTH13-06) within the Res lows. The second structure (Zone B) is found at the contact zone that generally parallels the baseline. Strongly anomalous gold results were returned from Geoprobe® samples (SULGP13-01 and -03) taken on the margin of the Res high that marks the contact zone. The third structure (Zone C) corresponds to the relative increase in resistivity southwest of the baseline. Again, strongly anomalous gold results were returned from Geoprobe® samples (SULGP13-03 and -04) taken on the resistivity increase.

The overall goal of the combined Geoprobe®, trenching and IP-Res method was to upgrade the original gold-in-soil anomaly to a high confidence drill target. This goal has been met by identifying three discreet target structures (Figure 10) marked by resistivity contrasts and strongly anomalous Geoprobe® and trench sample results. The ultimate value of this method will be determined by the success or failure of a drill program designed to test the target structures.

In addition to the Blues Zone there are four other strong gold-in-soil zones (Stamps, Lions, Riders and Esks) on the Sulphur property. Taku intends to apply the same exploration method to these other zones if drilling in on the Blues Zone structures in 2014 intersects significant gold mineralization and proves the method to be a successful means of improving drill target confidence.

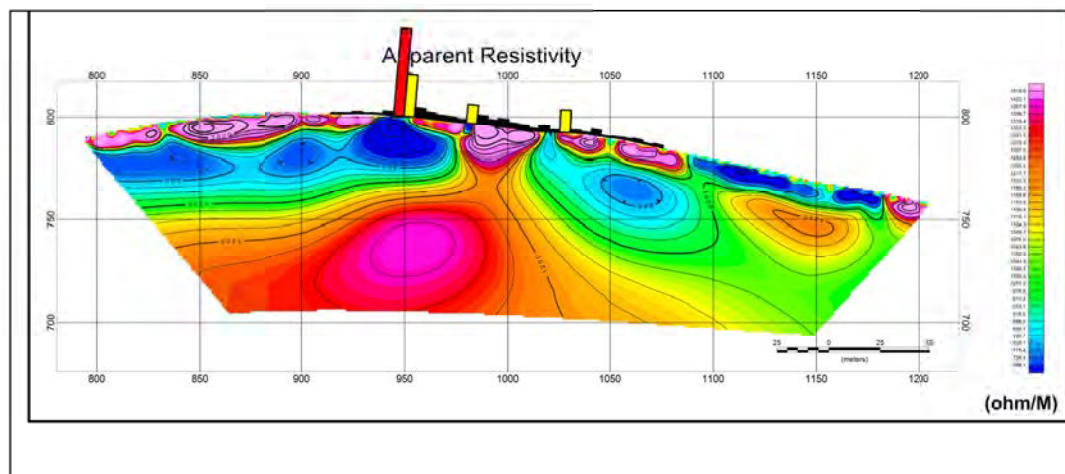
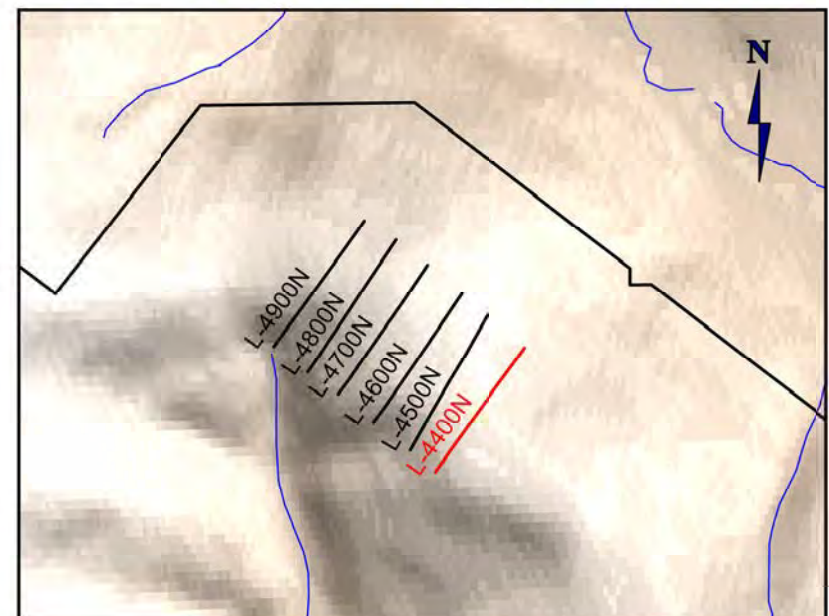
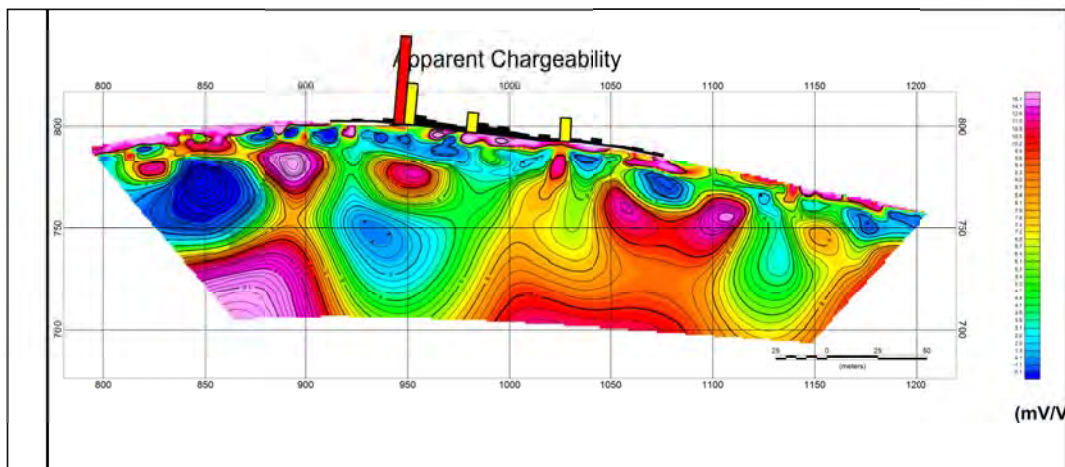
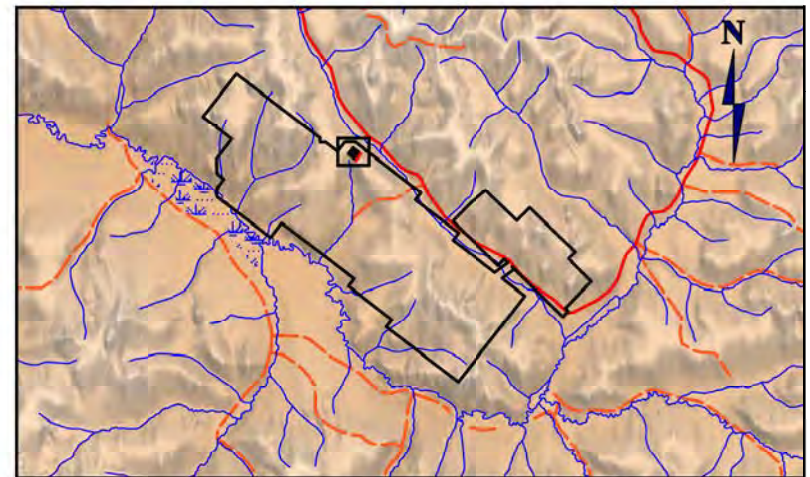
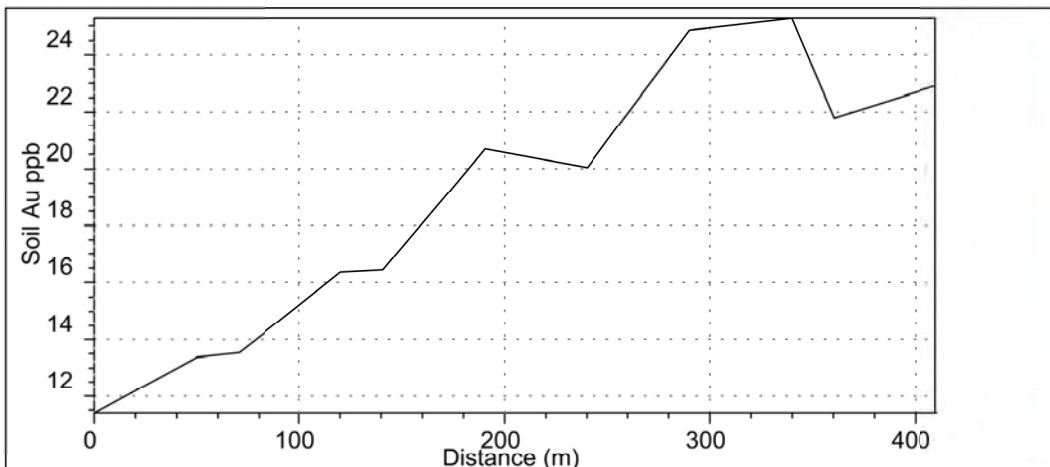


Gold ppb	
200 - 590	100 - 200
55 - 100	15 - 55
0 - 15	Soil Au >20 ppb

Sulphur Property
Blues Zone
Geoprobe and Trench Results
HRDC Resistivity Level 700-725
Soil Au Contour > 20 ppb

Date: 02/10/2013
Author: M. Huber
Checked: Dawson
Drawing: Figure 10
Scale: 1:5000
Projection: UTM Zone 7 Northern Hemisphere (WGS 84)

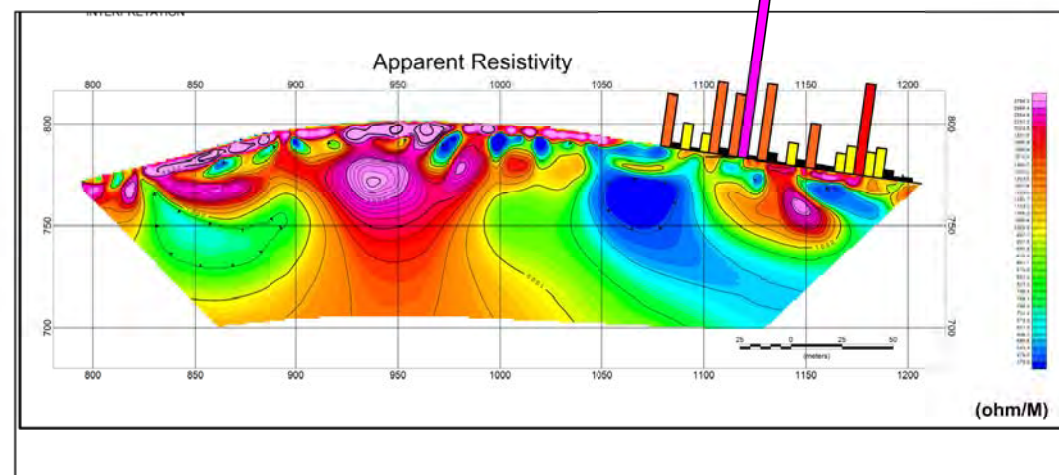
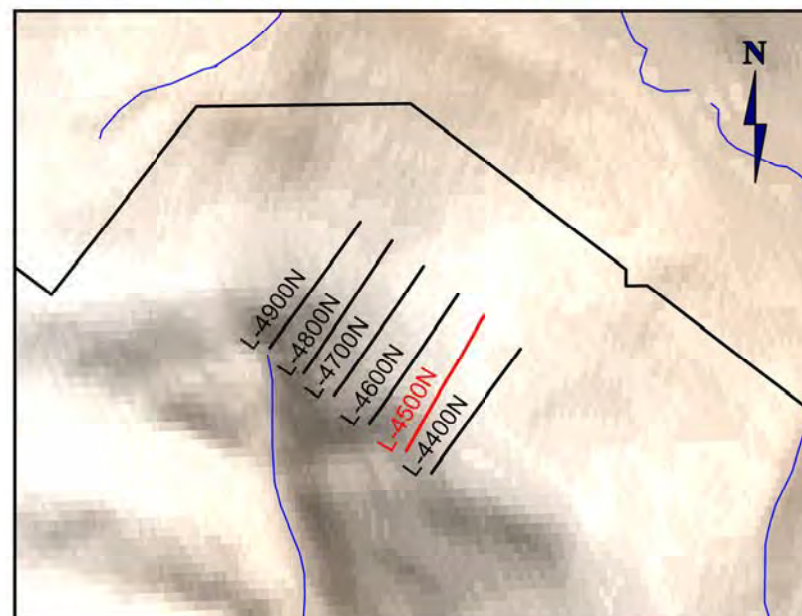
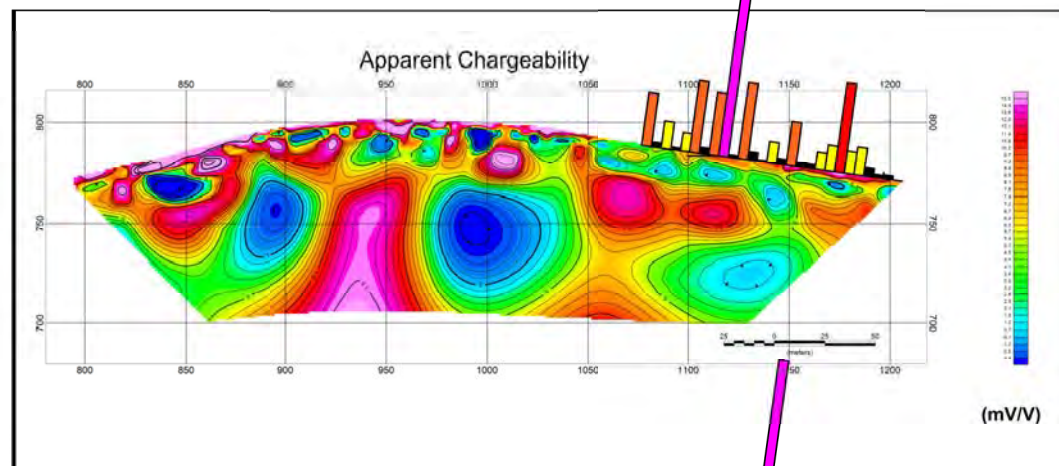
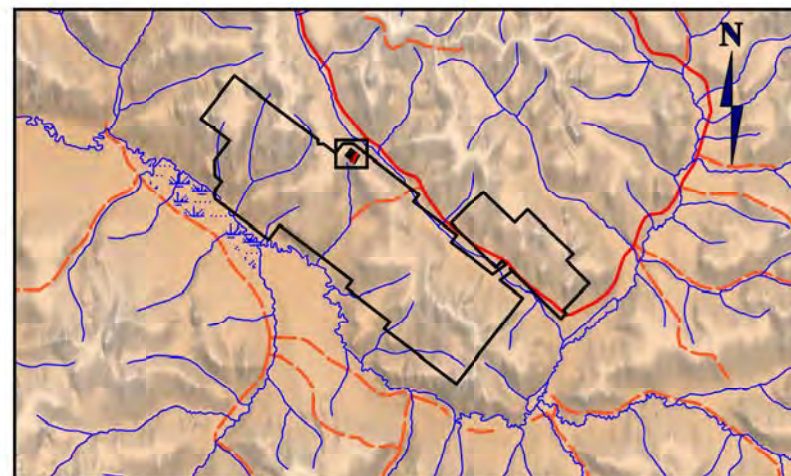
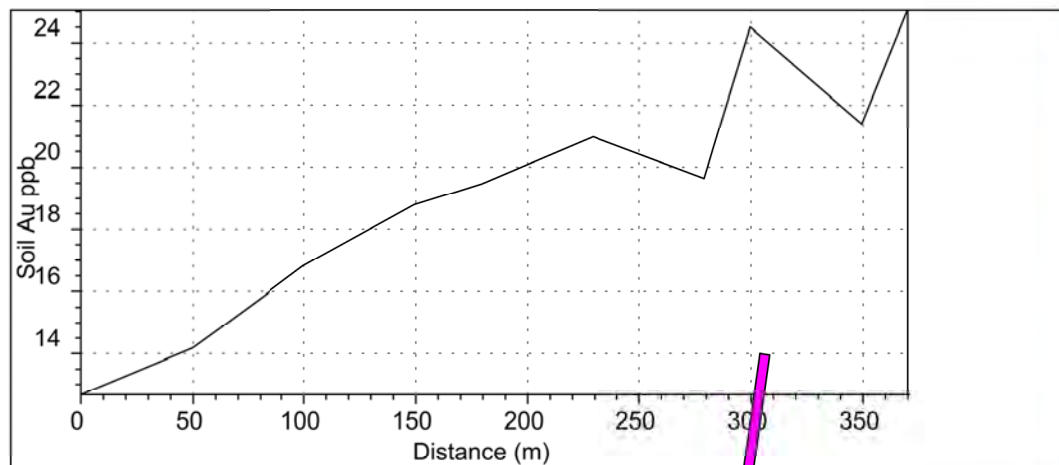
0 50 100 200
metres



**Trench
Gold ppb**

- 200-590
- 100-200
- 55-100
- 15-55
- 0-15

 TAKU GOLD CORP.	
Date: 17/12/2013	Sulphur Property Blues Zone Profiles Section L-4400N Soil Au, Geoprobe SULGP13-06 Inverted Resistivity and IP
Author: MHuber	
Office: Val d'Or	
Drawing: Figure 11	
Scale: 1:0	Projection: Custom Projection



Trench Gold ppb

- 200-590
- 100-200
- 55-100
- 15-55
- 0-15



Date: 17/12/2013

Author: MHuber

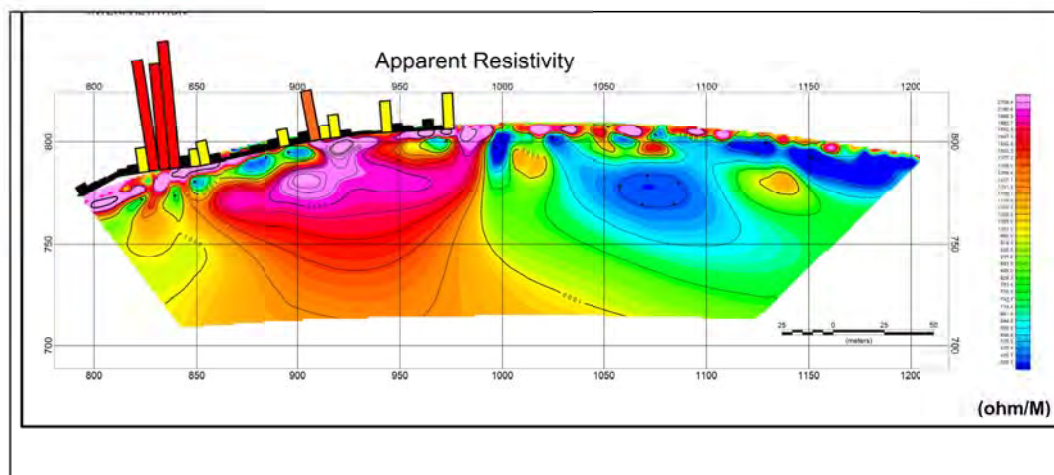
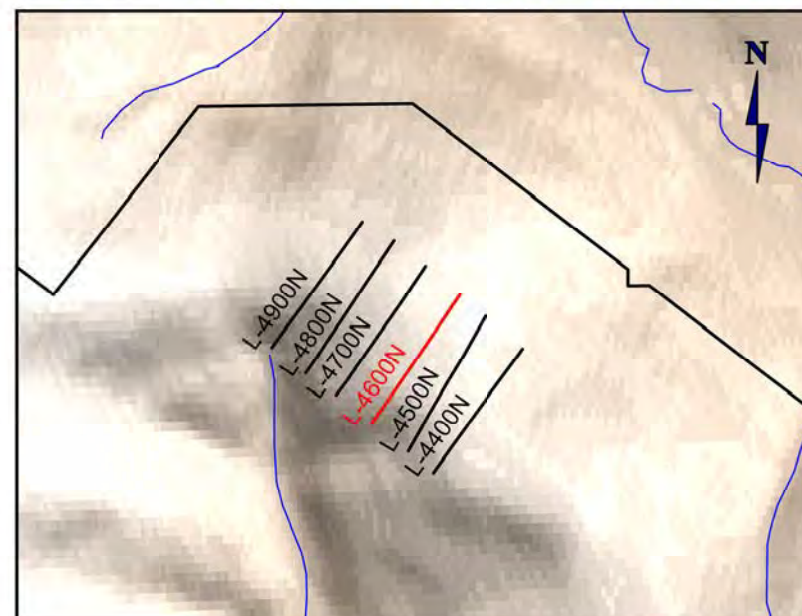
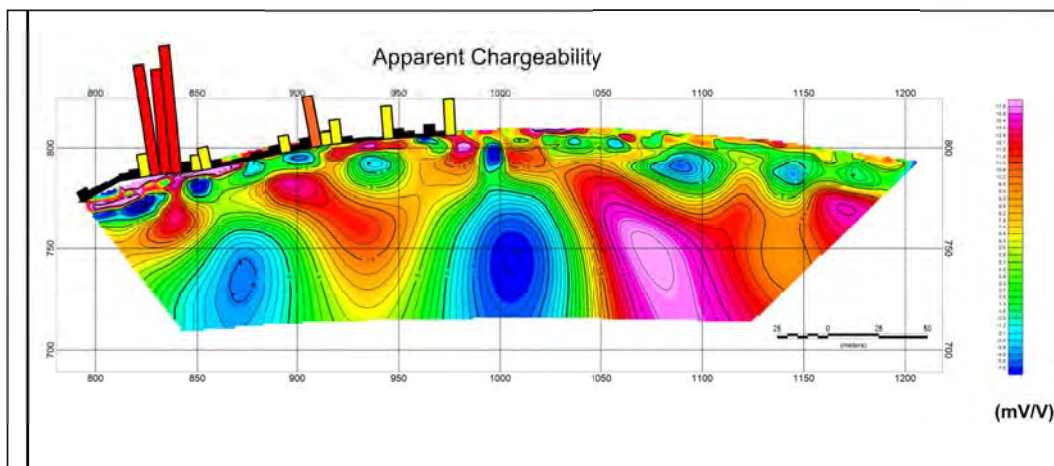
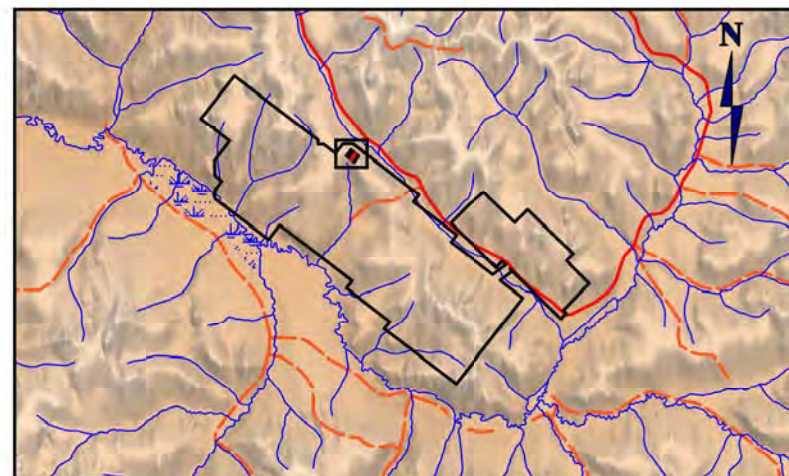
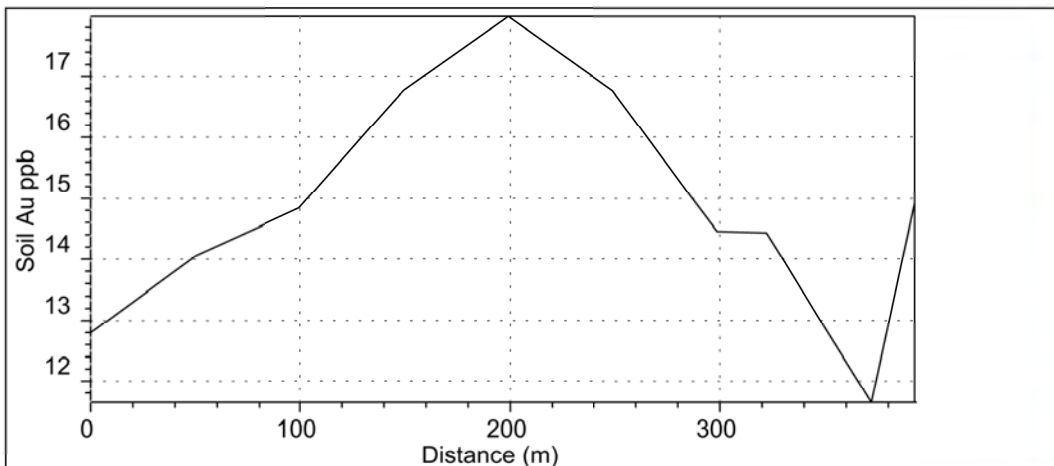
Office: Val d'Or

Drawing: Figure 12

Scale: 1:0

Sulphur Property
Blues Zone Profile
Section L-4500N
Soil Au, Geoprobe SULGP13-05
Inverted Resistivity and IP

Projection: Custom Projection



Trench Gold ppb

- 200-590
- 100-200
- 55-100
- 15-55
- 0-15



Date: 17/12/2013

Author: MHuber

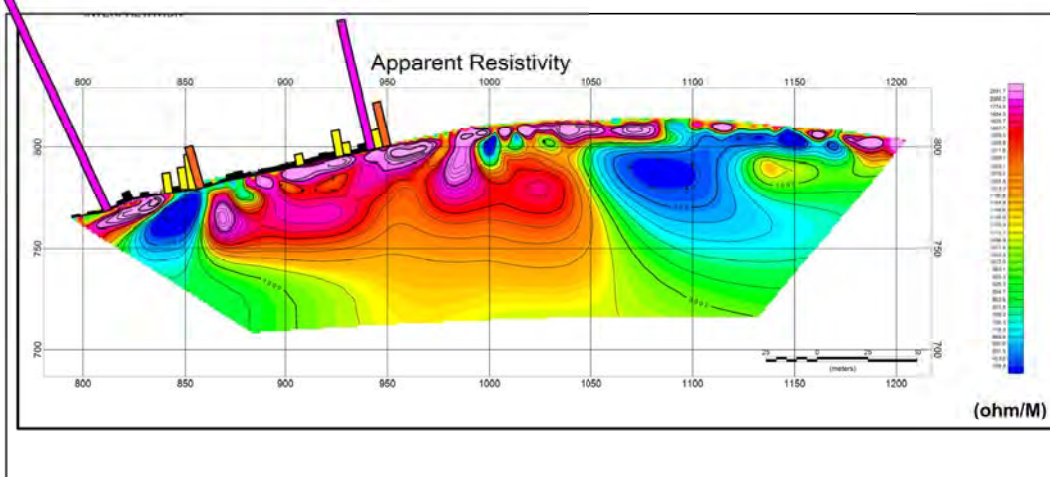
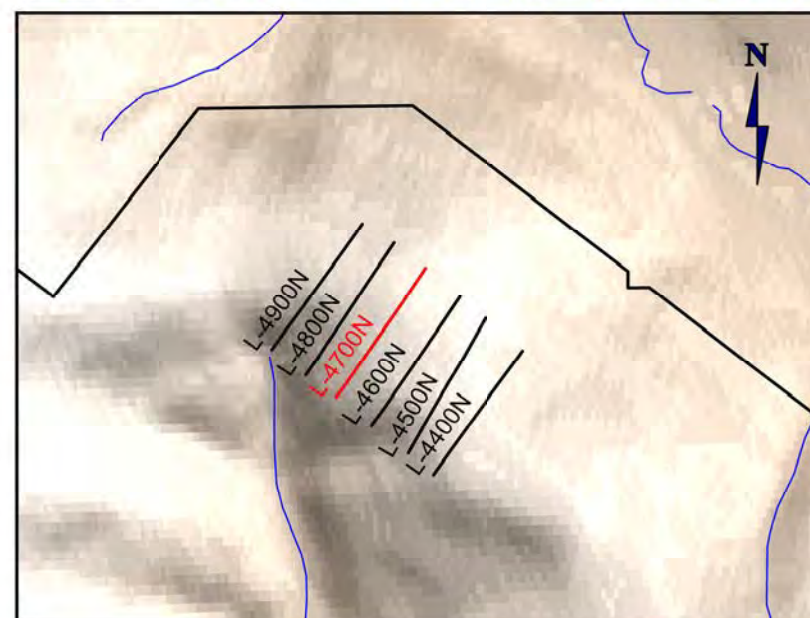
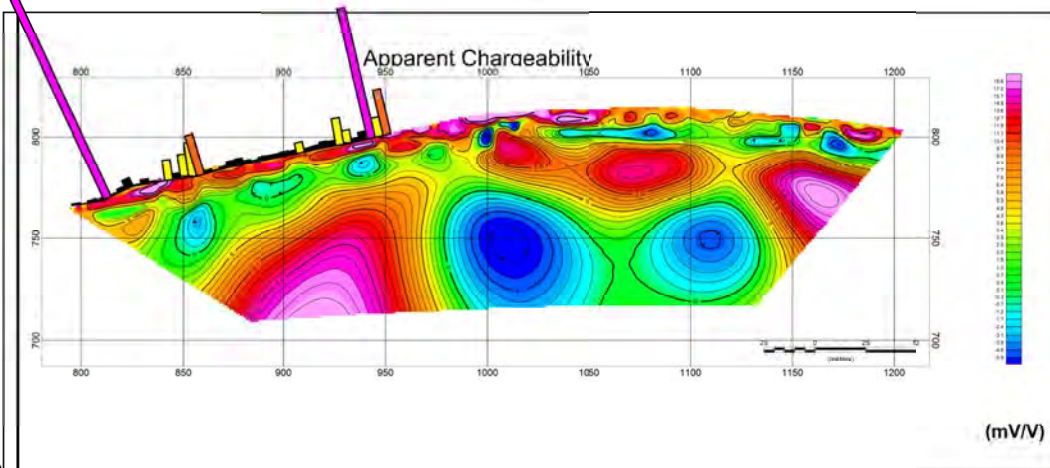
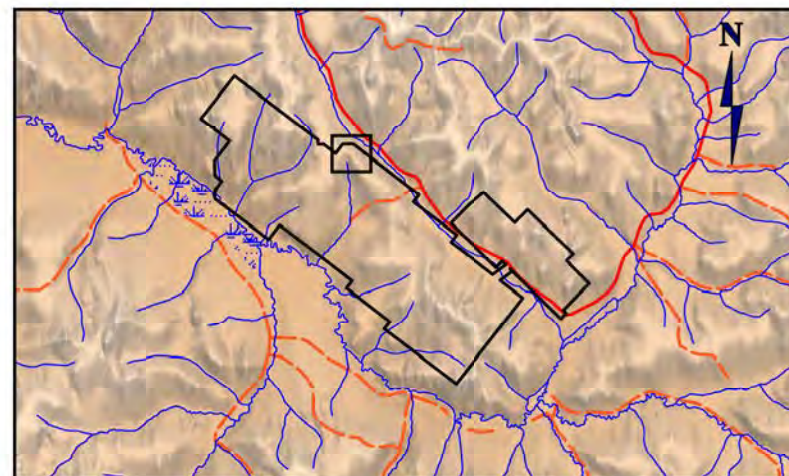
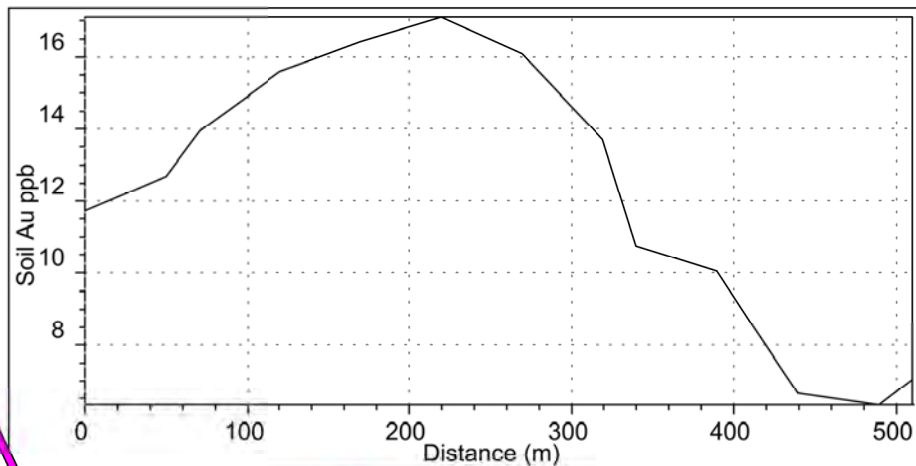
Office: Val d'Or

Drawing: Figure 13

Scale: 1:0

Sulphur Property
Blues Zone Profile
Section L-4600N
Soil Au, Geoprobe SULGP13-04
Inverted Resistivity and IP

Projection: Custom Projection



**Geoprobe
Gold ppb**

- 200-590
- 100-200
- 55-100
- 15-55
- 0-15



Date: 17/12/2013

Author: MHuber

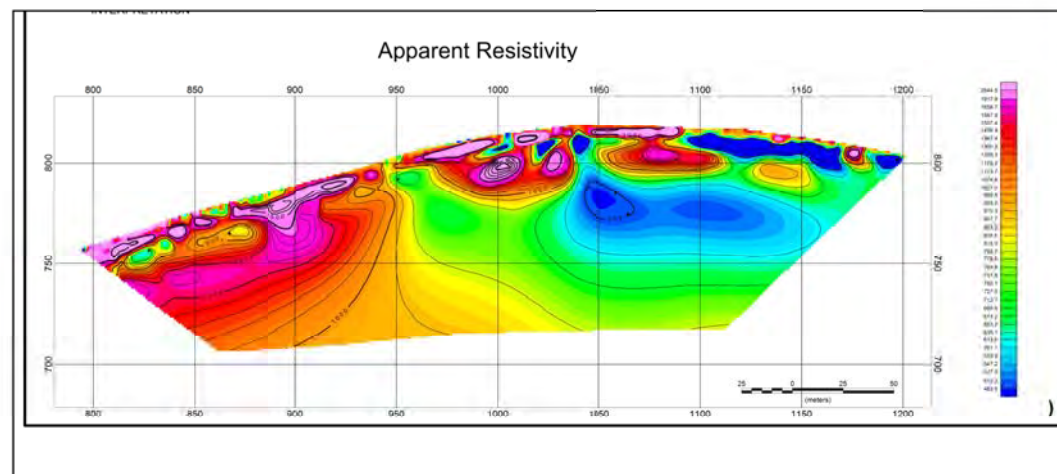
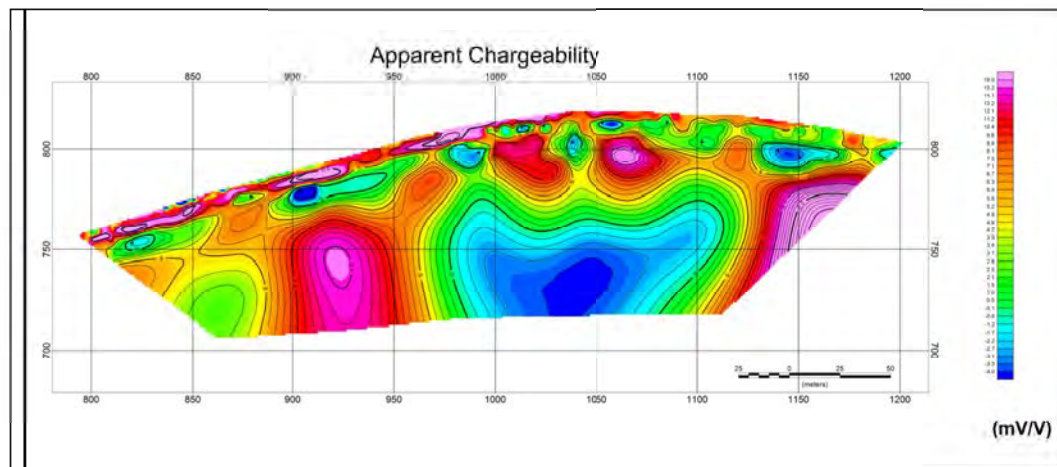
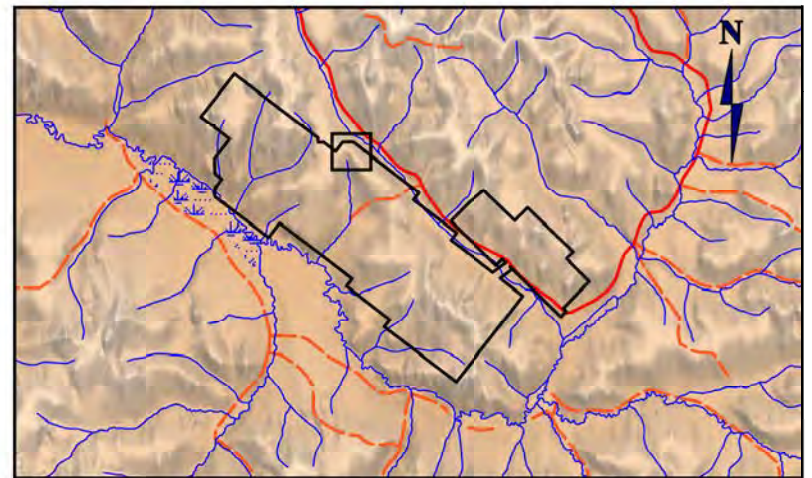
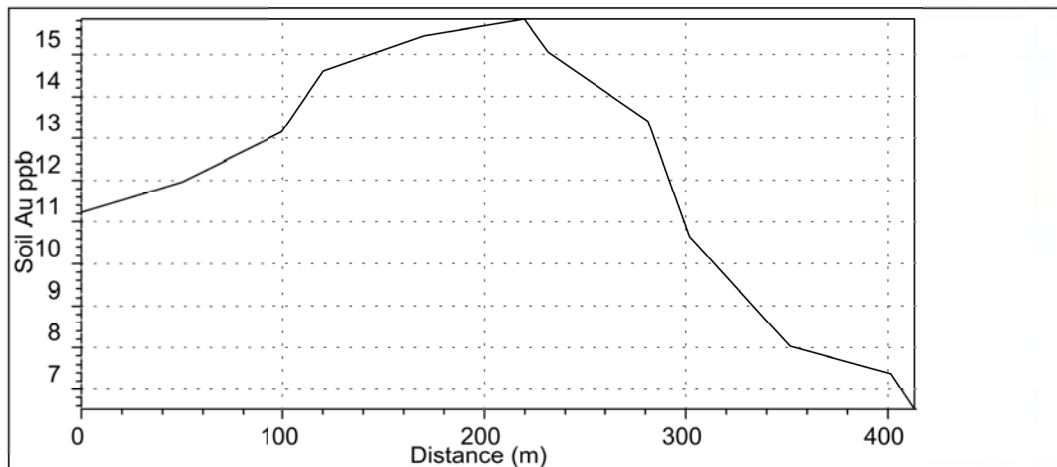
Office: Val d'Or

Drawing: Figure 14

Scale: 1:0

Sulphur Property
Blues Zone Profile
Section L-4700N
Soil Au, Geoprobe SULGP13-04
Inverted Resistivity and IP

Projection: Custom Projection



Trench Gold ppb

- 200-590
- 100-200
- 55-100
- 15-55
- 0-15



Date: 17/12/2013

Author: MHuber

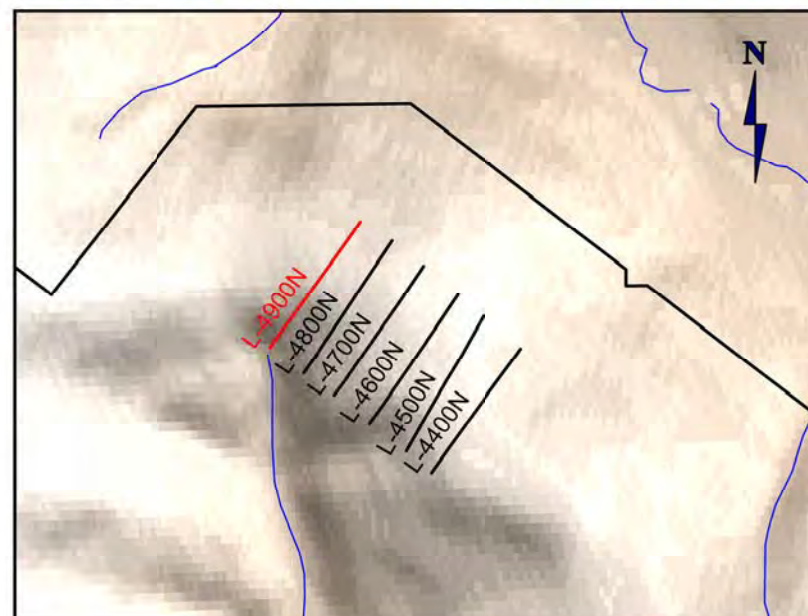
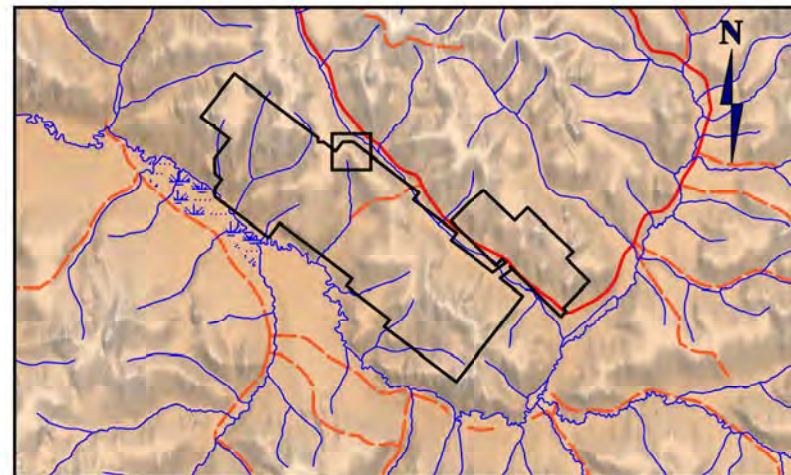
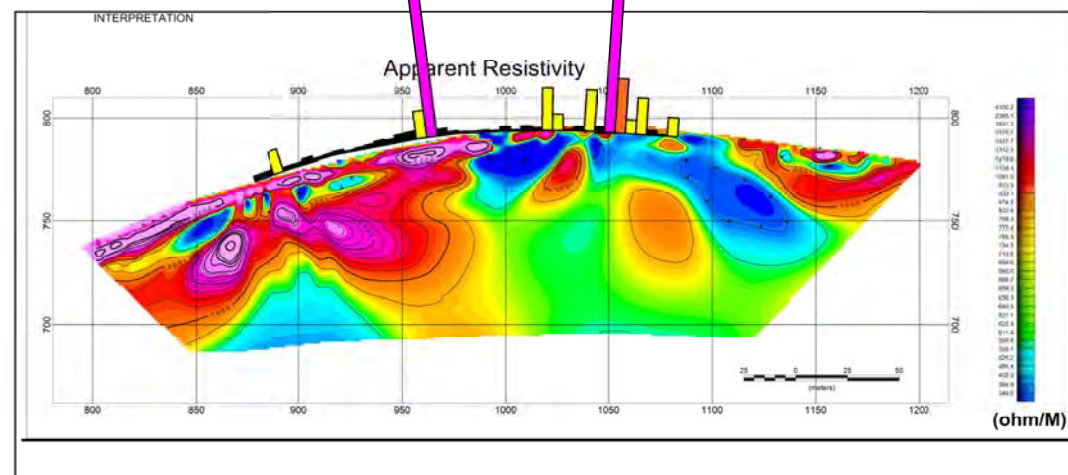
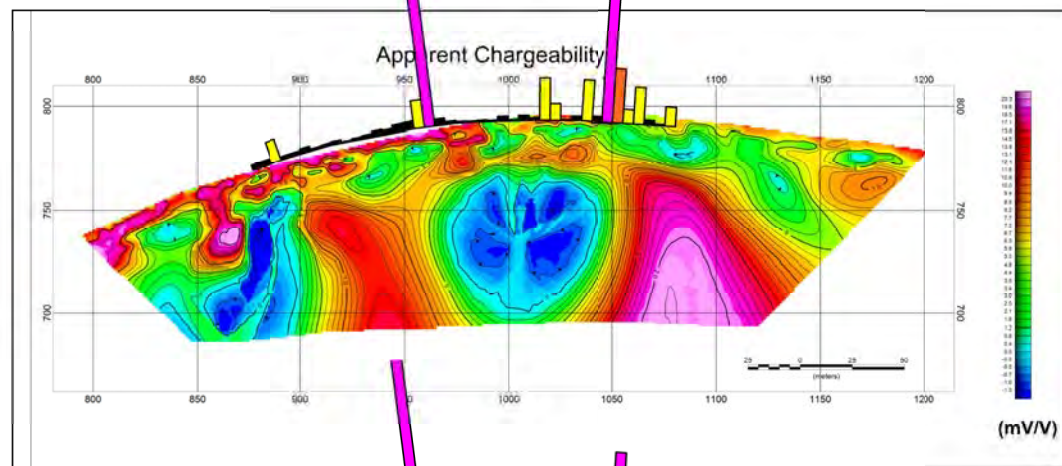
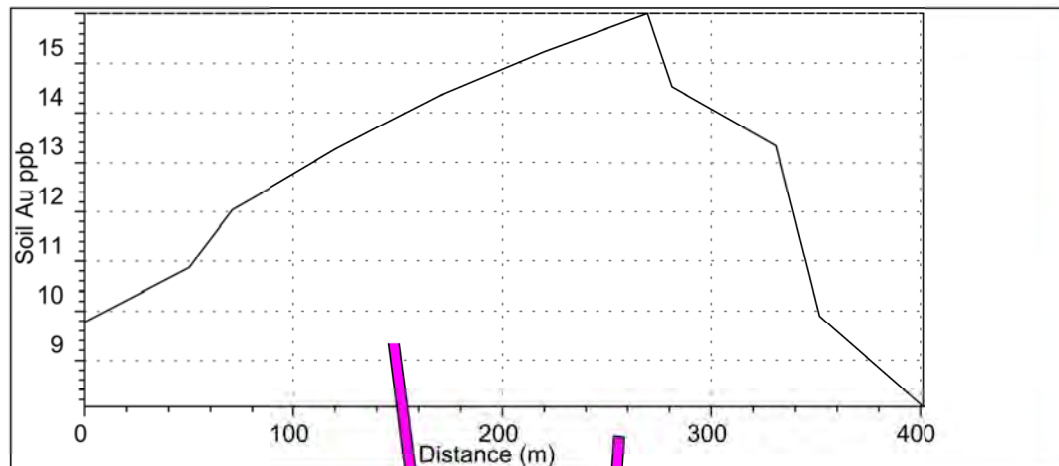
Office: Val d'Or

Drawing: Figure 15

Scale: 1:0

Sulphur Property
Blues Zone Profile
Section L-4800N
Soil Au, Inverted Resistivity and IP

Projection: Custom Projection



**Geoprobe
Gold ppb**

- 200-590**
- 100-200**
- 55-100**
- 15-55**
- 0-15**



Date: 17/12/2013

Author: MHuber

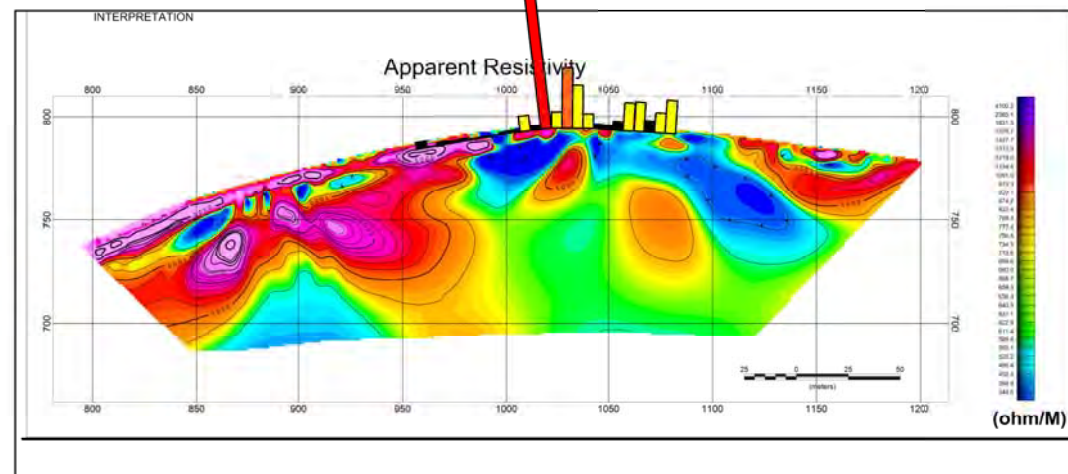
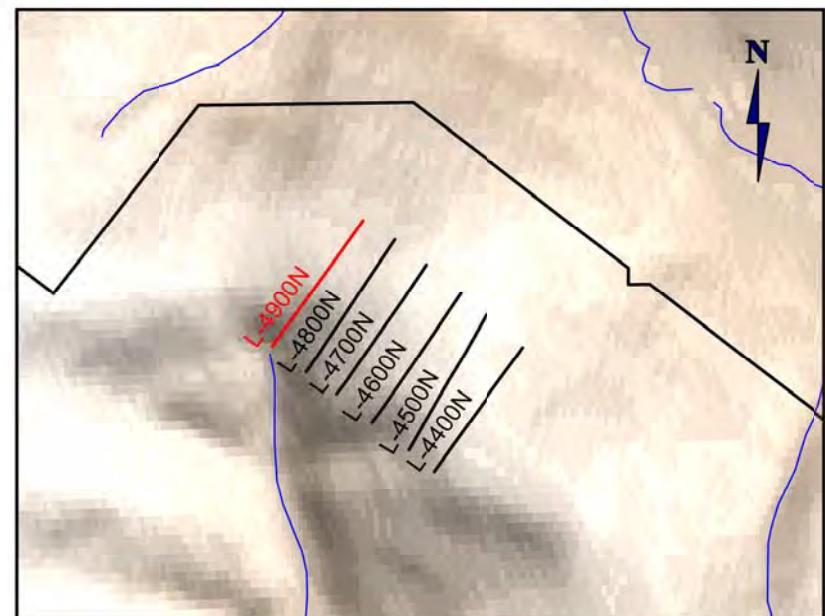
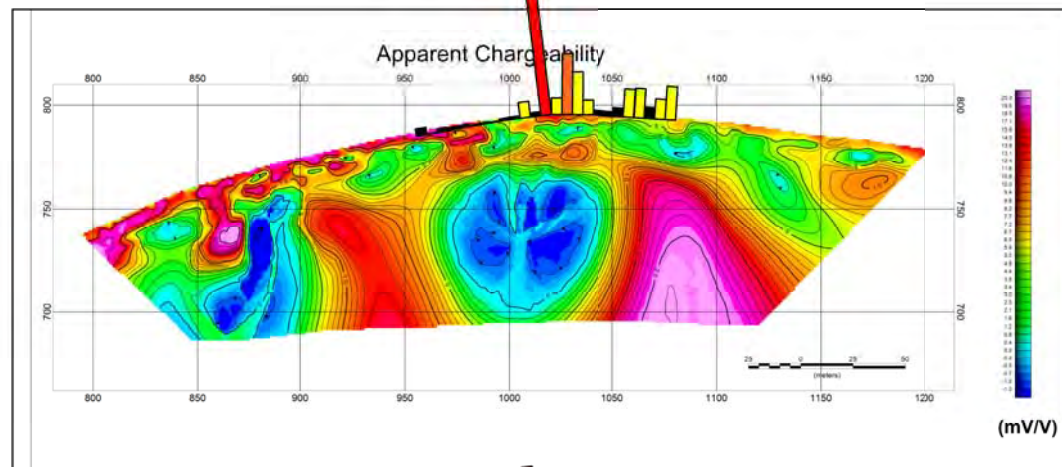
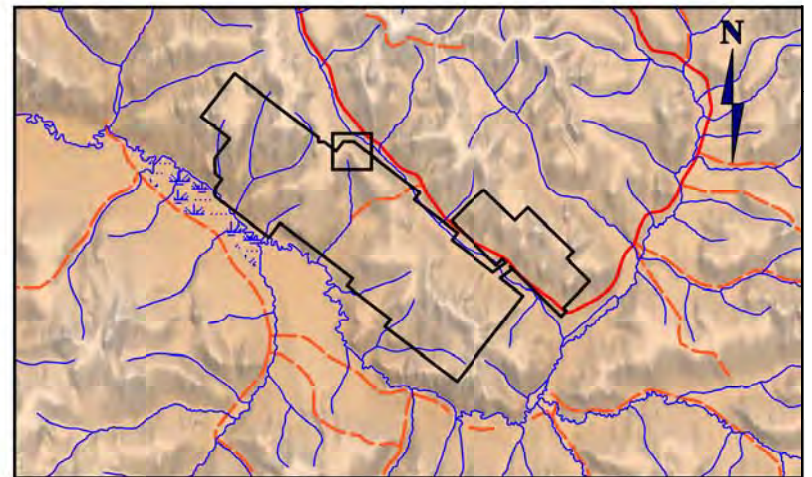
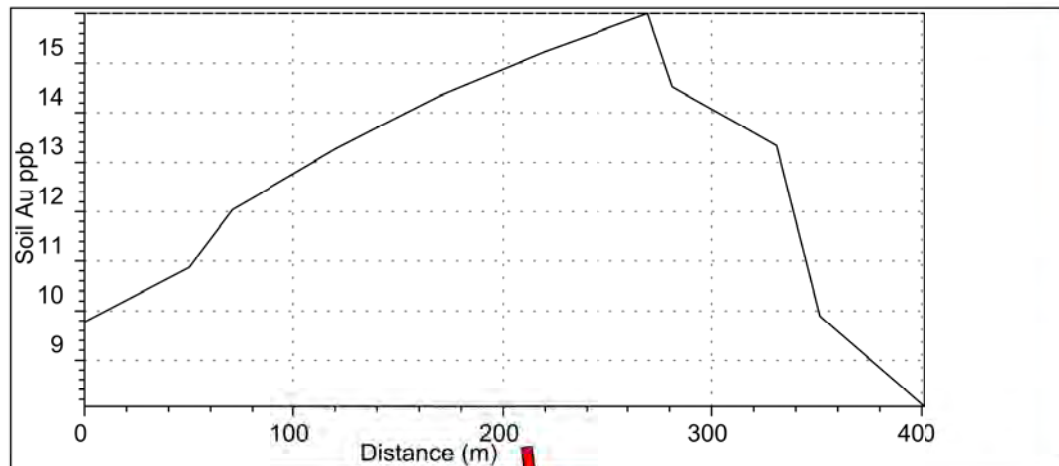
Office: Val d'Or

Drawing: Figure 16

Scale: 1:0

Sulphur Property
Blues Zone Profile
Section L-4900N
Soil Au, Geoprobe SULGP13-01
Inverted Resistivity and IP

Projection: Custom Projection



Trench Gold ppb

- 200-590
- 100-200
- 55-100
- 15-55
- 0-15



TAKU GOLD
CORP.

Date: 17/12/2013

Author: MHuber

Office: Val d'Or

Drawing: Figure 17

Scale: 1:0

Sulphur Property
Blues Zone Profile
Section L-4900N
Soil Au, Trench SUTH13-06
Inverted Resistivity and IP

Projection: Custom Projection

Recommendations

The results of the work described in this Report merit further work. Specifically it is recommended that the three potential gold-bearing structures outlined by the 2013 work be tested by drilling. A least two holes 100 to 150m in length should be drilled on each structure for an estimated total of 750m. Drilling in the Dawson area is relatively expensive due mainly to helicopter costs and water supply issues. It is estimated that the proposed 750m drill program will cost \$375,000 based on all-in expenses of \$500 per metre.

References

- Fekete, M. and Dubois, B. (2011): Surface work performed from May 22, 2011 to September 23, 2011 on the Sulphur Property, Dawson Mining District, Yukon, NTS Sheet 115O14 & 115O10) 63°42'N. Lat., 138°47'W. Long. (unpub.)
- Fekete, M. and Huber, M. (2012): Memorandum report of 2012 drilling on the Sulphur Property, Dawson Mining District, Yukon, NTS Sheet 115O14 & 115O10) 63°42'N. Lat., 138°47'W. Long. (unpub.)
- Gordey, S.P. and Ryan, J.J. (2005): Geology, Stewart River Area (115 N, 115-O and part of 115 J), Yukon Territory; Geological Survey of Canada, Open File 4970, scale 1:250 000.
- Mortensen, J.K. (1996): Geological compilation maps of the northern Stewart River map area, Klondike and Sixtymile Districts (115N/15, 16; 115O/13, 14; and parts of 115O/15, 16). Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, Open File 1996-1 (G).
- Ouellette, D. and Couttes (1987a): Geological, Geochemical, Geophysical and Trenching Report of the RIJ Mineral Claims; Yukon Geological Survey Assessment File Report No. 091721
- Ouellette, D. and Couttes (1987b): Report on the Upper Sulphur Creek Project; Yukon Geological Survey Assessment File Report No. 091946.
- Poon, J. (2010): Airborne geophysical report, Sulphur and Sulphur East Property (unpub.)
- Southam, P. (1995a): 1994 Geochemical report on the Flug Claims; Yukon Geological Survey Assessment File Report No. 093242.
- Southam, P. (1995b): 1995 Geochemical report on the Flug Claims; Yukon Geological Survey Assessment File Report No. 093351.

Memorandum Report of 2013 Surface Work

On the

Sulphur Property

SU 1 to 452	YD28201 to YD28652
US 1 to 84	YD06601 to YD06684
US 85 to 91	YD17723 to YD17729

**Dawson Mining District, Yukon
NTS Sheet 115O14 & 115O10
63°42'N. Lat., 138°47'W. Long.**

Operated by and Recorded to



**By
Mark Fekete, P.Geo.
and
Marty Huber, B.Sc., G.I.T
January 7, 2014**

VOLUME II

Appendix A - Statement of Work Expenditures

QDO1833

I, Mark Fehete
(Taku Gold Corp.)
of 178 Dennison Val d'or Qc.
Phone 819 354 5244
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)

please see attached list

situated at Sulphur Creek Claim sheet No. 1150 10-11-14-15

In the Dawson Mining District, to the value of at least 90200.01 dollars,

since the 1st day of July - 14 Sept. 20 13

to represent the following mineral claims under the authority of Grouping Certificate No. HD03393.
(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

please see attached list

please common date all to ~~March~~ LF
US85-91 to March 14, 2018
541-284 & US 1-84 to March 14, 2019

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).

<u>Geoclem Soil</u>	<u>5492.49</u>	<u>Breakaway</u>
<u>Geoclem Geoprobe (geoprobe)</u>	<u>44801.07</u>	<u>Ground Truth</u>
<u>Trenching (Trenching)</u>	<u>8300.90</u>	<u>Breakaway</u>
<u>Reclamation (reclamation)</u>	<u>31107.55</u>	<u>"</u>

Sworn before me at Dawson this 20th day of September 20 13

[Signature]
Notary Public

[Signature]
Owner or Authorized Agent

Access to Information and Protection of Privacy Act

The personal information requested on this form is collected under the authority of and used for the purpose of administering the Quartz Mining Act. Questions about the collection and use of this information can be directed to the Mining Records Office, Mineral Resources, Department of Energy, Mines and Resources, Yukon Government, Box 2703, Whitehorse, Yukon Territory, Y1A 2C6 (867) 667-3190

US+SU QD01833
claims

Vicki.Roberts

From: Mark Fekete <mark@takugold.com>
Sent: Friday, November 29, 2013 9:15 AM
To: Vicki.Roberts
Subject: RE: US and SU claim renewal

Vicki,

Sorry about being so long to get back to you but it has been a pretty busy couple of weeks for me. Samples are:

Soil: 93
Rock: 8
Rocks (Geoprobe): 210

Mark

From: Vicki.Roberts@gov.yk.ca [mailto:Vicki.Roberts@gov.yk.ca]
Sent: November-05-13 2:33 PM
To: mark@takugold.com
Subject: US and SU claim renewal

Hi Mark,

I am just entering the renewal noted as above. I just need a ball park figure of how many samples were done. If you could quote me some numbers I can just attach it to the renewal document. Thanks for the help.

Vicki Roberts

Mining Administration Officer

Dawson Mining Recorder's Office

867-993-5343

Taku Proj Mang
Project Allocation Detail
Sulphur Detail Report from 01/07/2013 to 17/09/2013

Item	Date	Invoice No.	Supplier	Amount
Blues Zone - Geoprobe Geochem				
5150 Geochem - Wages & Contract	08-10-2013	GT-SUL2013-01	Ground Truth Exploration Inc.	29,502.25
5153 Geochem - Transport	07-31-2013	1712	Trans North Helicopters	2,544.75
	09-16-2013	1772	Trans North Helicopters	1,761.75
5156 Geochem - Assays	08-22-2013	VANI 174592	Acmelabs	2,321.91
	08-22-2013	VANI 174590	Acmelabs	4,083.41
	08-31-2013	Estimate		4,595.00
				44,809.07
Blues Zone - Trenching				
5650 Trenching - Wages and Contract	08-31-2013	988	BXM	3,780.00
5651 Trenching - F&L	08-01-2013	204613	Small's Expediting Services	2,649.29
5653 Trenching - Transport	08-31-2013	988	BXM	600.00
	08-31-2013	IN 090331	AFD Petroleum	179.71
	12-09-2013	IN 091759	AFD Petroleum	146.90
5654 Trenching - Rentals	08-31-2013	980	BXM	870.00
5156 Geochem - Assays	08-22-2013	Estimate	Acmelabs	575.00
				8,800.90
Lions Zone - Soil Geochem				
5150 Geochem - Wages & Contract	08-31-2013	987	BXM	2,250.00
5151 Geochem - F&L	08-15-2013	8/18/2013	Bonanza Market	642.99
5152 Geochem - Supplies	07-31-2013	7/31/2013	Dawson Hardware	62.66
5153 Geochem - Transport	08-31-2013	987	BXM	300.00
5154 Geochem - Rentals	08-31-2013	987	BXM	130.00
5156 Geochem - Assays	07-01-2013	VANST 1307-238	Acmelabs	261.60
	08-22-2013	VANI 174597	Acmelabs	1,668.42
	08-22-2013	VANI 174610	Acmelabs	176.82
				5,492.49
Sulphur Reclamation				
5650 Trenching - Wages and Contract	07-31-2013	982	BXM	12,690.00
5651 Trenching - F&L	07-31-2013	982	BXM	113.71
	08-31-2013	989	BXM	857.94
	07-31-2013	7/31/2013	Bonanza Market	1,178.08
	07-01-2013	204395	Small's Expediting Services	2,505.08
	07-25-2013	204563	Small's Expediting Services	78.25
5652 Trenching - Supplies	07-31-2013	982	BXM	184.10
	08-31-2013	989	BXM	305.27
	07-23-2013	S307368	NIS	151.85
	07-23-2013	2097813	Arctic Inland Resources Ltd	6.70
	07-23-2013	2097812	Arctic Inland Resources Ltd	6.50
5653 Trenching - Transport	07-31-2013	982	BXM	3,517.98

6000-251 sample = 240.

7:2500 = 84 sample



QD01833

07-28-2013	11257	Fireweed Helicopters	3,465.00
07-29-2013	11232	Fireweed Helicopters	808.50
07-29-2013	11261	Fireweed Helicopters	1,039.50
07-31-2013	IN 087593	AFD Petroleum	634.92
07-23-2013	YDB -10149	AFD Petroleum	128.03
08-13-2013	IN 088492	AFD Petroleum	445.64
5654 Trenching - Rentals			
07-31-2013	982	BXM	2,987.50
			31,104.55
			90,207.01

Subscribed
Sept 20, 2013.



Claim Information					Actual Work Done by Claim			Renewal		
Type	Grant No.	Claim Name	Claim No.	Expiry Date	Geochem	Trenching	Reclamation	Years	Annual Fee	Total
Quartz	YD06601	US	1	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06602	US	2	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06603	US	3	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06604	US	4	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06605	US	5	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06606	US	6	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06607	US	7	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06608	US	8	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06609	US	9	1/14/2018	\$ 915.42		\$ 7,776.14	1.25	\$ 5.00	\$ 6.25
Quartz	YD06610	US	10	1/14/2018	\$ 915.42		\$ 7,776.14	1.25	\$ 5.00	\$ 6.25
Quartz	YD06611	US	11	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06612	US	12	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06613	US	13	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06614	US	14	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06615	US	15	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06616	US	16	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06617	US	17	1/14/2018	\$ 915.42			1.25	\$ 5.00	\$ 6.25
Quartz	YD06618	US	18	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06619	US	19	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06620	US	20	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06621	US	21	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06622	US	22	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06623	US	23	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06624	US	24	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06625	US	25	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06626	US	26	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06627	US	27	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06628	US	28	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06629	US	29	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06630	US	30	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06631	US	31	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06632	US	32	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06633	US	33	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06634	US	34	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06635	US	35	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06636	US	36	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06637	US	37	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06638	US	38	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06639	US	39	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06640	US	40	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06641	US	41	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06642	US	42	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06643	US	43	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06644	US	44	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06645	US	45	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06646	US	46	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06647	US	47	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06648	US	48	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06649	US	49	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06650	US	50	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06651	US	51	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06652	US	52	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06653	US	53	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06654	US	54	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06655	US	55	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06656	US	56	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06657	US	57	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06658	US	58	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06659	US	59	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06660	US	60	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06661	US	61	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06662	US	62	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06663	US	63	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06664	US	64	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06665	US	65	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06666	US	66	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06667	US	67	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06668	US	68	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06669	US	69	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06670	US	70	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06671	US	71	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06672	US	72	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06673	US	73	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06674	US	74	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06675	US	75	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06676	US	76	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06677	US	77	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06678	US	78	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06679	US	79	1/14/2018				1.25	\$ 5.00	\$ 6.25

Claim Information					Actual Work Done by Claim			Renewal		
Type	Grant No.	Claim Name	Claim No.	Expiry Date	Geochem	Trenching	Reclamation	Years	Annual Fee	Total
Quartz	YD06680	US	80	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06681	US	81	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06682	US	82	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06683	US	83	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD06684	US	84	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD17723	US	85	9/14/2013				4.5	\$ 5.00	\$ 22.50
Quartz	YD17724	US	86	9/14/2013				4.5	\$ 5.00	\$ 22.50
Quartz	YD17725	US	87	9/14/2013	\$ 915.42			4.5	\$ 5.00	\$ 22.50
Quartz	YD17726	US	88	9/14/2013	\$ 915.42			4.5	\$ 5.00	\$ 22.50
Quartz	YD17727	US	89	9/14/2013	\$ 915.42			4.5	\$ 5.00	\$ 22.50
Quartz	YD17728	US	90	9/14/2013				4.5	\$ 5.00	\$ 22.50
Quartz	YD17729	US	91	9/14/2013				4.5	\$ 5.00	\$ 22.50
Quartz	YD28201	SU	1	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28202	SU	2	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28203	SU	3	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28204	SU	4	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28205	SU	5	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28206	SU	6	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28207	SU	7	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28208	SU	8	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28209	SU	9	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28210	SU	10	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28211	SU	11	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28212	SU	12	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28213	SU	13	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28214	SU	14	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28215	SU	15	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28216	SU	16	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28217	SU	17	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28218	SU	18	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28219	SU	19	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28220	SU	20	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28221	SU	21	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28222	SU	22	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28223	SU	23	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28224	SU	24	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28225	SU	25	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28226	SU	26	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28227	SU	27	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28228	SU	28	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28229	SU	29	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28230	SU	30	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28231	SU	31	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28232	SU	32	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28233	SU	33	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28234	SU	34	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28235	SU	35	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28236	SU	36	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28237	SU	37	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28238	SU	38	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28239	SU	39	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28240	SU	40	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28241	SU	41	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28242	SU	42	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28243	SU	43	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28244	SU	44	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28245	SU	45	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28246	SU	46	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28247	SU	47	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28248	SU	48	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28249	SU	49	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28250	SU	50	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28251	SU	51	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28252	SU	52	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28253	SU	53	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28254	SU	54	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28255	SU	55	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28256	SU	56	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28257	SU	57	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28258	SU	58	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28259	SU	59	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28260	SU	60	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28261	SU	61	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28262	SU	62	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28263	SU	63	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28264	SU	64	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28265	SU	65	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28266	SU	66	1/14/2018				1.25	\$ 5.00	\$ 6.25

Claim Information					Actual Work Done by Claim			Renewal		
Type	Grant No.	Claim Name	Claim No.	Expiry Date	Geochem	Trenching	Reclamation	Years	Annual Fee	Total
Quartz	YD28267	SU	67	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28268	SU	68	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28269	SU	69	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28270	SU	70	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28271	SU	71	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28272	SU	72	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28273	SU	73	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28274	SU	74	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28275	SU	75	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28276	SU	76	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28277	SU	77	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28278	SU	78	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28279	SU	79	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28280	SU	80	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28281	SU	81	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28282	SU	82	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28283	SU	83	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28284	SU	84	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28285	SU	85	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28286	SU	86	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28287	SU	87	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28288	SU	88	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28289	SU	89	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28290	SU	90	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28291	SU	91	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28292	SU	92	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28293	SU	93	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28294	SU	94	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28295	SU	95	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28296	SU	96	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28297	SU	97	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28298	SU	98	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28299	SU	99	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28300	SU	100	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28301	SU	101	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28302	SU	102	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28303	SU	103	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28304	SU	104	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28305	SU	105	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28306	SU	106	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28307	SU	107	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28308	SU	108	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28309	SU	109	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28310	SU	110	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28311	SU	111	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28312	SU	112	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28313	SU	113	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28314	SU	114	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28315	SU	115	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28316	SU	116	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28317	SU	117	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28318	SU	118	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28319	SU	119	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28320	SU	120	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28321	SU	121	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28322	SU	122	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28323	SU	123	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28324	SU	124	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28325	SU	125	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28326	SU	126	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28327	SU	127	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28328	SU	128	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28329	SU	129	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28330	SU	130	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28331	SU	131	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28332	SU	132	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28333	SU	133	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28334	SU	134	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28335	SU	135	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28336	SU	136	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28337	SU	137	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28338	SU	138	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28339	SU	139	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28340	SU	140	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28341	SU	141	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28342	SU	142	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28343	SU	143	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28344	SU	144	1/14/2018				1.25	\$ 5.00	\$ 6.25

Claim Information					Actual Work Done by Claim			Renewal		
Type	Grant No.	Claim Name	Claim No.	Expiry Date	Geochem	Trenching	Reclamation	Years	Annual Fee	Total
Quartz	YD28345	SU	145	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28346	SU	146	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28347	SU	147	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28348	SU	148	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28349	SU	149	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28350	SU	150	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28351	SU	151	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28352	SU	152	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28353	SU	153	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28354	SU	154	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28355	SU	155	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28356	SU	156	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28357	SU	157	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28358	SU	158	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28359	SU	159	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28360	SU	160	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28361	SU	161	1/14/2018	\$ 11,202.27			1.25	\$ 5.00	\$ 6.25
Quartz	YD28362	SU	162	1/14/2018	\$ 11,202.27		\$ 7,776.14	1.25	\$ 5.00	\$ 6.25
Quartz	YD28363	SU	163	1/14/2018	\$ 11,202.27	\$ 4,400.45		1.25	\$ 5.00	\$ 6.25
Quartz	YD28364	SU	164	1/14/2018	\$ 11,202.27	\$ 4,400.45		1.25	\$ 5.00	\$ 6.25
Quartz	YD28365	SU	165	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28366	SU	166	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28367	SU	167	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28368	SU	168	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28369	SU	169	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28370	SU	170	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28371	SU	171	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28372	SU	172	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28373	SU	173	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28374	SU	174	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28375	SU	175	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28376	SU	176	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28377	SU	177	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28378	SU	178	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28379	SU	179	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28380	SU	180	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28381	SU	181	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28382	SU	182	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28383	SU	183	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28384	SU	184	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28385	SU	185	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28386	SU	186	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28387	SU	187	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28388	SU	188	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28389	SU	189	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28390	SU	190	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28391	SU	191	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28392	SU	192	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28393	SU	193	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28394	SU	194	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28395	SU	195	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28396	SU	196	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28397	SU	197	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28398	SU	198	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28399	SU	199	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28400	SU	200	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28401	SU	201	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28402	SU	202	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28403	SU	203	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28404	SU	204	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28405	SU	205	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28406	SU	206	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28407	SU	207	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28408	SU	208	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28409	SU	209	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28410	SU	210	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28411	SU	211	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28412	SU	212	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28413	SU	213	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28414	SU	214	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28415	SU	215	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28416	SU	216	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28417	SU	217	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28418	SU	218	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28419	SU	219	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28420	SU	220	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28421	SU	221	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28422	SU	222	1/14/2018				1.25	\$ 5.00	\$ 6.25

4101833

Claim Information					Actual Work Done by Claim			Renewal		
Type	Grant No.	Claim Name	Claim No.	Expiry Date	Geochem	Trenching	Reclamation	Years	Annual Fee	Total
Quartz	YD28423	SU	223	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28424	SU	224	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28425	SU	225	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28426	SU	226	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28427	SU	227	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28428	SU	228	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28429	SU	229	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28430	SU	230	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28431	SU	231	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28432	SU	232	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28433	SU	233	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28434	SU	234	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28435	SU	235	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28436	SU	236	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28437	SU	237	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28438	SU	238	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28439	SU	239	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28440	SU	240	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28441	SU	241	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28442	SU	242	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28443	SU	243	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28444	SU	244	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28445	SU	245	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28446	SU	246	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28447	SU	247	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28448	SU	248	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28449	SU	249	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28450	SU	250	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28451	SU	251	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28452	SU	252	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28453	SU	253	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28454	SU	254	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28455	SU	255	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28456	SU	256	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28457	SU	257	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28458	SU	258	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28459	SU	259	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28460	SU	260	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28461	SU	261	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28462	SU	262	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28463	SU	263	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28464	SU	264	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28465	SU	265	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28466	SU	266	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28467	SU	267	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28468	SU	268	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28469	SU	269	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28470	SU	270	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28471	SU	271	1/14/2018			\$ 7,776.14	1.25	\$ 5.00	\$ 6.25
Quartz	YD28472	SU	272	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28473	SU	273	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28474	SU	274	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28475	SU	275	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28476	SU	276	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28477	SU	277	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28478	SU	278	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28479	SU	279	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28480	SU	280	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28481	SU	281	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28482	SU	282	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28483	SU	283	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28484	SU	284	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28485	SU	285	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28486	SU	286	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28487	SU	287	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28488	SU	288	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28489	SU	289	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28490	SU	290	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28491	SU	291	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28492	SU	292	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28493	SU	293	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28494	SU	294	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28495	SU	295	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28496	SU	296	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28497	SU	297	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28498	SU	298	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28499	SU	299	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28500	SU	300	1/14/2018				1.25	\$ 5.00	\$ 6.25

P001833

Claim Information					Actual Work Done by Claim			Renewal		
Type	Grant No.	Claim Name	Claim No.	Expiry Date	Geochem	Trenching	Reclamation	Years	Annual Fee	Total
Quartz	YD28501	SU	301	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28502	SU	302	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28503	SU	303	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28504	SU	304	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28505	SU	305	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28506	SU	306	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28507	SU	307	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28508	SU	308	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28509	SU	309	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28510	SU	310	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28511	SU	311	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28512	SU	312	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28513	SU	313	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28514	SU	314	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28515	SU	315	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28516	SU	316	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28517	SU	317	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28518	SU	318	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28519	SU	319	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28520	SU	320	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28521	SU	321	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28522	SU	322	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28523	SU	323	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28524	SU	324	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28525	SU	325	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28526	SU	326	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28527	SU	327	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28528	SU	328	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28529	SU	329	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28530	SU	330	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28531	SU	331	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28532	SU	332	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28533	SU	333	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28534	SU	334	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28535	SU	335	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28536	SU	336	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28537	SU	337	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28538	SU	338	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28539	SU	339	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28540	SU	340	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28541	SU	341	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28542	SU	342	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28543	SU	343	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28544	SU	344	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28545	SU	345	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28546	SU	346	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28547	SU	347	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28548	SU	348	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28549	SU	349	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28550	SU	350	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28551	SU	351	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28552	SU	352	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28553	SU	353	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28554	SU	354	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28555	SU	355	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28556	SU	356	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28557	SU	357	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28558	SU	358	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28559	SU	359	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28560	SU	360	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28561	SU	361	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28562	SU	362	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28563	SU	363	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28564	SU	364	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28565	SU	365	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28566	SU	366	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28567	SU	367	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28568	SU	368	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28569	SU	369	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28570	SU	370	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28571	SU	371	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28572	SU	372	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28573	SU	373	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28574	SU	374	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28575	SU	375	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28576	SU	376	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28577	SU	377	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28578	SU	378	1/14/2018				1.25	\$ 5.00	\$ 6.25

Claim Information					Actual Work Done by Claim			Renewal		
Type	Grant No.	Claim Name	Claim No.	Expiry Date	Geochem	Trenching	Reclamation	Years	Annual Fee	Total
Quartz	YD28579	SU	379	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28580	SU	380	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28581	SU	381	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28582	SU	382	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28583	SU	383	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28584	SU	384	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28585	SU	385	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28586	SU	386	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28587	SU	387	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28588	SU	388	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28589	SU	389	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28590	SU	390	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28591	SU	391	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28592	SU	392	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28593	SU	393	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28594	SU	394	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28595	SU	395	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28596	SU	396	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28597	SU	397	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28598	SU	398	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28599	SU	399	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28600	SU	400	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28601	SU	401	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28602	SU	402	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28603	SU	403	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28604	SU	404	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28605	SU	405	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28606	SU	406	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28607	SU	407	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28608	SU	408	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28609	SU	409	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28610	SU	410	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28611	SU	411	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28612	SU	412	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28613	SU	413	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28614	SU	414	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28615	SU	415	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28616	SU	416	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28617	SU	417	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28618	SU	418	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28619	SU	419	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28620	SU	420	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28621	SU	421	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28622	SU	422	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28623	SU	423	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28624	SU	424	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28625	SU	425	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28626	SU	426	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28627	SU	427	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28628	SU	428	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28629	SU	429	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28630	SU	430	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28631	SU	431	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28632	SU	432	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28633	SU	433	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28634	SU	434	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28635	SU	435	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28636	SU	436	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28637	SU	437	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28638	SU	438	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28639	SU	439	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28640	SU	440	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28641	SU	441	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28642	SU	442	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28643	SU	443	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28644	SU	444	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28645	SU	445	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28646	SU	446	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28647	SU	447	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28648	SU	448	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28649	SU	449	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28650	SU	450	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28651	SU	451	1/14/2018				1.25	\$ 5.00	\$ 6.25
Quartz	YD28652	SU	452	1/14/2018				1.25	\$ 5.00	\$ 6.25
Column Total					\$ 50,301.56	\$ 8,800.90	\$ 31,104.55	701.5		\$ 3,507.50
Check Column total less Expenses					\$ 39,905.45					

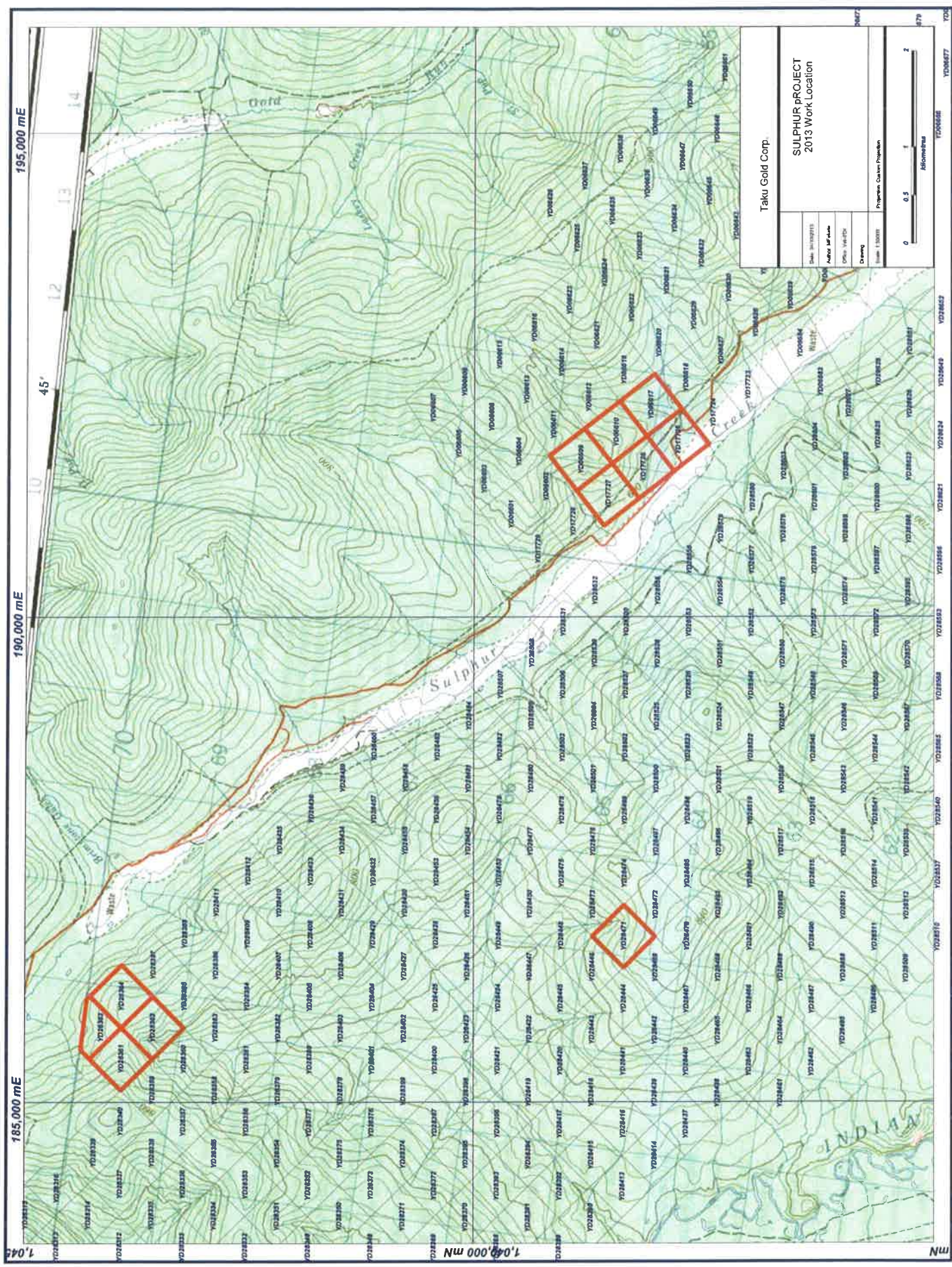
QD01833

Type	Claim Information				Actual Work Done by Claim			Renewal		
	Grant No.	Claim Name	Claim No.	Expiry Date	Geochem	Trenching	Reclamation	Years	Annual Fee	Total
	Number of Claims Where work was done				11					
	Expenses (from Project Management Sheet)				\$ 90,207.01					
	Work Required for requested renewal				\$ 70,150.00					
	Surplus (Deficit)				\$ 20,057.01					
	Years to renew 536 claims x 1.25 years + 7 claims x 4.5 year				701.5					
	Renwal Fees = 1560 years x \$5.00 + 7 years x \$15.00				\$ 3,507.50					

Amended
Sept 20, 2013



0001833



Taku Gold Corp.	
SULPHUR PROJECT	
2013 Work Location	
Date: 10/10/2013	Author: M. J. Allen
Officer: M. J. Allen	Drawn: M. J. Allen
Scale: 1:50,000	Project: Carbon Project
0 0.5 1 2 Kilometers	
79	

Appendix B - Sample Descriptions

Appendix B - Soil Locations and Descriptions

Sample	Type	Date	Sampler	Easting	Northing	SampleType	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
130481	Soil	02/08/2013	MartyHuber	611185	7065085	Colluvium	Brown	Sand	ModerateW	C	95	Dry	Excellent	ForestMixed
130514	Soil	02/08/2013	MartyHuber	611439	7064760	Colluvium	Orange	Sand	ModerateSW	C	85	Dry	Excellent	ForestMixed
130513	Soil	02/08/2013	MartyHuber	611482	7064808	Colluvium	Orange	Sand	ModerateSW	C	65	Dry	Excellent	ForestMixed
130512	Soil	02/08/2013	MartyHuber	611512	7064841	Colluvium	Brown	Sand	ModerateSW	C	75	Dry	Excellent	ForestMixed
130511	Soil	02/08/2013	MartyHuber	611560	7064879	Colluvium	Brown	Silt	ModerateE	C	80	Dry	Good	ForestMixed
130510	Soil	02/08/2013	MartyHuber	611575	7064916	Colluvium	Brown	Sand	ModerateE	C	65	Dry	Good	ForestMixed
130509	Soil	02/08/2013	MartyHuber	611613	7064961	Colluvium	Brown	Sand	ModerateE	C	50	Dry	Excellent	ForestMixed
130508	Soil	02/08/2013	MartyHuber	611578	7065060	Colluvium	Brown	Sand	ModerateE	C	65	Dry	Excellent	ForestMixed
130507	Soil	02/08/2013	MartyHuber	611538	7065029	Colluvium	Brown	Sand	ModerateE	C	80	Dry	Excellent	ForestBlackSpruce
130506	Soil	02/08/2013	MartyHuber	611510	7064989	Colluvium	Brown	Sand	Flat	C	65	Dry	Excellent	ForestMixed
130505	Soil	02/08/2013	MartyHuber	611471	7064958	Colluvium	Brown	Sand	ModerateSW	C	50	Dry	Excellent	ForestMixed
130504	Soil	02/08/2013	MartyHuber	611441	7064916	Colluvium	Brown	Sand	ModerateSW	C	60	Dry	Excellent	ForestMixed
130503	Soil	02/08/2013	MartyHuber	611405	7064880	Colluvium	Brown	Sand	ModerateSW	C	55	Dry	Excellent	ForestMixed
130502	Soil	01/08/2013	MartyHuber	611367	7064831	Colluvium	Brown	Sand	ModerateSW	C	40	Dry	Excellent	ForestMixed
130501	Soil	01/08/2013	MartyHuber	611340	7064801	Colluvium	Brown	Sand	ModerateSW	C	55	Dry	Excellent	ForestMixed
130500	Soil	01/08/2013	MartyHuber	611271	7064876	Colluvium	Brown	Sand	ModerateSW	C	80	Dry	Excellent	ForestMixed
130499	Soil	01/08/2013	MartyHuber	611281	7064877	Colluvium	Brown	Sand	ModerateSW	C	110	Dry	Excellent	ForestMixed
130498	Soil	01/08/2013	MartyHuber	611332	7064947	Colluvium	Brown	Sand	ModerateSW	C	110	Dry	Excellent	ForestMixed
130497	Soil	01/08/2013	MartyHuber	611360	7064977	Colluvium	Brown	Sand	ModerateSW	C	65	Dry	Excellent	ForestMixed
130496	Soil	01/08/2013	MartyHuber	611397	7065010	Colluvium	Brown	Sand	ModerateSW	C	100	Dry	Excellent	ForestBlackSpruce
130495	Soil	01/08/2013	MartyHuber	611437	7065044	Colluvium	Brown	Sand	ModerateSW	C	85	Dry	Excellent	ForestBlackSpruce
130494	Soil	01/08/2013	MartyHuber	611460	7065082	Colluvium	Brown	Sand	Flat	C	80	Dry	Excellent	ForestMixed
130493	Soil	01/08/2013	MartyHuber	611506	7065120	Colluvium	Brown	Sand	ModerateE	C	85	Dry	Good	ForestMixed
130492	Soil	01/08/2013	MartyHuber	611538	7065159	Colluvium	Brown	Sand	ModerateE	C	85	Dry	Excellent	ForestMixed
130491	Soil	01/08/2013	MartyHuber	611569	7065197	Colluvium	Brown	Sand	ModerateE	C	85	Dry	Excellent	ForestMixed
130490	Soil	01/08/2013	MartyHuber	611586	7065238	Colluvium	Brown	Sand	ModerateE	C	45	Dry	Good	ForestMixed
130489	Soil	01/08/2013	MartyHuber	611337	7065079	Colluvium	Brown	Sand	ModerateSW	C	95	Dry	Excellent	ForestMixed
130488	Soil	01/08/2013	MartyHuber	611304	7065038	Colluvium	Brown	Sand	ModerateSW	C	70	Dry	Excellent	ForestMixed
130487	Soil	01/08/2013	MartyHuber	611255	7065017	Colluvium	Brown	Sand	ModerateSW	C	60	Dry	Excellent	ForestMixed
130486	Soil	01/08/2013	MartyHuber	611221	7064971	Colluvium	Brown	Sand	ModerateSW	C	65	Dry	Excellent	ForestMixed
130485	Soil	01/08/2013	MartyHuber	611192	7064938	Colluvium	Brown	Sand	ModerateSW	C	80	Dry	Excellent	ForestMixed
130484	Soil	01/08/2013	MartyHuber	611085	7064961	Colluvium	Brown	Sand	ModerateW	C	75	Dry	Excellent	ForestMixed
130483	Soil	01/08/2013	MartyHuber	611111	7065017	Colluvium	Brown	Silt	ModerateW	B	50	Moist	Good	ForestMixed
130482	Soil	01/08/2013	MartyHuber	611152	7065056	Colluvium	Brown	Sand	ModerateW	C	60	Dry	Excellent	ForestMixed
130479	Soil	01/08/2013	MartyHuber	611214	7065120	Colluvium	Brown	Sand	ModerateW	C	80	Dry	Excellent	ForestMixed
130478	Soil	01/08/2013	MartyHuber	611252	7065156	Colluvium	Brown	Sand	ModerateW	C	75	Dry	Excellent	ForestMixed

Appendix B - Soil Locations and Descriptions

Sample	Type	Date	Sampler	Easting	Northing	SampleType	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
127782	Soil	01/08/2013	DarrellKraemer	610979	7064995	Colluvium	Brown	Sand	ModerateS	C	30	Dry	Excellent	ForestMixed
127781	Soil	01/08/2013	DarrellKraemer	611015	7065023	Colluvium	RustyRed	Sand	ModerateS	C	35	Moist	Excellent	ForestMixed
124999	Soil	01/08/2013	DarrellKraemer	611045	7065061	Colluvium	Brown	Silt	ModerateS	B	25	Dry	Good	ForestMixed
124998	Soil	01/08/2013	DarrellKraemer	611085	7065122	Colluvium	Brown	Silt	ModerateS	C	40	Moist	Good	ForestMixed
147410	Soil	01/08/2013	MarkFekete	610641	7065255	Colluvium	BrownDark	Clay	Flat	B	60	Moist	Good	ForestBlackSpruce
124997	Soil	01/08/2013	DarrellKraemer	611146	7065179	Colluvium	BrownDark	Silt	ModerateS	C	55	Moist	Excellent	ForestMixed
147409	Soil	01/08/2013	MarkFekete	610679	7065289	Colluvium	Red	Sand	ModerateSW	C	40	Dry	Excellent	ForestMixed
124996	Soil	01/08/2013	DarrellKraemer	611177	7065214	Colluvium	BrownDark	Silt	ModerateS	B	30	Moist	Good	ForestMixed
147408	Soil	01/08/2013	MarkFekete	610714	7065323	Colluvium	Tan	Sand	ModerateSW	C	60	Dry	Excellent	ForestAspen
147407	Soil	01/08/2013	MarkFekete	610745	7065364	Colluvium	Tan	Sand	ModerateSW	C	40	Dry	Excellent	ForestBlackSpruce
124995	Soil	01/08/2013	DarrellKraemer	611099	7065293	Colluvium	Brown	Sand	ModerateS	C	40	Dry	Excellent	ForestMixed
147406	Soil	01/08/2013	MarkFekete	610785	7065403	Colluvium	Tan	Sand	ModerateSW	C	60	Dry	Excellent	ForestBlackSpruce
124994	Soil	01/08/2013	DarrellKraemer	611076	7065244	Colluvium	BrownLight	Silt	ModerateS	C	40	Dry	Good	ForestMixed
147405	Soil	01/08/2013	MarkFekete	610823	7065440	Colluvium	Tan	Sand	ModerateSW	C	40	Dry	Excellent	ForestBlackSpruce
147404	Soil	01/08/2013	MarkFekete	610854	7065478	Colluvium	Tan	Sand	ModerateSW	C	60	Dry	Good	ForestBlackSpruce
124993	Soil	01/08/2013	DarrellKraemer	611022	7065206	Colluvium	Brown	Silt	ModerateS	B	20	Dry	Good	ForestMixed
147403	Soil	01/08/2013	MarkFekete	610886	7065512	Colluvium	Tan	Sand	ModerateW	C	60	Dry	Excellent	ForestBlackSpruce
124992	Soil	01/08/2013	DarrellKraemer	611003	7065175	Colluvium	Brown	Silt	ModerateS	B	45	Moist	Good	ForestMixed
147402	Soil	01/08/2013	MarkFekete	610918	7065554	Colluvium	Tan	Sand	ModerateW	C	30	Dry	Excellent	ForestBlackSpruce
124991	Soil	01/08/2013	DarrellKraemer	610969	7065142	Colluvium	BrownLight	Sand	ModerateS	C	25	Dry	Good	ForestMixed
124990	Soil	01/08/2013	DarrellKraemer	610929	7065107	Colluvium	RustyOrange	Sand	ModerateS	C	45	Dry	Excellent	ForestMixed
124989	Soil	01/08/2013	DarrellKraemer	610903	7065067	Colluvium	Brown	Sand	ModerateS	C	40	Dry	Excellent	ForestMixed
124988	Soil	01/08/2013	DarrellKraemer	610871	7065028	Colluvium	RustyOrange	Sand	ModerateS	C	50	Moist	Excellent	ForestMixed
124987	Soil	01/08/2013	DarrellKraemer	610794	7065085	Colluvium	RustyOrange	Sand	ModerateS	C	45	Dry	Excellent	ForestMixed
147401	Soil	01/08/2013	MarkFekete	610605	7065364	Soil	BrownDark	Clay	Flat	B	60	Moist	Good	ForestBlackSpruce
124986	Soil	01/08/2013	DarrellKraemer	610822	7065123	Colluvium	RustyOrange	Sand	ModerateS	C	40	Dry	Excellent	ForestMixed
147400	Soil	01/08/2013	MarkFekete	610644	7065400	Soil	BrownDark	Clay	Flat		60	Wet	Good	ForestBlackSpruce
124985	Soil	01/08/2013	DarrellKraemer	610858	7065167	Colluvium	RustyOrange	Sand	ModerateS	C	40	Dry	Excellent	ForestMixed
147399	Soil	01/08/2013	MarkFekete	610680	7065435	Soil	BrownDark	Clay	ModerateW	B	50	Wet	Good	ForestBlackSpruce
124984	Soil	01/08/2013	DarrellKraemer	610888	7065209	Colluvium	RustyOrange	Silt	ModerateS	C	40	Moist	Excellent	ForestMixed
147398	Soil	01/08/2013	MarkFekete	610709	7065470	Colluvium	BrownLight	Sand	ModerateW	C	60	Moist	Excellent	SubAlpineAlder
124983	Soil	01/08/2013	DarrellKraemer	610936	7065239	Colluvium	Orange	Sand	ModerateS	C	30	Dry	Excellent	ForestMixed
147397	Soil	01/08/2013	MarkFekete	610739	7065511	Colluvium	BrownDark	Clay	ModerateW	C	70	Moist	Good	ForestMixed
124982	Soil	01/08/2013	DarrellKraemer	610964	7065278	Colluvium	Brown	Sand	ModerateS	C	35	Dry	Excellent	ForestMixed
147396	Soil	01/08/2013	MarkFekete	610783	7065544	Colluvium	BrownDark	Clay	ModerateW	C	50	Moist	Good	ForestMixed
124981	Soil	01/08/2013	DarrellKraemer	610988	7065322	Colluvium	BrownLight	Sand	ModerateS	C	30	Dry	Excellent	ForestMixed

Appendix B - Soil Locations and Descriptions

Sample	Type	Date	Sampler	Easting	Northing	SampleType	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
147395	Soil	01/08/2013	MarkFekete	610816	7065583	Colluvium	BrownDark	Sand	ModerateW	B	80	Moist	Excellent	ForestMixed
147394	Soil	01/08/2013	MarkFekete	610848	7065616	Soil	BrownDark	Clay	ModerateNW	B	40	Frozen	Poor	ForestBlackSpruce
147393	Soil	01/08/2013	MarkFekete	610741	7065650	Soil	BrownDark	Clay	Flat	B	50	Moist	Good	ForestBlackSpruce
124980	Soil	01/08/2013	DarrellKraemer	611024	7065373	Colluvium	RustyOrange	Sand	ModerateS	C	40	Dry	Excellent	ForestMixed
147392	Soil	01/08/2013	MarkFekete	610673	7065580	Soil	BrownDark	Clay	Flat	B	50	Moist	Good	ForestBlackSpruce
147391	Soil	01/08/2013	MarkFekete	610630	7065535	Soil	BrownDark	Clay	Flat	B	50	Moist	Poor	ForestBlackSpruce
124979	Soil	01/08/2013	DarrellKraemer	610948	7065421	Colluvium	BrownLight	Gravel	ModerateS	C	20	Dry	Good	ForestMixed
124978	Soil	01/08/2013	DarrellKraemer	610924	7065392	Colluvium	RustyRed	Sand	ModerateS	C	40	Dry	Excellent	ForestMixed
124977	Soil	01/08/2013	DarrellKraemer	610905	7065342	Colluvium	Brown	Silt	ModerateS	C	40	Dry	Excellent	ForestMixed
124976	Soil	01/08/2013	DarrellKraemer	610855	7065314	Colluvium	Brown	Sand	ModerateS	C	20	Dry	Good	ForestMixed
147390	Soil	01/08/2013	MarkFekete	610610	7065514	Colluvium	Brown	Sand	Flat	B	60	Moist	Excellent	ForestMixed
124975	Soil	01/08/2013	DarrellKraemer	610820	7065275	Colluvium	BrownLight	Sand	ModerateS	C	30	Dry	Excellent	ForestMixed
124974	Soil	01/08/2013	DarrellKraemer	610787	7065242	Colluvium	RustyOrange	Sand	ModerateS	C	35	Dry	Excellent	ForestMixed
147389	Soil	01/08/2013	MarkFekete	610570	7065473	Soil	BrownDark	Sand	Flat	B	60	Moist	Excellent	ForestBlackSpruce
147388	Soil	01/08/2013	MarkFekete	610540	7065436	Soil	BrownDark	Gravel	Flat	B	60	Moist	Good	ForestBlackSpruce
124973	Soil	01/08/2013	DarrellKraemer	610752	7065199	Colluvium	RustyOrange	Sand	ModerateS	C	35	Dry	Excellent	ForestMixed
124972	Soil	01/08/2013	DarrellKraemer	610719	7065166	Colluvium	RustyOrange	Sand	ModerateS	C	40	Dry	Excellent	ForestMixed
147387	Soil	01/08/2013	MarkFekete	610496	7065399	Soil	BrownDark	Clay	Flat	B	80	Moist	Good	ForestBlackSpruce
124971	Soil	01/08/2013	DarrellKraemer	610687	7065124	Colluvium	Brown	Sand	ModerateS	C	35	Dry	Excellent	ForestMixed
147386	Soil	01/08/2013	MarkFekete	610477	7065362	Soil	BrownDark	Clay	Flat	B	80	Moist	Poor	ForestBlackSpruce

Appendix B - Rock Sample Locations and Descriptions

Sample	Type	Date	Sampler	Project	Elevation	Easting	Northing	SampleType	Lithology	LithModifier	LithModifier2	Colour
130432	Rock	30/07/2013	MartyHuber	Sulphur	690.3	607682.33	7052365.1	OutcropChip	Schist	Biotitic	QuartzVein	Grey
130431	Rock	27/07/2013	MartyHuber	Sulphur	749.6	604989.92	7069698.5	FloatGrab	VeinQuartz	Massive		White
127780	Rock	27/07/2013	MartyHuber	Sulphur	718.8	605123.62	7069740.86	FloatGrab	VeinQuartz	Massive		White
127779	Rock	27/07/2013	MartyHuber	Sulphur	683.5	611285.92	7065390.34	ProspectPitGrab	Gneiss	Augen	Foliated	Brown
127778	Rock	27/07/2013	MartyHuber	Sulphur	680.3	611309.93	7065418.18	ProspectPitGrab	VeinQuartz			White
127777	Rock	27/07/2013	MartyHuber	Sulphur	682.8	611316.71	7065440.38	ProspectPitGrab	Schist	Chloritic	Foliated	Green
127776	Rock	27/07/2013	MartyHuber	Sulphur	680.5	611310.44	7065461.13	ProspectPitGrab	Gneiss	Foliated	Micaceous	Green
127775	Rock	27/07/2013	MartyHuber	Sulphur	680.8	611306.78	7065493.34	ProspectPitGrab	Gneiss	Foliated	Micaceous	Green

Appendix B - Geoprobe Sample locations and Descriptions

collar_id	from_m	to_m	easting	northing	z	sample_id	depth	rock_textur	rock_colour_1	rock_texture_2	date
SULGP13-01	10	15	604534	7069492.6	773.873	1265751	270	Gneiss	Light Bluish Grey		25/07/2013
SULGP13-01	15	20	604538	7069496	775.915	1265752	270	Gneiss	Light Bluish Grey		25/07/2013
SULGP13-01	20	25	604540	7069499.8	777.939	1265753	200	Gneiss	Bluish Grey		25/07/2013
SULGP13-01	25	30	604543	7069503.8	778.244	1265754	180	Med Gr.	Light Grey	Weathered	25/07/2013
SULGP13-01	30	35	604546	7069508	780.001	1265755	180	Augen	Light Bluish Grey		25/07/2013
SULGP13-01	35	40	604548	7069511.8	781.723	1265756	160	Augen	Light Bluish Grey		25/07/2013
SULGP13-01	40	45	604551	7069516	782.928	1265757	180	Gneiss	Light Bluish Grey		25/07/2013
SULGP13-01	45	50	604554	7069520.5	784.173	1265758	160	Gneiss	Light Bluish Grey		25/07/2013
SULGP13-01	50	55	604557	7069524.7	784.877	1265759	188	Augen	Light Bluish Grey		25/07/2013
SULGP13-01	55	60	604559	7069528.8	785.792	1265760	160	Lineated	Light Bluish Grey	Weathered	25/07/2013
SULGP13-01	60	65	604562	7069532.7	786.618	1265761	180	Augen	Light Bluish Grey	Quartz Vein	25/07/2013
SULGP13-01	65	70	604565	7069536.5	787.738	1265762	190	Augen	Light Bluish Grey		25/07/2013
SULGP13-01	70	75	604568	7069539.9	789.191	1265763	200	Gneiss	Light Bluish Grey		25/07/2013
SULGP13-01	75	80	604570	7069544.5	789.669	1265764	210	Gneiss	Light Bluish Grey	Weathered	26/07/2013
SULGP13-01	80	85	604573	7069548	790.614	1265765	200	Gneiss	Light Bluish Grey	Weathered	26/07/2013
SULGP13-01	85	90	604576	7069552.1	790.801	1265766	170	Gneiss	Light Bluish Grey	Weathered	26/07/2013
SULGP13-01	90	95	604579	7069556.1	791.944	1265767	170	Lineated	Light Bluish Grey	Weathered	26/07/2013
SULGP13-01	95	100	604582	7069559.6	793.534	1265768	200	Lineated	Light Bluish Grey	Weathered	26/07/2013
SULGP13-01	100	105	604585	7069563.4	793.181	1265769	210	Weathered	Reddish Brown	Lineated	26/07/2013
SULGP13-01	105	110	604587	7069567.7	794.041	1265770	180	Gneiss	Light Bluish Grey	Weathered	26/07/2013
SULGP13-01	110	115	604590	7069571.6	795.104	1265771	165	Gneiss	Light Bluish Grey		26/07/2013
SULGP13-01	115	120	604593	7069575.8	794.524	1265772	170	Gneiss	Light Bluish Grey	Weathered	26/07/2013
SULGP13-01	120	125	604596	7069579.8	795.77	1265773	230	Weathered	Light Bluish Grey		26/07/2013
SULGP13-01	125	130	604599	7069584	796.165	1265774	215	Gneiss	Light Bluish Grey	Quartz Vein	26/07/2013
SULGP13-01	130	135	604602	7069587.6	796.209	1265775	200	Augen	Light Bluish Grey	Weathered	26/07/2013
SULGP13-01	135	140	604605	7069592	795.941	1265776	160	Augen	Light Bluish Grey		26/07/2013
SULGP13-01	140	145	604608	7069596.4	796.279	1265777	180	Weathered	Reddish Brown	Augen	26/07/2013
SULGP13-01	145	150	604610	7069600.7	796.597	1265778	145	Gneiss	Light Bluish Grey	Weathered	26/07/2013
SULGP13-01	150	155	604614	7069604.2	796.406	1265779	130	Med Gr.	Grey	Augen	26/07/2013
SULGP13-01	155	160	604616	7069608.3	795.737	1265780	150	Gneiss	Light Bluish Grey	Weathered	26/07/2013
SULGP13-01	160	165	604619	7069612.2	795.48	1265781	180	Gneiss	Light Bluish Grey	Weathered	26/07/2013
SULGP13-01	165	170	604622	7069616.3	795.3	1265782	180	Weathered	Light Bluish Grey	Augen	26/07/2013
SULGP13-01	170	175	604625	7069620.5	795.044	1265783	210	Weathered	Reddish Yellow	Veinlets	26/07/2013
SULGP13-01	175	180	604628	7069624.2	794.766	1265784	180	Augen	Reddish Brown		26/07/2013

Appendix B - Geoprobe Sample locations and Descriptions

collar_id	from_m	to_m	easting	northing	z	sample_id	depth	rock_textur	rock_colour_1	rock_texture_2	date
SULGP13-01	180	185	604631	7069628.5	794.138	1265785	180	Augen	Light Bluish Grey	Weathered	26/07/2013
SULGP13-01	185	190	604633	7069632.3	794.101	1265786	245	Fine Gr.	Light Grey	Weathered	26/07/2013
SULGP13-01	190	195	604637	7069636.5	794.19	1265787	180	Med Gr.	Bluish Grey		26/07/2013
SULGP13-01	195	200	604639	7069640.3	793.487	1265788	180	Gneiss	Dark Brown		26/07/2013
SULGP13-01	200	205	604643	7069644.1	792.423	1265789	180	Gneiss	Chocolate Brown		26/07/2013
SULGP13-02	0	5	604410	7069575.2	780.904	1265792	235	Weathered	Light Grey		27/07/2013
SULGP13-02	5	10	604414	7069580.3	782.878	1265793	210	Weathered	Reddish Brown		27/07/2013
SULGP13-02	10	15	604416	7069584.5	781.873	1265794	250	Lineated	Light Bluish Grey	Quartz Vein	27/07/2013
SULGP13-02	15	20	604418	7069587.3	781.928	1265795	230	Weathered	Dark Brown		27/07/2013
SULGP13-02	20	25	604421	7069592.5	782.065	1265796	230	Weathered	Reddish Brown		27/07/2013
SULGP13-02	25	30	604423	7069596.3	781.757	1265797	200	Weathered	Reddish Brown		27/07/2013
SULGP13-02	30	35	604426	7069600.4	782.503	1265798	200	Augen	Light Bluish Grey	Weathered	27/07/2013
SULGP13-02	35	40	604429	7069605	783.313	1265799	190	Weathered	Reddish Brown		27/07/2013
SULGP13-02	40	45	604432	7069609.1	783.561	1265800	180	Gneiss	Light Bluish Grey	Weathered	27/07/2013
SULGP13-02	45	50	604435	7069613.3	784.442	1265801	200	Stockwork	Reddish Yellow		27/07/2013
SULGP13-02	50	55	604438	7069616.9	784.04	1265802	190	Gneiss	Light Bluish Grey	Veinlets	27/07/2013
SULGP13-02	55	60	604441	7069620.4	783.738	1265803	200	Gneiss	Light Bluish Grey	Quartz Vein	27/07/2013
SULGP13-02	60	65	604443	7069624.8	783.179	1265804	220	Weathered	Light Bluish Grey		27/07/2013
SULGP13-02	65	70	604446	7069628.8	783.066	1265805	220	Weathered	Light Bluish Grey	Quartz Vein	27/07/2013
SULGP13-02	70	75	604449	7069633	783.613	1265806	180	Gneiss	Bluish Grey		27/07/2013
SULGP13-02	75	80	604452	7069637.4	783.393	1265807	170	Gneiss	Light Bluish Grey	Weathered	27/07/2013
SULGP13-02	80	95	604454	7069641.2	783.052	1265808	0	Weathered	Grey		27/07/2013
SULGP13-02	95	100	604462	7069654.4	782.049	1265811	120	Massive	Bluish Grey		27/07/2013
SULGP13-02	100	105	604465	7069658.2	782.135	1265812	180				27/07/2013
SULGP13-03	0	5	604633	7069290.9	761.722	1265815	130	Lineated	Dark Grey Black		28/07/2013
SULGP13-03	5	10	604637	7069293	762.065	1265816	130	Lineated	Grey		28/07/2013
SULGP13-03	10	15	604639	7069297.1	763.926	1265817	100	Med Gr.	Reddish Brown	Lineated	28/07/2013
SULGP13-03	15	20	604641	7069302.2	764.081	1265818	100	Massive	Grey		28/07/2013
SULGP13-03	20	25	604644	7069307.3	764.824	1265819	140	Gneiss	Bluish Grey	Weathered	28/07/2013
SULGP13-03	25	30	604646	7069311.4	767.113	1265820	105	Lineated	Light Bluish Grey		28/07/2013
SULGP13-03	30	35	604649	7069316.1	768.081	1265821	130	Weathered	Light Bluish Grey	Quartz Vein	28/07/2013
SULGP13-03	35	40	604651	7069320.3	772.077	1265822	160	Quartz Vein	Light Grey	Med Gr.	28/07/2013
SULGP13-03	40	45	604655	7069323.9	772.804	1265823	21	Gneiss	Light Bluish Grey	Quartz Vein	28/07/2013

Appendix B - Geoprobe Sample locations and Descriptions

collar_id	from_m	to_m	easting	northing	z	sample_id	depth	rock_textur	rock_colour_1	rock_texture_2	date
SULGP13-03	45	50	604657	7069327.3	772.67	1265824	270	Weathered	Light Bluish Grey		28/07/2013
SULGP13-03	50	55	604660	7069331.5	773.393	1265825	270	Weathered	Light Bluish Grey	Quartz Vein	28/07/2013
SULGP13-03	55	60	604663	7069335.3	774.882	1265826	270	Gneiss	Light Bluish Grey	Quartz Vein	28/07/2013
SULGP13-03	60	65	604665	7069339.5	776.149	1265827	270	Gneiss	Light Bluish Grey	Veinlets	28/07/2013
SULGP13-03	65	70	604668	7069343.3	777.438	1265828	150	Lineated	Bluish Grey		28/07/2013
SULGP13-03	70	75	604669	7069346.2	779.131	1265829	210	Lineated	Dark Brown		28/07/2013
SULGP13-03	75	80	604673	7069349.6	782.326	1265830	235	Weathered	Light Bluish Grey	Weathered	28/07/2013
SULGP13-03	80	85	604676	7069354.7	779.003	1265831	245	Fine Gr.	Light Bluish Grey		28/07/2013
SULGP13-03	85	90	604679	7069360	780.908	1265832	220	Weathered	Light Bluish Grey		28/07/2013
SULGP13-03	90	95	604682	7069363.4	781.593	1265833	215	Med Gr.	Greyish Green	Weathered	28/07/2013
SULGP13-03	95	100	604685	7069367.2	782.896	1265834	240	Augen	Light Bluish Grey		28/07/2013
SULGP13-03	100	105	604688	7069371	784.552	1265835	200	Med Gr.	Light Bluish Grey		28/07/2013
SULGP13-03	105	110	604691	7069375.4	786.901	1265836	210	Augen	Light Bluish Grey		29/07/2013
SULGP13-03	110	115	604693	7069378.5	788.099	1265837	220	Augen	Light Bluish Grey		29/07/2013
SULGP13-03	115	120	604696	7069384.3	789.014	1265838	200	Fine Gr.	Light Bluish Grey		29/07/2013
SULGP13-03	120	125	604699	7069388.6	788.428	1265839	200	Augen	Light Bluish Grey	Lineated	29/07/2013
SULGP13-03	125	130	604702	7069393.2	791.078	1265840	190	Gneiss	Light Bluish Grey	Weathered	29/07/2013
SULGP13-03	130	135	604705	7069395.7	796.433	1265841	180	Gneiss	Light Bluish Grey	Lineated	29/07/2013
SULGP13-03	135	140	604708	7069399.7	791.196	1265842	180	Massive	Light Bluish Grey		29/07/2013
SULGP13-03	140	145	604710	7069402	791.568	1265843	180	Med Gr.	Light Bluish Grey		29/07/2013
SULGP13-03	145	150	604713	7069406.1	792.479	1265844	160	Weathered	Light Bluish Grey		29/07/2013
SULGP13-03	150	155	604716	7069411.4	794.028	1265845	180	Augen	Light Bluish Grey		29/07/2013
SULGP13-03	155	160	604719	7069415.1	794.702	1265846	180	Lineated	Light Bluish Grey		29/07/2013
SULGP13-03	160	165	604722	7069419.7	796.045	1265847	170	Med Gr.	Bluish Grey		29/07/2013
SULGP13-03	165	170	604725	7069422.8	797.059	1265848	145	Med Gr.	Light Bluish Grey		29/07/2013
SULGP13-03	170	175	604727	7069427.8	798.981	1265849	190	Weathered	Light Bluish Grey	Weathered	29/07/2013
SULGP13-03	175	180	604730	7069431.7	799.968	1265850	130	Gneiss	Light Bluish Grey	Weathered	29/07/2013
SULGP13-03	180	185	604733	7069435.3	799.544	1265851	180	Lineated	Light Bluish Grey		29/07/2013
SULGP13-03	185	190	604736	7069440.3	802.582	1265852	180	Lineated	Bluish Grey		29/07/2013
SULGP13-03	190	195	604738	7069444.4	803.36	1265853	160	Weathered	Reddish Yellow		29/07/2013
SULGP13-03	195	200	604741	7069447.6	803.471	1265854	210	Lineated	Light Bluish Grey		29/07/2013
SULGP13-03	200	205	604744	7069451.9	803.909	1265855	270	Weathered	Light Bluish Grey	Weathered	29/07/2013
SULGP13-01	0	5	604529	7069485.2	771.477	1291724	270	Gneiss	Light Bluish Grey		25/07/2013

Appendix B - Geoprobe Sample locations and Descriptions

collar_id	from_m	to_m	easting	northing	z	sample_id	depth	rock_textur	rock_colour_1	rock_texture_2	date
SULGP13-01	5	10	604532	7069488.6	772.77	1291725	270	Lineated	Light Grey		25/07/2013

Appendix C - Assay Certificates



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Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5 CANADA

Submitted By: Mark Fekete
Receiving Lab: Canada-Whitehorse
Received: August 12, 2013
Report Date: August 21, 2013
Page: 1 of 5

CERTIFICATE OF ANALYSIS

WHI13000260.1

CLIENT JOB INFORMATION

Project: SULPHUR
Shipment ID: 20130804095509
P.O. Number
Number of Samples: 93

SAMPLE DISPOSAL

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

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: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5
CANADA

CC: Marty Huber
Zachery Dingsdale

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	93	Dry at 60C			WHI
SS80	93	Dry at 60C sieve 100g to -80 mesh			WHI
1DX2	93	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



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.

CERTIFICATE OF ANALYSIS

WHI13000260.1

	Method	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	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
124971	Soil	0.9	39.7	10.0	109	<0.1	23.5	5.8	253	2.41	7.8	2.6	4.5	16	0.1	0.5	0.2	29	0.19	0.018
124972	Soil	1.2	37.0	13.2	71	0.1	30.1	8.8	403	2.79	39.7	5.3	7.2	21	0.1	1.0	0.1	39	0.27	0.043
124973	Soil	1.0	38.8	14.4	78	<0.1	30.0	12.2	572	3.07	34.2	8.3	7.3	16	0.1	0.6	0.2	37	0.21	0.038
124974	Soil	1.0	40.5	46.7	146	<0.1	30.4	8.1	401	2.95	47.8	10.3	6.7	16	0.2	0.8	0.3	38	0.20	0.028
124975	Soil	1.0	30.3	24.6	113	0.2	32.2	10.7	429	3.37	14.4	1.5	6.2	16	0.2	0.4	0.2	42	0.18	0.033
124976	Soil	0.9	47.4	23.2	515	0.1	28.8	12.0	463	3.32	23.9	0.7	3.5	18	0.9	0.4	0.3	41	0.25	0.065
124977	Soil	1.0	57.1	19.1	206	0.3	30.0	8.3	367	2.72	19.8	2.3	7.7	15	0.8	0.7	0.3	36	0.18	0.024
124978	Soil	0.8	222.5	13.2	330	0.3	26.5	10.3	661	3.79	19.1	2.0	8.7	12	1.2	0.6	0.6	48	0.18	0.047
124979	Soil	1.3	31.6	15.6	138	0.2	34.8	12.1	580	3.60	9.8	2.5	7.4	23	1.0	0.2	0.2	48	0.33	0.080
124980	Soil	0.9	49.3	16.7	89	0.3	13.1	4.2	194	1.75	109.6	2.1	6.9	11	0.5	1.0	0.2	21	0.12	0.016
124981	Soil	1.1	73.3	24.3	301	0.5	30.4	10.1	514	3.27	85.8	<0.5	5.1	16	0.8	0.8	0.3	39	0.26	0.047
124982	Soil	1.2	40.4	17.8	98	0.3	30.5	9.8	326	3.01	44.9	1.1	5.4	18	0.2	0.8	0.2	45	0.23	0.037
124983	Soil	1.3	37.9	16.2	84	0.2	30.9	9.0	317	3.35	19.4	3.5	7.0	12	0.1	0.6	0.1	37	0.20	0.036
124984	Soil	1.0	40.0	16.8	81	<0.1	30.0	8.8	294	2.71	21.7	5.1	5.6	16	0.1	0.5	0.1	33	0.21	0.015
124985	Soil	0.7	43.9	34.7	81	<0.1	32.8	9.2	424	3.08	22.2	1.8	8.2	17	0.1	0.6	0.5	38	0.25	0.033
124986	Soil	0.8	34.7	11.8	71	<0.1	28.0	8.4	373	2.86	33.4	3.1	6.6	16	<0.1	0.6	<0.1	34	0.21	0.034
124987	Soil	0.6	36.8	20.7	66	<0.1	14.9	4.2	136	2.06	74.1	12.5	12.7	14	<0.1	1.0	0.2	16	0.16	0.018
124988	Soil	0.7	24.9	13.3	59	<0.1	18.4	6.3	292	2.09	25.7	1.9	7.0	21	<0.1	0.6	0.2	27	0.23	0.026
124989	Soil	0.7	37.0	14.8	86	<0.1	29.4	9.3	368	2.86	18.8	4.7	7.0	25	<0.1	0.6	0.2	36	0.25	0.022
124990	Soil	1.2	34.5	13.0	65	<0.1	26.4	7.7	286	2.67	43.9	5.0	8.9	14	<0.1	0.9	0.1	29	0.19	0.021
124991	Soil	1.0	25.6	35.9	84	0.1	26.1	8.8	323	2.72	23.4	<0.5	5.2	16	0.1	0.4	0.1	34	0.24	0.035
124992	Soil	0.8	32.2	9.7	53	<0.1	24.2	7.7	269	2.36	18.5	3.9	4.8	18	<0.1	0.7	0.1	36	0.28	0.041
124993	Soil	1.1	13.9	12.5	110	0.3	18.0	9.8	498	2.70	24.7	1.6	3.2	19	0.5	0.4	0.1	44	0.34	0.051
124994	Soil	0.7	48.1	15.9	111	0.3	26.8	9.3	334	2.67	32.8	11.1	6.1	17	0.3	1.0	0.3	41	0.29	0.014
124995	Soil	1.2	40.6	49.1	274	0.6	20.8	9.3	389	2.84	12.2	0.5	4.3	17	0.6	0.5	0.7	42	0.35	0.030
124996	Soil	1.2	17.8	13.2	53	0.3	20.6	9.1	413	2.54	18.0	1.2	4.2	18	0.1	0.5	0.3	40	0.31	0.032
124997	Soil	1.1	30.1	44.3	118	0.5	29.2	14.0	600	2.93	43.8	7.0	5.8	33	0.5	0.7	0.1	47	1.60	0.082
124998	Soil	1.3	47.7	24.9	112	0.4	36.7	13.1	866	2.91	19.1	6.3	5.9	21	0.3	0.9	0.2	50	0.36	0.026
124999	Soil	1.5	11.9	10.7	54	0.2	17.7	8.6	342	2.71	14.9	2.4	3.6	14	<0.1	0.6	0.2	48	0.21	0.025
127781	Soil	1.3	46.5	14.4	74	0.1	31.6	9.5	477	3.13	29.1	8.9	9.2	18	0.1	0.9	0.1	38	0.29	0.044

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Project: SULPHUR
Report Date: August 21, 2013

Page: 2 of 5

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI13000260.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
124971	Soil	29	0.63	184	0.044	1	1.19	0.006	0.06	0.2	0.02	4.8	<0.1	0.06	4	<0.5	<0.2
124972	Soil	32	0.65	353	0.038	2	1.41	0.010	0.14	0.1	0.03	5.6	0.2	<0.05	5	<0.5	<0.2
124973	Soil	37	0.78	279	0.057	1	1.58	0.005	0.32	<0.1	0.02	5.5	0.2	<0.05	6	<0.5	<0.2
124974	Soil	35	0.90	318	0.049	1	1.55	0.006	0.13	0.1	0.02	5.5	0.2	<0.05	5	<0.5	<0.2
124975	Soil	41	1.00	290	0.075	2	1.97	0.005	0.29	0.1	0.02	4.6	0.3	<0.05	6	<0.5	<0.2
124976	Soil	46	1.03	312	0.065	1	1.85	0.003	0.43	<0.1	<0.01	3.6	0.3	<0.05	6	0.6	<0.2
124977	Soil	32	0.65	333	0.069	1	1.69	0.005	0.25	0.2	0.04	5.9	0.2	<0.05	5	<0.5	<0.2
124978	Soil	79	1.11	286	0.053	1	2.04	0.004	0.36	<0.1	0.02	8.3	0.3	0.05	8	0.6	<0.2
124979	Soil	49	1.24	352	0.099	1	2.17	0.004	0.61	0.1	0.02	5.0	0.5	<0.05	8	<0.5	<0.2
124980	Soil	17	0.28	257	0.030	1	0.97	0.005	0.14	0.1	0.01	2.9	0.1	0.05	3	<0.5	<0.2
124981	Soil	46	0.87	409	0.041	<1	1.71	0.004	0.36	<0.1	0.01	5.1	0.2	<0.05	6	<0.5	<0.2
124982	Soil	41	0.77	316	0.054	1	1.89	0.006	0.19	0.2	<0.01	4.4	0.2	<0.05	6	<0.5	<0.2
124983	Soil	38	0.74	301	0.031	<1	1.73	0.004	0.22	<0.1	<0.01	7.0	0.2	<0.05	6	<0.5	<0.2
124984	Soil	35	0.73	295	0.055	<1	1.50	0.005	0.10	0.1	0.06	5.3	0.1	<0.05	5	<0.5	<0.2
124985	Soil	41	1.06	312	0.057	<1	1.75	0.004	0.20	<0.1	0.01	7.2	0.2	<0.05	6	<0.5	<0.2
124986	Soil	35	0.82	250	0.042	<1	1.60	0.004	0.14	<0.1	0.01	6.1	0.1	<0.05	5	<0.5	<0.2
124987	Soil	18	0.36	272	0.016	1	1.06	0.005	0.09	<0.1	0.02	4.7	0.1	<0.05	3	<0.5	<0.2
124988	Soil	27	0.48	299	0.032	1	1.19	0.009	0.07	0.1	0.01	4.1	<0.1	<0.05	4	<0.5	<0.2
124989	Soil	39	0.81	344	0.048	<1	1.64	0.007	0.15	0.1	0.02	6.6	0.1	<0.05	6	<0.5	<0.2
124990	Soil	30	0.58	320	0.032	<1	1.33	0.006	0.10	0.1	0.03	6.2	<0.1	<0.05	5	<0.5	<0.2
124991	Soil	33	0.92	322	0.057	1	1.55	0.005	0.18	0.1	0.01	4.3	0.2	<0.05	5	<0.5	<0.2
124992	Soil	28	0.49	264	0.046	1	1.09	0.013	0.06	0.2	0.03	4.5	<0.1	<0.05	3	<0.5	<0.2
124993	Soil	33	0.55	557	0.025	1	1.69	0.005	0.12	0.2	<0.01	3.9	0.1	0.06	5	<0.5	<0.2
124994	Soil	37	0.52	348	0.056	<1	1.34	0.008	0.08	0.2	0.06	5.9	<0.1	0.07	4	<0.5	<0.2
124995	Soil	33	0.74	384	0.058	<1	1.62	0.006	0.13	0.2	0.03	3.6	0.1	0.07	5	0.7	<0.2
124996	Soil	32	0.49	419	0.031	1	1.48	0.007	0.11	0.2	<0.01	4.5	0.1	0.08	5	<0.5	<0.2
124997	Soil	60	0.96	296	0.012	1	1.54	0.007	0.10	0.1	0.03	8.5	0.2	0.06	5	<0.5	<0.2
124998	Soil	35	0.68	386	0.042	2	1.57	0.013	0.07	0.2	0.07	5.6	<0.1	<0.05	5	<0.5	<0.2
124999	Soil	32	0.45	352	0.043	<1	1.57	0.007	0.11	0.3	0.02	3.4	<0.1	0.07	5	<0.5	<0.2
127781	Soil	39	0.79	308	0.030	<1	1.72	0.006	0.13	0.1	0.05	7.7	0.1	0.06	6	<0.5	<0.2

CERTIFICATE OF ANALYSIS

WHI13000260.1

	Method	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	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
127782	Soil	0.6	14.6	9.6	88	<0.1	32.2	10.2	423	4.01	12.9	1.9	9.1	22	0.1	0.4	0.2	42	0.28	0.056
130478	Soil	0.6	42.1	14.5	90	0.2	30.6	9.9	374	2.55	17.5	4.6	7.3	12	0.3	0.2	0.4	20	0.25	0.071
130479	Soil	0.7	30.0	10.4	62	<0.1	24.3	9.0	219	2.37	12.3	<0.5	4.6	14	<0.1	0.2	<0.1	23	0.24	0.062
130480	Soil	0.5	30.5	9.9	59	<0.1	23.6	8.8	214	2.23	11.5	0.5	4.9	15	<0.1	0.2	<0.1	21	0.25	0.063
130481	Soil	0.9	40.0	11.2	60	<0.1	29.9	7.9	268	2.63	39.8	8.1	6.0	21	<0.1	0.6	0.1	27	0.26	0.031
130482	Soil	0.7	29.2	12.8	62	<0.1	36.9	11.3	371	2.94	24.3	24.6	7.4	25	<0.1	0.5	<0.1	34	0.34	0.032
130483	Soil	1.1	33.2	14.1	56	0.4	28.9	10.0	383	2.54	30.2	19.8	5.6	46	0.3	0.8	0.5	26	1.30	0.077
130484	Soil	1.2	33.3	10.8	91	0.3	32.3	11.6	508	3.21	8.8	4.2	7.8	33	0.3	0.2	<0.1	29	0.52	0.109
130485	Soil	1.3	59.5	31.2	344	<0.1	31.2	10.8	543	3.39	14.2	3.6	8.7	14	0.9	0.3	0.5	38	0.28	0.048
130486	Soil	1.4	41.4	21.6	84	<0.1	34.6	11.5	592	3.04	17.8	2.8	12.4	18	0.2	0.4	0.2	37	0.35	0.070
130487	Soil	1.1	40.5	15.2	98	0.1	43.4	12.1	524	3.57	29.4	8.6	7.5	26	<0.1	0.5	0.3	50	0.45	0.050
130488	Soil	2.0	45.8	15.6	58	<0.1	32.4	10.1	369	2.90	253.6	40.0	10.7	12	0.1	0.9	0.1	27	0.22	0.053
130489	Soil	1.1	43.3	9.6	78	0.2	33.4	14.7	425	2.54	25.5	3.6	5.9	19	0.2	0.2	1.0	24	0.39	0.108
130490	Soil	1.0	16.4	21.3	59	0.1	15.3	6.6	323	2.12	21.7	5.0	7.2	14	0.2	0.6	0.2	33	0.17	0.021
130491	Soil	1.3	34.0	31.1	110	0.5	30.7	13.6	805	3.80	46.7	5.4	8.0	21	0.3	1.1	0.2	47	0.40	0.082
130492	Soil	1.4	44.0	32.7	205	0.2	32.6	11.8	501	3.54	20.1	3.7	6.7	17	1.3	0.8	0.3	41	0.26	0.049
130493	Soil	1.3	35.0	18.3	76	<0.1	31.3	13.3	605	2.80	34.5	10.0	10.2	14	0.2	0.6	0.1	26	0.32	0.077
130494	Soil	3.0	31.3	17.3	80	0.1	34.4	8.0	735	3.72	63.0	14.4	16.3	7	<0.1	1.1	<0.1	16	0.14	0.018
130495	Soil	1.3	38.7	13.5	103	0.2	39.4	13.9	640	3.69	8.5	4.9	11.1	15	0.1	0.5	0.3	40	0.39	0.062
130496	Soil	1.0	38.0	15.2	56	0.2	41.6	12.6	305	2.41	40.9	13.4	8.2	12	<0.1	0.6	0.3	29	0.32	0.043
130497	Soil	0.7	24.8	8.8	50	0.1	23.0	8.1	337	2.19	16.7	21.5	5.7	25	0.1	0.7	0.1	37	0.38	0.075
130498	Soil	0.8	31.2	11.4	56	0.2	26.7	9.8	413	2.62	27.2	5.9	4.5	44	<0.1	0.7	0.1	40	0.65	0.081
130499	Soil	1.0	28.2	17.9	99	0.2	23.5	9.7	584	2.49	14.4	3.3	4.4	36	0.7	0.5	0.2	40	0.53	0.081
130500	Soil	0.8	40.0	73.6	133	0.1	26.7	12.4	469	2.86	11.7	2.3	6.2	32	0.8	0.3	0.1	26	0.47	0.097
130501	Soil	1.1	32.1	17.8	96	<0.1	21.5	10.5	662	3.14	35.4	1.8	10.6	14	0.2	0.4	0.1	29	0.23	0.035
130502	Soil	1.3	27.7	91.6	76	<0.1	9.1	3.0	242	1.69	11.5	<0.5	17.1	7	0.1	0.4	1.7	11	0.11	0.018
130503	Soil	5.4	46.1	32.0	106	0.6	36.7	16.2	688	3.96	303.1	5.4	12.5	10	0.4	1.0	<0.1	21	0.39	0.075
130504	Soil	1.2	84.8	241.0	437	0.2	31.9	9.0	693	2.76	4.3	0.9	10.9	12	1.4	0.4	0.7	24	0.32	0.078
130505	Soil	7.3	48.1	30.1	139	0.1	39.3	12.8	577	3.44	20.4	1.9	10.8	10	0.3	0.7	0.2	29	0.24	0.035
130506	Soil	1.5	31.0	18.0	85	<0.1	41.6	13.7	601	3.43	15.9	1.3	11.0	11	0.2	0.6	0.1	33	0.31	0.078

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Page: 3 of 5

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI13000260.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	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
127782	Soil	52	0.98	383	0.017	<1	2.08	0.006	0.11	<0.1	0.01	7.9	0.2	0.06	7	<0.5	<0.2
130478	Soil	25	0.60	182	0.030	<1	1.06	0.003	0.14	<0.1	0.06	4.9	0.2	<0.05	4	0.7	<0.2
130479	Soil	24	0.56	191	0.051	<1	1.13	0.003	0.32	<0.1	<0.01	4.7	0.3	<0.05	4	<0.5	<0.2
130480	Soil	24	0.52	172	0.051	<1	1.04	0.004	0.30	<0.1	<0.01	4.6	0.3	0.05	3	<0.5	<0.2
130481	Soil	28	0.57	294	0.050	<1	1.27	0.006	0.13	0.1	0.03	5.2	0.2	<0.05	4	<0.5	<0.2
130482	Soil	41	0.73	306	0.068	<1	1.49	0.005	0.13	0.2	<0.01	6.8	0.2	<0.05	5	<0.5	<0.2
130483	Soil	27	0.43	414	0.023	3	1.15	0.012	0.09	0.2	0.08	6.5	0.2	0.13	4	1.3	<0.2
130484	Soil	37	1.06	246	0.058	1	1.75	0.005	0.43	<0.1	0.04	7.9	0.3	0.06	6	<0.5	<0.2
130485	Soil	40	1.06	283	0.049	1	1.96	0.005	0.31	<0.1	0.02	6.8	0.3	<0.05	7	0.5	<0.2
130486	Soil	38	0.80	297	0.034	1	1.67	0.005	0.21	<0.1	0.02	9.5	0.2	<0.05	7	0.6	<0.2
130487	Soil	69	1.17	344	0.079	<1	1.96	0.008	0.21	0.1	0.05	9.7	0.3	<0.05	7	<0.5	<0.2
130488	Soil	24	0.55	283	0.023	2	1.29	0.004	0.18	<0.1	0.03	9.1	0.2	<0.05	5	0.7	<0.2
130489	Soil	24	0.80	188	0.051	1	1.14	0.004	0.32	<0.1	0.02	5.2	0.3	<0.05	4	0.9	<0.2
130490	Soil	28	0.34	318	0.031	1	1.17	0.007	0.12	0.2	0.02	4.6	<0.1	<0.05	4	<0.5	<0.2
130491	Soil	57	0.55	382	0.017	1	1.49	0.009	0.10	0.2	0.07	13.7	0.1	<0.05	5	<0.5	<0.2
130492	Soil	51	0.56	360	0.040	2	1.59	0.009	0.12	0.2	0.05	10.1	0.2	<0.05	6	<0.5	<0.2
130493	Soil	28	0.60	309	0.046	1	1.41	0.005	0.35	0.1	0.04	7.2	0.4	<0.05	5	<0.5	<0.2
130494	Soil	19	0.24	429	0.006	<1	0.93	0.003	0.08	<0.1	0.10	9.8	0.2	<0.05	3	0.6	<0.2
130495	Soil	53	1.27	275	0.037	1	1.82	0.006	0.14	<0.1	0.05	10.5	0.2	<0.05	7	<0.5	<0.2
130496	Soil	31	0.35	273	0.018	<1	1.03	0.006	0.07	0.1	0.03	9.0	<0.1	<0.05	3	<0.5	<0.2
130497	Soil	24	0.46	252	0.046	1	0.95	0.015	0.08	0.7	0.03	4.0	<0.1	<0.05	3	<0.5	<0.2
130498	Soil	28	0.48	432	0.033	2	1.28	0.016	0.07	0.3	0.04	5.7	<0.1	0.05	4	<0.5	<0.2
130499	Soil	30	0.50	330	0.039	1	1.07	0.016	0.08	0.3	0.05	5.1	<0.1	0.07	3	<0.5	<0.2
130500	Soil	25	0.59	200	0.051	<1	1.09	0.004	0.25	<0.1	0.02	5.2	0.2	0.06	4	<0.5	<0.2
130501	Soil	34	1.10	305	0.078	<1	1.91	0.007	0.43	<0.1	<0.01	7.2	0.5	<0.05	7	<0.5	<0.2
130502	Soil	11	0.42	217	0.026	<1	1.02	0.003	0.10	<0.1	0.01	2.9	0.2	<0.05	3	<0.5	<0.2
130503	Soil	26	0.78	201	0.008	<1	1.16	0.003	0.08	<0.1	0.04	9.0	0.2	<0.05	4	1.2	<0.2
130504	Soil	27	0.78	208	0.028	<1	1.27	0.003	0.18	<0.1	0.04	7.6	0.2	0.05	4	1.2	<0.2
130505	Soil	30	0.31	383	0.011	<1	1.10	0.004	0.09	0.1	0.02	8.4	0.1	<0.05	4	0.7	<0.2
130506	Soil	52	0.94	317	0.033	<1	1.85	0.003	0.24	<0.1	<0.01	11.4	0.2	<0.05	7	<0.5	<0.2

CERTIFICATE OF ANALYSIS

WHI13000260.1

	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	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
130507	Soil	2.5	31.5	19.8	94	0.4	29.8	10.6	710	3.04	83.0	7.5	15.4	11	0.4	1.5	1.0	17	0.29	0.076	47
130508	Soil	1.1	38.7	17.4	117	<0.1	38.1	15.1	753	4.05	52.5	3.8	8.3	15	0.3	0.5	0.1	50	0.32	0.077	37
130509	Soil	1.1	32.3	15.6	69	0.2	29.5	11.0	463	2.75	7.9	2.6	8.4	15	0.2	0.2	0.8	24	0.25	0.075	26
130510	Soil	1.0	35.7	35.1	105	0.3	29.4	10.2	456	2.64	40.9	7.1	4.0	29	0.3	0.7	0.3	43	0.82	0.052	22
130511	Soil	0.8	47.1	13.0	162	0.3	24.8	9.5	400	2.39	18.5	12.1	5.7	25	0.4	0.7	0.3	41	0.38	0.063	22
130512	Soil	1.2	32.2	15.3	86	0.1	30.1	10.9	696	3.33	10.7	0.6	8.4	11	0.2	0.4	0.2	37	0.18	0.060	28
130513	Soil	0.4	35.5	32.4	106	<0.1	31.4	10.2	347	3.19	8.2	1.9	9.2	11	0.2	0.5	0.4	36	0.17	0.031	32
130514	Soil	0.8	61.2	17.2	114	<0.1	35.5	13.0	634	3.43	17.5	4.6	7.4	20	0.4	0.5	0.2	37	0.37	0.069	27
147386	Soil	0.9	29.8	9.0	62	0.2	24.7	8.2	698	2.18	8.2	2.6	3.0	46	0.3	0.9	0.2	40	1.00	0.075	13
147387	Soil	0.9	37.8	10.5	65	0.2	31.1	10.2	389	2.27	9.4	3.5	3.1	43	0.2	1.0	0.2	43	0.84	0.067	15
147388	Soil	0.8	20.5	8.8	62	0.1	20.2	7.9	314	1.96	8.0	2.1	3.2	37	0.1	0.6	0.2	39	0.73	0.074	13
147389	Soil	0.9	24.1	9.2	60	0.1	24.0	8.6	373	2.00	9.5	2.9	3.7	42	0.2	0.7	0.1	33	1.39	0.068	13
147390	Soil	1.0	29.7	9.5	67	0.2	23.0	8.8	332	2.42	12.2	4.3	3.3	29	0.1	0.8	0.2	39	0.54	0.077	15
147391	Soil	1.2	38.5	11.8	85	0.2	29.4	11.1	419	2.99	14.1	3.6	3.4	38	0.3	0.9	0.2	43	0.68	0.067	15
147392	Soil	1.4	38.3	12.0	91	0.1	30.1	11.6	496	3.16	15.0	3.2	3.5	48	0.4	1.0	0.2	48	1.05	0.080	16
147393	Soil	0.6	22.7	10.1	57	0.2	19.7	8.1	407	2.15	13.5	4.6	3.0	34	0.1	0.6	0.2	38	0.65	0.076	14
147394	Soil	1.0	25.6	10.1	66	0.1	22.3	8.3	280	2.70	13.8	4.6	3.4	29	0.2	0.8	0.2	40	0.53	0.069	14
147395	Soil	0.9	32.1	11.2	65	0.2	27.1	10.2	426	2.88	14.5	16.1	3.4	40	0.2	0.9	0.2	41	0.80	0.068	14
147396	Soil	1.0	34.4	11.4	74	0.2	27.3	9.6	373	2.79	14.3	6.3	3.7	44	0.2	0.8	0.2	43	1.07	0.068	14
147397	Soil	1.0	30.3	13.5	72	0.2	23.0	7.9	294	2.71	15.4	7.0	4.2	26	0.2	0.8	0.2	38	0.44	0.060	15
147398	Soil	1.0	28.9	14.8	73	0.2	23.1	7.9	315	2.64	12.0	7.2	3.6	28	0.3	0.7	0.2	41	0.35	0.048	15
147399	Soil	1.1	32.9	18.2	91	0.2	24.6	8.7	301	2.79	12.1	2.3	4.2	27	0.2	0.8	0.2	46	0.40	0.049	17
147400	Soil	1.1	39.8	16.7	118	0.2	28.1	9.1	332	3.02	14.5	3.8	4.8	28	0.5	0.9	0.3	44	0.42	0.076	16
147401	Soil	1.1	42.2	18.7	117	0.2	24.9	8.7	353	2.78	12.0	2.8	3.9	29	0.5	0.8	0.3	42	0.43	0.063	17
147402	Soil	0.7	21.7	10.3	47	0.1	18.1	7.2	152	2.38	13.6	5.0	3.6	15	0.1	0.5	0.2	38	0.15	0.016	15
147403	Soil	0.8	35.2	32.9	114	<0.1	24.8	9.0	366	2.89	11.5	5.8	5.4	21	0.4	0.4	0.4	31	0.30	0.069	16
147404	Soil	1.1	39.5	19.4	82	<0.1	30.0	13.7	443	3.68	10.2	1.6	9.6	17	0.1	0.3	0.2	40	0.19	0.051	27
147405	Soil	1.4	140.9	44.6	680	0.2	24.8	9.0	504	3.83	10.6	1.0	7.4	19	2.1	0.2	0.9	34	0.28	0.059	8
147406	Soil	0.8	79.0	14.0	191	<0.1	25.4	9.6	401	3.43	25.2	1.7	6.8	17	0.6	0.5	0.3	42	0.22	0.030	27
147407	Soil	0.8	99.6	51.3	454	0.4	24.9	8.9	370	3.25	15.2	4.9	5.1	16	1.2	0.5	0.7	43	0.16	0.016	16

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Project: SULPHUR
Report Date: August 21, 2013

Page: 4 of 5

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI13000260.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	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
130507	Soil	22	0.30	208	0.006	2	0.88	0.003	0.13	0.1	0.04	7.0	0.2	<0.05	3	0.5	<0.2
130508	Soil	87	1.18	261	0.022	<1	1.73	0.004	0.06	<0.1	0.02	16.8	0.1	<0.05	6	<0.5	<0.2
130509	Soil	27	0.78	203	0.052	<1	1.27	0.003	0.27	<0.1	0.01	6.4	0.3	0.05	5	0.6	<0.2
130510	Soil	32	0.71	374	0.041	2	1.37	0.020	0.09	0.3	0.05	4.8	0.1	<0.05	5	<0.5	<0.2
130511	Soil	27	0.55	240	0.060	2	1.20	0.020	0.09	0.3	0.05	4.4	<0.1	<0.05	4	<0.5	<0.2
130512	Soil	40	0.86	314	0.028	<1	1.75	0.004	0.21	<0.1	<0.01	7.6	0.3	<0.05	7	<0.5	<0.2
130513	Soil	45	1.03	319	0.041	<1	1.80	0.004	0.11	<0.1	0.02	8.3	0.2	<0.05	7	<0.5	<0.2
130514	Soil	43	1.02	370	0.060	<1	1.96	0.006	0.39	<0.1	0.04	6.0	0.3	<0.05	7	<0.5	<0.2
147386	Soil	25	0.46	446	0.043	3	1.11	0.019	0.05	0.2	0.04	3.5	<0.1	0.10	3	0.8	<0.2
147387	Soil	28	0.52	511	0.043	2	1.23	0.020	0.06	0.2	0.05	4.0	<0.1	0.06	4	0.8	<0.2
147388	Soil	24	0.49	302	0.048	2	1.06	0.020	0.06	0.2	0.03	3.2	<0.1	0.11	3	<0.5	<0.2
147389	Soil	21	0.75	315	0.050	2	0.97	0.021	0.06	0.3	0.03	3.0	<0.1	<0.05	3	<0.5	<0.2
147390	Soil	25	0.50	345	0.046	2	1.15	0.018	0.05	0.4	0.03	3.2	<0.1	<0.05	3	0.5	<0.2
147391	Soil	29	0.60	410	0.050	3	1.33	0.020	0.06	0.3	0.03	4.2	<0.1	<0.05	4	0.9	<0.2
147392	Soil	30	0.71	412	0.053	3	1.32	0.018	0.07	0.3	0.03	4.1	<0.1	<0.05	4	<0.5	<0.2
147393	Soil	24	0.45	393	0.042	2	1.12	0.012	0.04	0.3	0.03	3.6	<0.1	<0.05	4	<0.5	<0.2
147394	Soil	25	0.48	374	0.046	3	1.27	0.014	0.05	0.3	0.04	3.6	<0.1	<0.05	4	<0.5	<0.2
147395	Soil	25	0.58	400	0.047	2	1.19	0.018	0.05	0.2	0.03	3.8	<0.1	<0.05	4	<0.5	<0.2
147396	Soil	27	0.60	469	0.050	3	1.26	0.020	0.05	0.2	0.03	4.0	<0.1	<0.05	4	<0.5	<0.2
147397	Soil	27	0.49	373	0.054	3	1.27	0.012	0.05	0.2	0.03	3.9	<0.1	<0.05	4	0.6	<0.2
147398	Soil	28	0.47	413	0.052	2	1.35	0.013	0.05	0.2	0.04	3.9	<0.1	<0.05	4	<0.5	<0.2
147399	Soil	31	0.52	399	0.065	<1	1.52	0.013	0.07	0.2	0.03	4.6	<0.1	<0.05	5	<0.5	<0.2
147400	Soil	31	0.54	362	0.061	2	1.38	0.015	0.09	0.2	0.03	4.3	0.1	<0.05	4	<0.5	<0.2
147401	Soil	30	0.52	436	0.055	<1	1.45	0.012	0.06	0.2	0.03	4.2	<0.1	<0.05	4	<0.5	<0.2
147402	Soil	24	0.39	288	0.059	1	1.29	0.005	0.05	0.1	0.02	3.6	<0.1	<0.05	4	<0.5	<0.2
147403	Soil	29	0.63	295	0.070	<1	1.26	0.006	0.35	0.1	0.01	3.4	0.3	<0.05	4	<0.5	<0.2
147404	Soil	36	0.74	284	0.083	<1	1.66	0.003	0.19	<0.1	<0.01	5.4	0.2	<0.05	6	<0.5	<0.2
147405	Soil	34	1.08	322	0.093	<1	1.76	0.002	0.37	<0.1	<0.01	4.3	0.3	<0.05	6	0.8	<0.2
147406	Soil	70	0.85	298	0.073	<1	1.59	0.005	0.17	<0.1	0.04	6.6	0.2	<0.05	5	<0.5	<0.2
147407	Soil	42	0.73	378	0.065	<1	1.73	0.006	0.08	0.1	0.10	5.4	<0.1	<0.05	6	0.6	<0.2



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Project: SULPHUR
Report Date: August 21, 2013

Page: 5 of 5

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI13000260.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
147408	Soil	0.9	46.3	13.7	87	<0.1	26.3	6.4	212	2.69	13.8	4.8	5.2	15	0.1	0.7	0.2	41	0.16	0.016	16
147409	Soil	1.0	26.5	16.6	73	0.2	22.4	8.1	309	2.89	13.2	2.5	3.1	24	0.1	0.5	0.2	45	0.32	0.028	16
147410	Soil	1.3	45.9	15.9	98	0.2	26.7	10.2	355	3.07	13.5	2.8	4.4	29	0.2	0.8	0.2	48	0.35	0.044	16



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Project: SULPHUR
Report Date: August 21, 2013

Page: 5 of 5

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI13000260.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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
147408	Soil	30	0.50	273	0.061	2	1.35	0.007	0.05	0.2	0.03	5.0	<0.1	<0.05	4	0.6	<0.2
147409	Soil	31	0.53	469	0.045	<1	1.68	0.007	0.08	0.2	0.03	4.0	<0.1	<0.05	5	<0.5	<0.2
147410	Soil	32	0.54	449	0.054	<1	1.52	0.015	0.05	0.2	0.04	4.5	<0.1	<0.05	5	0.8	<0.2

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Project: SULPHUR
Report Date: August 21, 2013

Page: 1 of 1

Part: 1 of 2

QUALITY CONTROL REPORT

WHI13000260.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
124989	Soil	0.7	37.0	14.8	86	<0.1	29.4	9.3	368	2.86	18.8	4.7	7.0	25	<0.1	0.6	0.2	36	0.25	0.022	24
REP 124989	QC	0.7	37.2	14.7	86	<0.1	29.8	9.3	388	3.02	18.9	4.3	6.9	26	0.1	0.6	0.1	39	0.27	0.023	25
124990	Soil	1.2	34.5	13.0	65	<0.1	26.4	7.7	286	2.67	43.9	5.0	8.9	14	<0.1	0.9	0.1	29	0.19	0.021	23
REP 124990	QC	1.1	35.3	13.0	67	<0.1	26.2	7.7	300	2.69	44.2	4.9	9.2	14	<0.1	0.8	0.1	30	0.19	0.020	24
130501	Soil	1.1	32.1	17.8	96	<0.1	21.5	10.5	662	3.14	35.4	1.8	10.6	14	0.2	0.4	0.1	29	0.23	0.035	34
REP 130501	QC	1.0	30.9	18.4	89	<0.1	21.1	10.2	636	3.16	35.8	1.7	10.3	14	0.2	0.4	0.2	28	0.23	0.037	34
130502	Soil	1.3	27.7	91.6	76	<0.1	9.1	3.0	242	1.69	11.5	<0.5	17.1	7	0.1	0.4	1.7	11	0.11	0.018	11
REP 130502	QC	1.2	28.4	96.3	76	<0.1	9.6	3.1	248	1.70	12.1	<0.5	17.5	7	0.1	0.4	1.7	12	0.11	0.017	11
147408	Soil	0.9	46.3	13.7	87	<0.1	26.3	6.4	212	2.69	13.8	4.8	5.2	15	0.1	0.7	0.2	41	0.16	0.016	16
REP 147408	QC	0.8	48.4	13.6	91	<0.1	26.4	6.6	210	2.80	14.0	4.1	5.1	15	0.2	0.7	0.2	38	0.16	0.016	16
147410	Soil	1.3	45.9	15.9	98	0.2	26.7	10.2	355	3.07	13.5	2.8	4.4	29	0.2	0.8	0.2	48	0.35	0.044	16
REP 147410	QC	1.1	45.5	16.4	96	0.2	26.2	10.2	341	2.97	13.7	3.2	4.6	30	0.3	0.8	0.2	47	0.33	0.045	16
Reference Materials																					
STD DS9	Standard	13.2	102.4	123.1	299	1.8	40.5	7.9	565	2.27	23.1	108.0	6.3	64	2.2	5.4	5.9	38	0.73	0.076	14
STD DS9	Standard	13.5	100.0	128.5	313	2.0	40.5	7.8	620	2.44	24.3	119.5	6.6	78	2.2	5.6	6.5	39	0.77	0.084	15
STD DS9	Standard	13.3	110.0	136.1	315	1.8	41.7	7.7	588	2.37	25.8	113.8	6.4	68	2.8	5.9	6.1	35	0.74	0.084	14
STD DS9 Expected		12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819	13.3
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	<0.001	<1
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	<0.001	<1
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	<0.001	<1

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Report Date: August 21, 2013

Page: 1 of 1

Part: 2 of 2

QUALITY CONTROL REPORT

WHI13000260.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	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																	
124989	Soil	39	0.81	344	0.048	<1	1.64	0.007	0.15	0.1	0.02	6.6	0.1	<0.05	6	<0.5	<0.2
REP 124989	QC	41	0.81	351	0.048	<1	1.64	0.007	0.15	0.1	0.02	6.7	0.1	<0.05	5	<0.5	<0.2
124990	Soil	30	0.58	320	0.032	<1	1.33	0.006	0.10	0.1	0.03	6.2	<0.1	<0.05	5	<0.5	<0.2
REP 124990	QC	33	0.57	329	0.031	<1	1.29	0.005	0.10	0.1	0.03	6.2	0.1	<0.05	4	<0.5	<0.2
130501	Soil	34	1.10	305	0.078	<1	1.91	0.007	0.43	<0.1	<0.01	7.2	0.5	<0.05	7	<0.5	<0.2
REP 130501	QC	34	1.02	298	0.076	<1	1.92	0.007	0.44	<0.1	0.01	7.2	0.4	0.05	7	<0.5	<0.2
130502	Soil	11	0.42	217	0.026	<1	1.02	0.003	0.10	<0.1	0.01	2.9	0.2	<0.05	3	<0.5	<0.2
REP 130502	QC	12	0.42	230	0.027	<1	1.03	0.003	0.10	<0.1	0.01	2.9	0.2	<0.05	3	<0.5	<0.2
147408	Soil	30	0.50	273	0.061	2	1.35	0.007	0.05	0.2	0.03	5.0	<0.1	<0.05	4	0.6	<0.2
REP 147408	QC	31	0.49	281	0.062	1	1.37	0.007	0.05	0.2	0.04	4.6	<0.1	<0.05	4	<0.5	<0.2
147410	Soil	32	0.54	449	0.054	<1	1.52	0.015	0.05	0.2	0.04	4.5	<0.1	<0.05	5	0.8	<0.2
REP 147410	QC	31	0.54	453	0.052	<1	1.49	0.015	0.04	0.3	0.03	4.5	<0.1	<0.05	4	0.6	<0.2
Reference Materials																	
STD DS9	Standard	123	0.62	295	0.115	3	0.90	0.080	0.39	3.0	0.20	2.8	5.1	0.20	4	5.3	5.5
STD DS9	Standard	125	0.67	315	0.117	3	1.01	0.095	0.41	3.1	0.21	2.7	5.3	0.22	5	5.6	5.5
STD DS9	Standard	121	0.61	313	0.115	3	0.96	0.070	0.39	3.1	0.21	2.4	5.1	0.12	5	5.5	4.6
STD DS9 Expected		121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
BLK	Blank	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	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	0.06	<1	<0.5	<0.2
BLK	Blank	<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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Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5 CANADA

Submitted By: Mark Fekete
Receiving Lab: Canada-Whitehorse
Received: August 12, 2013
Report Date: August 22, 2013
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI13000258.1

CLIENT JOB INFORMATION

Project: SULPHUR
Shipment ID: 20130804095727
P.O. Number
Number of Samples: 8

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	8	Crush, split and pulverize 250 g rock to 200 mesh			WHI
1DX2	8	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
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: Taku Gold Corp.
Suite 1450-409 Granville Street
Vancouver BC V6C 1T2
CANADA

CC: Marty Huber
Zachery Dingsdale



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.

Acme Analytical Laboratories (Vancouver) Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5 CANADA

Project: SULPHUR
Report Date: August 22, 2013

Page: 2 of 2

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI13000258.1

	Method Analyte Unit MDL	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	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	0.001
127775	Rock	1.08	0.2	3.8	11.3	10	<0.1	1.6	0.4	88	0.45	20.1	3.0	13.0	3	<0.1	<0.1	<0.1	<2	0.04	0.005
127776	Rock	0.99	<0.1	3.7	11.7	14	<0.1	1.8	0.6	86	0.54	21.6	6.0	9.6	4	<0.1	0.1	0.1	<2	0.03	0.004
127777	Rock	0.84	0.3	5.0	16.6	16	<0.1	2.9	0.7	95	0.72	27.1	10.3	7.9	4	<0.1	0.3	<0.1	2	0.04	0.004
127778	Rock	0.99	0.1	3.3	6.5	9	0.2	1.2	0.4	64	0.38	55.1	27.3	0.5	1	0.3	0.2	<0.1	<2	<0.01	0.003
127779	Rock	1.08	0.9	37.9	56.6	175	0.2	10.4	7.2	530	3.00	9.9	2.8	5.7	16	0.8	0.6	<0.1	34	0.99	0.074
127780	Rock	1.09	0.2	2.1	1.5	11	<0.1	2.7	0.6	93	0.59	12.7	<0.5	0.1	1	<0.1	<0.1	<0.1	3	0.03	0.014
130431	Rock	0.86	0.4	1.5	46.9	20	<0.1	1.2	0.8	142	0.89	29.2	5.7	0.9	8	<0.1	0.2	<0.1	<2	0.07	0.038
130432	Rock	1.07	0.2	7.5	1.9	8	<0.1	4.1	1.0	141	0.54	<0.5	0.7	0.7	23	<0.1	<0.1	<0.1	4	0.63	0.012

Acme Analytical Laboratories (Vancouver) Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5 CANADA

Project: SULPHUR
Report Date: August 22, 2013

Page: 2 of 2

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI13000258.1

	Method Analyte Unit MDL	1DX15	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	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
127775	Rock	19	3	0.02	280	0.001	1	0.28	0.037	0.23	<0.1	0.03	1.1	<0.1	<0.05	<1	<0.5	<0.2
127776	Rock	15	3	0.04	205	0.002	2	0.31	0.032	0.19	<0.1	0.04	1.5	<0.1	<0.05	1	<0.5	<0.2
127777	Rock	21	6	0.04	216	0.002	2	0.35	0.026	0.18	0.1	0.03	1.3	<0.1	<0.05	<1	<0.5	<0.2
127778	Rock	2	6	<0.01	58	<0.001	<1	0.06	0.007	0.04	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2
127779	Rock	19	42	0.31	522	0.006	<1	1.15	0.009	0.21	0.2	0.17	7.7	<0.1	<0.05	3	<0.5	<0.2
127780	Rock	<1	7	0.12	11	<0.001	<1	0.15	0.003	<0.01	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2
130431	Rock	3	6	0.02	34	<0.001	<1	0.13	0.027	0.03	<0.1	0.03	1.0	<0.1	<0.05	<1	<0.5	<0.2
130432	Rock	3	10	0.15	25	0.029	<1	0.29	0.003	0.01	<0.1	0.01	0.6	<0.1	<0.05	<1	<0.5	<0.2

Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5 CANADA

Project: SULPHUR
Report Date: August 22, 2013

Page: 1 of 1

Part: 1 of 2

QUALITY CONTROL REPORT

WHI13000258.1

	Method Analyte Unit MDL	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	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	0.001
Core Reject Duplicates																					
130431	Rock	0.86	0.4	1.5	46.9	20	<0.1	1.2	0.8	142	0.89	29.2	5.7	0.9	8	<0.1	0.2	<0.1	<2	0.07	0.038
DUP 130431	QC		0.4	1.3	46.3	19	<0.1	1.2	0.9	138	0.88	30.2	4.8	0.9	8	<0.1	0.1	<0.1	<2	0.06	0.038
Reference Materials																					
STD DS9	Standard		12.7	105.3	134.5	308	1.9	38.6	7.6	569	2.33	25.5	116.7	7.0	67	2.3	5.3	5.4	41	0.73	0.084
STD DS9 Expected			12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
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	<0.001
Prep Wash																					
G1-WHI	Prep Blank		<0.1	2.8	3.6	45	<0.1	2.5	3.7	554	1.91	<0.5	<0.5	5.7	58	<0.1	<0.1	0.1	36	0.50	0.073

Acme Analytical Laboratories (Vancouver) Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5 CANADA

Project: SULPHUR
Report Date: August 22, 2013

Page: 1 of 1

Part: 2 of 2

QUALITY CONTROL REPORT

WHI13000258.1

	Method Analyte Unit MDL	1DX15	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	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
Core Reject Duplicates																		
130431	Rock	3	6	0.02	34	<0.001	<1	0.13	0.027	0.03	<0.1	0.03	1.0	<0.1	<0.05	<1	<0.5	<0.2
DUP 130431	QC	3	6	0.01	34	<0.001	1	0.13	0.034	0.03	<0.1	0.03	1.0	<0.1	<0.05	<1	<0.5	<0.2
Reference Materials																		
STD DS9	Standard	13	114	0.61	307	0.110	2	0.95	0.086	0.40	3.1	0.20	2.5	5.3	0.17	5	3.9	5.3
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
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-WHI	Prep Blank	12	6	0.49	168	0.107	2	1.02	0.126	0.55	<0.1	0.01	2.3	0.4	<0.05	5	<0.5	<0.2



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Acme Analytical Laboratories (Vancouver) Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: **Taku Gold Corp.**
Suite 1450-409 Granville Street
Vancouver BC V6C 1T2 CANADA

Submitted By: Mark Fekete
Receiving Lab: Canada-Whitehorse
Received: August 08, 2013
Report Date: September 24, 2013
Page: 1 of 6

CERTIFICATE OF ANALYSIS

WHI13000245.2

CLIENT JOB INFORMATION

Project: Sulphur
Shipment ID: 2013_08_07_SUL_RH01
P.O. Number
Number of Samples: 139

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
DISP-RJT Dispose of Reject After 90 days

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: Taku Gold Corp.
Suite 1450-409 Granville Street
Vancouver BC V6C 1T2
CANADA

CC: Zachery Dingsdale
Marty Jhuber

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	133	Crush, split and pulverize 250 g rock to 200 mesh			WHI
ASSAY2	139	lead collection fire-assay fusion -AAS finish + 7AR	30	Completed	VAN
1DX1	139	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Version 2 : 1DX1 included.



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.

CERTIFICATE OF ANALYSIS

WHI13000245.2

		Method Analyte Unit MDL	WGHT	G6	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	
			Wgt	Au	Ag	Mo	Cu	Pb	Zn	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg
			kg	ppm	gm/t	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
			0.01	0.005	2	0.001	0.001	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001
1265938	Rock	0.96	0.010	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.01	0.50	<0.01	<0.001	<0.001	<0.001	<0.01	0.02	0.010	<0.001	0.05	
1265939	Rock	1.01	0.012	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	0.59	<0.01	<0.001	<0.001	<0.001	<0.01	0.01	0.009	<0.001	0.03	
1265940	Rock	0.88	0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.01	0.69	<0.01	<0.001	<0.001	<0.001	<0.01	0.01	0.008	<0.001	0.03	
1265941	Rock	0.82	0.007	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.47	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	0.005	<0.001	0.03	
1265942	Rock	0.95	0.007	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.62	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	0.009	<0.001	0.04	
1265943	Rock	0.83	0.023	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.03	0.63	<0.01	<0.001	<0.001	<0.001	<0.01	0.02	0.009	<0.001	0.05	
1265944	Rock	1.04	0.009	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.68	<0.01	<0.001	<0.001	<0.001	<0.01	0.02	0.007	<0.001	0.05	
1265945	Rock	1.02	0.009	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.01	0.84	<0.01	<0.001	<0.001	<0.001	<0.01	0.04	0.013	<0.001	0.11	
1265946	Rock	0.90	0.008	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	1.37	<0.01	<0.001	<0.001	<0.001	<0.01	0.04	0.012	<0.001	0.08	
1265947	Rock	0.75	0.008	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	1.13	<0.01	<0.001	<0.001	<0.001	<0.01	0.01	0.010	<0.001	0.04	
1265948	Rock	0.93	0.013	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.83	<0.01	<0.001	<0.001	<0.001	<0.01	0.01	0.007	<0.001	0.04	
1265949	Rock	0.88	0.006	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.89	<0.01	<0.001	<0.001	<0.001	<0.01	0.02	0.013	<0.001	0.10	
1265950	Rock	0.78	0.008	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.01	1.15	<0.01	<0.001	<0.001	<0.001	<0.01	0.03	0.009	<0.001	0.06	
1265951	Rock	0.65	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.03	1.31	<0.01	<0.001	<0.001	<0.001	<0.01	0.05	0.021	<0.001	0.12	
1265952	Rock	0.59	0.006	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	0.99	<0.01	<0.001	<0.001	<0.001	<0.01	0.03	0.013	<0.001	0.12	
1265953	Rock	0.79	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.73	<0.01	<0.001	<0.001	<0.001	<0.01	0.01	0.007	<0.001	0.10	
1265954	Rock	0.59	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.54	<0.01	<0.001	<0.001	<0.001	<0.01	0.02	0.006	<0.001	0.04	
1265955	Rock	0.82	0.010	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	0.91	<0.01	<0.001	<0.001	<0.001	<0.01	0.05	0.017	<0.001	0.09	
1265956	Rock	0.72	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.05	0.77	<0.01	<0.001	<0.001	<0.001	<0.01	0.03	0.008	<0.001	0.15	
1265957	Rock	0.87	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.03	1.33	<0.01	0.001	<0.001	<0.001	<0.01	0.10	0.025	<0.001	0.24	
1265958	Rock	0.52	0.006	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.03	1.27	<0.01	0.001	<0.001	<0.001	<0.01	0.08	0.021	<0.001	0.21	
1265959	Rock	0.53	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	1.11	<0.01	0.001	<0.001	<0.001	<0.01	0.09	0.019	<0.001	0.18	
1265960	Rock	0.58	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.03	1.04	<0.01	0.002	<0.001	<0.001	<0.01	0.10	0.019	<0.001	0.18	
1265961	Rock	0.88	0.006	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	1.05	<0.01	0.002	<0.001	<0.001	<0.01	0.16	0.019	<0.001	0.13	
1265962	Rock	0.92	0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	1.00	<0.01	0.002	<0.001	<0.001	<0.01	0.14	0.018	<0.001	0.13	
1266782	Rock Pulp	0.05	0.725	<2	<0.001	0.003	<0.01	<0.01	0.002	<0.001	0.04	2.58	<0.01	0.005	<0.001	<0.001	<0.01	0.94	0.057	0.003	0.76	
1266783	Rock Pulp	0.05	<0.005	<2	<0.001	0.002	<0.01	<0.01	0.002	<0.001	0.04	2.41	<0.01	0.004	<0.001	<0.001	<0.01	0.93	0.059	0.003	0.80	
1265815	Rock	0.59	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	0.89	<0.01	0.001	<0.001	<0.001	<0.01	0.08	0.021	<0.001	0.13	
1265816	Rock	0.67	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	0.90	<0.01	0.001	<0.001	<0.001	<0.01	0.07	0.018	<0.001	0.10	
1265817	Rock	0.65	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.01	1.40	<0.01	0.001	<0.001	<0.001	<0.01	0.08	0.016	<0.001	0.13	

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Report Date:

September 24, 2013

Page:

2 of 6

Part: 2 of 4

CERTIFICATE OF ANALYSIS

WHI13000245.2

	Method Analyte Unit MDL	7AR Al %	7AR Na %	7AR K %	7AR W %	7AR Hg %	7AR S %	1DX Mo ppm	1DX Cu ppm	1DX Pb ppm	1DX Zn ppm	1DX Ag ppm	1DX Ni ppm	1DX Co ppm	1DX Mn ppm	1DX Fe %	1DX As ppm	1DX Au ppb	1DX Th ppm	1DX Sr ppm	1DX Cd ppm
		0.01	0.01	0.01	0.001	0.001	0.05	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
1265938	Rock	0.36	0.04	0.32	<0.001	<0.001	<0.05	0.2	4.6	14.7	26	<0.1	1.0	1.0	134	0.48	4.1	11.7	13.7	4	<0.1
1265939	Rock	0.39	0.06	0.31	<0.001	<0.001	<0.05	0.3	5.5	15.2	24	0.2	0.9	0.9	165	0.54	3.6	8.1	13.0	4	<0.1
1265940	Rock	0.34	0.05	0.30	<0.001	<0.001	<0.05	0.2	3.1	9.4	27	0.1	1.2	0.8	159	0.69	2.6	6.0	13.3	3	<0.1
1265941	Rock	0.36	0.08	0.27	<0.001	<0.001	<0.05	0.2	4.6	10.5	15	0.1	0.6	0.7	97	0.44	2.0	5.7	12.8	2	<0.1
1265942	Rock	0.40	0.06	0.29	<0.001	<0.001	<0.05	0.3	4.6	23.2	17	0.2	1.0	0.7	84	0.59	5.1	3.9	13.7	3	<0.1
1265943	Rock	0.50	0.06	0.35	<0.001	<0.001	<0.05	0.4	6.3	13.9	20	0.3	1.5	1.2	265	0.63	3.6	22.9	13.9	4	<0.1
1265944	Rock	0.41	0.06	0.27	<0.001	<0.001	<0.05	0.3	3.8	11.9	26	0.1	1.8	0.8	72	0.66	2.8	10.9	12.4	5	<0.1
1265945	Rock	0.59	0.05	0.36	<0.001	<0.001	<0.05	0.5	7.2	24.5	32	0.2	1.9	1.4	156	0.86	4.5	6.9	14.4	7	<0.1
1265946	Rock	0.54	0.05	0.25	<0.001	<0.001	<0.05	0.6	7.9	23.1	35	0.1	3.3	1.4	97	1.37	6.8	9.3	19.0	6	<0.1
1265947	Rock	0.45	0.06	0.19	<0.001	<0.001	<0.05	0.6	7.2	22.5	33	0.3	1.6	0.9	72	1.18	2.8	6.0	17.9	3	<0.1
1265948	Rock	0.40	0.07	0.21	<0.001	<0.001	<0.05	0.3	3.8	10.4	19	<0.1	1.3	0.6	55	0.79	3.9	5.3	15.5	3	<0.1
1265949	Rock	0.59	0.05	0.34	<0.001	<0.001	<0.05	0.2	4.4	11.4	27	<0.1	2.5	1.2	96	0.89	3.3	3.0	14.3	4	<0.1
1265950	Rock	0.50	0.03	0.26	<0.001	<0.001	<0.05	1.2	11.4	26.7	74	0.1	2.9	2.3	144	1.18	3.4	6.8	15.9	10	0.1
1265951	Rock	0.53	0.04	0.35	<0.001	<0.001	<0.05	0.4	6.2	14.9	57	0.1	3.9	2.8	303	1.36	1.8	2.7	12.5	7	0.2
1265952	Rock	0.56	0.04	0.34	<0.001	<0.001	<0.05	1.0	7.1	14.9	33	<0.1	3.7	1.8	172	1.03	2.6	27.5	12.5	6	0.1
1265953	Rock	0.49	0.07	0.36	<0.001	<0.001	<0.05	0.2	3.4	11.0	33	<0.1	1.6	0.7	72	0.75	1.1	3.5	13.0	4	<0.1
1265954	Rock	0.36	0.04	0.33	<0.001	<0.001	<0.05	0.2	3.0	15.3	17	<0.1	0.9	0.8	66	0.45	1.5	2.1	11.2	4	<0.1
1265955	Rock	0.55	0.06	0.37	<0.001	<0.001	<0.05	0.6	5.8	17.8	37	<0.1	2.6	1.6	174	0.91	1.6	6.7	15.6	8	0.3
1265956	Rock	0.62	0.04	0.55	<0.001	<0.001	<0.05	0.3	4.3	26.3	37	0.1	1.7	1.0	546	0.79	1.0	0.9	12.8	5	0.2
1265957	Rock	0.70	0.05	0.51	<0.001	<0.001	<0.05	0.3	10.6	20.3	46	0.1	4.6	3.2	368	1.43	1.6	1.6	13.7	13	0.3
1265958	Rock	0.66	0.05	0.48	<0.001	<0.001	<0.05	0.3	8.4	14.3	47	0.1	4.1	2.5	304	1.34	1.4	2.1	13.0	11	0.2
1265959	Rock	0.61	0.05	0.46	<0.001	<0.001	<0.05	0.3	5.3	14.1	53	0.4	4.4	2.3	271	1.14	1.3	3.6	12.6	12	0.2
1265960	Rock	0.64	0.06	0.45	<0.001	<0.001	<0.05	0.4	8.0	16.9	43	0.2	3.2	1.7	337	1.10	1.2	1.3	11.2	13	0.2
1265961	Rock	0.73	0.04	0.45	<0.001	<0.001	<0.05	0.4	7.4	14.9	35	0.1	3.7	2.2	252	1.06	1.9	2.7	11.0	19	0.2
1265962	Rock	0.69	0.05	0.48	<0.001	<0.001	<0.05	0.4	8.9	14.1	32	0.1	3.2	2.0	218	1.03	2.1	1.7	10.6	16	0.2
1266782	Rock Pulp	1.58	0.09	0.16	0.002	<0.001	0.05	4.4	33.8	5.4	49	0.3	22.8	9.1	405	2.61	6.1	1098	1.0	38	0.2
1266783	Rock Pulp	1.59	0.09	0.16	0.002	<0.001	<0.05	2.4	25.1	2.7	45	0.1	23.6	10.3	409	2.51	4.7	1.4	0.9	38	0.2
1265815	Rock	0.50	0.04	0.37	<0.001	<0.001	<0.05	0.3	6.9	16.5	48	<0.1	2.6	2.4	240	0.93	1.2	2.1	10.3	11	0.3
1265816	Rock	0.51	0.05	0.39	<0.001	<0.001	<0.05	0.2	7.5	14.2	35	<0.1	2.3	2.0	214	0.90	1.1	<0.5	9.9	9	0.1
1265817	Rock	0.65	0.05	0.24	<0.001	<0.001	<0.05	0.3	8.8	11.3	31	0.1	4.5	3.1	150	1.33	3.4	3.6	9.6	9	<0.1

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Report Date:

September 24, 2013

Page:

2 of 6

Part: 3 of 4

CERTIFICATE OF ANALYSIS

WHI13000245.2

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
		Analyte	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		Unit	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		MDL	0.1	0.1	2	0.01	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
1265938	Rock		0.3	<0.1	<2	0.02	0.011	37	4	0.05	617	0.005	<20	0.31	0.036	0.22	<0.1	<0.01	2.0	<0.1	<0.05	1
1265939	Rock		0.3	<0.1	<2	0.02	0.010	46	4	0.04	429	0.005	<20	0.33	0.045	0.20	<0.1	<0.01	2.1	<0.1	<0.05	1
1265940	Rock		0.3	<0.1	<2	0.01	0.011	37	4	0.03	397	0.004	<20	0.28	0.038	0.20	<0.1	<0.01	1.9	<0.1	<0.05	1
1265941	Rock		0.2	<0.1	<2	0.01	0.006	29	4	0.03	202	0.005	<20	0.29	0.057	0.18	<0.1	<0.01	1.8	<0.1	<0.05	1
1265942	Rock		0.4	<0.1	2	0.02	0.011	59	4	0.04	386	0.005	<20	0.35	0.039	0.19	<0.1	<0.01	1.8	<0.1	<0.05	2
1265943	Rock		0.5	<0.1	5	0.02	0.010	63	4	0.05	312	0.007	<20	0.41	0.041	0.24	<0.1	<0.01	2.0	<0.1	<0.05	2
1265944	Rock		0.2	<0.1	4	0.03	0.008	46	5	0.05	367	0.010	<20	0.34	0.048	0.18	<0.1	<0.01	2.1	<0.1	<0.05	2
1265945	Rock		0.3	<0.1	6	0.04	0.016	60	5	0.12	498	0.013	<20	0.50	0.039	0.27	<0.1	<0.01	2.4	0.1	<0.05	2
1265946	Rock		0.4	<0.1	6	0.04	0.016	40	5	0.08	400	0.015	<20	0.45	0.037	0.18	<0.1	<0.01	3.1	<0.1	<0.05	2
1265947	Rock		0.3	<0.1	3	0.02	0.013	48	4	0.04	209	0.008	<20	0.44	0.053	0.14	<0.1	0.01	2.7	<0.1	<0.05	2
1265948	Rock		0.3	<0.1	3	0.02	0.009	34	4	0.04	250	0.011	<20	0.36	0.054	0.14	<0.1	<0.01	2.3	<0.1	<0.05	1
1265949	Rock		0.3	<0.1	4	0.02	0.016	78	4	0.10	272	0.012	<20	0.51	0.036	0.26	<0.1	<0.01	2.6	0.2	<0.05	2
1265950	Rock		0.2	0.1	<2	0.04	0.010	26	2	0.07	1300	0.003	<20	0.44	0.025	0.19	<0.1	<0.01	2.5	<0.1	<0.05	2
1265951	Rock		0.2	<0.1	4	0.05	0.025	26	4	0.13	508	0.011	<20	0.49	0.031	0.28	<0.1	<0.01	5.0	0.1	<0.05	2
1265952	Rock		0.3	<0.1	6	0.04	0.016	36	5	0.12	423	0.014	<20	0.45	0.024	0.25	<0.1	<0.01	2.4	0.1	<0.05	2
1265953	Rock		0.2	<0.1	<2	0.02	0.010	23	3	0.11	250	0.012	<20	0.46	0.054	0.29	<0.1	<0.01	3.0	0.2	<0.05	2
1265954	Rock		0.3	<0.1	<2	0.02	0.007	22	1	0.04	287	0.005	<20	0.28	0.029	0.22	<0.1	<0.01	1.8	<0.1	<0.05	<1
1265955	Rock		0.3	<0.1	4	0.06	0.020	63	4	0.09	394	0.008	<20	0.47	0.043	0.27	<0.1	<0.01	3.4	0.1	<0.05	2
1265956	Rock		0.1	0.4	2	0.03	0.010	49	3	0.15	462	0.013	<20	0.53	0.032	0.43	<0.1	<0.01	2.7	0.3	<0.05	3
1265957	Rock		0.3	0.2	9	0.11	0.031	76	6	0.26	401	0.042	<20	0.68	0.041	0.48	<0.1	<0.01	4.3	0.3	<0.05	4
1265958	Rock		0.2	0.1	7	0.10	0.027	58	6	0.22	366	0.032	<20	0.63	0.040	0.43	<0.1	<0.01	4.6	0.3	<0.05	4
1265959	Rock		0.2	<0.1	6	0.10	0.025	38	7	0.19	293	0.029	<20	0.57	0.037	0.40	<0.1	<0.01	3.3	0.3	<0.05	3
1265960	Rock		0.1	0.1	6	0.10	0.023	48	6	0.20	305	0.033	<20	0.59	0.044	0.38	<0.1	0.01	2.9	0.2	<0.05	3
1265961	Rock		0.3	0.3	7	0.15	0.022	50	6	0.14	369	0.025	<20	0.63	0.030	0.32	<0.1	<0.01	3.6	0.3	<0.05	3
1265962	Rock		0.3	0.1	6	0.14	0.022	36	6	0.14	410	0.027	<20	0.60	0.035	0.35	<0.1	0.01	3.3	0.2	<0.05	3
1266782	Rock Pulp		1.0	0.2	61	0.83	0.063	4	31	0.76	99	0.129	<20	1.53	0.084	0.14	11.3	0.04	4.9	<0.1	<0.05	5
1266783	Rock Pulp		0.3	<0.1	60	0.83	0.070	4	31	0.81	98	0.129	<20	1.58	0.078	0.14	13.0	<0.01	4.7	<0.1	<0.05	5
1265815	Rock		0.5	<0.1	4	0.09	0.027	29	5	0.15	335	0.017	<20	0.49	0.035	0.30	<0.1	<0.01	3.2	0.2	<0.05	3
1265816	Rock		0.3	<0.1	4	0.07	0.021	13	4	0.11	264	0.016	<20	0.44	0.035	0.29	0.1	<0.01	2.8	0.1	<0.05	2
1265817	Rock		0.4	<0.1	14	0.08	0.018	13	10	0.12	278	0.024	<20	0.56	0.037	0.16	0.1	<0.01	3.8	<0.1	<0.05	2



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Report Date:

September 24, 2013

Page:

2 of 6

Part:

4 of 4

CERTIFICATE OF ANALYSIS

WHI13000245.2

	Method Analyte Unit MDL	1DX Se ppm 0.5	1DX Te ppm 0.2
1265938	Rock	<0.5	<0.2
1265939	Rock	<0.5	<0.2
1265940	Rock	<0.5	<0.2
1265941	Rock	<0.5	<0.2
1265942	Rock	0.7	<0.2
1265943	Rock	<0.5	<0.2
1265944	Rock	<0.5	<0.2
1265945	Rock	0.6	<0.2
1265946	Rock	<0.5	<0.2
1265947	Rock	0.7	<0.2
1265948	Rock	<0.5	<0.2
1265949	Rock	<0.5	<0.2
1265950	Rock	<0.5	<0.2
1265951	Rock	<0.5	<0.2
1265952	Rock	<0.5	<0.2
1265953	Rock	<0.5	<0.2
1265954	Rock	<0.5	<0.2
1265955	Rock	<0.5	<0.2
1265956	Rock	<0.5	<0.2
1265957	Rock	0.5	<0.2
1265958	Rock	<0.5	<0.2
1265959	Rock	<0.5	<0.2
1265960	Rock	<0.5	<0.2
1265961	Rock	<0.5	<0.2
1265962	Rock	<0.5	<0.2
1266782	Rock Pulp	<0.5	<0.2
1266783	Rock Pulp	<0.5	<0.2
1265815	Rock	<0.5	<0.2
1265816	Rock	<0.5	<0.2
1265817	Rock	<0.5	<0.2

CERTIFICATE OF ANALYSIS

WHI13000245.2

	Method	WGHT	G6	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR
	Analyte	Wgt	Au	Ag	Mo	Cu	Pb	Zn	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr
	Unit	kg	ppm	gm/t	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	MDL	0.01	0.005	2	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.01
1265818	Rock	0.61	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	1.07	<0.01	<0.001	<0.001	<0.001	<0.01	0.04	0.016	<0.001
1265819	Rock	0.68	0.255	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	2.24	<0.01	<0.001	<0.001	<0.001	<0.01	0.02	0.019	<0.001
1265820	Rock	0.51	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	0.72	<0.01	<0.001	<0.001	<0.001	<0.01	0.05	0.021	<0.001
1265821	Rock	0.62	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	1.11	<0.01	<0.001	<0.001	<0.001	<0.01	0.03	0.009	<0.001
1265822	Rock	0.83	0.012	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	0.80	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	0.008	<0.001
1265823	Rock	0.82	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.57	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	0.004	<0.001
1265824	Rock	0.65	0.010	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	0.87	<0.01	<0.001	<0.001	<0.001	<0.01	0.02	0.006	<0.001
1265825	Rock	0.64	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	0.77	<0.01	<0.001	<0.001	<0.001	<0.01	0.01	0.003	<0.001
1265826	Rock	0.58	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.55	<0.01	<0.001	<0.001	<0.001	<0.01	0.02	0.003	<0.001
1265827	Rock	0.70	0.058	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.70	<0.01	<0.001	<0.001	<0.001	<0.01	0.02	0.009	<0.001
1265828	Rock	0.79	0.008	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	0.84	<0.01	0.001	<0.001	<0.001	<0.01	0.03	0.022	<0.001
1265829	Rock	0.90	0.032	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.04	1.09	<0.01	<0.001	<0.001	<0.001	<0.01	0.03	0.015	<0.001
1265830	Rock	0.66	0.050	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	1.46	<0.01	0.001	<0.001	<0.001	<0.01	0.04	0.015	<0.001
1265831	Rock	0.78	0.056	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.43	<0.01	<0.001	<0.001	<0.001	<0.01	0.01	0.006	<0.001
1265832	Rock	0.60	0.007	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.49	<0.01	<0.001	<0.001	<0.001	<0.01	0.02	0.006	<0.001
1265833	Rock	0.76	0.006	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.57	<0.01	<0.001	<0.001	<0.001	<0.01	0.03	0.010	<0.001
1265834	Rock	0.75	0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.54	<0.01	<0.001	<0.001	<0.001	<0.01	0.02	0.008	<0.001
1265835	Rock	0.80	0.006	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.52	<0.01	<0.001	<0.001	<0.001	<0.01	0.03	0.005	<0.001
1265856	Rock	0.58	0.013	<2	<0.001	<0.001	<0.01	0.01	<0.001	<0.001	0.04	1.31	<0.01	<0.001	<0.001	<0.001	<0.01	0.19	0.019	<0.001
1265857	Rock	0.99	0.088	<2	<0.001	<0.001	<0.01	0.01	<0.001	<0.001	0.02	1.32	<0.01	<0.001	<0.001	<0.001	<0.01	0.06	0.019	<0.001
1265858	Rock	0.71	0.027	<2	<0.001	<0.001	<0.01	0.01	<0.001	<0.001	0.03	1.30	<0.01	<0.001	<0.001	<0.001	<0.01	0.05	0.020	<0.001
1265859	Rock	0.75	0.011	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	1.15	<0.01	<0.001	<0.001	<0.001	<0.01	0.06	0.020	<0.001
1265860	Rock	1.06	0.115	<2	<0.001	<0.001	<0.01	0.02	<0.001	<0.001	0.02	1.17	<0.01	<0.001	<0.001	<0.001	<0.01	0.04	0.014	<0.001
1265861	Rock	0.86	0.011	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	0.98	<0.01	<0.001	<0.001	<0.001	<0.01	0.05	0.018	<0.001
1265862	Rock	0.80	0.008	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.01	0.89	<0.01	<0.001	<0.001	<0.001	<0.01	0.05	0.019	<0.001
1265863	Rock	0.93	0.008	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.01	0.98	<0.01	<0.001	<0.001	<0.001	<0.01	0.05	0.019	<0.001
1265864	Rock	0.90	0.018	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.01	0.76	<0.01	<0.001	<0.001	<0.001	<0.01	0.04	0.018	<0.001
1265865	Rock	1.02	0.019	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	0.92	<0.01	<0.001	<0.001	<0.001	<0.01	0.04	0.017	<0.001
1266778	Rock Pulp	0.05	0.798	<2	<0.001	0.003	<0.01	<0.01	0.002	<0.001	0.04	2.71	<0.01	0.004	<0.001	<0.001	<0.01	0.95	0.055	0.003
1266779	Rock Pulp	0.05	<0.005	<2	<0.001	0.002	<0.01	<0.01	0.002	<0.001	0.04	2.54	<0.01	0.004	<0.001	<0.001	<0.01	0.94	0.061	0.003

CERTIFICATE OF ANALYSIS

WHI13000245.2

		Method	7AR	7AR	7AR	7AR	7AR	7AR	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
		Analyte	Al	Na	K	W	Hg	S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd
		Unit	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm
		MDL	0.01	0.01	0.01	0.001	0.001	0.05	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
1265818	Rock		0.38	0.05	0.28	<0.001	<0.001	<0.05	0.3	4.8	11.7	41	0.1	1.7	2.3	189	1.02	0.7	2.3	11.6	4	<0.1
1265819	Rock		0.36	0.06	0.12	<0.001	<0.001	<0.05	0.4	11.7	35.7	62	0.6	3.7	2.5	199	2.33	23.6	276.2	12.0	6	0.3
1265820	Rock		0.53	0.06	0.38	<0.001	<0.001	<0.05	0.3	3.4	11.5	47	<0.1	1.9	2.2	222	0.69	1.5	1.7	10.9	5	<0.1
1265821	Rock		0.33	0.04	0.21	<0.001	<0.001	<0.05	0.3	4.7	15.1	27	<0.1	3.1	2.1	218	1.02	2.7	5.8	12.1	4	0.2
1265822	Rock		0.31	0.03	0.30	<0.001	<0.001	<0.05	0.3	3.9	15.8	22	<0.1	1.8	0.9	188	0.78	3.8	14.8	16.3	4	0.2
1265823	Rock		0.27	0.03	0.27	<0.001	<0.001	<0.05	0.1	2.8	11.2	16	<0.1	0.6	0.4	65	0.49	0.7	1.4	12.3	2	<0.1
1265824	Rock		0.30	0.02	0.19	<0.001	<0.001	<0.05	0.2	3.5	5.9	31	<0.1	1.5	0.7	243	0.77	2.4	7.5	14.2	3	0.3
1265825	Rock		0.29	0.02	0.28	<0.001	<0.001	<0.05	0.2	4.7	15.2	40	0.2	1.1	0.6	201	0.74	4.5	2.2	12.9	6	0.2
1265826	Rock		0.33	0.03	0.32	<0.001	<0.001	<0.05	0.2	2.9	12.0	16	0.2	1.2	0.5	41	0.54	2.6	<0.5	6.8	3	<0.1
1265827	Rock		0.33	0.02	0.25	<0.001	<0.001	<0.05	0.2	5.3	10.2	25	0.2	1.6	0.6	79	0.69	4.2	32.3	11.2	6	0.2
1265828	Rock		0.42	0.02	0.33	<0.001	<0.001	<0.05	0.3	7.4	11.7	29	0.2	2.5	1.8	183	0.81	4.4	8.9	11.7	13	0.2
1265829	Rock		0.44	0.02	0.36	<0.001	<0.001	<0.05	0.4	5.9	15.5	36	0.3	2.2	2.9	429	1.04	4.4	37.9	13.0	8	0.2
1265830	Rock		0.55	0.02	0.41	<0.001	<0.001	0.06	0.5	5.8	18.1	39	0.2	2.1	1.0	102	1.46	5.3	54.9	14.6	15	<0.1
1265831	Rock		0.25	0.03	0.31	<0.001	<0.001	0.08	0.2	1.9	13.9	6	0.2	0.7	0.2	19	0.43	4.3	66.7	10.2	4	<0.1
1265832	Rock		0.34	0.02	0.26	<0.001	<0.001	<0.05	0.4	5.8	52.7	12	0.2	1.7	0.5	36	0.46	3.1	4.3	11.6	4	<0.1
1265833	Rock		0.34	0.02	0.25	<0.001	<0.001	<0.05	0.5	7.5	23.6	17	0.2	1.8	0.8	58	0.56	3.9	1.0	16.9	5	<0.1
1265834	Rock		0.31	0.03	0.25	<0.001	<0.001	<0.05	0.3	7.0	20.5	20	0.2	1.7	0.6	50	0.51	2.8	3.4	15.7	4	<0.1
1265835	Rock		0.32	0.03	0.22	<0.001	<0.001	<0.05	0.3	5.3	13.5	17	0.2	1.7	0.7	58	0.47	2.0	9.2	13.6	3	<0.1
1265856	Rock		0.48	0.03	0.37	<0.001	<0.001	<0.05	0.4	6.5	17.4	135	0.2	3.7	2.5	369	1.31	9.0	36.4	12.4	7	0.7
1265857	Rock		0.36	0.03	0.33	<0.001	<0.001	<0.05	0.2	5.8	18.4	155	0.3	3.3	2.1	232	1.32	7.5	40.5	13.6	10	0.6
1265858	Rock		0.42	0.03	0.37	<0.001	<0.001	<0.05	0.3	7.8	15.9	115	0.2	2.9	2.2	300	1.27	10.0	14.2	13.4	6	0.6
1265859	Rock		0.45	0.02	0.44	<0.001	<0.001	<0.05	0.3	7.5	16.7	61	0.2	3.7	1.9	226	1.14	10.1	12.4	16.3	6	0.6
1265860	Rock		0.33	0.03	0.32	<0.001	<0.001	<0.05	0.3	6.4	17.9	210	0.3	2.6	1.6	174	1.13	20.0	89.4	13.4	7	1.0
1265861	Rock		0.39	0.03	0.38	<0.001	<0.001	<0.05	0.2	5.7	11.4	105	0.2	2.4	1.8	222	0.93	6.7	20.8	11.1	7	0.4
1265862	Rock		0.40	0.03	0.39	<0.001	<0.001	<0.05	0.1	5.3	11.2	41	0.2	2.3	1.4	136	0.83	1.5	3.7	11.8	6	0.2
1265863	Rock		0.46	0.03	0.42	<0.001	<0.001	<0.05	<0.1	6.0	14.5	36	0.1	2.1	1.5	145	0.93	1.1	5.2	13.5	6	0.2
1265864	Rock		0.35	0.03	0.35	<0.001	<0.001	<0.05	<0.1	4.5	11.4	30	0.2	1.5	1.1	121	0.64	1.1	11.6	11.2	5	0.2
1265865	Rock		0.39	0.04	0.37	<0.001	<0.001	<0.05	0.1	5.8	8.6	41	0.2	2.3	1.8	221	0.91	1.1	6.4	12.9	6	0.1
1266778	Rock Pulp		1.61	0.09	0.16	0.001	<0.001	0.05	4.1	32.8	5.5	51	0.3	23.7	9.0	404	2.60	7.8	658.0	1.0	40	0.2
1266779	Rock Pulp		1.62	0.08	0.16	0.001	<0.001	0.05	2.5	26.2	2.5	48	0.2	25.5	11.2	408	2.50	5.4	29.0	0.9	41	0.2

CERTIFICATE OF ANALYSIS

WHI13000245.2

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
		Analyte	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		Unit	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		MDL	0.1	0.1	2	0.01	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
1265818	Rock		0.3	<0.1	3	0.05	0.019	11	5	0.07	180	0.010	<20	0.35	0.040	0.20	<0.1	<0.01	3.3	<0.1	<0.05	2
1265819	Rock		0.6	<0.1	<2	0.02	0.023	50	3	0.03	158	0.004	<20	0.31	0.045	0.08	<0.1	0.05	5.2	<0.1	<0.05	<1
1265820	Rock		0.2	<0.1	5	0.05	0.023	12	5	0.11	295	0.012	<20	0.45	0.038	0.28	<0.1	0.01	2.1	0.1	<0.05	2
1265821	Rock		0.5	0.1	4	0.03	0.011	18	3	0.04	160	0.006	<20	0.34	0.035	0.13	0.1	0.03	3.5	<0.1	<0.05	1
1265822	Rock		0.3	<0.1	<2	0.01	0.011	46	2	0.02	198	0.002	<20	0.31	0.029	0.20	<0.1	0.07	1.5	<0.1	<0.05	1
1265823	Rock		0.2	<0.1	<2	<0.01	0.005	31	1	0.02	148	0.003	<20	0.23	0.031	0.18	<0.1	0.03	1.8	<0.1	<0.05	1
1265824	Rock		0.2	<0.1	<2	0.02	0.007	45	2	0.02	477	0.004	<20	0.29	0.021	0.13	<0.1	0.04	1.9	<0.1	<0.05	1
1265825	Rock		0.3	0.1	<2	0.02	0.005	19	<1	0.05	2228	0.001	<20	0.28	0.016	0.18	<0.1	0.04	1.6	<0.1	<0.05	1
1265826	Rock		0.2	<0.1	<2	0.02	0.004	6	1	0.04	216	0.002	<20	0.32	0.028	0.22	<0.1	0.01	1.3	<0.1	<0.05	<1
1265827	Rock		0.3	<0.1	<2	0.02	0.010	46	1	0.04	468	0.001	<20	0.33	0.018	0.17	<0.1	0.05	1.6	<0.1	<0.05	1
1265828	Rock		0.5	<0.1	2	0.04	0.026	83	2	0.07	557	0.004	<20	0.45	0.017	0.23	<0.1	0.20	2.8	0.1	<0.05	2
1265829	Rock		0.7	<0.1	4	0.03	0.018	69	3	0.10	356	0.012	<20	0.47	0.023	0.26	0.1	0.09	4.0	0.2	<0.05	2
1265830	Rock		0.8	<0.1	4	0.04	0.018	41	3	0.10	683	0.011	<20	0.52	0.018	0.30	<0.1	0.29	5.0	0.3	0.06	2
1265831	Rock		1.0	<0.1	<2	0.01	0.007	31	1	0.02	193	0.003	<20	0.21	0.026	0.20	<0.1	0.03	1.4	<0.1	0.09	<1
1265832	Rock		0.4	<0.1	2	0.02	0.007	33	2	0.03	232	0.006	<20	0.30	0.017	0.18	<0.1	0.03	1.8	<0.1	<0.05	1
1265833	Rock		0.4	<0.1	4	0.03	0.010	57	3	0.04	231	0.009	<20	0.36	0.025	0.16	<0.1	0.03	2.6	<0.1	<0.05	1
1265834	Rock		0.4	<0.1	3	0.03	0.010	50	2	0.04	220	0.008	<20	0.33	0.029	0.17	<0.1	0.01	2.3	<0.1	<0.05	1
1265835	Rock		0.3	<0.1	4	0.03	0.007	34	3	0.04	212	0.008	<20	0.29	0.026	0.15	<0.1	0.02	1.4	<0.1	<0.05	1
1265856	Rock		0.9	<0.1	5	0.20	0.021	39	4	0.08	320	0.031	<20	0.49	0.035	0.27	0.1	0.03	5.3	0.2	<0.05	3
1265857	Rock		0.8	<0.1	3	0.06	0.022	42	2	0.08	632	0.008	<20	0.35	0.033	0.23	<0.1	0.06	4.7	0.2	<0.05	2
1265858	Rock		0.8	<0.1	3	0.06	0.021	49	2	0.09	339	0.009	<20	0.39	0.025	0.25	<0.1	0.05	5.2	0.2	<0.05	2
1265859	Rock		0.6	<0.1	4	0.07	0.028	48	2	0.10	323	0.012	<20	0.48	0.022	0.28	<0.1	0.02	5.5	0.2	<0.05	3
1265860	Rock		1.0	<0.1	<2	0.04	0.018	32	2	0.06	316	0.005	<20	0.35	0.029	0.21	<0.1	0.12	4.0	0.1	<0.05	2
1265861	Rock		0.6	<0.1	3	0.05	0.020	22	2	0.08	412	0.006	<20	0.38	0.027	0.26	<0.1	0.05	3.6	0.2	<0.05	2
1265862	Rock		0.5	<0.1	2	0.05	0.022	33	2	0.08	350	0.008	<20	0.40	0.024	0.26	0.2	0.03	3.2	0.1	<0.05	2
1265863	Rock		0.4	<0.1	3	0.05	0.022	47	2	0.10	318	0.011	<20	0.49	0.031	0.31	<0.1	0.01	3.9	0.2	<0.05	2
1265864	Rock		0.3	<0.1	<2	0.04	0.018	46	<1	0.05	254	0.006	<20	0.33	0.030	0.24	<0.1	0.02	2.8	0.1	<0.05	1
1265865	Rock		0.4	<0.1	<2	0.05	0.019	24	2	0.08	508	0.008	<20	0.44	0.036	0.28	<0.1	0.04	3.1	0.2	<0.05	2
1266778	Rock Pulp		0.9	<0.1	63	0.86	0.055	4	32	0.76	101	0.123	<20	1.55	0.085	0.14	10.2	0.05	4.9	<0.1	<0.05	5
1266779	Rock Pulp		0.3	<0.1	63	0.85	0.060	4	31	0.81	105	0.122	<20	1.58	0.080	0.14	14.1	0.01	4.3	<0.1	<0.05	6



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Project: Sulphur
Report Date: September 24, 2013

Page: 3 of 6

Part: 4 of 4

CERTIFICATE OF ANALYSIS

WHI13000245.2

	Method Analyte Unit MDL	1DX Se ppm 0.5	1DX Te ppm 0.2
1265818	Rock	<0.5	<0.2
1265819	Rock	<0.5	<0.2
1265820	Rock	<0.5	<0.2
1265821	Rock	<0.5	<0.2
1265822	Rock	<0.5	<0.2
1265823	Rock	<0.5	<0.2
1265824	Rock	<0.5	<0.2
1265825	Rock	<0.5	<0.2
1265826	Rock	<0.5	<0.2
1265827	Rock	<0.5	<0.2
1265828	Rock	<0.5	<0.2
1265829	Rock	<0.5	<0.2
1265830	Rock	<0.5	<0.2
1265831	Rock	<0.5	<0.2
1265832	Rock	<0.5	<0.2
1265833	Rock	<0.5	<0.2
1265834	Rock	<0.5	<0.2
1265835	Rock	<0.5	<0.2
1265856	Rock	<0.5	<0.2
1265857	Rock	<0.5	<0.2
1265858	Rock	<0.5	<0.2
1265859	Rock	<0.5	<0.2
1265860	Rock	<0.5	<0.2
1265861	Rock	<0.5	<0.2
1265862	Rock	<0.5	<0.2
1265863	Rock	<0.5	<0.2
1265864	Rock	<0.5	<0.2
1265865	Rock	<0.5	<0.2
1266778	Rock Pulp	<0.5	<0.2
1266779	Rock Pulp	<0.5	<0.2

CERTIFICATE OF ANALYSIS

WHI13000245.2

	Method	WGHT	G6	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR
	Analyte	Wgt	Au	Ag	Mo	Cu	Pb	Zn	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr
	Unit	kg	ppm	gm/t	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	MDL	0.01	0.005	2	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001
1291724	Rock	0.76	0.007	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.73	<0.01	<0.001	<0.001	<0.001	<0.01	0.02	0.012	<0.001
1291725	Rock	0.68	0.010	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.85	<0.01	<0.001	<0.001	<0.001	<0.01	0.01	0.003	<0.001
1265751	Rock	0.60	0.042	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.70	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	0.005	<0.001
1265752	Rock	0.73	0.008	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.38	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	0.006	<0.001
1265753	Rock	0.72	0.018	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.27	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	0.004	<0.001
1265754	Rock	0.79	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.62	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	0.004	<0.001
1265755	Rock	0.66	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.27	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	0.003	<0.001
1265756	Rock	0.80	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.27	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	0.003	<0.001
1265757	Rock	0.51	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.26	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	0.003	<0.001
1265758	Rock	0.68	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.22	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	0.005	<0.001
1265759	Rock	0.69	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.01	0.33	<0.01	<0.001	<0.001	0.002	<0.01	0.01	0.004	<0.001
1265760	Rock	0.73	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.39	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	0.008	<0.001
1265761	Rock	0.60	0.006	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.28	<0.01	<0.001	<0.001	0.001	<0.01	<0.01	0.007	<0.001
1265762	Rock	0.57	0.007	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.34	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	0.004	<0.001
1265763	Rock	0.68	0.009	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.38	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	0.009	<0.001
1265764	Rock	0.62	0.013	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.54	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	0.006	<0.001
1265765	Rock	0.74	0.034	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.35	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	0.005	<0.001
1265766	Rock	0.75	0.025	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.32	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	0.005	<0.001
1265767	Rock	0.81	0.015	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.61	<0.01	<0.001	<0.001	0.001	<0.01	<0.01	0.010	<0.001
1265768	Rock	0.81	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.01	0.59	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	0.010	<0.001
1265769	Rock	0.78	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	0.57	<0.01	<0.001	<0.001	<0.001	<0.01	0.01	0.009	<0.001
1265770	Rock	0.89	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.40	<0.01	<0.001	<0.001	<0.001	<0.01	0.02	0.006	<0.001
1265771	Rock	0.85	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.34	<0.01	0.002	<0.001	<0.001	<0.01	0.01	0.005	<0.001
1265772	Rock	0.88	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.63	<0.01	<0.001	<0.001	<0.001	<0.01	0.01	0.007	<0.001
1265773	Rock	0.72	0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	0.86	<0.01	<0.001	<0.001	<0.001	<0.01	0.04	0.006	<0.001
1265774	Rock	0.70	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.31	<0.01	<0.001	<0.001	0.002	<0.01	0.02	0.004	<0.001
1265775	Rock	0.63	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.69	<0.01	<0.001	<0.001	<0.001	<0.01	0.04	0.014	<0.001
1265776	Rock	0.82	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.72	<0.01	<0.001	<0.001	<0.001	<0.01	0.02	0.008	<0.001
1265777	Rock	0.72	0.065	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.92	<0.01	<0.001	<0.001	<0.001	<0.01	0.02	0.012	<0.001
1265778	Rock	0.71	0.010	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	1.00	<0.01	<0.001	<0.001	<0.001	<0.01	0.02	0.011	<0.001

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Project: Sulphur
Report Date: September 24, 2013

Page: 4 of 6

Part: 2 of 4

CERTIFICATE OF ANALYSIS

WHI13000245.2

	Method	7AR	7AR	7AR	7AR	7AR	7AR	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Al	Na	K	W	Hg	S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd
	Unit	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm
	MDL	0.01	0.01	0.01	0.001	0.001	0.05	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
1291724	Rock	0.34	0.02	0.36	<0.001	<0.001	<0.05	0.3	7.0	12.0	34	0.2	1.3	1.8	76	0.70	7.7	6.6	13.4	5	0.2
1291725	Rock	0.46	0.04	0.36	<0.001	<0.001	<0.05	0.1	4.5	6.5	40	0.1	1.7	0.9	79	0.78	3.4	6.8	12.3	3	<0.1
1265751	Rock	0.30	0.03	0.21	<0.001	<0.001	<0.05	0.4	4.6	32.2	19	<0.1	0.8	0.5	28	0.66	4.7	27.3	14.1	2	0.2
1265752	Rock	0.34	0.03	0.29	<0.001	<0.001	<0.05	<0.1	2.8	11.4	12	0.2	0.5	0.3	44	0.37	1.4	4.3	11.9	2	<0.1
1265753	Rock	0.28	0.03	0.27	<0.001	<0.001	<0.05	0.1	2.8	18.7	11	<0.1	0.6	0.2	29	0.25	1.3	4.2	10.1	3	<0.1
1265754	Rock	0.30	0.04	0.19	<0.001	<0.001	<0.05	0.2	2.5	8.7	16	<0.1	1.0	0.2	45	0.53	1.4	6.4	13.2	2	<0.1
1265755	Rock	0.28	0.03	0.23	<0.001	<0.001	<0.05	0.1	1.0	7.0	7	<0.1	0.4	0.2	46	0.25	2.7	2.6	12.4	1	<0.1
1265756	Rock	0.33	0.03	0.29	<0.001	<0.001	<0.05	0.2	2.5	11.1	8	<0.1	0.9	0.2	71	0.25	1.1	3.2	12.6	2	<0.1
1265757	Rock	0.42	0.03	0.33	<0.001	<0.001	<0.05	0.1	1.7	8.3	6	<0.1	0.9	0.2	59	0.23	1.1	4.1	12.1	2	<0.1
1265758	Rock	0.31	0.03	0.29	<0.001	<0.001	<0.05	0.4	1.9	10.4	7	<0.1	0.7	0.3	70	0.20	0.7	2.0	12.2	2	<0.1
1265759	Rock	0.36	0.03	0.31	<0.001	<0.001	<0.05	0.2	2.3	10.8	9	0.1	1.3	0.3	125	0.33	0.8	3.0	11.9	2	<0.1
1265760	Rock	0.33	0.03	0.26	<0.001	<0.001	<0.05	0.4	4.2	11.1	9	<0.1	1.2	0.3	51	0.39	2.2	4.4	11.9	1	<0.1
1265761	Rock	0.34	0.03	0.27	<0.001	<0.001	<0.05	0.2	2.8	13.7	8	0.3	0.6	0.3	73	0.27	1.0	6.9	9.6	2	0.1
1265762	Rock	0.35	0.02	0.30	<0.001	<0.001	<0.05	0.1	3.2	7.5	10	0.2	0.7	0.3	59	0.30	1.6	5.6	10.2	1	0.1
1265763	Rock	0.39	0.03	0.30	<0.001	<0.001	<0.05	0.1	3.2	13.5	11	0.2	1.2	0.3	56	0.35	2.6	9.1	12.5	1	0.1
1265764	Rock	0.32	0.03	0.25	<0.001	<0.001	<0.05	<0.1	3.9	10.9	19	0.1	1.3	0.3	83	0.49	3.0	9.8	12.1	2	0.2
1265765	Rock	0.37	0.04	0.26	<0.001	<0.001	<0.05	<0.1	2.4	34.2	15	0.1	0.5	0.3	39	0.31	5.2	33.8	11.9	2	0.2
1265766	Rock	0.37	0.04	0.28	<0.001	<0.001	<0.05	0.1	1.6	10.0	9	0.2	0.9	0.3	49	0.30	1.8	588.7	9.8	2	<0.1
1265767	Rock	0.49	0.04	0.31	<0.001	<0.001	<0.05	4.2	7.3	75.2	19	0.2	1.4	0.7	84	0.59	5.0	8.2	12.4	3	<0.1
1265768	Rock	0.48	0.04	0.34	<0.001	<0.001	<0.05	0.6	3.6	20.6	27	0.1	1.6	1.3	145	0.57	2.2	3.6	13.6	3	<0.1
1265769	Rock	0.41	0.03	0.29	<0.001	<0.001	<0.05	0.3	3.7	27.1	19	<0.1	1.0	1.3	164	0.52	1.8	2.1	11.3	2	<0.1
1265770	Rock	0.43	0.03	0.36	<0.001	<0.001	<0.05	0.2	2.6	12.0	17	<0.1	0.7	0.4	77	0.38	0.6	1.7	11.9	4	<0.1
1265771	Rock	0.40	0.04	0.35	<0.001	<0.001	<0.05	0.2	1.4	17.0	25	<0.1	0.7	0.5	44	0.31	<0.5	2.3	10.3	18	0.1
1265772	Rock	0.40	0.04	0.32	<0.001	<0.001	<0.05	0.2	1.9	9.3	20	<0.1	1.2	0.8	96	0.61	1.9	1.5	13.3	3	0.2
1265773	Rock	0.59	0.02	0.29	<0.001	<0.001	<0.05	0.3	4.5	20.5	54	<0.1	1.7	1.3	229	0.80	4.8	5.8	13.7	8	<0.1
1265774	Rock	0.48	0.01	0.39	<0.001	<0.001	<0.05	0.1	1.6	4.4	9	<0.1	0.5	0.2	20	0.28	0.7	1.5	11.9	2	<0.1
1265775	Rock	0.62	0.02	0.38	<0.001	<0.001	<0.05	0.3	3.7	4.7	39	<0.1	1.4	0.8	71	0.66	1.7	6.2	12.4	5	0.1
1265776	Rock	0.54	0.04	0.42	<0.001	<0.001	<0.05	0.4	4.0	6.7	28	<0.1	1.5	1.1	95	0.72	1.6	3.1	13.8	4	<0.1
1265777	Rock	0.42	0.04	0.26	<0.001	<0.001	<0.05	0.3	5.4	13.2	21	0.1	0.7	0.8	67	0.89	20.4	51.0	13.1	4	<0.1
1265778	Rock	0.49	0.04	0.40	<0.001	<0.001	<0.05	0.5	4.4	15.9	29	<0.1	1.0	1.4	166	1.00	5.0	20.2	13.0	4	0.1

CERTIFICATE OF ANALYSIS

WHI13000245.2

Method	Analyte	Unit	MDL	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01	1DX P % 0.001	1DX La ppm 1	1DX Cr ppm 1	1DX Mg % 0.01	1DX Ba ppm 1	1DX Ti % 0.001	1DX B ppm 20	1DX Al % 0.01	1DX Na % 0.001	1DX K % 0.01	1DX W ppm 0.1	1DX Hg ppm 0.01	1DX Sc ppm 0.1	1DX Ti ppm 0.1	1DX S % 0.05	1DX Ga ppm 1
1291724	Rock			0.4	<0.1	<2	0.02	0.016	45	<1	0.02	170	0.001	<20	0.29	0.019	0.20	<0.1	0.03	2.4	<0.1	<0.05	1
1291725	Rock			0.2	<0.1	<2	0.01	0.006	18	2	0.11	194	0.014	<20	0.49	0.036	0.28	<0.1	0.02	3.2	0.2	<0.05	2
1265751	Rock			0.6	<0.1	<2	<0.01	0.007	26	<1	0.01	88	0.002	<20	0.27	0.027	0.14	<0.1	0.03	1.7	<0.1	<0.05	1
1265752	Rock			0.2	0.2	<2	<0.01	0.007	45	<1	0.02	116	0.002	<20	0.31	0.031	0.20	<0.1	0.01	1.4	0.1	<0.05	1
1265753	Rock			0.2	<0.1	<2	<0.01	0.005	29	<1	0.02	103	0.002	<20	0.24	0.027	0.19	<0.1	<0.01	1.3	<0.1	<0.05	<1
1265754	Rock			0.2	<0.1	<2	<0.01	0.006	38	<1	0.02	89	0.004	<20	0.26	0.034	0.14	<0.1	<0.01	1.7	<0.1	<0.05	1
1265755	Rock			0.2	<0.1	<2	<0.01	0.005	39	<1	0.02	82	0.002	<20	0.22	0.026	0.16	<0.1	<0.01	1.4	<0.1	<0.05	<1
1265756	Rock			<0.1	<0.1	<2	<0.01	0.005	42	<1	0.03	110	0.002	<20	0.27	0.025	0.20	<0.1	0.01	1.3	<0.1	<0.05	<1
1265757	Rock			0.1	<0.1	<2	<0.01	0.003	19	2	0.03	100	0.002	<20	0.27	0.022	0.19	<0.1	<0.01	1.1	<0.1	<0.05	<1
1265758	Rock			0.1	<0.1	<2	<0.01	0.004	34	3	0.02	92	0.001	<20	0.21	0.019	0.18	<0.1	<0.01	1.2	<0.1	<0.05	<1
1265759	Rock			0.1	<0.1	<2	0.01	0.003	20	2	0.03	121	0.002	<20	0.28	0.019	0.21	<0.1	<0.01	2.1	<0.1	<0.05	<1
1265760	Rock			0.2	<0.1	<2	<0.01	0.007	41	2	0.02	83	0.001	<20	0.25	0.023	0.17	<0.1	<0.01	1.2	<0.1	<0.05	<1
1265761	Rock			0.3	<0.1	<2	<0.01	0.006	41	1	0.02	107	0.002	<20	0.21	0.018	0.17	<0.1	<0.01	1.2	<0.1	<0.05	<1
1265762	Rock			0.1	<0.1	<2	<0.01	0.005	20	<1	0.02	95	0.001	<20	0.20	0.016	0.17	<0.1	<0.01	1.0	<0.1	<0.05	<1
1265763	Rock			0.2	<0.1	<2	<0.01	0.008	46	1	0.01	107	0.001	<20	0.23	0.019	0.17	<0.1	<0.01	1.7	<0.1	<0.05	<1
1265764	Rock			0.2	0.2	<2	<0.01	0.005	34	<1	0.01	79	0.001	<20	0.19	0.022	0.14	<0.1	0.02	1.4	0.1	<0.05	<1
1265765	Rock			0.2	<0.1	<2	<0.01	0.005	30	<1	0.01	92	0.001	<20	0.25	0.027	0.15	<0.1	0.03	1.2	<0.1	<0.05	<1
1265766	Rock			0.1	<0.1	<2	<0.01	0.003	23	<1	0.01	95	0.001	<20	0.23	0.025	0.17	<0.1	<0.01	1.2	<0.1	<0.05	<1
1265767	Rock			0.6	0.1	<2	0.01	0.011	45	2	0.03	187	0.002	<20	0.35	0.027	0.19	<0.1	<0.01	1.6	<0.1	<0.05	2
1265768	Rock			0.2	0.3	<2	0.01	0.010	35	2	0.08	172	0.005	<20	0.34	0.031	0.24	<0.1	<0.01	1.7	0.1	<0.05	2
1265769	Rock			0.2	<0.1	<2	0.02	0.008	38	1	0.05	181	0.003	<20	0.29	0.023	0.18	<0.1	<0.01	1.7	0.1	<0.05	1
1265770	Rock			<0.1	<0.1	<2	0.02	0.005	28	1	0.04	200	0.001	<20	0.28	0.022	0.22	<0.1	<0.01	1.1	<0.1	<0.05	<1
1265771	Rock			<0.1	<0.1	<2	0.02	0.004	25	<1	0.04	1143	0.002	<20	0.26	0.030	0.22	<0.1	<0.01	1.1	<0.1	<0.05	<1
1265772	Rock			0.3	<0.1	<2	0.01	0.008	22	2	0.07	163	0.004	<20	0.32	0.027	0.21	<0.1	<0.01	2.0	0.1	<0.05	1
1265773	Rock			0.2	<0.1	<2	0.05	0.007	44	1	0.07	312	0.001	<20	0.43	0.014	0.18	<0.1	<0.01	2.7	<0.1	<0.05	1
1265774	Rock			<0.1	<0.1	<2	0.02	0.004	24	1	0.03	158	<0.001	<20	0.26	0.009	0.21	<0.1	<0.01	1.0	<0.1	<0.05	<1
1265775	Rock			<0.1	<0.1	2	0.04	0.014	106	2	0.09	214	0.004	<20	0.49	0.013	0.24	<0.1	<0.01	2.5	0.1	<0.05	2
1265776	Rock			0.1	<0.1	2	0.03	0.010	34	3	0.10	186	0.011	<20	0.48	0.035	0.31	<0.1	<0.01	3.1	0.2	<0.05	2
1265777	Rock			0.3	<0.1	<2	0.02	0.013	48	1	0.03	120	0.003	<20	0.32	0.034	0.15	<0.1	<0.01	3.0	<0.1	<0.05	1
1265778	Rock			0.2	<0.1	2	0.02	0.012	42	2	0.06	170	0.011	<20	0.36	0.032	0.24	<0.1	<0.01	2.9	0.2	<0.05	2



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Project: Sulphur
Report Date: September 24, 2013

Page: 4 of 6

Part: 4 of 4

CERTIFICATE OF ANALYSIS

WHI13000245.2

	Method Analyte Unit MDL	1DX Se ppm 0.5	1DX Te ppm 0.2
1291724	Rock	<0.5	<0.2
1291725	Rock	<0.5	<0.2
1265751	Rock	<0.5	<0.2
1265752	Rock	<0.5	<0.2
1265753	Rock	<0.5	<0.2
1265754	Rock	<0.5	<0.2
1265755	Rock	<0.5	<0.2
1265756	Rock	<0.5	<0.2
1265757	Rock	<0.5	<0.2
1265758	Rock	<0.5	<0.2
1265759	Rock	<0.5	<0.2
1265760	Rock	<0.5	<0.2
1265761	Rock	<0.5	<0.2
1265762	Rock	<0.5	<0.2
1265763	Rock	<0.5	<0.2
1265764	Rock	<0.5	<0.2
1265765	Rock	<0.5	<0.2
1265766	Rock	<0.5	<0.2
1265767	Rock	<0.5	<0.2
1265768	Rock	<0.5	<0.2
1265769	Rock	<0.5	<0.2
1265770	Rock	<0.5	<0.2
1265771	Rock	<0.5	<0.2
1265772	Rock	<0.5	<0.2
1265773	Rock	<0.5	<0.2
1265774	Rock	<0.5	<0.2
1265775	Rock	<0.5	<0.2
1265776	Rock	<0.5	<0.2
1265777	Rock	<0.5	<0.2
1265778	Rock	<0.5	<0.2

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Page: 5 of 6

Part: 1 of 4

CERTIFICATE OF ANALYSIS

WHI13000245.2

Method Analyte Unit MDL		WGHT	G6	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR
		Wgt	Au	Ag	Mo	Cu	Pb	Zn	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg
		kg	ppm	gm/t	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		0.01	0.005	2	0.001	0.001	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001
1265779	Rock	0.63	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	0.89	<0.01	<0.001	<0.001	<0.001	<0.01	0.03	0.013	<0.001	0.11
1265780	Rock	0.66	0.008	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	0.96	<0.01	<0.001	<0.001	<0.001	<0.01	0.03	0.014	<0.001	0.11
1265781	Rock	0.64	0.019	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.01	1.21	<0.01	<0.001	<0.001	<0.001	<0.01	0.04	0.014	<0.001	0.12
1265782	Rock	0.68	0.011	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.01	0.85	<0.01	<0.001	<0.001	<0.001	<0.01	0.05	0.017	<0.001	0.08
1265783	Rock	0.69	0.163	<2	<0.001	0.001	<0.01	0.01	<0.001	<0.001	0.02	1.08	<0.01	<0.001	<0.001	0.002	<0.01	0.04	0.015	<0.001	0.04
1265784	Rock	0.64	0.062	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.03	1.15	<0.01	<0.001	<0.001	<0.001	<0.01	0.04	0.017	<0.001	0.04
1265785	Rock	0.68	0.011	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.05	1.16	<0.01	<0.001	<0.001	<0.001	<0.01	0.03	0.011	<0.001	0.11
1265786	Rock	0.61	0.033	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.08	2.17	<0.01	<0.001	<0.001	0.001	<0.01	0.08	0.023	<0.001	0.12
1265787	Rock	0.72	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	1.16	<0.01	<0.001	<0.001	<0.001	<0.01	0.08	0.019	<0.001	0.14
1265788	Rock	0.82	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.03	1.17	<0.01	<0.001	<0.001	<0.001	<0.01	0.08	0.022	<0.001	0.15
1265789	Rock	0.73	0.031	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	1.07	<0.01	<0.001	<0.001	<0.001	<0.01	0.07	0.014	<0.001	0.10
1265790	Rock Pulp	0.06	0.750	<2	<0.001	0.003	<0.01	<0.01	0.002	<0.001	0.04	2.51	<0.01	0.005	<0.001	<0.001	<0.01	0.95	0.053	0.003	0.77
1265791	Rock Pulp	0.05	<0.005	<2	<0.001	0.002	<0.01	<0.01	0.002	0.001	0.04	2.35	<0.01	0.004	<0.001	<0.001	<0.01	0.94	0.057	0.003	0.82
1265895	Rock	0.94	0.013	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.54	<0.01	<0.001	<0.001	<0.001	<0.01	0.03	0.005	<0.001	0.04
1265896	Rock	0.92	0.008	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.38	<0.01	0.001	<0.001	<0.001	<0.01	0.04	0.006	<0.001	0.05
1265897	Rock	0.96	0.007	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.30	<0.01	<0.001	<0.001	<0.001	<0.01	0.01	0.004	<0.001	0.04
1265898	Rock	0.94	0.016	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.60	<0.01	<0.001	<0.001	<0.001	<0.01	0.02	0.011	<0.001	0.05
1265899	Rock	0.99	0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.32	<0.01	<0.001	<0.001	<0.001	<0.01	0.01	0.003	<0.001	0.05
1265900	Rock	0.83	0.068	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.55	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	0.002	<0.001	0.03
1265901	Rock	0.85	0.101	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.55	<0.01	<0.001	<0.001	<0.001	<0.01	0.01	0.004	<0.001	0.04
1265902	Rock	0.77	0.072	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.05	1.04	<0.01	<0.001	<0.001	<0.001	<0.01	0.06	0.013	<0.001	0.08
1265903	Rock	0.86	0.009	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.03	0.98	<0.01	<0.001	<0.001	<0.001	<0.01	0.09	0.016	<0.001	0.08
1265904	Rock	0.78	0.030	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.06	1.49	<0.01	<0.001	<0.001	<0.001	<0.01	0.09	0.023	0.001	0.12
1265905	Rock	0.76	0.006	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.01	0.91	<0.01	<0.001	<0.001	<0.001	<0.01	0.04	0.009	<0.001	0.09
1265906	Rock	0.99	0.029	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	0.85	<0.01	<0.001	<0.001	<0.001	<0.01	0.04	0.013	0.001	0.07
1265907	Rock	1.02	0.062	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.03	1.05	<0.01	<0.001	<0.001	<0.001	<0.01	0.07	0.018	<0.001	0.12
1265908	Rock	0.93	0.010	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.01	0.98	<0.01	<0.001	<0.001	<0.001	<0.01	0.05	0.017	<0.001	0.12
1265909	Rock	0.81	0.078	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.03	1.24	<0.01	<0.001	<0.001	<0.001	<0.01	0.04	0.012	<0.001	0.09
1265910	Rock	0.53	0.025	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	1.46	<0.01	<0.001	<0.001	<0.001	<0.01	0.07	0.018	0.001	0.16
1265911	Rock	0.98	0.014	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.03	1.13	<0.01	<0.001	<0.001	<0.001	<0.01	0.03	0.009	<0.001	0.14

CERTIFICATE OF ANALYSIS

WHI13000245.2

	Method	7AR	7AR	7AR	7AR	7AR	7AR	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Al	Na	K	W	Hg	S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd
	Unit	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm
	MDL	0.01	0.01	0.01	0.001	0.001	0.05	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
1265779	Rock	0.52	0.03	0.43	<0.001	<0.001	<0.05	0.6	4.1	17.9	49	0.1	1.2	1.3	182	0.88	1.9	0.9	13.1	4	<0.1
1265780	Rock	0.58	0.05	0.37	<0.001	<0.001	<0.05	0.5	4.6	21.0	39	<0.1	2.4	1.6	234	0.97	3.3	5.2	12.3	5	0.2
1265781	Rock	0.57	0.03	0.36	<0.001	<0.001	<0.05	0.6	3.0	9.8	32	<0.1	1.9	1.4	105	1.14	5.8	49.4	11.7	4	0.2
1265782	Rock	0.53	0.04	0.29	<0.001	<0.001	<0.05	0.3	3.6	15.6	41	<0.1	2.4	1.3	138	0.82	3.6	6.1	12.2	6	0.2
1265783	Rock	0.50	0.02	0.29	<0.001	<0.001	<0.05	0.3	8.2	63.0	151	1.1	2.5	1.1	191	1.03	75.6	208.9	11.5	5	0.5
1265784	Rock	0.46	0.03	0.24	<0.001	<0.001	<0.05	0.6	7.2	88.2	57	0.4	2.9	1.8	296	1.11	37.0	65.6	12.1	6	0.6
1265785	Rock	0.55	0.03	0.34	<0.001	<0.001	<0.05	0.4	5.6	27.7	53	0.2	3.0	2.4	497	1.17	11.5	17.1	12.0	5	0.4
1265786	Rock	0.96	0.02	0.35	<0.001	<0.001	<0.05	1.2	5.1	21.1	45	0.2	4.6	5.8	797	2.17	18.7	44.8	12.8	6	0.4
1265787	Rock	0.58	0.03	0.33	<0.001	<0.001	<0.05	0.3	3.5	10.2	35	<0.1	2.7	1.8	170	1.13	2.2	5.8	10.2	6	<0.1
1265788	Rock	0.56	0.03	0.40	<0.001	<0.001	<0.05	0.2	5.9	10.4	41	0.1	2.9	2.0	279	1.13	1.5	1.6	9.4	7	0.1
1265789	Rock	0.57	0.04	0.35	<0.001	<0.001	<0.05	0.3	4.7	9.8	31	<0.1	3.8	1.9	184	1.09	35.0	23.2	13.4	8	<0.1
1265790	Rock Pulp	1.69	0.09	0.16	<0.001	<0.001	<0.05	4.2	31.6	5.3	51	0.2	22.9	8.8	394	2.50	6.7	591.3	0.9	38	0.1
1265791	Rock Pulp	1.71	0.09	0.15	<0.001	<0.001	<0.05	2.3	21.7	2.3	43	0.2	21.1	10.5	393	2.37	4.8	2.7	0.8	36	0.1
1265895	Rock	0.56	0.10	0.42	<0.001	<0.001	<0.05	0.2	6.2	31.7	11	0.1	1.0	0.4	86	0.44	11.4	9.9	14.2	4	<0.1
1265896	Rock	0.49	0.07	0.37	<0.001	<0.001	<0.05	0.2	7.1	16.6	7	0.3	0.8	0.3	38	0.34	3.1	6.2	11.8	12	<0.1
1265897	Rock	0.41	0.05	0.34	<0.001	<0.001	<0.05	0.2	1.7	13.0	7	<0.1	0.7	0.2	26	0.27	1.4	2.8	12.8	7	<0.1
1265898	Rock	0.51	0.04	0.37	<0.001	<0.001	<0.05	1.0	7.9	43.1	13	<0.1	1.3	0.3	47	0.58	7.6	13.2	18.7	7	<0.1
1265899	Rock	0.47	0.06	0.38	<0.001	<0.001	<0.05	0.2	1.4	9.9	6	<0.1	0.8	0.2	29	0.29	2.6	4.4	11.8	8	<0.1
1265900	Rock	0.45	0.09	0.31	<0.001	<0.001	<0.05	0.2	1.9	11.5	7	<0.1	0.9	0.3	34	0.43	3.7	43.7	11.0	5	<0.1
1265901	Rock	0.55	0.10	0.35	<0.001	<0.001	<0.05	0.1	2.3	11.0	8	<0.1	2.2	0.4	41	0.46	5.3	100.5	12.0	7	<0.1
1265902	Rock	0.59	0.11	0.30	<0.001	<0.001	<0.05	0.8	6.3	14.7	26	0.2	1.9	1.6	536	1.06	21.4	67.9	14.1	6	0.3
1265903	Rock	0.66	0.06	0.43	<0.001	<0.001	<0.05	0.3	6.6	17.1	22	0.2	1.6	1.9	281	0.95	2.2	6.3	11.8	7	0.2
1265904	Rock	0.85	0.05	0.43	<0.001	<0.001	<0.05	0.6	7.3	15.0	44	0.2	4.7	2.7	631	1.56	5.4	33.9	13.1	10	0.3
1265905	Rock	0.68	0.11	0.47	<0.001	<0.001	<0.05	0.4	3.4	12.2	29	<0.1	2.1	1.1	141	0.90	2.4	3.3	12.2	4	<0.1
1265906	Rock	0.53	0.11	0.35	<0.001	<0.001	<0.05	0.5	3.2	8.1	24	0.1	2.5	1.4	224	0.85	3.8	23.7	11.2	6	<0.1
1265907	Rock	0.68	0.06	0.30	<0.001	<0.001	<0.05	0.6	10.1	10.7	30	0.2	3.1	2.4	265	1.05	11.8	92.1	11.6	8	0.2
1265908	Rock	0.67	0.10	0.46	<0.001	<0.001	<0.05	0.3	3.7	9.0	26	<0.1	2.3	1.7	143	0.97	9.0	8.3	11.6	4	0.1
1265909	Rock	0.60	0.10	0.36	<0.001	<0.001	<0.05	0.7	5.2	13.6	37	<0.1	3.0	2.7	325	1.30	26.9	80.2	11.1	6	0.1
1265910	Rock	0.77	0.08	0.44	<0.001	<0.001	<0.05	0.5	5.5	16.4	49	0.1	4.0	2.5	241	1.44	6.4	375.4	10.3	8	<0.1
1265911	Rock	0.69	0.09	0.47	<0.001	<0.001	<0.05	0.8	5.3	16.0	35	<0.1	2.8	1.9	297	1.15	4.8	3.6	11.7	6	0.1

CERTIFICATE OF ANALYSIS

WHI13000245.2

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
		Analyte	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
		Unit	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
		MDL	0.1	0.1	2	0.01	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
1265779	Rock		<0.1	0.2	3	0.04	0.014	38	3	0.11	236	0.019	<20	0.44	0.027	0.29	<0.1	<0.01	3.0	0.2	<0.05	3
1265780	Rock		0.1	<0.1	5	0.03	0.014	51	3	0.12	183	0.018	<20	0.49	0.037	0.26	<0.1	<0.01	3.8	0.2	<0.05	2
1265781	Rock		<0.1	<0.1	3	0.04	0.017	26	2	0.12	171	0.010	<20	0.47	0.027	0.25	<0.1	<0.01	3.9	0.2	<0.05	2
1265782	Rock		0.2	<0.1	3	0.06	0.019	47	3	0.09	137	0.008	<20	0.42	0.028	0.18	<0.1	<0.01	3.6	0.1	<0.05	2
1265783	Rock		0.6	<0.1	<2	0.04	0.020	39	2	0.04	128	0.002	<20	0.35	0.016	0.16	0.1	0.05	3.6	<0.1	<0.05	1
1265784	Rock		0.7	<0.1	3	0.04	0.018	41	2	0.04	166	0.004	<20	0.36	0.026	0.14	<0.1	0.03	3.6	<0.1	<0.05	1
1265785	Rock		0.2	<0.1	4	0.04	0.011	49	3	0.11	227	0.013	<20	0.46	0.025	0.24	<0.1	0.02	4.4	0.1	<0.05	2
1265786	Rock		0.3	<0.1	4	0.08	0.023	55	4	0.10	298	0.004	<20	0.70	0.014	0.22	<0.1	0.04	5.0	0.1	<0.05	3
1265787	Rock		0.2	<0.1	6	0.08	0.021	22	4	0.14	166	0.012	<20	0.47	0.021	0.22	<0.1	<0.01	4.6	0.2	<0.05	3
1265788	Rock		0.2	0.1	4	0.09	0.024	31	2	0.15	197	0.013	<20	0.46	0.023	0.28	<0.1	<0.01	4.5	0.2	<0.05	2
1265789	Rock		0.2	<0.1	6	0.07	0.017	44	4	0.10	194	0.010	<20	0.45	0.031	0.20	<0.1	<0.01	3.7	0.1	<0.05	2
1265790	Rock Pulp		0.8	0.1	59	0.80	0.055	4	31	0.72	98	0.116	<20	1.50	0.080	0.13	10.1	0.04	4.8	<0.1	<0.05	5
1265791	Rock Pulp		0.3	<0.1	58	0.77	0.062	4	28	0.76	99	0.117	<20	1.53	0.073	0.13	11.5	0.03	5.0	<0.1	<0.05	5
1265895	Rock		0.2	<0.1	<2	0.03	0.006	62	4	0.03	631	0.004	<20	0.26	0.034	0.20	<0.1	<0.01	1.7	<0.1	<0.05	<1
1265896	Rock		0.2	<0.1	<2	0.04	0.006	47	4	0.03	1334	0.002	<20	0.26	0.027	0.19	<0.1	<0.01	0.9	<0.1	<0.05	<1
1265897	Rock		0.2	<0.1	<2	0.02	0.006	47	4	0.03	1131	0.002	<20	0.24	0.025	0.19	<0.1	<0.01	1.1	<0.1	<0.05	<1
1265898	Rock		0.5	<0.1	<2	0.02	0.013	90	3	0.03	534	0.001	<20	0.32	0.018	0.19	<0.1	0.01	1.6	<0.1	<0.05	1
1265899	Rock		0.1	<0.1	<2	<0.01	0.005	36	3	0.03	1136	0.001	<20	0.25	0.026	0.20	<0.1	<0.01	1.0	<0.1	<0.05	<1
1265900	Rock		0.2	<0.1	<2	<0.01	0.004	32	3	0.02	731	0.003	<20	0.24	0.035	0.16	<0.1	<0.01	0.9	<0.1	<0.05	<1
1265901	Rock		0.2	<0.1	<2	0.01	0.005	40	6	0.02	1254	0.003	<20	0.26	0.036	0.17	<0.1	<0.01	1.0	<0.1	<0.05	<1
1265902	Rock		0.3	0.1	2	0.06	0.015	62	7	0.08	421	0.005	<20	0.47	0.048	0.17	<0.1	<0.01	3.7	<0.1	<0.05	3
1265903	Rock		0.3	<0.1	4	0.08	0.018	40	6	0.07	352	0.005	<20	0.46	0.026	0.23	<0.1	<0.01	3.3	<0.1	<0.05	2
1265904	Rock		0.2	<0.1	3	0.09	0.025	58	5	0.13	552	0.004	<20	0.66	0.027	0.23	<0.1	0.02	5.7	<0.1	<0.05	3
1265905	Rock		0.2	<0.1	3	0.03	0.010	25	6	0.09	221	0.010	<20	0.44	0.043	0.26	<0.1	<0.01	2.5	0.1	<0.05	3
1265906	Rock		0.2	<0.1	<2	0.04	0.014	39	7	0.07	316	0.004	<20	0.40	0.047	0.20	<0.1	0.02	2.9	<0.1	<0.05	2
1265907	Rock		0.2	0.1	2	0.08	0.019	49	4	0.11	337	0.003	<20	0.49	0.030	0.17	0.1	<0.01	4.0	<0.1	<0.05	2
1265908	Rock		0.3	<0.1	3	0.05	0.018	26	6	0.12	222	0.012	<20	0.45	0.038	0.30	<0.1	<0.01	3.0	0.2	<0.05	2
1265909	Rock		0.2	<0.1	3	0.04	0.016	37	6	0.09	324	0.010	<20	0.49	0.047	0.22	<0.1	<0.01	4.3	0.1	<0.05	2
1265910	Rock		0.2	<0.1	5	0.06	0.018	33	6	0.16	299	0.015	<20	0.57	0.034	0.28	<0.1	0.01	3.4	0.1	<0.05	3
1265911	Rock		0.2	<0.1	3	0.04	0.013	29	6	0.15	221	0.014	<20	0.50	0.040	0.30	<0.1	<0.01	3.1	0.1	<0.05	3



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Project: Sulphur
Report Date: September 24, 2013

Page: 5 of 6

Part: 4 of 4

CERTIFICATE OF ANALYSIS

WHI13000245.2

	Method Analyte Unit MDL	1DX Se ppm 0.5	1DX Te ppm 0.2
1265779	Rock	<0.5	<0.2
1265780	Rock	<0.5	<0.2
1265781	Rock	<0.5	<0.2
1265782	Rock	<0.5	<0.2
1265783	Rock	<0.5	<0.2
1265784	Rock	<0.5	<0.2
1265785	Rock	<0.5	<0.2
1265786	Rock	<0.5	<0.2
1265787	Rock	<0.5	<0.2
1265788	Rock	<0.5	<0.2
1265789	Rock	<0.5	<0.2
1265790	Rock Pulp	<0.5	<0.2
1265791	Rock Pulp	<0.5	<0.2
1265895	Rock	<0.5	<0.2
1265896	Rock	<0.5	<0.2
1265897	Rock	<0.5	<0.2
1265898	Rock	0.9	<0.2
1265899	Rock	0.6	<0.2
1265900	Rock	<0.5	<0.2
1265901	Rock	<0.5	<0.2
1265902	Rock	<0.5	<0.2
1265903	Rock	<0.5	<0.2
1265904	Rock	<0.5	<0.2
1265905	Rock	<0.5	<0.2
1265906	Rock	<0.5	<0.2
1265907	Rock	<0.5	<0.2
1265908	Rock	<0.5	<0.2
1265909	Rock	<0.5	<0.2
1265910	Rock	<0.5	<0.2
1265911	Rock	<0.5	<0.2

CERTIFICATE OF ANALYSIS

WHI13000245.2

	Method	WGHT	G6	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR
	Analyte	Wgt	Au	Ag	Mo	Cu	Pb	Zn	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr
	Unit	kg	ppm	gm/t	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	MDL	0.01	0.005	2	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001
1265912	Rock	0.87	0.110	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.06	1.79	<0.01	<0.001	<0.001	<0.001	<0.01	0.05	0.014	<0.001
1265913	Rock	1.10	0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	1.02	<0.01	<0.001	<0.001	<0.001	<0.01	0.05	0.011	<0.001
1265914	Rock	0.86	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.01	1.06	<0.01	<0.001	<0.001	<0.001	<0.01	0.06	0.016	<0.001
1265915	Rock	0.78	0.034	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.01	0.98	<0.01	<0.001	<0.001	<0.001	<0.01	0.05	0.016	<0.001
1265916	Rock	0.97	0.011	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.01	0.77	<0.01	<0.001	<0.001	<0.001	<0.01	0.04	0.015	<0.001
1265917	Rock	0.45	0.064	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	1.09	<0.01	<0.001	<0.001	<0.001	<0.01	0.03	0.011	<0.001
1265918	Rock	1.20	0.015	<2	<0.001	0.001	<0.01	<0.01	<0.001	<0.001	0.01	0.90	<0.01	<0.001	<0.001	<0.001	<0.01	0.04	0.014	<0.001
1265919	Rock	0.89	0.007	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	0.74	<0.01	<0.001	<0.001	<0.001	<0.01	0.03	0.009	<0.001
1265920	Rock	0.86	0.020	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.01	0.89	<0.01	<0.001	<0.001	<0.001	<0.01	0.03	0.006	<0.001
1265921	Rock	0.84	0.031	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.01	1.09	<0.01	<0.001	<0.001	<0.001	<0.01	0.04	0.008	<0.001
1265922	Rock	0.67	0.047	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	1.18	<0.01	<0.001	<0.001	<0.001	<0.01	0.07	0.013	<0.001
1265923	Rock	0.56	0.024	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.01	1.03	<0.01	<0.001	<0.001	<0.001	<0.01	0.06	0.011	0.001
1265924	Rock	0.61	0.044	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	1.00	<0.01	<0.001	<0.001	<0.001	<0.01	0.04	0.010	<0.001
1265925	Rock	0.70	0.016	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.01	0.97	<0.01	<0.001	<0.001	<0.001	<0.01	0.05	0.010	<0.001
1265926	Rock	1.00	0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	1.19	<0.01	<0.001	<0.001	<0.001	<0.01	0.07	0.017	<0.001
1265927	Rock	0.95	0.008	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.01	0.93	<0.01	<0.001	<0.001	<0.001	<0.01	0.09	0.012	<0.001
1265928	Rock	1.12	0.006	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	1.07	<0.01	<0.001	<0.001	<0.001	<0.01	0.07	0.014	<0.001
1265929	Rock	0.66	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.01	0.72	<0.01	0.001	<0.001	<0.001	<0.01	0.10	0.015	<0.001
1265838	Rock	0.91	0.015	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.51	<0.01	<0.001	<0.001	<0.001	<0.01	0.02	0.006	<0.001

CERTIFICATE OF ANALYSIS

WHI13000245.2

Method Analyte Unit MDL		7AR	7AR	7AR	7AR	7AR	7AR	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Al	Na	K	W	Hg	S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd
		%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm
		0.01	0.01	0.01	0.001	0.001	0.05	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1
1265912	Rock	0.54	0.08	0.23	<0.001	<0.001	<0.05	1.2	4.7	16.4	38	0.2	3.3	3.0	568	1.74	37.8	98.4	12.1	6	0.2
1265913	Rock	0.65	0.10	0.47	<0.001	<0.001	<0.05	0.5	2.3	8.7	27	<0.1	2.5	1.3	201	1.03	6.9	11.1	13.3	5	<0.1
1265914	Rock	0.71	0.08	0.45	<0.001	<0.001	<0.05	0.2	4.1	12.3	30	<0.1	2.1	1.6	148	1.07	3.5	1.8	10.6	4	<0.1
1265915	Rock	0.49	0.04	0.41	<0.001	<0.001	<0.05	0.5	5.4	10.9	27	<0.1	2.7	1.3	113	0.97	12.1	27.7	12.2	5	0.2
1265916	Rock	0.51	0.06	0.44	<0.001	<0.001	<0.05	0.7	3.9	28.0	30	0.1	1.4	1.1	121	0.75	6.2	7.3	13.7	5	<0.1
1265917	Rock	0.47	0.09	0.34	<0.001	<0.001	<0.05	0.8	4.3	15.8	24	0.2	2.0	1.9	204	1.12	26.9	56.2	11.7	4	0.1
1265918	Rock	0.58	0.08	0.42	<0.001	<0.001	<0.05	0.4	12.9	16.5	22	1.4	1.6	1.6	158	0.92	5.2	5.9	12.8	5	<0.1
1265919	Rock	0.43	0.08	0.31	<0.001	<0.001	<0.05	0.3	4.5	13.7	19	0.1	1.6	0.9	187	0.77	2.7	5.5	13.2	4	0.2
1265920	Rock	0.42	0.09	0.25	<0.001	<0.001	<0.05	0.4	4.3	12.2	21	<0.1	1.5	0.6	123	0.89	7.2	22.9	14.2	4	<0.1
1265921	Rock	0.62	0.10	0.33	<0.001	<0.001	<0.05	0.6	5.0	10.6	25	<0.1	3.4	1.5	143	1.08	14.3	33.8	9.9	5	<0.1
1265922	Rock	0.69	0.09	0.31	<0.001	<0.001	<0.05	0.7	6.8	11.9	30	0.2	5.0	2.9	190	1.15	21.7	115.7	10.7	7	<0.1
1265923	Rock	0.63	0.11	0.33	<0.001	<0.001	<0.05	0.8	5.0	10.2	27	<0.1	3.8	1.9	145	1.01	13.7	29.4	11.0	6	<0.1
1265924	Rock	0.59	0.10	0.37	<0.001	<0.001	<0.05	0.5	5.7	14.0	27	0.1	3.3	1.4	165	0.96	18.3	36.6	12.1	5	0.1
1265925	Rock	0.64	0.08	0.42	<0.001	<0.001	<0.05	0.5	4.9	11.9	26	<0.1	3.0	1.5	134	0.96	5.8	11.1	11.5	6	<0.1
1265926	Rock	0.68	0.05	0.49	<0.001	<0.001	<0.05	0.2	5.6	24.0	40	<0.1	2.5	1.6	163	1.23	2.9	3.9	10.9	6	0.2
1265927	Rock	0.58	0.03	0.41	<0.001	<0.001	<0.05	0.3	5.3	16.7	20	0.1	2.0	1.0	135	0.93	2.7	7.6	11.5	6	0.2
1265928	Rock	0.64	0.04	0.46	<0.001	<0.001	<0.05	0.3	6.0	16.8	24	<0.1	2.0	1.6	159	1.05	2.9	4.8	11.6	5	0.2
1265929	Rock	0.57	0.06	0.48	<0.001	<0.001	<0.05	0.2	5.8	17.7	50	0.2	1.8	1.1	133	0.68	1.7	<0.5	10.7	10	0.2
1265838	Rock	0.33	0.04	0.22	<0.001	<0.001	<0.05	0.2	2.7	9.3	11	<0.1	1.2	0.5	46	0.36	5.9	2.9	11.3	4	<0.1

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Project: Sulphur
Report Date: September 24, 2013

Page: 6 of 6

Part: 3 of 4

CERTIFICATE OF ANALYSIS

WHI13000245.2

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga
Unit		ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
MDL		0.1	0.1	2	0.01	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
1265912	Rock	0.6	<0.1	<2	0.05	0.016	56	3	0.06	254	0.005	<20	0.43	0.043	0.14	<0.1	0.02	4.9	<0.1	<0.05	1
1265913	Rock	0.1	<0.1	2	0.05	0.015	29	7	0.14	210	0.013	<20	0.49	0.042	0.31	<0.1	<0.01	3.4	0.2	<0.05	2
1265914	Rock	0.4	<0.1	3	0.07	0.019	30	6	0.15	218	0.014	<20	0.50	0.036	0.32	0.1	<0.01	3.1	0.2	<0.05	2
1265915	Rock	0.6	<0.1	2	0.05	0.020	35	7	0.08	230	0.006	<20	0.45	0.033	0.28	<0.1	0.01	3.6	0.1	<0.05	2
1265916	Rock	0.2	<0.1	<2	0.04	0.016	43	6	0.06	194	0.003	<20	0.38	0.032	0.27	<0.1	0.01	2.1	0.1	<0.05	1
1265917	Rock	0.2	<0.1	2	0.03	0.013	52	6	0.05	176	0.006	<20	0.36	0.049	0.20	<0.1	<0.01	2.8	<0.1	<0.05	2
1265918	Rock	0.2	<0.1	3	0.05	0.016	39	6	0.08	211	0.007	<20	0.43	0.040	0.26	<0.1	<0.01	2.7	<0.1	<0.05	1
1265919	Rock	0.2	<0.1	2	0.03	0.010	37	6	0.04	185	0.005	<20	0.33	0.044	0.19	<0.1	<0.01	2.5	<0.1	<0.05	1
1265920	Rock	0.2	<0.1	<2	0.03	0.009	57	5	0.03	143	0.004	<20	0.34	0.054	0.16	<0.1	<0.01	2.0	<0.1	<0.05	1
1265921	Rock	0.2	<0.1	7	0.04	0.010	31	9	0.07	179	0.013	<20	0.47	0.051	0.19	<0.1	0.01	2.2	<0.1	<0.05	2
1265922	Rock	0.3	0.3	10	0.08	0.015	32	10	0.12	182	0.023	<20	0.48	0.041	0.18	<0.1	0.01	3.1	0.2	<0.05	2
1265923	Rock	0.2	<0.1	7	0.06	0.013	32	9	0.10	175	0.017	<20	0.46	0.047	0.20	<0.1	0.01	2.5	0.1	<0.05	2
1265924	Rock	0.2	<0.1	4	0.04	0.010	40	7	0.09	182	0.012	<20	0.43	0.043	0.22	<0.1	0.01	2.4	0.1	<0.05	2
1265925	Rock	0.2	<0.1	6	0.05	0.011	29	8	0.10	202	0.018	<20	0.49	0.040	0.25	<0.1	0.02	2.4	0.1	<0.05	2
1265926	Rock	0.2	<0.1	5	0.07	0.019	41	6	0.14	223	0.017	<20	0.53	0.028	0.31	<0.1	<0.01	3.5	0.2	<0.05	3
1265927	Rock	0.2	0.1	<2	0.09	0.014	32	5	0.07	264	0.004	<20	0.46	0.021	0.26	<0.1	<0.01	2.7	<0.1	<0.05	2
1265928	Rock	0.2	<0.1	3	0.07	0.017	41	6	0.09	311	0.005	<20	0.48	0.025	0.30	<0.1	<0.01	3.3	0.1	<0.05	2
1265929	Rock	<0.1	0.2	<2	0.09	0.017	33	6	0.06	229	0.004	<20	0.42	0.030	0.26	<0.1	0.04	2.1	<0.1	<0.05	2
1265838	Rock	0.3	<0.1	2	0.02	0.007	37	4	0.03	208	0.006	<20	0.27	0.030	0.16	<0.1	0.03	1.2	<0.1	<0.05	1



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Project: Sulphur
Report Date: September 24, 2013

Page: 6 of 6

Part: 4 of 4

CERTIFICATE OF ANALYSIS

WHI13000245.2

	Method	1DX	1DX
Analyte	Analyte	Se	Te
Unit	Unit	ppm	ppm
MDL	MDL	0.5	0.2
1265912	Rock	0.6	<0.2
1265913	Rock	<0.5	<0.2
1265914	Rock	<0.5	<0.2
1265915	Rock	<0.5	<0.2
1265916	Rock	<0.5	<0.2
1265917	Rock	<0.5	<0.2
1265918	Rock	<0.5	<0.2
1265919	Rock	<0.5	<0.2
1265920	Rock	<0.5	<0.2
1265921	Rock	<0.5	<0.2
1265922	Rock	<0.5	<0.2
1265923	Rock	<0.5	<0.2
1265924	Rock	<0.5	<0.2
1265925	Rock	<0.5	<0.2
1265926	Rock	<0.5	<0.2
1265927	Rock	0.5	<0.2
1265928	Rock	<0.5	<0.2
1265929	Rock	<0.5	<0.2
1265838	Rock	<0.5	<0.2

QUALITY CONTROL REPORT

WHI13000245.2

Method		WGHT	G6	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR
Analyte		Wgt	Au	Ag	Mo	Cu	Pb	Zn	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg
Unit		kg	ppm	gm/t	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
MDL		0.01	0.005	2	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01
Pulp Duplicates																					
1265962	Rock	0.92	0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	1.00	<0.01	0.002	<0.001	<0.001	<0.01	0.14	0.018	<0.001	0.13
REP 1265962	QC			<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	0.99	<0.01	0.002	<0.001	<0.001	<0.01	0.13	0.018	<0.001	0.13
1265819	Rock	0.68	0.255	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	2.24	<0.01	<0.001	<0.001	<0.001	<0.01	0.02	0.019	<0.001	0.03
REP 1265819	QC																				
1265834	Rock	0.75	0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.54	<0.01	<0.001	<0.001	<0.001	<0.01	0.02	0.008	<0.001	0.04
REP 1265834	QC		0.006																		
1266779	Rock Pulp	0.05	<0.005	<2	<0.001	0.002	<0.01	<0.01	0.002	<0.001	0.04	2.54	<0.01	0.004	<0.001	<0.001	<0.01	0.94	0.061	0.003	0.79
REP 1266779	QC			<2	<0.001	0.002	<0.01	<0.01	0.002	<0.001	0.04	2.57	<0.01	0.004	<0.001	<0.001	<0.01	0.94	0.060	0.004	0.79
1265755	Rock	0.66	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.27	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	0.003	<0.001	0.03
REP 1265755	QC																				
1265758	Rock	0.68	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.22	<0.01	<0.001	<0.001	<0.001	<0.01	<0.01	0.005	<0.001	0.03
REP 1265758	QC																				
1265772	Rock	0.88	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.63	<0.01	<0.001	<0.001	<0.001	<0.01	0.01	0.007	<0.001	0.07
REP 1265772	QC		<0.005																		
1265783	Rock	0.69	0.163	<2	<0.001	0.001	<0.01	0.01	<0.001	<0.001	0.02	1.08	<0.01	<0.001	<0.001	0.002	<0.01	0.04	0.015	<0.001	0.04
REP 1265783	QC			2	<0.001	<0.001	<0.01	0.01	<0.001	<0.001	0.02	1.08	<0.01	<0.001	<0.001	0.001	<0.01	0.04	0.015	<0.001	0.04
1265790	Rock Pulp	0.06	0.750	<2	<0.001	0.003	<0.01	<0.01	0.002	<0.001	0.04	2.51	<0.01	0.005	<0.001	<0.001	<0.01	0.95	0.053	0.003	0.77
REP 1265790	QC																				
1265913	Rock	1.10	0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	1.02	<0.01	<0.001	<0.001	<0.001	<0.01	0.05	0.011	<0.001	0.13
REP 1265913	QC		0.006																		
1265921	Rock	0.84	0.031	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.01	1.09	<0.01	<0.001	<0.001	<0.001	<0.01	0.04	0.008	<0.001	0.08
REP 1265921	QC			<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.01	1.11	<0.01	<0.001	<0.001	<0.001	<0.01	0.04	0.009	0.001	0.08
1265928	Rock	1.12	0.006	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	1.07	<0.01	<0.001	<0.001	<0.001	<0.01	0.07	0.014	<0.001	0.09
REP 1265928	QC																				
1265838	Rock	0.91	0.015	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.51	<0.01	<0.001	<0.001	<0.001	<0.01	0.02	0.006	<0.001	0.03
REP 1265838	QC			<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.51	<0.01	<0.001	<0.001	<0.001	<0.01	0.02	0.006	<0.001	0.03
Core Reject Duplicates																					
1265955	Rock	0.82	0.010	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	0.91	<0.01	<0.001	<0.001	<0.001	<0.01	0.05	0.017	<0.001	0.09

QUALITY CONTROL REPORT

WHI13000245.2

		Method	7AR	7AR	7AR	7AR	7AR	7AR	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
		Analyte	Al	Na	K	W	Hg	S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd
		Unit	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm
		MDL	0.01	0.01	0.01	0.001	0.001	0.05	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
Pulp Duplicates																						
1265962	Rock		0.69	0.05	0.48	<0.001	<0.001	<0.05	0.4	8.9	14.1	32	0.1	3.2	2.0	218	1.03	2.1	1.7	10.6	16	0.2
REP 1265962	QC		0.67	0.05	0.47	<0.001	<0.001	<0.05														
1265819	Rock		0.36	0.06	0.12	<0.001	<0.001	<0.05	0.4	11.7	35.7	62	0.6	3.7	2.5	199	2.33	23.6	276.2	12.0	6	0.3
REP 1265819	QC								0.4	10.1	34.4	60	0.6	3.9	2.3	197	2.31	23.5	457.7	11.6	6	0.2
1265834	Rock		0.31	0.03	0.25	<0.001	<0.001	<0.05	0.3	7.0	20.5	20	0.2	1.7	0.6	50	0.51	2.8	3.4	15.7	4	<0.1
REP 1265834	QC																					
1266779	Rock Pulp		1.62	0.08	0.16	0.001	<0.001	0.05	2.5	26.2	2.5	48	0.2	25.5	11.2	408	2.50	5.4	29.0	0.9	41	0.2
REP 1266779	QC		1.64	0.08	0.16	0.002	<0.001	0.05														
1265755	Rock		0.28	0.03	0.23	<0.001	<0.001	<0.05	0.1	1.0	7.0	7	<0.1	0.4	0.2	46	0.25	2.7	2.6	12.4	1	<0.1
REP 1265755	QC								<0.1	1.0	7.3	7	<0.1	0.6	0.2	45	0.25	2.7	2.7	13.3	2	<0.1
1265758	Rock		0.31	0.03	0.29	<0.001	<0.001	<0.05	0.4	1.9	10.4	7	<0.1	0.7	0.3	70	0.20	0.7	2.0	12.2	2	<0.1
REP 1265758	QC								0.3	2.2	9.9	7	0.1	0.7	0.4	70	0.21	0.6	1.7	12.7	2	<0.1
1265772	Rock		0.40	0.04	0.32	<0.001	<0.001	<0.05	0.2	1.9	9.3	20	<0.1	1.2	0.8	96	0.61	1.9	1.5	13.3	3	0.2
REP 1265772	QC																					
1265783	Rock		0.50	0.02	0.29	<0.001	<0.001	<0.05	0.3	8.2	63.0	151	1.1	2.5	1.1	191	1.03	75.6	208.9	11.5	5	0.5
REP 1265783	QC		0.50	0.02	0.29	<0.001	<0.001	<0.05														
1265790	Rock Pulp		1.69	0.09	0.16	<0.001	<0.001	<0.05	4.2	31.6	5.3	51	0.2	22.9	8.8	394	2.50	6.7	591.3	0.9	38	0.1
REP 1265790	QC								4.2	31.2	5.3	51	0.3	22.2	8.8	396	2.51	7.0	1115	1.0	41	0.2
1265913	Rock		0.65	0.10	0.47	<0.001	<0.001	<0.05	0.5	2.3	8.7	27	<0.1	2.5	1.3	201	1.03	6.9	11.1	13.3	5	<0.1
REP 1265913	QC																					
1265921	Rock		0.62	0.10	0.33	<0.001	<0.001	<0.05	0.6	5.0	10.6	25	<0.1	3.4	1.5	143	1.08	14.3	33.8	9.9	5	<0.1
REP 1265921	QC		0.69	0.12	0.35	<0.001	<0.001	<0.05														
1265928	Rock		0.64	0.04	0.46	<0.001	<0.001	<0.05	0.3	6.0	16.8	24	<0.1	2.0	1.6	159	1.05	2.9	4.8	11.6	5	0.2
REP 1265928	QC								0.3	5.8	16.8	25	<0.1	2.4	1.6	160	1.06	3.0	5.6	11.9	5	0.2
1265838	Rock		0.33	0.04	0.22	<0.001	<0.001	<0.05	0.2	2.7	9.3	11	<0.1	1.2	0.5	46	0.36	5.9	2.9	11.3	4	<0.1
REP 1265838	QC		0.32	0.04	0.22	<0.001	<0.001	<0.05														
Core Reject Duplicates																						
1265955	Rock		0.55	0.06	0.37	<0.001	<0.001	<0.05	0.6	5.8	17.8	37	<0.1	2.6	1.6	174	0.91	1.6	6.7	15.6	8	0.3

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Project: Sulphur
Report Date: September 24, 2013

Page: 1 of 4

Part: 3 of 4

QUALITY CONTROL REPORT

WHI13000245.2

Method Analyte Unit MDL	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01	1DX P % 0.001	1DX La ppm 1	1DX Cr ppm 1	1DX Mg % 0.01	1DX Ba ppm 1	1DX Ti % 0.001	1DX B ppm 20	1DX Al % 0.01	1DX Na % 0.001	1DX K % 0.01	1DX W ppm 0.1	1DX Hg ppm 0.01	1DX Sc ppm 0.1	1DX Ti ppm 0.1	1DX S % 0.05	1DX Ga ppm 1
Pulp Duplicates																				
1265962 Rock	0.3	0.1	6	0.14	0.022	36	6	0.14	410	0.027	<20	0.60	0.035	0.35	<0.1	0.01	3.3	0.2	<0.05	3
REP 1265962 QC																				
1265819 Rock	0.6	<0.1	<2	0.02	0.023	50	3	0.03	158	0.004	<20	0.31	0.045	0.08	<0.1	0.05	5.2	<0.1	<0.05	<1
REP 1265819 QC	0.6	<0.1	2	0.02	0.019	49	3	0.03	151	0.003	<20	0.29	0.045	0.08	<0.1	0.07	5.3	<0.1	<0.05	1
1265834 Rock	0.4	<0.1	3	0.03	0.010	50	2	0.04	220	0.008	<20	0.33	0.029	0.17	<0.1	0.01	2.3	<0.1	<0.05	1
REP 1265834 QC																				
1266779 Rock Pulp	0.3	<0.1	63	0.85	0.060	4	31	0.81	105	0.122	<20	1.58	0.080	0.14	14.1	0.01	4.3	<0.1	<0.05	6
REP 1266779 QC																				
1265755 Rock	0.2	<0.1	<2	<0.01	0.005	39	<1	0.02	82	0.002	<20	0.22	0.026	0.16	<0.1	<0.01	1.4	<0.1	<0.05	<1
REP 1265755 QC	0.2	<0.1	<2	<0.01	0.005	40	<1	0.02	85	0.002	<20	0.22	0.025	0.16	<0.1	<0.01	1.5	<0.1	<0.05	<1
1265758 Rock	0.1	<0.1	<2	<0.01	0.004	34	3	0.02	92	0.001	<20	0.21	0.019	0.18	<0.1	<0.01	1.2	<0.1	<0.05	<1
REP 1265758 QC	0.2	<0.1	<2	<0.01	0.004	35	3	0.02	95	0.002	<20	0.22	0.020	0.18	<0.1	<0.01	1.3	<0.1	<0.05	<1
1265772 Rock	0.3	<0.1	<2	0.01	0.008	22	2	0.07	163	0.004	<20	0.32	0.027	0.21	<0.1	<0.01	2.0	0.1	<0.05	1
REP 1265772 QC																				
1265783 Rock	0.6	<0.1	<2	0.04	0.020	39	2	0.04	128	0.002	<20	0.35	0.016	0.16	0.1	0.05	3.6	<0.1	<0.05	1
REP 1265783 QC																				
1265790 Rock Pulp	0.8	0.1	59	0.80	0.055	4	31	0.72	98	0.116	<20	1.50	0.080	0.13	10.1	0.04	4.8	<0.1	<0.05	5
REP 1265790 QC	0.8	0.1	58	0.80	0.057	5	32	0.73	107	0.123	<20	1.50	0.080	0.13	10.1	0.06	5.2	<0.1	<0.05	5
1265913 Rock	0.1	<0.1	2	0.05	0.015	29	7	0.14	210	0.013	<20	0.49	0.042	0.31	<0.1	<0.01	3.4	0.2	<0.05	2
REP 1265913 QC																				
1265921 Rock	0.2	<0.1	7	0.04	0.010	31	9	0.07	179	0.013	<20	0.47	0.051	0.19	<0.1	0.01	2.2	<0.1	<0.05	2
REP 1265921 QC																				
1265928 Rock	0.2	<0.1	3	0.07	0.017	41	6	0.09	311	0.005	<20	0.48	0.025	0.30	<0.1	<0.01	3.3	0.1	<0.05	2
REP 1265928 QC	0.2	<0.1	2	0.08	0.017	43	6	0.09	307	0.005	<20	0.47	0.026	0.29	<0.1	0.01	3.1	0.1	<0.05	2
1265838 Rock	0.3	<0.1	2	0.02	0.007	37	4	0.03	208	0.006	<20	0.27	0.030	0.16	<0.1	0.03	1.2	<0.1	<0.05	1
REP 1265838 QC																				
Core Reject Duplicates																				
1265955 Rock	0.3	<0.1	4	0.06	0.020	63	4	0.09	394	0.008	<20	0.47	0.043	0.27	<0.1	<0.01	3.4	0.1	<0.05	2

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Vancouver BC V6C 1T2 CANADA

Project: Sulphur
Report Date: September 24, 2013

Page: 1 of 4

Part: 4 of 4

QUALITY CONTROL REPORT

WHI13000245.2

	Method Analyte Unit MDL	1DX Se ppm 0.5	1DX Te ppm 0.2
Pulp Duplicates			
1265962	Rock	<0.5	<0.2
REP 1265962	QC		
1265819	Rock	<0.5	<0.2
REP 1265819	QC	<0.5	<0.2
1265834	Rock	<0.5	<0.2
REP 1265834	QC		
1266779	Rock Pulp	<0.5	<0.2
REP 1266779	QC		
1265755	Rock	<0.5	<0.2
REP 1265755	QC	<0.5	<0.2
1265758	Rock	<0.5	<0.2
REP 1265758	QC	<0.5	<0.2
1265772	Rock	<0.5	<0.2
REP 1265772	QC		
1265783	Rock	<0.5	<0.2
REP 1265783	QC		
1265790	Rock Pulp	<0.5	<0.2
REP 1265790	QC	<0.5	<0.2
1265913	Rock	<0.5	<0.2
REP 1265913	QC		
1265921	Rock	<0.5	<0.2
REP 1265921	QC		
1265928	Rock	<0.5	<0.2
REP 1265928	QC	<0.5	<0.2
1265838	Rock	<0.5	<0.2
REP 1265838	QC		
Core Reject Duplicates			
1265955	Rock	<0.5	<0.2

QUALITY CONTROL REPORT

WHI13000245.2

		WGHT	G6	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	
		Wgt	Au	Ag	Mo	Cu	Pb	Zn	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg
		kg	ppm	gm/t	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		0.01	0.005	2	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01
DUP 1265955	QC		0.017	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	0.88	<0.01	<0.001	<0.001	<0.001	<0.01	0.05	0.017	<0.001	0.08
1265859	Rock	0.75	0.011	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	1.15	<0.01	<0.001	<0.001	<0.001	<0.01	0.06	0.020	<0.001	0.09
DUP 1265859	QC		0.011	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.02	1.15	<0.01	<0.001	<0.001	<0.001	<0.01	0.06	0.020	<0.001	0.09
1265774	Rock	0.70	<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.31	<0.01	<0.001	<0.001	0.002	<0.01	0.02	0.004	<0.001	0.04
DUP 1265774	QC		<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.01	0.34	<0.01	<0.001	<0.001	0.002	<0.01	0.02	0.003	<0.001	0.04
1265911	Rock	0.98	0.014	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.03	1.13	<0.01	<0.001	<0.001	<0.001	<0.01	0.03	0.009	<0.001	0.14
DUP 1265911	QC		0.010	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.03	1.14	<0.01	<0.001	<0.001	<0.001	<0.01	0.03	0.010	<0.001	0.14
Reference Materials																					
STD CDN-ME-9A	Standard			3	<0.001	0.661	<0.01	<0.01	0.907	0.016	0.07	11.88	<0.01	0.006	<0.001	<0.001	<0.01	1.38	0.061	0.014	2.91
STD CDN-ME-14A	Standard			45	0.001	1.226	0.47	2.94	0.002	0.017	0.06	17.44	<0.01	<0.001	0.009	0.002	<0.01	0.30	0.013	0.002	0.91
STD CDN-ME-9A	Standard			3	<0.001	0.652	<0.01	<0.01	0.930	0.016	0.07	11.93	<0.01	0.006	<0.001	<0.001	<0.01	1.38	0.061	0.014	2.84
STD CDN-ME-14A	Standard			43	0.002	1.212	0.48	2.85	0.002	0.016	0.06	17.56	<0.01	<0.001	0.009	0.002	0.01	0.30	0.013	0.002	0.87
STD CDN-ME-9A	Standard			3	<0.001	0.658	<0.01	<0.01	0.934	0.016	0.07	11.67	<0.01	0.006	<0.001	<0.001	<0.01	1.32	0.057	0.014	2.78
STD CDN-ME-14A	Standard			44	0.002	1.296	0.49	3.07	0.002	0.018	0.06	17.38	<0.01	<0.001	0.009	<0.001	0.01	0.30	0.013	0.002	0.88
STD CDN-ME-9A	Standard			3	<0.001	0.660	<0.01	<0.01	0.931	0.016	0.07	11.44	<0.01	0.006	<0.001	<0.001	<0.01	1.47	0.061	0.014	2.89
STD CDN-ME-14A	Standard			46	0.001	1.267	0.50	2.98	0.002	0.017	0.06	17.14	0.01	<0.001	0.008	<0.001	<0.01	0.31	0.014	0.002	0.93
STD CDN-ME-9A	Standard			3	<0.001	0.646	<0.01	<0.01	0.904	0.016	0.06	11.59	<0.01	0.006	<0.001	<0.001	<0.01	1.30	0.059	0.014	2.80
STD CDN-ME-14A	Standard			45	0.001	1.232	0.48	2.96	0.002	0.017	0.06	17.27	<0.01	<0.001	0.009	0.001	0.01	0.29	0.013	0.002	0.88
STD DS9	Standard																				
STD DS9	Standard																				
STD DS9	Standard																				
STD DS9	Standard																				
STD DS9	Standard																				
STD DS9	Standard																				
STD OREAS45EA	Standard																				
STD OREAS45EA	Standard																				
STD OREAS45EA	Standard																				
STD OREAS45EA	Standard																				
STD OREAS45EA	Standard																				

QUALITY CONTROL REPORT

WHI13000245.2

		7AR	7AR	7AR	7AR	7AR	7AR	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Al	Na	K	W	Hg	S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd
		%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm
		0.01	0.01	0.01	0.001	0.001	0.05	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
DUP 1265955	QC	0.52	0.05	0.35	<0.001	<0.001	<0.05	0.6	4.7	18.4	33	<0.1	2.7	1.8	168	0.88	1.8	4.3	16.0	7	0.2
1265859	Rock	0.45	0.02	0.44	<0.001	<0.001	<0.05	0.3	7.5	16.7	61	0.2	3.7	1.9	226	1.14	10.1	12.4	16.3	6	0.6
DUP 1265859	QC	0.48	0.02	0.46	<0.001	<0.001	<0.05	0.2	6.7	14.3	63	0.2	3.3	1.8	211	1.09	9.5	38.4	13.7	6	0.6
1265774	Rock	0.48	0.01	0.39	<0.001	<0.001	<0.05	0.1	1.6	4.4	9	<0.1	0.5	0.2	20	0.28	0.7	1.5	11.9	2	<0.1
DUP 1265774	QC	0.51	0.01	0.40	<0.001	<0.001	<0.05	0.1	1.5	4.5	10	<0.1	0.5	0.2	24	0.30	0.7	1.4	11.8	3	<0.1
1265911	Rock	0.69	0.09	0.47	<0.001	<0.001	<0.05	0.8	5.3	16.0	35	<0.1	2.8	1.9	297	1.15	4.8	3.6	11.7	6	0.1
DUP 1265911	QC	0.71	0.09	0.47	<0.001	<0.001	<0.05	0.7	5.0	14.6	34	<0.1	2.1	1.8	286	1.13	4.5	7.1	11.8	5	<0.1
Reference Materials																					
STD CDN-ME-9A	Standard	2.18	0.32	0.19	<0.001	<0.001	3.48														
STD CDN-ME-14A	Standard	1.10	0.03	0.36	<0.001	<0.001	16.67														
STD CDN-ME-9A	Standard	2.29	0.35	0.21	<0.001	<0.001	3.36														
STD CDN-ME-14A	Standard	1.22	0.04	0.43	0.002	<0.001	16.42														
STD CDN-ME-9A	Standard	2.19	0.30	0.18	<0.001	<0.001	3.30														
STD CDN-ME-14A	Standard	1.07	0.02	0.35	<0.001	<0.001	16.98														
STD CDN-ME-9A	Standard	2.35	0.33	0.18	<0.001	<0.001	3.24														
STD CDN-ME-14A	Standard	1.15	0.02	0.36	0.010	<0.001	16.68														
STD CDN-ME-9A	Standard	2.05	0.29	0.18	<0.001	<0.001	3.45														
STD CDN-ME-14A	Standard	1.05	0.02	0.34	<0.001	<0.001	16.62														
STD DS9	Standard							11.9	104.3	134.3	329	1.9	41.8	7.5	562	2.29	25.9	96.2	6.2	70	2.3
STD DS9	Standard							11.6	106.9	130.9	309	2.1	39.6	7.4	570	2.35	27.1	113.8	6.2	70	2.4
STD DS9	Standard							12.6	107.3	137.3	325	1.7	38.0	8.0	581	2.39	26.1	128.1	6.5	69	2.8
STD DS9	Standard							11.9	111.2	136.4	316	1.9	42.5	7.7	571	2.41	27.0	110.9	6.2	69	2.5
STD DS9	Standard							12.5	104.7	130.2	292	1.6	37.6	7.0	554	2.22	25.7	135.5	6.4	68	2.4
STD DS9	Standard							13.4	114.9	133.2	304	1.6	41.4	8.0	564	2.32	24.3	105.2	5.6	57	2.2
STD OREAS45EA	Standard							1.3	699.7	15.5	32	0.3	382.3	53.4	395	23.46	11.6	70.2	11.1	4	<0.1
STD OREAS45EA	Standard							1.7	742.9	15.7	33	0.3	422.4	57.9	421	24.67	12.0	67.6	11.4	4	<0.1
STD OREAS45EA	Standard							1.6	721.2	15.8	30	0.3	406.5	54.3	416	24.40	11.9	55.1	11.5	4	<0.1
STD OREAS45EA	Standard							1.5	678.4	14.1	30	0.3	380.0	51.5	383	24.22	10.0	47.1	10.6	4	<0.1
STD OREAS45EA	Standard							1.4	683.7	15.7	32	0.3	377.8	49.8	385	23.65	11.1	51.9	10.6	4	<0.1

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Project: Sulphur
Report Date: September 24, 2013

Page: 2 of 4

Part: 3 of 4

QUALITY CONTROL REPORT

WHI13000245.2

		1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01	1DX P % 0.001	1DX La ppm 1	1DX Cr ppm 1	1DX Mg % 0.01	1DX Ba ppm 1	1DX Ti % 0.001	1DX B ppm 20	1DX Al % 0.01	1DX Na % 0.001	1DX K % 0.01	1DX W ppm 0.1	1DX Hg ppm 0.01	1DX Sc ppm 0.1	1DX Ti ppm 0.1	1DX S % 0.05	1DX Ga ppm 1
DUP 1265955	QC	0.3	<0.1	3	0.05	0.020	65	4	0.10	392	0.008	<20	0.45	0.038	0.26	<0.1	<0.01	3.4	0.1	<0.05	2
1265859	Rock	0.6	<0.1	4	0.07	0.028	48	2	0.10	323	0.012	<20	0.48	0.022	0.28	<0.1	0.02	5.5	0.2	<0.05	3
DUP 1265859	QC	0.5	<0.1	3	0.07	0.023	43	2	0.09	305	0.012	<20	0.49	0.023	0.28	<0.1	0.03	4.8	0.2	<0.05	2
1265774	Rock	<0.1	<0.1	<2	0.02	0.004	24	1	0.03	158	<0.001	<20	0.26	0.009	0.21	<0.1	<0.01	1.0	<0.1	<0.05	<1
DUP 1265774	QC	<0.1	<0.1	<2	0.02	0.005	24	1	0.03	166	<0.001	<20	0.31	0.010	0.23	<0.1	<0.01	1.0	<0.1	<0.05	<1
1265911	Rock	0.2	<0.1	3	0.04	0.013	29	6	0.15	221	0.014	<20	0.50	0.040	0.30	<0.1	<0.01	3.1	0.1	<0.05	3
DUP 1265911	QC	0.2	<0.1	3	0.03	0.010	26	6	0.14	202	0.014	<20	0.48	0.036	0.30	<0.1	<0.01	3.0	0.1	<0.05	3
Reference Materials																					
STD CDN-ME-9A	Standard																				
STD CDN-ME-14A	Standard																				
STD CDN-ME-9A	Standard																				
STD CDN-ME-14A	Standard																				
STD CDN-ME-9A	Standard																				
STD CDN-ME-14A	Standard																				
STD CDN-ME-9A	Standard																				
STD CDN-ME-14A	Standard																				
STD CDN-ME-9A	Standard																				
STD CDN-ME-14A	Standard																				
STD DS9	Standard	5.3	5.3	39	0.68	0.088	12	120	0.60	351	0.103	<20	0.91	0.077	0.39	3.2	0.19	2.4	5.4	0.17	5
STD DS9	Standard	5.4	5.7	41	0.72	0.083	12	120	0.62	334	0.108	<20	0.93	0.083	0.40	2.7	0.22	2.3	5.7	0.17	5
STD DS9	Standard	5.2	5.7	42	0.72	0.087	13	121	0.63	338	0.119	<20	0.97	0.084	0.42	2.8	0.21	2.5	5.5	0.18	5
STD DS9	Standard	4.9	5.7	41	0.73	0.085	13	128	0.62	333	0.114	<20	0.95	0.089	0.40	3.3	0.20	2.4	5.3	0.17	5
STD DS9	Standard	4.5	6.0	41	0.71	0.082	13	108	0.61	323	0.102	<20	0.94	0.082	0.39	3.1	0.23	2.3	5.4	0.17	5
STD DS9	Standard	5.1	5.5	40	0.71	0.080	11	123	0.61	297	0.104	<20	0.93	0.082	0.40	2.5	0.19	2.1	4.9	0.17	4
STD OREAS45EA	Standard	0.2	0.2	299	0.04	0.032	7	892	0.10	158	0.094	<20	3.16	0.018	0.05	<0.1	<0.01	89.1	<0.1	<0.05	13
STD OREAS45EA	Standard	0.2	0.2	317	0.04	0.030	7	952	0.11	161	0.093	<20	3.37	0.019	0.06	<0.1	0.03	81.4	<0.1	<0.05	14
STD OREAS45EA	Standard	0.2	0.2	316	0.03	0.033	7	928	0.10	157	0.100	<20	3.33	0.021	0.06	<0.1	0.01	85.1	<0.1	<0.05	13
STD OREAS45EA	Standard	0.2	0.2	293	0.03	0.027	7	888	0.09	132	0.094	<20	3.10	0.025	0.05	<0.1	0.01	76.8	<0.1	<0.05	12
STD OREAS45EA	Standard	0.3	0.4	288	0.04	0.028	7	845	0.09	146	0.086	<20	3.16	0.023	0.05	<0.1	0.04	79.1	<0.1	<0.05	13

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Project: Sulphur
Report Date: September 24, 2013

Page: 2 of 4

Part: 4 of 4

QUALITY CONTROL REPORT

WHI13000245.2

		1DX Se ppm 0.5	1DX Te ppm 0.2
DUP 1265955	QC	0.9	<0.2
1265859	Rock	<0.5	<0.2
DUP 1265859	QC	0.6	<0.2
1265774	Rock	<0.5	<0.2
DUP 1265774	QC	<0.5	<0.2
1265911	Rock	<0.5	<0.2
DUP 1265911	QC	<0.5	<0.2
Reference Materials			
STD CDN-ME-9A	Standard		
STD CDN-ME-14A	Standard		
STD CDN-ME-9A	Standard		
STD CDN-ME-14A	Standard		
STD CDN-ME-9A	Standard		
STD CDN-ME-14A	Standard		
STD CDN-ME-9A	Standard		
STD CDN-ME-14A	Standard		
STD CDN-ME-9A	Standard		
STD CDN-ME-14A	Standard		
STD DS9	Standard	5.7	5.3
STD DS9	Standard	4.7	4.4
STD DS9	Standard	6.2	5.5
STD DS9	Standard	6.3	5.1
STD DS9	Standard	5.4	5.3
STD DS9	Standard	4.6	4.6
STD OREAS45EA	Standard	1.1	<0.2
STD OREAS45EA	Standard	1.2	<0.2
STD OREAS45EA	Standard	0.9	<0.2
STD OREAS45EA	Standard	0.8	<0.2
STD OREAS45EA	Standard	0.9	<0.2

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Project: Sulphur
Report Date: September 24, 2013

Page: 3 of 4

Part: 1 of 4

QUALITY CONTROL REPORT

WHI13000245.2

		WGHT	G6	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	
		Wgt	Au	Ag	Mo	Cu	Pb	Zn	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg
		kg	ppm	gm/t	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		0.01	0.005	2	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01
STD OREAS45EA	Standard																				
STD OXC109	Standard	0.199																			
STD OXC109	Standard	0.187																			
STD OXI96	Standard	1.788																			
STD OXI96	Standard	1.797																			
STD OXL93	Standard	5.750																			
STD OXL93	Standard	5.537																			
STD OXC109 Expected		0.201																			
STD OXI96 Expected		1.802																			
STD OXL93 Expected		5.841																			
STD CDN-ME-9A Expected		0.6540.010.9120.0170.06711.70.00631.40.0590.0142.82																			
STD CDN-ME-14A Expected		421.2210.4953.10.0020.01740.0617.560.010.0090.010.3050.0130.0020.8835																			
STD DS9 Expected																					
STD OREAS45EA Expected																					
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<2<0.001<0.001<0.01<0.01<0.001<0.001<0.01<0.01<0.01<0.001<0.001<0.01<0.01<0.01<0.01<0.01<0.001<0.001<0.01																			
BLK	Blank	<2<0.001<0.001<0.01<0.01<0.001<0.001<0.01<0.01<0.01<0.001<0.001<0.01<0.01<0.01<0.01<0.01<0.001<0.001<0.01																			
BLK	Blank	<2<0.001<0.001<0.01<0.01<0.001<0.001<0.01<0.01<0.01<0.001<0.001<0.01<0.01<0.01<0.01<0.01<0.001<0.001<0.01																			
BLK	Blank	<2<0.001<0.001<0.01<0.01<0.001<0.001<0.01<0.01<0.01<0.001<0.001<0.01<0.01<0.01<0.01<0.01<0.002<0.001<0.01																			
BLK	Blank	<2<0.001<0.001<0.01<0.01<0.001<0.001<0.01<0.01<0.01<0.001<0.001<0.01<0.01<0.01<0.01<0.01<0.001<0.001<0.01																			
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					

Acme Analytical Laboratories (Vancouver) Ltd.

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Client: Taku Gold Corp.
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Vancouver BC V6C 1T2 CANADA

Project: Sulphur
Report Date: September 24, 2013

Page: 3 of 4

Part: 2 of 4

QUALITY CONTROL REPORT

WHI13000245.2

		7AR	7AR	7AR	7AR	7AR	7AR	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Al	Na	K	W	Hg	S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd
		%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm
		0.01	0.01	0.01	0.001	0.001	0.05	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
STD OREAS45EA	Standard							1.7	683.5	13.1	27	0.2	385.8	52.3	384	23.52	10.7	54.9	9.3	3	<0.1
STD OXC109	Standard																				
STD OXC109	Standard																				
STD OXI96	Standard																				
STD OXI96	Standard																				
STD OXL93	Standard																				
STD OXL93	Standard																				
STD OXC109 Expected																					
STD OXI96 Expected																					
STD OXL93 Expected																					
STD CDN-ME-9A Expected		2.2	0.32	0.19			3.46														
STD CDN-ME-14A Expected		1.09	0.032	0.35			16.75														
STD DS9 Expected								12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4
STD OREAS45EA Expected								1.78	709	14.3	30.6	0.311	357	52	400	22.65	11.4	53	10.7	4.05	0.03
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.01	<0.01	<0.001	<0.001	<0.05														
BLK	Blank	<0.01	<0.01	<0.01	<0.001	<0.001	<0.05														
BLK	Blank	<0.01	<0.01	<0.01	<0.001	<0.001	<0.05														
BLK	Blank	<0.01	<0.01	<0.01	<0.001	<0.001	<0.05														
BLK	Blank	<0.01	<0.01	<0.01	<0.001	<0.001	<0.05														
BLK	Blank	<0.01	<0.01	<0.01	<0.001	<0.001	<0.05														
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
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
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
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
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
Prep Wash																					

QUALITY CONTROL REPORT

WHI13000245.2

		1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01	1DX P % 0.001	1DX La ppm 1	1DX Cr ppm 1	1DX Mg % 0.01	1DX Ba ppm 1	1DX Ti % 0.001	1DX B ppm 20	1DX Al % 0.01	1DX Na % 0.001	1DX K % 0.01	1DX W ppm 0.1	1DX Hg ppm 0.01	1DX Sc ppm 0.1	1DX Ti ppm 0.1	1DX S % 0.05	1DX Ga ppm 1
STD OREAS45EA	Standard	0.2	0.2	296	0.03	0.025	6	957	0.08	140	0.084	<20	3.14	0.023	0.05	<0.1	0.01	72.3	<0.1	<0.05	12
STD OXC109	Standard																				
STD OXC109	Standard																				
STD OXI96	Standard																				
STD OXI96	Standard																				
STD OXL93	Standard																				
STD OXL93	Standard																				
STD OXC109 Expected																					
STD OXI96 Expected																					
STD OXL93 Expected																					
STD CDN-ME-9A Expected																					
STD CDN-ME-14A Expected																					
STD DS9 Expected		4.94	6.32	40	0.7201	0.0819	13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59
STD OREAS45EA Expected		0.64	0.26	295	0.032	0.029	8.19	849	0.095	148	0.106		3.32	0.027	0.053		0.34	78	0.072	0.044	11.7
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.1	<0.1	<2	<0.01	<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
BLK	Blank	<0.1	<0.1	<2	<0.01	<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
BLK	Blank	<0.1	<0.1	<2	<0.01	<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
BLK	Blank	<0.1	<0.1	<2	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	0.007	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1
BLK	Blank	<0.1	<0.1	<2	<0.01	<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
Prep Wash																					

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Client: **Taku Gold Corp.**
Suite 1450-409 Granville Street
Vancouver BC V6C 1T2 CANADA

Project: Sulphur
Report Date: September 24, 2013

Page: 3 of 4

Part: 4 of 4

QUALITY CONTROL REPORT

WHI13000245.2

		1DX Se ppm 0.5	1DX Te ppm 0.2
STD OREAS45EA	Standard	1.3	<0.2
STD OXC109	Standard		
STD OXC109	Standard		
STD OXI96	Standard		
STD OXI96	Standard		
STD OXL93	Standard		
STD OXL93	Standard		
STD OXC109 Expected			
STD OXI96 Expected			
STD OXL93 Expected			
STD CDN-ME-9A Expected			
STD CDN-ME-14A Expected			
STD DS9 Expected		5.2	5.02
STD OREAS45EA Expected		2.09	0.11
BLK	Blank		
BLK	Blank		
BLK	Blank		
BLK	Blank		
BLK	Blank		
BLK	Blank		
BLK	Blank		
BLK	Blank		
BLK	Blank		
BLK	Blank	<0.5	<0.2
BLK	Blank	<0.5	<0.2
BLK	Blank	<0.5	<0.2
BLK	Blank	<0.5	<0.2
BLK	Blank	<0.5	<0.2
Prep Wash			



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Page: 4 of 4

Part: 1 of 4

QUALITY CONTROL REPORT

WHI13000245.2

		WGHT	G6	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR	7AR
		Wgt	Au	Ag	Mo	Cu	Pb	Zn	Ni	Co	Mn	Fe	As	Sr	Cd	Sb	Bi	Ca	P	Cr	Mg
		kg	ppm	gm/t	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
		0.01	0.005	2	0.001	0.001	0.01	0.01	0.001	0.001	0.01	0.01	0.01	0.001	0.001	0.001	0.01	0.01	0.001	0.001	0.01
G1-WHI	Prep Blank		<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.06	1.90	<0.01	0.007	<0.001	<0.001	<0.01	0.58	0.072	<0.001	0.50
G1-WHI	Prep Blank		<0.005	<2	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	0.06	1.97	<0.01	0.008	<0.001	<0.001	<0.01	0.61	0.071	<0.001	0.50



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Project: Sulphur
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Page: 4 of 4

Part: 2 of 4

QUALITY CONTROL REPORT

WHI13000245.2

		7AR	7AR	7AR	7AR	7AR	7AR	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Al	Na	K	W	Hg	S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd
		%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm
		0.01	0.01	0.01	0.001	0.001	0.05	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
G1-WHI	Prep Blank	1.06	0.12	0.52	<0.001	<0.001	<0.05	<0.1	2.4	3.6	49	<0.1	2.4	3.9	586	1.92	<0.5	5.6	6.8	65	<0.1
G1-WHI	Prep Blank	1.09	0.14	0.53	<0.001	<0.001	0.05	0.1	10.1	3.9	48	<0.1	3.5	7.1	586	2.06	<0.5	2.9	6.5	66	<0.1



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Project: Sulphur
Report Date: September 24, 2013

Page: 4 of 4

Part: 3 of 4

QUALITY CONTROL REPORT

WHI13000245.2

		1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01	1DX P % 0.001	1DX La ppm 1	1DX Cr ppm 1	1DX Mg % 0.01	1DX Ba ppm 1	1DX Ti % 0.001	1DX B ppm 20	1DX Al % 0.01	1DX Na % 0.001	1DX K % 0.01	1DX W ppm 0.1	1DX Hg ppm 0.01	1DX Sc ppm 0.1	1DX Ti ppm 0.1	1DX S % 0.05	1DX Ga ppm 1
G1-WHI	Prep Blank	<0.1	0.2	38	0.50	0.081	15	6	0.51	186	0.130	<20	1.00	0.108	0.52	<0.1	<0.01	2.7	0.4	<0.05	5
G1-WHI	Prep Blank	<0.1	0.1	40	0.56	0.074	14	8	0.52	189	0.143	<20	1.07	0.122	0.55	<0.1	<0.01	3.1	0.3	0.05	6



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Vancouver BC V6C 1T2 CANADA

Project: Sulphur
Report Date: September 24, 2013

Page: 4 of 4

Part: 4 of 4

QUALITY CONTROL REPORT

WHI13000245.2

		1DX Se ppm 0.5	1DX Te ppm 0.2
G1-WHI	Prep Blank	<0.5	<0.2
G1-WHI	Prep Blank	<0.5	<0.2



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PHONE (604) 253-3158

Client: **Taku Gold Corp.**
Suite 1450-409 Granville Street
Vancouver BC V6C 1T2 CANADA

Submitted By: Mark Fekete
Receiving Lab: Canada-Whitehorse
Received: August 08, 2013
Report Date: August 21, 2013
Page: 1 of 4

CERTIFICATE OF ANALYSIS

WHI13000246.1

CLIENT JOB INFORMATION

Project: Sulphur
Shipment ID: 2013_08_07_SUL_RH01
P.O. Number
Number of Samples: 82

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	75	Crush, split and pulverize 250 g rock to 200 mesh			WHI
ASSAY3	81	lead collection fire-assay fusion -AAS finish + 7AR	30	Completed	VAN

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
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: Taku Gold Corp.
Suite 1450-409 Granville Street
Vancouver BC V6C 1T2
CANADA

CC: Zachery Dingsdale
Marty Jhuber



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.

CERTIFICATE OF ANALYSIS

WHI13000246.1

	Method Analyte Unit MDL	WGHT Wgt kg 0.01	G6 Au ppm 0.005	1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ag ppm 0.1	1DX Ni ppm 0.1	1DX Co ppm 0.1	1DX Mn ppm 1	1DX Fe % 0.01	1DX As ppm 0.5	1DX Au ppb 0.5	1DX Th ppm 0.1	1DX Sr ppm 1	1DX Cd ppm 0.1	1DX Sb ppm 0.1	1DX Bi ppm 0.1	1DX V ppm 2	1DX Ca % 0.01
1265930	Rock	0.91	<0.005	0.2	5.8	29.3	39	<0.1	2.1	1.8	176	1.14	0.9	1.1	9.4	6	0.2	0.3	0.2	4	0.05
1265931	Rock	0.70	<0.005	0.4	8.7	13.2	45	0.1	2.8	2.2	191	1.27	0.7	0.9	9.9	8	0.3	0.2	0.2	4	0.07
1265932	Rock	0.71	<0.005	<0.1	7.2	12.8	49	0.1	3.3	2.2	282	1.34	0.6	2.4	11.7	13	0.1	0.3	0.1	5	0.08
1265933	Rock	0.78	<0.005	<0.1	3.6	7.0	33	<0.1	1.9	1.5	145	0.83	0.6	1.0	6.4	20	<0.1	0.2	0.1	2	0.09
1265934	Rock	0.70	<0.005	0.2	5.2	11.7	38	<0.1	2.1	1.8	182	0.90	0.9	1.2	8.5	14	<0.1	0.3	0.1	3	0.08
1265935	Rock	0.77	0.006	1.0	5.6	14.5	38	0.3	1.8	1.7	174	0.94	2.6	4.5	9.8	12	0.2	0.3	0.1	2	0.04
1265936	Rock	0.71	0.102	0.2	5.5	11.0	18	0.2	2.1	1.0	82	0.59	29.9	104.7	11.9	14	0.2	0.2	0.1	<2	0.04
1265937	Rock	0.91	0.122	0.2	4.1	15.2	17	0.2	1.4	0.8	97	0.75	15.7	50.1	13.3	22	<0.1	0.3	<0.1	<2	0.03
1266780	Rock Pulp	0.06	0.879	4.4	35.2	5.4	50	0.4	25.6	9.7	410	2.65	6.2	670.1	1.2	42	0.2	0.7	0.2	59	0.80
1266781	Rock Pulp	0.05	<0.005	2.2	25.5	2.4	42	0.2	22.9	10.4	393	2.35	4.5	1.5	0.6	39	0.2	0.2	<0.1	56	0.76
1265792	Rock	0.74	<0.005	0.1	1.6	9.3	12	<0.1	1.2	0.2	59	0.64	5.8	1.5	13.0	7	<0.1	<0.1	<0.1	<2	0.08
1265793	Rock	0.57	<0.005	0.5	5.4	9.6	16	<0.1	1.8	0.4	130	2.01	5.6	<0.5	13.9	5	<0.1	<0.1	<0.1	<2	0.04
1265794	Rock	0.50	<0.005	0.2	10.5	21.1	28	0.3	1.3	1.0	84	1.10	2.1	3.7	12.6	8	<0.1	<0.1	<0.1	<2	0.08
1265795	Rock	0.55	0.012	0.6	6.4	15.3	24	0.2	1.6	1.1	207	1.01	2.5	4.1	11.7	5	0.1	0.1	<0.1	<2	0.05
1265796	Rock	0.61	0.012	0.9	6.9	19.2	52	0.1	2.2	0.9	96	2.99	6.7	6.5	12.8	4	0.3	0.1	<0.1	3	0.04
1265797	Rock	0.42	0.038	1.9	4.9	7.4	41	<0.1	3.0	0.8	151	1.93	5.5	16.8	11.5	6	0.4	0.2	<0.1	2	0.06
1265798	Rock	0.77	0.044	0.4	4.6	15.2	21	<0.1	1.3	0.7	106	0.85	2.3	8.3	11.1	4	0.2	<0.1	<0.1	<2	0.02
1265799	Rock	0.69	0.010	0.6	5.2	17.1	37	0.1	2.4	0.8	121	1.39	4.1	5.6	14.2	4	0.2	0.5	<0.1	<2	0.02
1265800	Rock	0.83	0.006	7.1	2.3	7.7	12	<0.1	1.1	0.4	68	0.46	3.9	2.6	10.6	3	<0.1	0.2	<0.1	<2	0.01
1265801	Rock	0.71	0.014	4.2	2.2	10.9	16	<0.1	1.5	0.5	135	0.72	7.7	8.5	11.7	3	0.1	0.2	<0.1	<2	0.02
1265802	Rock	0.70	0.012	1.8	2.2	5.6	13	<0.1	0.9	0.3	37	0.25	3.0	6.7	9.8	4	<0.1	<0.1	<0.1	<2	0.04
1265803	Rock	0.87	0.009	0.5	4.2	9.5	9	<0.1	0.9	0.2	35	0.34	4.7	6.0	10.3	3	<0.1	0.1	<0.1	<2	0.03
1265804	Rock	0.80	0.257	0.3	3.3	19.1	16	0.2	1.5	0.7	88	1.00	13.8	111.5	11.7	5	<0.1	0.2	<0.1	<2	0.03
1265805	Rock	0.76	0.033	0.2	2.7	6.4	16	0.1	0.7	0.4	167	0.62	3.9	19.8	12.3	6	<0.1	<0.1	<0.1	<2	0.05
1265806	Rock	0.75	0.006	<0.1	3.0	5.3	6	<0.1	0.8	0.2	35	0.25	0.8	4.8	11.2	4	<0.1	<0.1	<0.1	<2	0.04
1265807	Rock	0.74	0.008	0.1	6.9	22.3	33	0.1	2.3	1.7	195	0.84	2.2	6.1	10.1	6	0.1	<0.1	0.1	2	0.06
1265808	Rock	0.86	0.007	0.2	7.1	4.2	52	<0.1	5.3	4.2	291	1.57	2.1	3.4	11.9	10	<0.1	<0.1	0.1	8	0.12
1265811	Rock	0.60	<0.005	0.5	6.0	10.2	47	<0.1	4.5	4.5	361	1.71	1.3	3.3	16.0	12	<0.1	<0.1	<0.1	20	0.16
1265812	Rock	0.50	<0.005	0.6	2.7	6.5	32	<0.1	1.2	1.5	95	0.96	1.3	2.2	10.5	11	<0.1	<0.1	0.2	8	0.18
1265813	Rock Pulp	0.06	0.005	2.5	24.6	2.3	43	0.3	23.8	10.8	403	2.40	4.8	<0.5	1.0	41	0.2	0.2	<0.1	58	0.80

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Report Date:

August 21, 2013

Page:

2 of 4

Part:

2 of 2

CERTIFICATE OF ANALYSIS

WHI13000246.1

	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
	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
1265930	Rock	0.020	20	5	0.17	343	0.020	<20	0.48	0.037	0.29	<0.1	<0.01	2.5	0.2	<0.05	2	<0.5
1265931	Rock	0.021	13	5	0.18	359	0.021	<20	0.56	0.031	0.32	<0.1	<0.01	2.7	0.2	<0.05	4	<0.5
1265932	Rock	0.019	25	5	0.19	830	0.026	<20	0.56	0.041	0.35	<0.1	<0.01	2.6	0.3	<0.05	3	<0.5
1265933	Rock	0.018	14	4	0.14	261	0.015	<20	0.43	0.039	0.30	<0.1	<0.01	1.7	0.2	<0.05	2	<0.5
1265934	Rock	0.020	15	5	0.15	229	0.014	<20	0.44	0.039	0.27	<0.1	<0.01	1.9	0.2	<0.05	2	<0.5
1265935	Rock	0.014	33	4	0.14	1054	0.012	<20	0.35	0.037	0.22	<0.1	<0.01	2.5	0.1	<0.05	2	<0.5
1265936	Rock	0.013	67	3	0.04	650	0.001	<20	0.30	0.022	0.20	<0.1	0.01	1.8	<0.1	<0.05	<1	<0.5
1265937	Rock	0.011	58	3	0.02	2549	0.002	<20	0.27	0.039	0.14	<0.1	<0.01	1.9	<0.1	<0.05	<1	<0.5
1266780	Rock Pulp	0.058	4	33	0.76	98	0.120	<20	1.54	0.080	0.13	9.8	0.05	4.6	<0.1	<0.05	5	<0.5
1266781	Rock Pulp	0.060	4	29	0.76	93	0.111	<20	1.49	0.072	0.13	11.4	0.01	3.2	<0.1	<0.05	5	<0.5
1265792	Rock	0.006	53	2	0.07	238	<0.001	<20	0.41	0.018	0.17	0.1	0.01	1.3	<0.1	<0.05	1	<0.5
1265793	Rock	0.009	6	2	0.04	206	<0.001	<20	0.30	0.020	0.14	<0.1	0.01	1.4	<0.1	<0.05	<1	<0.5
1265794	Rock	0.019	105	2	0.06	251	<0.001	<20	0.40	0.013	0.21	<0.1	0.02	1.7	<0.1	<0.05	1	<0.5
1265795	Rock	0.009	14	2	0.04	242	<0.001	<20	0.34	0.021	0.19	<0.1	0.02	2.4	<0.1	<0.05	1	<0.5
1265796	Rock	0.022	7	3	0.02	189	<0.001	<20	0.35	0.015	0.17	<0.1	0.02	2.1	<0.1	<0.05	1	<0.5
1265797	Rock	0.017	16	4	0.03	216	<0.001	<20	0.38	0.013	0.19	<0.1	0.04	3.1	<0.1	<0.05	1	<0.5
1265798	Rock	0.012	55	2	0.03	159	0.002	<20	0.32	0.033	0.17	<0.1	<0.01	2.3	<0.1	<0.05	<1	<0.5
1265799	Rock	0.017	31	2	0.02	145	<0.001	<20	0.28	0.025	0.14	<0.1	0.02	2.5	<0.1	<0.05	<1	<0.5
1265800	Rock	0.007	35	2	0.02	137	0.001	<20	0.24	0.022	0.20	<0.1	0.02	0.9	<0.1	<0.05	<1	<0.5
1265801	Rock	0.008	45	2	0.02	117	0.001	<20	0.27	0.026	0.11	<0.1	<0.01	1.2	0.1	<0.05	<1	<0.5
1265802	Rock	0.006	24	2	0.03	158	<0.001	<20	0.28	0.019	0.20	<0.1	<0.01	0.7	<0.1	<0.05	1	<0.5
1265803	Rock	0.007	34	3	0.03	113	0.001	<20	0.23	0.039	0.14	<0.1	<0.01	1.0	<0.1	<0.05	<1	<0.5
1265804	Rock	0.010	55	2	0.03	114	<0.001	<20	0.30	0.039	0.11	<0.1	0.04	1.5	<0.1	<0.05	<1	<0.5
1265805	Rock	0.006	44	2	0.04	184	<0.001	<20	0.30	0.030	0.15	<0.1	<0.01	0.9	<0.1	<0.05	<1	<0.5
1265806	Rock	0.007	35	2	0.04	212	<0.001	<20	0.27	0.019	0.19	<0.1	<0.01	0.9	<0.1	<0.05	<1	<0.5
1265807	Rock	0.017	48	3	0.07	248	0.002	<20	0.35	0.030	0.20	<0.1	0.01	2.2	<0.1	<0.05	1	<0.5
1265808	Rock	0.029	46	4	0.18	350	0.008	<20	0.66	0.028	0.33	<0.1	0.01	3.9	0.2	<0.05	3	<0.5
1265811	Rock	0.033	43	7	0.27	276	0.060	<20	0.89	0.035	0.34	<0.1	<0.01	3.9	0.2	<0.05	4	<0.5
1265812	Rock	0.027	27	3	0.19	227	0.028	<20	0.56	0.019	0.23	<0.1	<0.01	2.2	<0.1	<0.05	3	<0.5
1265813	Rock Pulp	0.059	4	31	0.79	96	0.124	<20	1.52	0.073	0.13	11.7	<0.01	4.6	<0.1	<0.05	5	<0.5

CERTIFICATE OF ANALYSIS

WHI13000246.1

	Method Analyte Unit MDL	WGHT Wgt kg	G6 Au ppm	1DX Mo ppm	1DX Cu ppm	1DX Pb ppm	1DX Zn ppm	1DX Ag ppm	1DX Ni ppm	1DX Co ppm	1DX Mn ppm	1DX Fe %	1DX As ppm	1DX Au ppb	1DX Th ppm	1DX Sr ppm	1DX Cd ppm	1DX Sb ppm	1DX Bi ppm	1DX V ppm	1DX Ca %
		0.01	0.005	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
1265814	Rock Pulp	0.06	0.896	4.5	35.2	5.8	53	0.3	25.5	9.8	407	2.63	7.2	432.7	1.1	43	0.2	0.7	0.2	60	0.83
1265836	Rock	0.66	0.010	0.1	4.9	12.8	12	0.4	1.6	0.6	64	0.44	2.0	10.6	8.3	4	<0.1	0.2	<0.1	3	0.02
1265837	Rock	0.75	0.005	0.2	5.9	13.8	14	0.5	1.2	0.5	68	0.46	3.1	5.4	12.1	4	<0.1	0.3	0.3	2	0.02
1265838	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.	L.N.R.	L.N.R.
1265839	Rock	0.83	0.008	0.2	4.4	16.9	15	<0.1	2.7	1.2	82	0.52	2.8	6.5	9.9	7	<0.1	0.2	0.2	5	0.03
1265840	Rock	0.78	0.015	0.2	3.7	11.3	14	<0.1	1.9	1.0	122	0.65	2.6	5.7	11.6	6	<0.1	0.2	0.1	4	0.03
1265841	Rock	0.80	0.010	0.2	3.8	14.2	15	<0.1	2.2	1.0	124	0.55	1.9	5.9	12.4	7	<0.1	0.2	0.1	4	0.03
1265842	Rock	1.00	0.008	0.3	4.8	14.4	15	<0.1	2.9	1.5	108	0.60	2.7	7.3	11.3	12	<0.1	0.1	0.1	6	0.03
1265843	Rock	0.91	0.036	0.2	4.7	13.4	15	<0.1	2.5	1.2	88	0.56	1.9	6.1	12.2	12	<0.1	0.2	0.1	5	0.03
1265844	Rock	0.64	0.025	0.2	5.5	19.1	18	0.2	1.8	0.8	84	0.66	3.9	16.7	13.7	7	<0.1	0.1	0.1	4	0.02
1265845	Rock	0.98	0.006	0.8	4.0	9.6	10	0.2	1.3	0.5	54	0.38	2.2	5.1	11.8	5	<0.1	0.1	0.3	<2	0.01
1265846	Rock	0.84	0.007	0.2	4.1	13.8	14	0.1	1.3	0.6	68	0.74	4.0	6.0	12.5	6	<0.1	0.2	0.2	<2	0.01
1265847	Rock	1.00	0.018	0.3	3.2	14.1	12	0.1	1.3	0.5	52	0.42	4.4	9.6	12.9	3	<0.1	0.1	0.1	<2	0.01
1265848	Rock	0.69	0.012	0.2	6.7	21.8	17	<0.1	1.3	0.6	60	0.53	3.7	8.5	13.0	4	<0.1	0.2	0.1	<2	0.01
1265849	Rock	0.90	0.038	0.3	6.0	25.4	17	0.4	1.1	0.2	34	0.59	11.3	41.6	13.5	7	<0.1	0.1	<0.1	<2	0.02
1265850	Rock	0.66	0.021	0.2	3.5	13.8	14	<0.1	1.4	0.9	73	0.57	7.1	19.9	11.3	3	<0.1	0.2	<0.1	<2	<0.01
1265851	Rock	0.93	0.009	<0.1	3.4	7.2	21	<0.1	0.7	0.4	57	0.32	1.4	5.7	10.0	3	<0.1	<0.1	0.1	<2	0.01
1265852	Rock	0.84	0.011	0.1	2.4	8.1	39	<0.1	1.6	1.5	79	0.59	3.3	12.1	11.6	27	<0.1	0.1	<0.1	<2	0.02
1265853	Rock	0.82	0.140	0.3	4.0	9.0	18	0.1	1.2	0.8	41	0.96	27.6	208.5	12.5	4	0.1	0.2	<0.1	<2	<0.01
1265854	Rock	0.88	0.036	0.2	5.5	13.3	23	<0.1	1.4	0.5	58	0.59	7.5	29.5	8.8	3	0.1	0.1	0.1	<2	0.01
1265855	Rock	0.81	0.179	0.2	3.4	9.7	52	<0.1	1.8	1.3	506	0.95	11.0	71.8	13.5	5	0.3	<0.1	<0.1	<2	0.03
1266776	Rock Pulp	0.05	0.006	2.4	24.9	2.5	44	0.2	24.4	10.4	394	2.33	4.1	2.1	0.9	40	0.2	0.2	<0.1	57	0.77
1266777	Rock Pulp	0.05	0.894	4.3	33.2	5.4	50	0.2	24.5	9.3	408	2.52	5.7	403.8	0.9	42	0.2	0.6	0.2	61	0.81
1265866	Rock	0.84	0.011	0.2	7.3	16.0	43	0.2	3.0	2.3	268	1.07	1.8	5.4	9.1	6	<0.1	0.4	<0.1	3	0.04
1265867	Rock	0.83	0.007	<0.1	6.6	14.4	35	0.2	2.4	1.7	226	0.87	0.8	5.5	10.3	6	<0.1	0.4	0.1	<2	0.04
1265868	Rock	0.79	0.014	0.2	3.3	7.9	24	<0.1	2.2	1.4	98	0.99	2.0	7.6	10.6	4	<0.1	0.3	<0.1	3	0.02
1265869	Rock	1.00	0.020	0.1	5.7	12.1	24	0.1	2.1	1.1	74	0.88	1.4	10.6	12.8	4	<0.1	0.2	<0.1	<2	0.01
1265870	Rock	0.88	0.008	0.1	3.9	13.8	22	<0.1	1.6	0.8	57	1.04	1.4	28.8	11.8	5	<0.1	0.3	<0.1	<2	0.02
1265871	Rock	1.02	0.091	0.1	3.9	11.9	22	<0.1	1.6	0.4	47	1.00	2.1	135.3	11.5	4	<0.1	0.2	<0.1	<2	<0.01
1265872	Rock	0.92	0.161	0.2	5.3	12.2	16	0.1	1.9	0.6	59	1.27	5.1	128.3	13.0	5	<0.1	0.3	<0.1	<2	0.01

CERTIFICATE OF ANALYSIS

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	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
	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
1265814	Rock Pulp	0.060	5	34	0.75	101	0.131	<20	1.55	0.081	0.13	10.0	0.05	4.8	<0.1	<0.05	6	<0.5
1265836	Rock	0.007	41	3	0.05	246	0.006	<20	0.33	0.034	0.20	<0.1	<0.01	0.9	<0.1	<0.05	1	<0.5
1265837	Rock	0.007	38	3	0.04	188	0.006	<20	0.28	0.027	0.17	<0.1	0.01	1.3	0.1	<0.05	<1	<0.5
1265838	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.
1265839	Rock	0.006	37	5	0.07	518	0.009	<20	0.41	0.036	0.22	<0.1	0.02	1.1	<0.1	<0.05	1	<0.5
1265840	Rock	0.007	40	4	0.05	430	0.010	<20	0.30	0.034	0.16	<0.1	<0.01	1.2	<0.1	<0.05	<1	<0.5
1265841	Rock	0.006	44	4	0.06	656	0.010	<20	0.38	0.036	0.21	<0.1	<0.01	1.4	<0.1	<0.05	1	<0.5
1265842	Rock	0.008	49	5	0.08	1018	0.012	<20	0.42	0.034	0.19	<0.1	0.01	1.5	<0.1	<0.05	1	<0.5
1265843	Rock	0.007	50	5	0.07	1043	0.010	<20	0.44	0.035	0.21	<0.1	<0.01	1.3	<0.1	<0.05	1	<0.5
1265844	Rock	0.010	75	4	0.05	578	0.007	<20	0.42	0.038	0.16	<0.1	<0.01	1.7	<0.1	<0.05	1	<0.5
1265845	Rock	0.006	34	4	0.04	590	0.003	<20	0.30	0.034	0.22	<0.1	<0.01	1.0	0.1	<0.05	<1	<0.5
1265846	Rock	0.008	35	3	0.04	560	0.004	<20	0.31	0.033	0.19	<0.1	<0.01	1.2	<0.1	<0.05	1	<0.5
1265847	Rock	0.008	61	3	0.04	203	0.003	<20	0.33	0.033	0.21	<0.1	0.01	1.2	<0.1	<0.05	1	<0.5
1265848	Rock	0.010	69	2	0.03	270	0.005	<20	0.33	0.037	0.18	<0.1	<0.01	2.0	<0.1	<0.05	1	<0.5
1265849	Rock	0.009	61	2	0.03	3967	0.002	<20	0.42	0.031	0.14	<0.1	0.02	1.6	<0.1	0.11	1	<0.5
1265850	Rock	0.008	52	3	0.03	157	0.003	<20	0.32	0.041	0.18	<0.1	<0.01	1.7	<0.1	<0.05	1	<0.5
1265851	Rock	0.004	38	2	0.06	175	0.003	<20	0.34	0.033	0.22	<0.1	<0.01	1.0	<0.1	<0.05	1	<0.5
1265852	Rock	0.007	42	3	0.14	1989	0.007	<20	0.46	0.033	0.28	<0.1	<0.01	1.5	0.1	<0.05	2	<0.5
1265853	Rock	0.007	44	2	0.01	92	0.001	<20	0.31	0.056	0.09	<0.1	0.03	1.6	<0.1	<0.05	1	<0.5
1265854	Rock	0.006	32	3	0.10	138	0.004	<20	0.43	0.033	0.24	<0.1	<0.01	1.4	<0.1	<0.05	1	<0.5
1265855	Rock	0.009	63	1	0.04	277	0.002	<20	0.47	0.022	0.14	<0.1	0.02	2.1	<0.1	<0.05	2	<0.5
1266776	Rock Pulp	0.058	4	31	0.76	90	0.119	<20	1.50	0.074	0.13	11.0	0.02	4.0	<0.1	<0.05	5	<0.5
1266777	Rock Pulp	0.056	4	33	0.75	94	0.127	<20	1.57	0.083	0.14	9.9	0.04	4.3	<0.1	<0.05	5	<0.5
1265866	Rock	0.018	39	4	0.12	316	0.012	<20	0.44	0.039	0.27	<0.1	<0.01	2.2	0.2	<0.05	2	<0.5
1265867	Rock	0.019	28	4	0.09	353	0.010	<20	0.40	0.039	0.26	<0.1	<0.01	2.5	0.1	<0.05	1	<0.5
1265868	Rock	0.015	31	5	0.05	197	0.006	<20	0.34	0.051	0.18	<0.1	<0.01	2.1	<0.1	<0.05	1	<0.5
1265869	Rock	0.015	53	3	0.05	165	0.005	<20	0.33	0.042	0.18	<0.1	<0.01	2.4	<0.1	<0.05	1	0.7
1265870	Rock	0.014	37	4	0.06	175	0.007	<20	0.30	0.046	0.18	<0.1	<0.01	2.6	<0.1	<0.05	1	<0.5
1265871	Rock	0.013	41	4	0.06	173	0.006	<20	0.30	0.049	0.20	<0.1	<0.01	2.2	<0.1	0.05	1	<0.5
1265872	Rock	0.013	51	3	0.02	495	0.003	<20	0.33	0.041	0.13	<0.1	0.02	2.2	<0.1	<0.05	1	<0.5

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Page:

4 of 4

Part:

1 of 2

CERTIFICATE OF ANALYSIS

WHI13000246.1

	Method	WGHT	G6	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	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.005	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
1265873	Rock	0.99	0.088	<0.1	2.1	4.1	9	<0.1	0.7	0.2	30	0.55	5.7	154.8	11.5	3	<0.1	0.1	<0.1	<2
1265874	Rock	0.84	0.018	0.2	3.8	11.4	14	0.2	1.2	0.4	66	0.93	2.2	12.4	11.2	3	<0.1	0.2	<0.1	<2
1265875	Rock	0.96	0.027	0.2	3.6	18.0	18	0.3	0.9	0.5	88	0.75	1.7	20.1	16.0	4	<0.1	0.2	<0.1	<2
1265876	Rock	0.88	0.130	0.1	6.2	14.7	33	0.2	1.6	1.1	147	0.92	2.1	28.1	10.8	5	0.1	0.2	0.1	<2
1265877	Rock	0.97	0.008	0.3	4.3	27.4	26	0.2	1.0	0.9	174	0.60	1.5	9.3	11.9	3	<0.1	0.2	<0.1	<2
1265878	Rock	0.72	<0.005	0.1	6.4	7.0	40	0.2	1.9	1.5	139	0.71	2.3	2.1	7.7	7	<0.1	0.4	0.1	<2
1265879	Rock	0.94	<0.005	0.1	7.9	14.4	35	0.2	1.8	1.6	171	0.82	0.8	4.9	11.1	7	0.4	0.1	0.1	<2
1265880	Rock	0.88	<0.005	0.1	5.2	11.2	38	<0.1	2.1	1.4	125	1.14	1.4	4.3	12.6	6	<0.1	0.6	0.1	3
1265881	Rock	0.96	0.011	0.5	6.0	13.2	36	0.1	2.6	1.5	137	0.99	2.4	8.8	11.0	5	<0.1	0.4	0.1	3
1265882	Rock	0.84	0.008	0.4	7.0	17.0	45	0.1	3.0	3.4	431	1.30	1.4	6.8	12.7	5	0.2	0.4	<0.1	4
1265883	Rock	0.89	0.012	0.2	6.5	19.1	43	0.2	3.1	2.0	202	1.21	1.7	11.0	12.4	7	0.2	0.3	<0.1	4
1265884	Rock	0.89	0.026	0.1	8.2	21.3	38	0.2	1.9	1.8	196	1.71	7.2	21.1	12.7	4	0.3	0.4	<0.1	3
1265885	Rock	0.95	0.007	<0.1	6.6	12.8	46	0.2	1.9	1.7	123	1.07	3.3	6.9	13.5	3	0.1	0.3	<0.1	2
1265886	Rock	0.77	0.016	0.1	5.6	13.3	33	0.2	1.6	1.3	98	0.90	4.5	12.9	12.3	3	0.1	0.3	<0.1	<2
1265887	Rock	0.76	0.076	0.1	5.1	12.9	17	0.2	1.4	0.9	77	0.96	25.5	61.6	14.5	4	<0.1	0.9	<0.1	<2
1265888	Rock	0.68	0.039	0.5	4.6	19.5	15	0.1	1.4	0.7	48	0.80	6.4	16.4	14.5	4	<0.1	0.3	<0.1	3
1265889	Rock	0.79	0.016	0.1	3.4	16.3	15	0.1	1.3	0.6	60	0.67	3.3	28.8	15.2	5	<0.1	0.2	<0.1	2
1265890	Rock	0.60	0.012	0.2	4.3	19.9	15	0.1	1.3	0.6	48	0.54	2.8	7.3	14.4	4	<0.1	0.2	<0.1	3
1265891	Rock	0.86	0.006	<0.1	3.7	17.7	11	0.2	1.1	0.5	48	0.36	2.0	3.3	15.4	3	<0.1	0.2	<0.1	<2
1265892	Rock	0.82	<0.005	0.1	3.2	14.7	10	0.1	1.5	0.7	47	0.42	2.3	3.1	15.5	5	<0.1	0.2	<0.1	3
1265893	Rock	0.96	0.005	<0.1	2.1	13.5	8	0.1	0.9	0.3	40	0.32	1.0	2.1	15.2	8	<0.1	0.1	<0.1	<2
1265894	Rock	0.78	0.015	0.1	4.1	13.6	12	0.1	1.4	0.5	82	0.67	2.1	39.3	14.2	5	<0.1	0.3	<0.1	<2

Acme Analytical Laboratories (Vancouver) Ltd.

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Project: Sulphur
Report Date: August 21, 2013

Page: 4 of 4

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI13000246.1

	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
	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
1265873	Rock	0.006	43	3	0.01	96	0.002	<20	0.24	0.046	0.12	<0.1	0.01	1.5	<0.1	<0.05	<1	<0.5
1265874	Rock	0.006	30	3	0.03	172	0.003	<20	0.29	0.035	0.20	<0.1	0.01	1.4	<0.1	<0.05	1	<0.5
1265875	Rock	0.008	53	3	0.02	255	0.002	<20	0.29	0.034	0.20	<0.1	0.04	2.1	<0.1	<0.05	<1	<0.5
1265876	Rock	0.012	36	3	0.08	312	0.004	<20	0.40	0.032	0.26	<0.1	0.02	2.1	0.1	<0.05	1	<0.5
1265877	Rock	0.007	37	3	0.03	319	0.002	<20	0.31	0.030	0.21	<0.1	0.01	1.6	<0.1	<0.05	<1	<0.5
1265878	Rock	0.012	21	4	0.16	817	0.010	<20	0.45	0.030	0.31	<0.1	0.06	1.9	0.1	<0.05	2	<0.5
1265879	Rock	0.022	55	3	0.14	701	0.007	<20	0.47	0.030	0.30	<0.1	0.01	2.2	0.1	<0.05	1	<0.5
1265880	Rock	0.019	45	4	0.14	382	0.020	<20	0.48	0.029	0.33	0.2	<0.01	2.9	0.2	<0.05	2	<0.5
1265881	Rock	0.018	26	3	0.10	217	0.012	<20	0.46	0.028	0.27	<0.1	0.01	3.4	0.2	<0.05	2	<0.5
1265882	Rock	0.017	24	2	0.11	333	0.018	<20	0.46	0.025	0.31	<0.1	0.03	3.9	0.2	<0.05	2	<0.5
1265883	Rock	0.012	28	2	0.11	463	0.018	<20	0.44	0.022	0.27	<0.1	<0.01	3.4	0.2	<0.05	2	<0.5
1265884	Rock	0.019	20	1	0.04	242	0.007	<20	0.35	0.027	0.23	<0.1	0.02	3.6	0.2	<0.05	2	<0.5
1265885	Rock	0.011	28	2	0.09	235	0.012	<20	0.37	0.025	0.26	<0.1	0.02	3.2	0.2	<0.05	2	<0.5
1265886	Rock	0.012	42	2	0.05	183	0.006	<20	0.33	0.032	0.19	<0.1	0.03	2.2	0.1	<0.05	1	<0.5
1265887	Rock	0.011	48	1	0.02	157	0.002	<20	0.24	0.022	0.13	<0.1	0.03	1.3	<0.1	<0.05	<1	<0.5
1265888	Rock	0.011	45	2	0.03	200	0.005	<20	0.30	0.027	0.15	<0.1	0.01	1.8	<0.1	<0.05	1	<0.5
1265889	Rock	0.008	47	2	0.04	421	0.005	<20	0.29	0.024	0.15	<0.1	<0.01	2.1	<0.1	<0.05	<1	<0.5
1265890	Rock	0.009	52	2	0.04	288	0.006	<20	0.31	0.028	0.17	<0.1	<0.01	1.7	<0.1	<0.05	1	<0.5
1265891	Rock	0.008	54	1	0.04	280	0.005	<20	0.31	0.025	0.21	<0.1	<0.01	1.4	<0.1	<0.05	1	<0.5
1265892	Rock	0.008	54	3	0.05	563	0.006	<20	0.37	0.025	0.20	<0.1	<0.01	1.5	<0.1	<0.05	<1	<0.5
1265893	Rock	0.006	52	1	0.03	1128	0.003	<20	0.26	0.025	0.18	<0.1	<0.01	1.1	<0.1	<0.05	<1	<0.5
1265894	Rock	0.007	54	1	0.03	1000	0.005	<20	0.29	0.028	0.17	<0.1	<0.01	1.8	<0.1	<0.05	1	<0.5

QUALITY CONTROL REPORT

WHI13000246.1

	Method Analyte Unit MDL	WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2
Pulp Duplicates																					
1265933	Rock	0.78	<0.005	<0.1	3.6	7.0	33	<0.1	1.9	1.5	145	0.83	0.6	1.0	6.4	20	<0.1	0.2	0.1	2	0.09
REP 1265933	QC			<0.1	3.8	7.1	33	<0.1	2.0	1.4	145	0.83	<0.5	1.1	6.6	19	<0.1	0.2	<0.1	2	0.09
1265836	Rock	0.66	0.010	0.1	4.9	12.8	12	0.4	1.6	0.6	64	0.44	2.0	10.6	8.3	4	<0.1	0.2	<0.1	3	0.02
REP 1265836	QC		0.007																		
1265844	Rock	0.64	0.025	0.2	5.5	19.1	18	0.2	1.8	0.8	84	0.66	3.9	16.7	13.7	7	<0.1	0.1	0.1	4	0.02
REP 1265844	QC			0.2	5.6	19.5	18	0.2	2.0	0.9	87	0.66	3.7	10.5	13.7	7	<0.1	0.1	<0.1	4	0.02
1265880	Rock	0.88	<0.005	0.1	5.2	11.2	38	<0.1	2.1	1.4	125	1.14	1.4	4.3	12.6	6	<0.1	0.6	0.1	3	0.04
REP 1265880	QC		<0.005																		
1265894	Rock	0.78	0.015	0.1	4.1	13.6	12	0.1	1.4	0.5	82	0.67	2.1	39.3	14.2	5	<0.1	0.3	<0.1	<2	<0.01
REP 1265894	QC		0.009																		
Core Reject Duplicates																					
1265937	Rock	0.91	0.122	0.2	4.1	15.2	17	0.2	1.4	0.8	97	0.75	15.7	50.1	13.3	22	<0.1	0.3	<0.1	<2	0.03
DUP 1265937	QC		0.117	0.4	4.6	13.8	17	0.2	1.7	0.8	104	0.85	14.8	50.1	12.4	19	<0.1	0.3	<0.1	<2	0.02
1265848	Rock	0.69	0.012	0.2	6.7	21.8	17	<0.1	1.3	0.6	60	0.53	3.7	8.5	13.0	4	<0.1	0.2	0.1	<2	0.01
DUP 1265848	QC		0.010	0.3	3.1	21.2	12	<0.1	1.2	0.6	62	0.56	3.8	6.4	12.7	4	<0.1	0.2	<0.1	<2	0.01
1265890	Rock	0.60	0.012	0.2	4.3	19.9	15	0.1	1.3	0.6	48	0.54	2.8	7.3	14.4	4	<0.1	0.2	<0.1	3	<0.01
DUP 1265890	QC		0.008	0.2	4.9	19.9	14	<0.1	1.5	0.5	46	0.53	2.4	6.0	14.2	4	<0.1	0.2	<0.1	3	0.01
Reference Materials																					
STD DS9	Standard			13.4	110.5	131.0	292	2.0	40.3	7.7	566	2.34	24.5	104.9	6.5	74	2.4	4.2	6.3	40	0.70
STD DS9	Standard			12.8	112.6	132.6	322	1.7	41.6	8.1	584	2.29	26.3	100.0	6.8	74	2.5	4.1	5.2	40	0.72
STD DS9	Standard			12.5	112.7	136.4	319	1.7	41.8	8.1	607	2.43	27.0	123.2	6.1	74	2.3	4.6	5.2	40	0.73
STD OREAS45EA	Standard			1.3	721.6	15.7	31	0.3	398.0	55.1	423	25.04	9.3	65.1	11.5	4	<0.1	0.1	0.3	313	0.04
STD OREAS45EA	Standard			1.2	652.7	14.0	29	0.3	351.2	49.5	370	21.79	6.9	55.7	11.6	4	<0.1	0.1	0.3	281	0.03
STD OREAS45EA	Standard			1.2	669.5	15.5	30	0.3	363.8	53.5	417	22.53	8.1	51.0	12.8	4	<0.1	0.1	0.3	315	0.04
STD OXC109	Standard		0.200																		
STD OXC109	Standard		0.201																		
STD OXC109	Standard		0.192																		
STD OXI96	Standard		1.784																		

QUALITY CONTROL REPORT

WHI13000246.1

Method	1DX	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	Ti	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
Pulp Duplicates																		
1265933 Rock	0.018	14	4	0.14	261	0.015	<20	0.43	0.039	0.30	<0.1	<0.01	1.7	0.2	<0.05	2	<0.5	<0.2
REP 1265933 QC	0.018	15	4	0.13	260	0.015	<20	0.41	0.039	0.29	<0.1	<0.01	1.6	0.2	<0.05	2	<0.5	<0.2
1265836 Rock	0.007	41	3	0.05	246	0.006	<20	0.33	0.034	0.20	<0.1	<0.01	0.9	<0.1	<0.05	1	<0.5	<0.2
REP 1265836 QC																		
1265844 Rock	0.010	75	4	0.05	578	0.007	<20	0.42	0.038	0.16	<0.1	<0.01	1.7	<0.1	<0.05	1	<0.5	<0.2
REP 1265844 QC	0.010	75	4	0.05	582	0.007	<20	0.40	0.038	0.16	<0.1	0.02	1.6	<0.1	<0.05	1	<0.5	<0.2
1265880 Rock	0.019	45	4	0.14	382	0.020	<20	0.48	0.029	0.33	0.2	<0.01	2.9	0.2	<0.05	2	<0.5	<0.2
REP 1265880 QC																		
1265894 Rock	0.007	54	1	0.03	1000	0.005	<20	0.29	0.028	0.17	<0.1	<0.01	1.8	<0.1	<0.05	1	<0.5	<0.2
REP 1265894 QC																		
Core Reject Duplicates																		
1265937 Rock	0.011	58	3	0.02	2549	0.002	<20	0.27	0.039	0.14	<0.1	<0.01	1.9	<0.1	<0.05	<1	<0.5	<0.2
DUP 1265937 QC	0.012	57	3	0.02	2393	0.002	<20	0.30	0.047	0.15	<0.1	<0.01	1.9	<0.1	<0.05	<1	<0.5	<0.2
1265848 Rock	0.010	69	2	0.03	270	0.005	<20	0.33	0.037	0.18	<0.1	<0.01	2.0	<0.1	<0.05	1	<0.5	<0.2
DUP 1265848 QC	0.009	67	3	0.04	271	0.006	<20	0.36	0.044	0.20	<0.1	<0.01	2.0	<0.1	<0.05	1	<0.5	<0.2
1265890 Rock	0.009	52	2	0.04	288	0.006	<20	0.31	0.028	0.17	<0.1	<0.01	1.7	<0.1	<0.05	1	<0.5	<0.2
DUP 1265890 QC	0.008	51	2	0.04	281	0.006	<20	0.30	0.024	0.16	<0.1	0.01	1.7	<0.1	<0.05	<1	<0.5	<0.2
Reference Materials																		
STD DS9 Standard	0.080	13	117	0.61	324	0.105	<20	0.94	0.081	0.39	2.8	0.20	2.1	5.2	0.17	4	5.2	4.5
STD DS9 Standard	0.082	13	122	0.62	307	0.117	<20	0.93	0.081	0.39	2.5	0.22	2.2	5.0	0.17	5	5.2	5.1
STD DS9 Standard	0.080	13	123	0.65	332	0.116	<20	0.96	0.080	0.40	2.6	0.20	2.0	5.1	0.17	5	4.6	5.6
STD OREAS45EA Standard	0.030	7	833	0.10	149	0.096	<20	3.25	0.024	0.05	<0.1	<0.01	80.0	<0.1	<0.05	12	0.8	<0.2
STD OREAS45EA Standard	0.026	7	767	0.10	135	0.095	<20	2.81	0.022	0.05	<0.1	<0.01	82.7	<0.1	<0.05	12	0.6	<0.2
STD OREAS45EA Standard	0.027	7	803	0.11	150	0.100	<20	2.92	0.017	0.05	<0.1	0.01	92.6	<0.1	<0.05	13	<0.5	<0.2
STD OXC109 Standard																		
STD OXC109 Standard																		
STD OXC109 Standard																		
STD OXI96 Standard																		

QUALITY CONTROL REPORT

WHI13000246.1

		WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	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
STD OXI96	Standard	1.841																			
STD OXI96	Standard	1.838																			
STD OXL93	Standard	5.850																			
STD OXL93	Standard	5.872																			
STD OXL93	Standard	5.631																			
STD OXC109 Expected		0.201																			
STD OXI96 Expected		1.802																			
STD OXL93 Expected		5.841																			
STD DS9 Expected		12.84 108 126 317 1.83 40.3 7.6 575 2.33 25.5 118 6.38 69.6 2.4 4.94 6.32 40 0.7201																			
STD OREAS45EA Expected		1.78 709 14.3 30.6 0.311 357 52 400 22.65 11.4 53 10.7 4.05 0.03 0.64 0.26 295 0.032																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
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BLK	Blank	<0.005																			
BLK	Blank	<0.1 <0.1 <0.1 <1 <0.1 <0.1 <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	<0.1 <0.1 <0.1 <1 <0.1 <0.1 <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	<0.1 <0.1 <0.1 <1 <0.1 <0.1 <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																			
Prep Wash																					
G1-WHI	Prep Blank	<0.005 <0.1 4.2 3.5 45 <0.1 2.7 4.1 568 1.93 <0.5 1.6 6.7 65 <0.1 <0.1 0.2 37 0.51																			
G1-WHI	Prep Blank	<0.005 0.3 3.3 3.2 42 <0.1 2.8 3.9 550 1.91 <0.5 0.6 5.7 65 <0.1 <0.1 0.2 36 0.50																			

QUALITY CONTROL REPORT

WHI13000246.1

		1DX P %	1DX La ppm	1DX Cr ppm	1DX Mg %	1DX Ba ppm	1DX Ti %	1DX B ppm	1DX Al %	1DX Na %	1DX K %	1DX W ppm	1DX Hg ppm	1DX Sc ppm	1DX Ti ppm	1DX S %	1DX Ga ppm	1DX Se ppm	1DX Te ppm
		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
STD OXI96	Standard																		
STD OXI96	Standard																		
STD OXL93	Standard																		
STD OXL93	Standard																		
STD OXL93	Standard																		
STD OXC109 Expected																			
STD OXI96 Expected																			
STD OXL93 Expected																			
STD DS9 Expected		0.0819	13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
STD OREAS45EA Expected		0.029	8.19	849	0.095	148	0.106		3.32	0.027	0.053		0.34	78	0.072	0.044	11.7	2.09	0.11
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
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	<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	<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
Prep Wash																			
G1-WHI	Prep Blank	0.078	12	9	0.53	179	0.135	<20	0.98	0.094	0.49	<0.1	<0.01	1.9	0.3	<0.05	5	<0.5	<0.2
G1-WHI	Prep Blank	0.074	12	8	0.50	172	0.129	<20	0.96	0.093	0.48	<0.1	<0.01	2.0	0.3	<0.05	5	<0.5	<0.2



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Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5 CANADA

Submitted By: Mark Fekete
Receiving Lab: Canada-Whitehorse
Received: September 03, 2013
Report Date: September 17, 2013
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI13000389.1

CLIENT JOB INFORMATION

Project: SULPHUR
Shipment ID: 20130830190011
P.O. Number
Number of Samples: 26

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure 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
1DX2	26	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
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: Taku Gold Corp
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5
CANADA

CC: Marty Huber



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.

CERTIFICATE OF ANALYSIS

WHI13000389.1

	Method	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	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	0.001
130961	Rock	1.15	0.3	6.3	14.6	27	0.1	4.7	1.8	207	1.17	27.7	40.5	8.7	6	0.2	0.6	<0.1	4	0.05	0.016
130962	Rock	1.37	0.6	5.7	181.1	31	0.2	5.7	1.6	486	1.80	16.8	24.3	4.5	3	<0.1	0.3	<0.1	3	0.03	0.012
130963	Rock	1.10	0.2	5.2	8.2	29	<0.1	3.4	1.5	149	0.95	5.7	13.6	11.6	5	<0.1	0.2	<0.1	4	0.05	0.013
130964	Rock	1.25	0.4	5.4	23.9	51	0.2	3.9	1.7	175	1.62	17.1	35.9	10.7	5	0.2	0.3	0.1	5	0.05	0.022
130965	Rock	1.17	0.3	7.1	41.8	80	0.3	3.9	1.9	232	1.41	15.6	34.2	10.9	5	0.5	0.3	<0.1	4	0.05	0.022
130966	Rock	1.20	0.3	5.8	11.1	48	<0.1	4.0	1.7	159	1.27	5.3	10.5	11.5	5	0.1	0.3	<0.1	6	0.04	0.015
130967	Rock	1.17	0.4	8.6	9.5	40	<0.1	4.1	1.9	183	1.25	2.9	5.3	7.9	4	<0.1	0.1	<0.1	8	0.04	0.017
130968	Rock	1.30	0.5	10.6	20.4	49	<0.1	3.5	1.6	180	1.68	3.7	5.7	13.1	4	0.2	0.2	<0.1	6	0.03	0.015
130969	Rock	1.05	0.4	5.8	18.9	49	<0.1	3.3	1.7	177	1.26	2.3	17.8	13.4	5	<0.1	0.2	<0.1	6	0.03	0.011
130970	Rock	1.17	0.6	5.7	19.7	37	<0.1	2.5	1.3	143	1.08	11.2	51.8	11.8	4	<0.1	0.2	<0.1	4	0.02	0.011
130971	Rock	1.16	0.6	6.0	11.3	30	<0.1	3.0	1.3	163	1.40	5.8	72.8	13.6	3	0.1	0.3	0.1	4	0.02	0.014
130972	Rock	1.00	0.3	6.4	12.7	24	<0.1	2.2	1.2	107	1.03	10.2	20.0	14.8	4	<0.1	0.3	<0.1	3	0.02	0.008
130973	Rock	1.34	0.4	5.2	12.1	22	0.1	2.0	0.7	68	0.92	12.1	189.9	14.3	4	<0.1	0.2	<0.1	2	0.02	0.011
130974	Rock	0.99	0.4	3.9	7.3	28	<0.1	2.0	1.2	162	0.97	1.0	5.0	13.5	3	<0.1	0.1	<0.1	<2	0.02	0.007
130975	Rock	1.12	<0.1	3.9	8.2	14	<0.1	1.4	0.5	50	0.48	1.1	19.1	12.2	2	<0.1	<0.1	<0.1	<2	0.01	0.003
130976	Rock	1.05	0.2	5.8	25.4	27	<0.1	1.8	1.0	107	1.24	1.8	2.9	10.9	3	<0.1	0.1	<0.1	<2	0.01	0.009
130977	Rock	1.05	0.2	5.6	11.3	16	<0.1	1.9	1.4	109	0.67	7.8	2.6	14.1	4	<0.1	0.2	<0.1	<2	0.01	0.010
130978	Rock	1.09	0.2	5.7	21.9	17	<0.1	1.6	0.8	72	0.60	1.7	0.5	15.5	2	<0.1	0.2	0.1	<2	<0.01	0.008
130979	Rock	0.96	0.1	2.8	14.0	14	<0.1	1.4	0.6	65	0.53	2.3	1.4	14.0	4	<0.1	0.1	<0.1	<2	0.01	0.005
130980	Rock	1.04	<0.1	4.8	15.7	25	<0.1	1.2	0.5	92	0.61	1.5	1.0	14.3	2	<0.1	0.2	<0.1	<2	0.02	0.005
130981	Rock	1.02	0.2	6.0	16.6	23	<0.1	2.2	1.0	83	0.65	2.2	2.9	15.0	3	<0.1	0.2	<0.1	<2	0.02	0.005
130982	Rock	0.91	1.1	8.1	18.4	19	<0.1	1.8	1.9	79	0.84	6.3	2.7	13.8	3	<0.1	0.4	<0.1	<2	<0.01	0.008
130983	Rock	1.05	3.4	6.4	89.6	15	0.2	1.3	0.4	46	0.49	1.7	3.7	13.4	3	<0.1	0.6	0.1	<2	<0.01	0.012
130984	Rock	0.88	0.4	3.5	15.0	19	<0.1	1.7	1.1	88	0.81	7.5	0.5	12.3	2	<0.1	0.4	<0.1	<2	<0.01	0.008
130985	Rock	1.13	<0.1	3.1	28.6	15	0.1	0.9	0.4	57	0.37	1.9	8.1	13.1	2	<0.1	0.1	<0.1	<2	<0.01	0.005
130986	Rock	1.12	0.6	8.9	31.1	60	0.1	2.6	1.5	216	1.80	2.1	3.7	12.3	4	0.3	0.2	<0.1	4	0.03	0.021

CERTIFICATE OF ANALYSIS

WHI13000389.1

	Method Analyte Unit MDL	1DX15	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	Ti	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
130961	Rock	26	5	0.10	134	0.008	2	0.36	0.027	0.20	<0.1	<0.01	2.6	0.1	<0.05	1	<0.5	<0.2
130962	Rock	18	6	0.06	144	0.005	<1	0.21	0.027	0.08	<0.1	0.01	2.0	<0.1	<0.05	<1	<0.5	<0.2
130963	Rock	25	4	0.11	137	0.012	<1	0.40	0.037	0.24	<0.1	0.01	2.6	0.1	<0.05	2	<0.5	<0.2
130964	Rock	23	5	0.13	173	0.014	1	0.49	0.043	0.27	0.1	0.01	3.2	0.2	<0.05	2	<0.5	<0.2
130965	Rock	27	4	0.07	165	0.007	<1	0.36	0.042	0.18	0.1	0.02	3.5	<0.1	<0.05	1	<0.5	<0.2
130966	Rock	21	5	0.13	127	0.017	<1	0.48	0.041	0.28	<0.1	0.02	2.9	0.2	<0.05	2	<0.5	<0.2
130967	Rock	23	6	0.16	157	0.025	<1	0.47	0.037	0.30	<0.1	0.01	3.2	0.2	<0.05	2	<0.5	<0.2
130968	Rock	27	4	0.13	151	0.016	<1	0.50	0.042	0.26	<0.1	0.02	2.9	0.2	<0.05	2	<0.5	<0.2
130969	Rock	28	5	0.15	175	0.023	<1	0.55	0.044	0.33	<0.1	<0.01	3.0	0.2	<0.05	3	<0.5	<0.2
130970	Rock	27	4	0.10	126	0.014	<1	0.43	0.047	0.24	<0.1	0.02	2.6	0.2	<0.05	2	<0.5	<0.2
130971	Rock	28	4	0.09	157	0.012	<1	0.45	0.037	0.25	<0.1	<0.01	2.6	0.2	<0.05	2	<0.5	<0.2
130972	Rock	27	5	0.07	140	0.009	<1	0.44	0.047	0.23	<0.1	<0.01	2.5	0.2	<0.05	2	<0.5	<0.2
130973	Rock	39	3	0.06	108	0.007	<1	0.39	0.050	0.18	<0.1	0.01	2.4	0.1	<0.05	2	<0.5	<0.2
130974	Rock	25	4	0.11	179	0.010	<1	0.46	0.040	0.28	<0.1	<0.01	1.8	0.2	<0.05	2	<0.5	<0.2
130975	Rock	17	3	0.05	178	0.003	<1	0.36	0.028	0.24	<0.1	0.01	1.2	0.1	<0.05	1	<0.5	<0.2
130976	Rock	26	3	0.06	172	0.004	<1	0.38	0.032	0.20	<0.1	0.01	2.0	<0.1	<0.05	1	<0.5	<0.2
130977	Rock	37	4	0.06	173	0.003	<1	0.43	0.039	0.20	<0.1	<0.01	1.8	<0.1	<0.05	1	<0.5	<0.2
130978	Rock	48	3	0.05	153	0.003	<1	0.39	0.036	0.22	<0.1	<0.01	1.5	<0.1	<0.05	1	<0.5	<0.2
130979	Rock	26	3	0.06	440	0.003	<1	0.42	0.036	0.23	<0.1	<0.01	1.5	<0.1	<0.05	1	<0.5	<0.2
130980	Rock	27	3	0.08	171	0.004	<1	0.42	0.033	0.24	<0.1	<0.01	1.6	<0.1	<0.05	1	<0.5	<0.2
130981	Rock	31	4	0.09	179	0.005	<1	0.40	0.033	0.24	<0.1	<0.01	1.8	0.1	<0.05	2	<0.5	<0.2
130982	Rock	24	3	0.04	148	0.002	<1	0.42	0.031	0.21	<0.1	<0.01	1.2	<0.1	<0.05	1	<0.5	<0.2
130983	Rock	65	3	0.03	149	0.002	<1	0.33	0.031	0.20	<0.1	0.01	1.6	<0.1	<0.05	<1	<0.5	<0.2
130984	Rock	31	3	0.02	78	0.002	<1	0.31	0.038	0.15	<0.1	<0.01	1.1	<0.1	<0.05	1	<0.5	<0.2
130985	Rock	35	3	0.02	110	0.002	<1	0.35	0.040	0.19	<0.1	0.02	1.2	<0.1	<0.05	1	<0.5	<0.2
130986	Rock	48	3	0.13	170	0.014	<1	0.55	0.034	0.33	<0.1	0.02	3.9	0.2	<0.05	3	<0.5	<0.2

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Project: SULPHUR
Report Date: September 17, 2013

Page: 1 of 1

Part: 1 of 2

QUALITY CONTROL REPORT

WHI13000389.1

	Method Analyte Unit MDL	WGHT	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	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	0.001
Pulp Duplicates																					
130970	Rock	1.17	0.6	5.7	19.7	37	<0.1	2.5	1.3	143	1.08	11.2	51.8	11.8	4	<0.1	0.2	<0.1	4	0.02	0.011
REP 130970	QC		0.5	5.6	18.8	37	<0.1	2.4	1.2	142	1.07	11.0	82.7	11.3	4	<0.1	0.2	<0.1	4	0.03	0.011
130979	Rock	0.96	0.1	2.8	14.0	14	<0.1	1.4	0.6	65	0.53	2.3	1.4	14.0	4	<0.1	0.1	<0.1	<2	0.01	0.005
REP 130979	QC		<0.1	2.9	13.6	13	<0.1	1.3	0.7	66	0.53	2.3	1.2	12.9	4	<0.1	0.1	<0.1	<2	0.01	0.004
Core Reject Duplicates																					
130983	Rock	1.05	3.4	6.4	89.6	15	0.2	1.3	0.4	46	0.49	1.7	3.7	13.4	3	<0.1	0.6	0.1	<2	<0.01	0.012
DUP 130983	QC		3.8	7.2	97.0	17	0.3	1.6	0.5	57	0.54	2.3	4.3	14.8	3	0.1	0.7	0.1	<2	<0.01	0.014
Reference Materials																					
STD DS9	Standard		13.9	103.3	132.9	309	1.8	40.5	7.3	589	2.34	24.9	118.5	6.8	60	2.1	4.9	5.9	42	0.73	0.084
STD DS9 Expected			12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
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	<0.001
Prep Wash																					
G1-WHI	Prep Blank		<0.1	5.5	3.6	41	<0.1	9.0	4.3	530	1.82	<0.5	1.5	5.2	44	<0.1	<0.1	0.1	36	0.43	0.070
G1-WHI	Prep Blank		<0.1	3.6	3.0	44	<0.1	3.9	3.8	536	1.81	<0.5	0.9	4.8	40	<0.1	<0.1	<0.1	34	0.45	0.069

Acme Analytical Laboratories (Vancouver) Ltd.

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Project: SULPHUR
Report Date: September 17, 2013

Page: 1 of 1

Part: 2 of 2

QUALITY CONTROL REPORT

WHI13000389.1

	Method Analyte Unit MDL	1DX15	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	Ti	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																		
130970	Rock	27	4	0.10	126	0.014	<1	0.43	0.047	0.24	<0.1	0.02	2.6	0.2	<0.05	2	<0.5	<0.2
REP 130970	QC	27	4	0.11	124	0.013	<1	0.45	0.048	0.24	<0.1	0.03	2.6	0.1	<0.05	2	<0.5	<0.2
130979	Rock	26	3	0.06	440	0.003	<1	0.42	0.036	0.23	<0.1	<0.01	1.5	<0.1	<0.05	1	<0.5	<0.2
REP 130979	QC	26	3	0.06	443	0.003	<1	0.38	0.035	0.23	<0.1	<0.01	1.5	<0.1	<0.05	1	<0.5	<0.2
Core Reject Duplicates																		
130983	Rock	65	3	0.03	149	0.002	<1	0.33	0.031	0.20	<0.1	0.01	1.6	<0.1	<0.05	<1	<0.5	<0.2
DUP 130983	QC	70	3	0.04	177	0.002	<1	0.40	0.032	0.21	<0.1	0.01	1.8	<0.1	<0.05	1	<0.5	<0.2
Reference Materials																		
STD DS9	Standard	13	121	0.62	287	0.099	<1	0.97	0.084	0.40	3.0	0.22	2.3	5.2	0.17	5	5.5	5.2
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
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-WHI	Prep Blank	10	12	0.54	172	0.093	2	0.86	0.079	0.48	<0.1	<0.01	1.9	0.3	<0.05	4	<0.5	<0.2
G1-WHI	Prep Blank	12	7	0.48	157	0.093	1	0.85	0.089	0.49	<0.1	<0.01	2.0	0.3	<0.05	5	<0.5	<0.2

Appendix D - Ground Truth Geoprobe® Procedures



GroundTruth Exploration Inc.

Box 70, Dawson YT, Y0B 1G0 (867) 993-5612

GEOPROBE STANDARD OPERATING PROCEDURE

To:

Date:

/2013

From:

Re:

Personnel : The surveys are conducted by the following Groundtruth personnel :

Dan Murray -	Lead Geo Probe Operator
Ross Reed -	Lead Sampling Technician
Mark Grossman -	Line Cutter / Sampling Assistant / Surveyor

- A. Instruments and Equipment :** The crew is equipped with the following instruments and equipment.

Geo Probe Bedrock Interface sampler :

Remotely controlled track platform with hydraulically operated bedrock interface sampler on tilting mast. The Geo Probe has 1650 sq. inches of track coverage with less than 1.0 psi ground pressure. The entire unit is powered by a gasoline engine and is completely hydraulically operated.

Geo Probe Dimensions :

Width – 50”
Length – 96”
Height – 48”
Weight – 2450 lbs.

Geo Probe Sampling Rod / Extension Dimensions:

Length – 90cm
Inner Diameter – 1.50”
Outer Diameter – 2.25”

XRF – Innovex DELTA portable handheld XRF

Survey GPS – Ashtech PROMARK 100 GPS

Field Handheld Device – Aceca Meazura MEZ1500 Data logger / barcode scanner

Data Processing – Laptop computer with proprietary ‘Truthware’ software for synchronous download of handheld / GPS / photos / XRF data

Satellite Internet – Portable Satellite Internet for nightly data downloads.



GroundTruth Exploration Inc.

Box 70, Dawson YT, Y0B 1G0 (867) 993-5612

B. Geo Probe Standard Operating Procedure:

Overview

This document outlines the standard operating procedures used to collect rock chip and soil samples which have been extracted by the Geo Probe Bedrock Interface Sampler (GP) and analyzed by the field portable XRF. This describes the methodology behind the Geo Probe Survey based on Yukon Projects conducted during the 2013 field season.

Geo Probe Sampling :

1. Planned line is cut and picketed with sample locations at 5m intervals.
 2. Sampling Technicians setup XRF sampling station midway on the planned line.
 3. Geo Probe operator drives machine to sample location at start of planned line.
 4. Once Geo Probe is in position and setup, the operator drives the first sampling rod to 90cm then extracts sample and discards.
 5. Then a second sampling rod is put into the existing hole with an extension and is driven to bedrock interface (90cm – 450cm). Geo Probe Operator then extracts sampling rod which contains bedrock interface sample and passes it onto the Sampling Assistant who takes it to the XRF station to be sampled.
 6. Operator moves Geo Probe to the next 5m sample location.
 7. At the XRF sampling station the Technician uses a scraping tool remove the outermost layer of material from the cut out in the sampling rod. The purpose of this is to eliminate the possibility of cross contamination by smearing dirt while extracting the rod.
 8. Technician empties sample from the sampling rod into the top tray on the custom core box, making sure to empty it in a way that the depth from where the sample was taken from, matches up with the same depth indicated on the measuring tape that he lays across the core box (cm).
 9. Technician places sample ID barcode tag and colour card alongside the contents of extracted material in core box and takes a photo of bedrock interface profile.
 10. A representative rock chip is taken out of the bottom section of the sample (bedrock interface) and XRF analyzed. This rock chip is stored in a chip tray.
-



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11. Technician stacks a 4 mesh sieve on top of an 80 mesh sieve with a plastic tray underneath and empties selected sample material into coarse 4 mesh sieve. Shakes sieves until large rocks remain in 4 mesh sieve, fine rocks remain in 80 mesh sieve and all soil remains in plastic tray.
12. 4 mesh and 80 mesh rocks from sieves are washed lightly and placed on photo tray with sample ID barcode and colour card and photo is taken.
13. All rocks in the 4 mesh and 80 mesh sieves are put into small ore bag with sample ID barcode and ready for lab analysis.
14. Soil is collected from plastic tray and put into 40gram bag with sample ID barcode number written on bag and XRF analyzed. Sample is held for retention.
15. Soil remaining in plastic tray is placed on photo tray with sample ID barcode and colour card and photo is taken.
16. Technician places soil into Kraft bag (soil envelope) with sample ID barcode written on bag. Sample is held for retention.
17. Assistant returns sampling rod to Geo Probe Operator and takes reading on Ashtech PROMARK 100 GPS of sampled location.

Preparing samples for shipment

1. Label two rice bags, one for rocks and one for soils, with the shipper, client, project code, number and type of samples (rock or soil).
2. Prepare QAQC samples so the ratio of 25 samples to one QAQC sample is maintained. This means that for each man day bag of rocks and soils there will be a QAQC sample included. Alternate between standards and blanks daily (assuming production will equal ~ 25 holes/day)
3. Zip rice bag closed with red security tag and record number with the date samples were collected in Excel spreadsheet.

C. Data Processing :

Data is downloaded and sent to Groundtruth Headquarters nightly and a USB stick is loaded for backup.

Appendix E - Ground Truth IP/Res Report



GROUND TRUTH EXPLORATION INC

December 11, 2013

Geophysical Survey Report:
High Resolution Resistivity and Induced Polarization
Sulphur Project
Dawson Mining District
NTS Sheets 115O14 & 115O10
63°42'N. Lat., 138°47'W. Long.

for
Taku Gold Corp.

Date of Survey: November 9-14, 2013
Date of Report: December 11, 2013

Box 70, DAWSON, YT
Y0B 1G0



Table of Contents

Table of Contents

Table of Figures

1	Introduction.....	3
2	Survey	3
2.1	Personnel	3
2.2	Survey Summary and Arrays	3
2.3	Field Survey Operating Procedures.....	5
2.4	Data Processing.....	5
3	Survey Results and Interpretation.....	5
3.1	Results	5
3.2	Interpretation	6
Appendix A - Survey Theory		
Appendix B - Survey Statistics		
Appendix C - Equipment Specifications		

Table of Figures

Figure 1 - Survey Location.....	4
Figure 2 - Section 4400mN (Si-3 Array).....	7
Figure 3 - Section 4500mE (Si-3 Array).....	8
Figure 4 - Section 4600mN (Si-3 Array).....	9
Figure 5 - Section 4700mN (Si-3 Array).....	10
Figure 6 - Section 4800mN (Si-3 Array).....	11
Figure 7 - Section 4900mE (Si-3 Array).....	12
Figure 8 - Resistivity Level Maps	13



December 11, 2013

GROUND TRUTH EXPLORATION INC

1 Introduction

Taku Gold Corporation ("Taku") of Vancouver, BC commissioned Ground Truth Exploration Inc. ("Ground Truth") out of Dawson City, Yukon to do work on the Sulphur Property ("Sulphur" or the "Property"). Sulphur is part of Taku's large land holdings in White Gold area of Yukon which lies within the prolific Tintina Gold Belt that has produced nearly 40 million ounces of gold. The Sulphur claim block is situated 45 km southeast of Dawson in the Dawson Mining District on NTS Sheets 115O14 & 115O10. The approximate center of the property is 63°42'N. Lat., 138°47'W. Long. The geophysical surveys took place on the "Blues" zone (Figure 1): an existing soil and Geoprobe® geochemical anomaly where limited trenching and drilling has been undertaken by Taku. Results of these surveys form the basis of this report. Additional work and interpretation has been left to the client's discretion.

2 Survey

2.1 Personnel

The survey was conducted by the following Ground Truth Exploration personnel:

- Richard Daigle, Lead Geophysical Operator and Crew Chief
- Hector Barrientos, Secondary Lead and GPS Technician
- Dan Murray, Geo Technician
- Robin Miller, Geo Technician
- Tyler Beck, Geo Technician

2.2 Survey Summary and Arrays

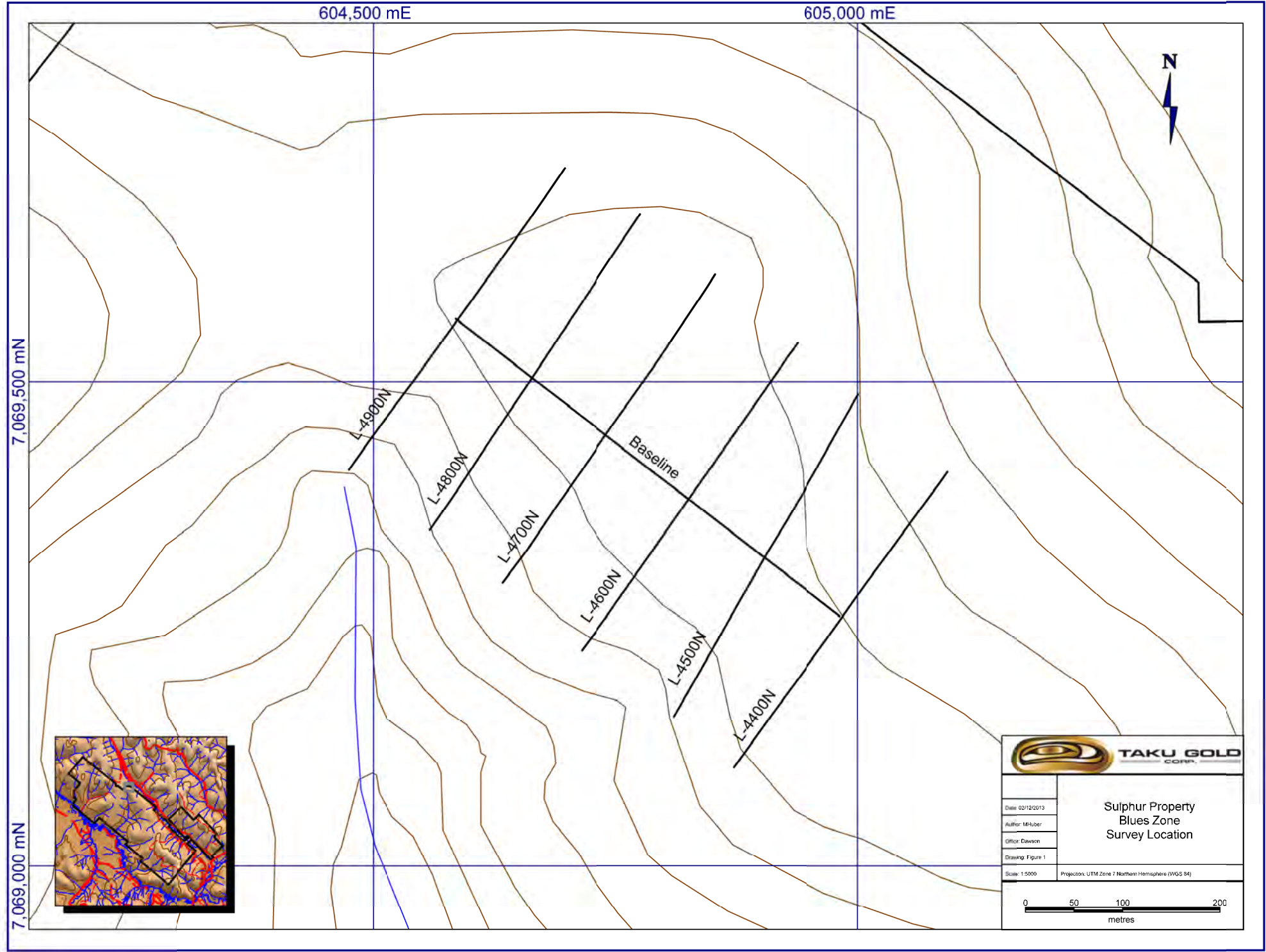
The line-cutting and high definition DC ("HRDC") Resistivity ("Res") and induced polarization ("IP") surveys were conducted from November 8 to 15, 2013. The survey consisted of six parallel traverses each of 415m horizontal length, oriented at 039° azimuth and bisecting a 500m long base line at 127° azimuth. Multiple arrays were used to maximize qualitative data on the ground that, at the time, had unknown properties. The survey started on the line furthest to the northwest and the crew worked lines successively to the southeast.

Three arrays were surveyed for both Res and IP as follows and as described in more detail in Appendix A:

- Inverse Schlumberger (Si), 84 Electrode, 415m Hz length
- Pole-Dipole (PD), 84 Electrode, 415m Hz length
- Pole-Pole (PP), 84 Electrode, 415m Hz length

Once onsite, the crew determined high contact resistance conditions due mainly to low conductivity of soil and frozen ground and decided that the survey should be done with arrays with the strongest signal to noise ratio to overcome the high contact resistance.

Box 70, DAWSON, YT
Y0B 1G0



 TAKU GOLD CORP.		
Sulphur Property Blues Zone Survey Location		
		Date: 02/12/2013
		Author: M. Huber
		Officer: Dawson
Drawing: Figure 1		
Scale: 1:5000	Projection: UTM Zone 7 Northern Hemisphere (WGS 84)	
050100200 metres		



The survey lines were oriented parallel to the existing trenching and Geoprobe® survey. Electrode spacing was set at 5m and all lines were surveyed with a spread of 84 electrodes covering a total horizontal length of 415m per profile.

2.3 Field Survey Operating Procedures

The survey is completed in the field according to the following steps:

- A crew of five is utilized to run the survey
- Midpoint of traverse line is located using differential GPS and line is sighted and established in both directions using compass and pickets
- Minimal brush is cut along line to sight pickets and lay cables
- Crew measures electrode positions at 5m spacing with measuring tape
- Electrodes placed and hammered to depth of 50cm (15% of electrode spacing)
- Cables are laid and attached to electrodes
- Contact resistance test ("CRT") is conducted
- Calcium chloride added to all electrodes >2k ohms and CRT redone
- Extra electrodes added to electrodes with high contact resistance and CRT redone
- Survey is done once satisfactory contact resistance is achieved
- Operator does survey while Assistant operator establishes differential GPS line and the rest of the crew moves to prepare next line

2.4 Data Processing

The collected data is downloaded in the field after every array and checked for integrity. This allows any field errors to be identified and corrected before moving the equipment. The RES/IP data is processed every evening by the lead operator in the field using EarthImager2D software provided by Advanced Geosciences Inc. Resistivity data misfits are removed and the cleaned data-set is inverted. The same process is done with the IP data. Terrain corrections collected using the differential GPS are applied to the inversions. The GPS data is processed using GNSS Solutions software. All unedited data is archived along with the command files for later verification if required. A *.csv is created containing the collected GPS traverse points. A *.shp file is created containing the collected GPS traverse points. A table of surveyed electrode XYZ locations is provided. Files containing inverted IP & RES data are provided.

3 Survey Results and Interpretation

3.1 Results

The HRDC Res/IP survey covered six 415m traverse lines using three separate arrays covering a strike length of 500m. The data was clipped of spikes and 2% noise threshold to obtain a total of 30,501 resistivity and 30,634 chargeability data points as assessed here-in (Appendix B). The Schlumberger Inverted array (Si-3) was determined to provide the best overall signal to noise ratio with most lateral coverage and is the method of map and section presentation. The inversions of the collected data make up an important part of interpretations as well as the



December 11, 2013

GROUND TRUTH EXPLORATION INC

standard pseudo sections. Inversion anomalies beyond 50M down cannot be appraised by the interpretation technique(s) used for this survey. However additional depth can be inferred relying on pseudo-sections. The pole-pole array was implemented in hopes to evaluate horizontal impacts. The low conductivity aspect of the ground rendered the interpretation of the gathered data survey to be difficult.

The unconsolidated surficial geology impeded the results as is commonly seen in the White Gold area. The anomalies produced are mostly due to electronic effects rather than good electrical conductors. The surficial material produced higher than usual contact resistance. Also, due to freezing conditions, the use of saline solution tripled. It is suspected that the composition of the surficial material is relatively acidic, therefore offering above average IP effects.

Due to the conditions outlined above, the overall interpretation relied mainly on the resistivity data. Induced polarization is most reliable delineating flanking or associated alteration effects such as IP lows that depict oxidized areas that may indicate auriferous zones.

3.2 Interpretation

Figures 2 to 7 show Schlumberger Inverted array (Si-3) pseudo-sections for all six traverses. The following discussion is based on an interpretation of the sections. On sections L4400mN to L4700mN inclusive there is an inferred contact trending NW-SE (bisecting the grid, east of BL 1000mE) marked by a resistivity low against a chargeability high. This association insinuates sulphide enrichment (perhaps contact-IF type). The remaining L4800mN and L4900mN sections all show a resistivity low, flanked by chargeability high (halo). It is suspected that the underlying area may host an enrichment of alteration materials. This area may be cross-cut by a structure as discussed below.

Figure 8 shows six different levels representing apparent resistivity limited to pre-gridded 25M thicknesses. The results infer a prominent NW-SE contact, with a sill/ or finger limited in strike seen on levels 675-700 and 700-725. Two significant resistivity lows need mention. The first is seen on all levels in the northwest portion of the survey and suggests a relatively deep seated feature with a northeast strike. The second is seen on all levels east and north of the baseline and appears to be vertical and then flaring at depth.

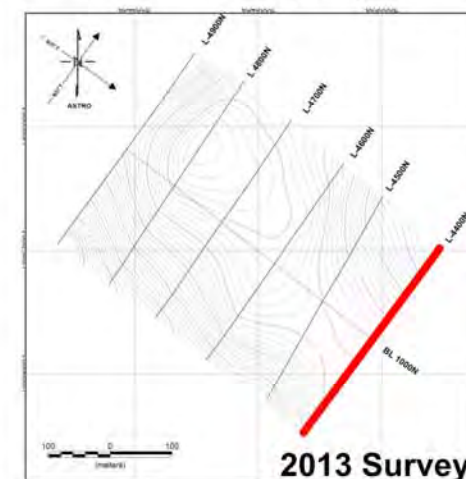
The Schlumberger Inverted array (Si-3) does not favour delineating dips but all other arrays suggest that bedrock dips to the southwest. The survey traverses were positioned too far south to properly evaluate the resistivity lows but are well centered for mapping the contact zone mentioned above. It should be noted that surficial effects on the chargeability sections are always higher reading over unit underlying the grid west area. Finally a narrow resistivity high flanking a narrow resistivity low on section L4400mN may be significant. It is open in all directions.

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Y0B 1G0

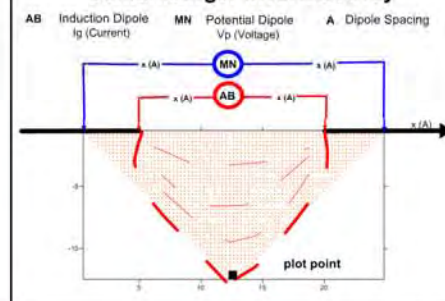
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INVERSION

HRDC Resistivity/ IP IMaging
Sulphur Property



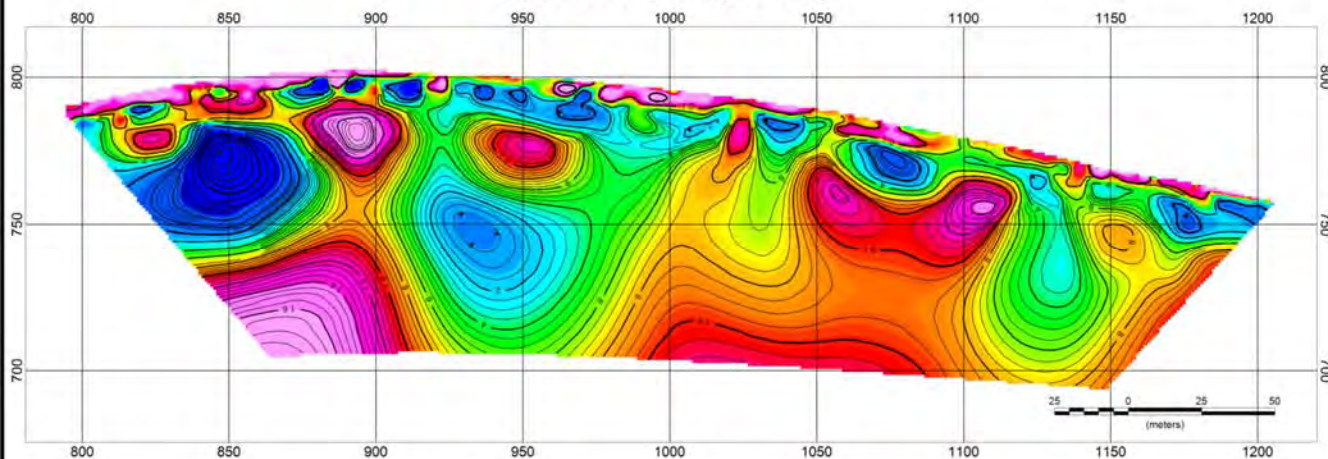
Schlumberger Inverted Array



GROUNDTRUTH
EXPLORATION

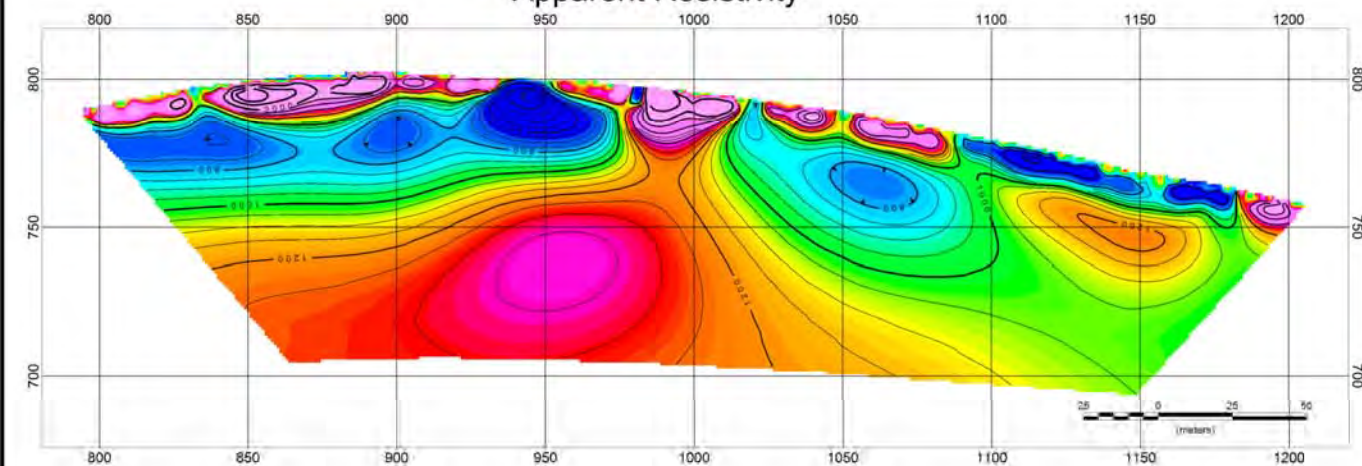
INTERPRETATION

Apparent Chargeability



INTERPRETATION

Apparent Resistivity

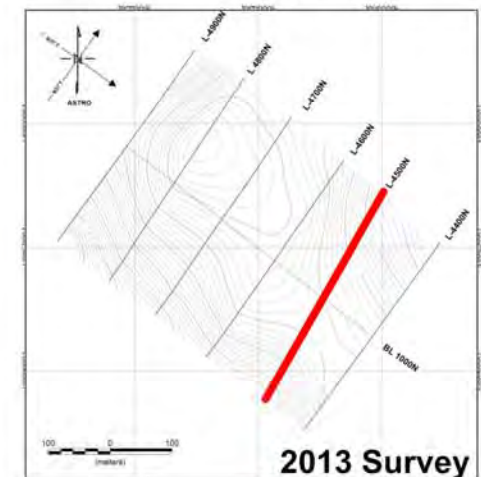


Section L 4500N

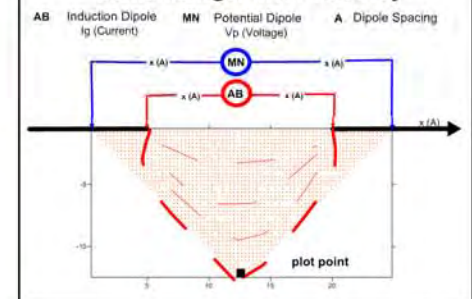
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HRDC Resistivity/ IP IMaging

Sulphur Property



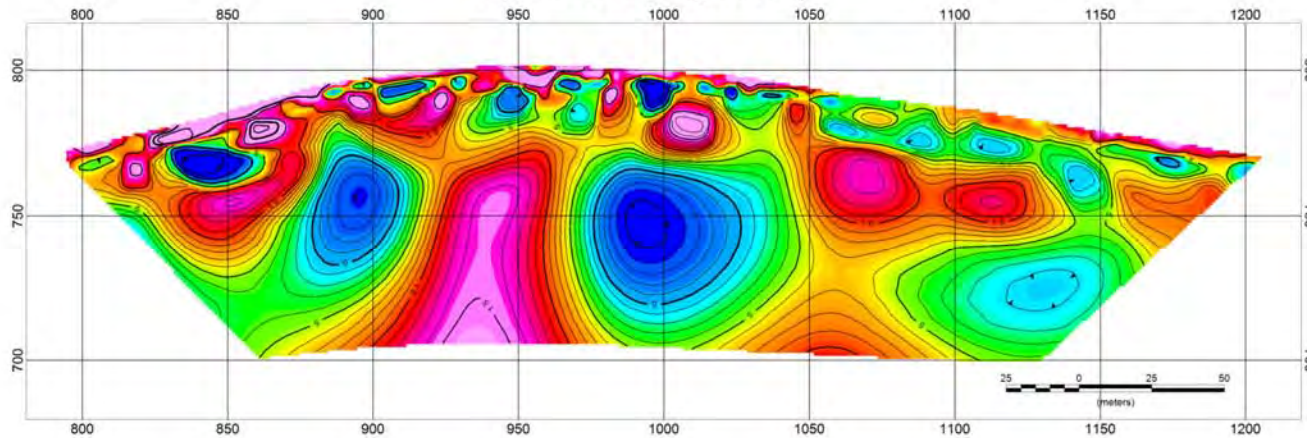
Schlumberger Inverted Array



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EXPLORATION

INTERPRETATION

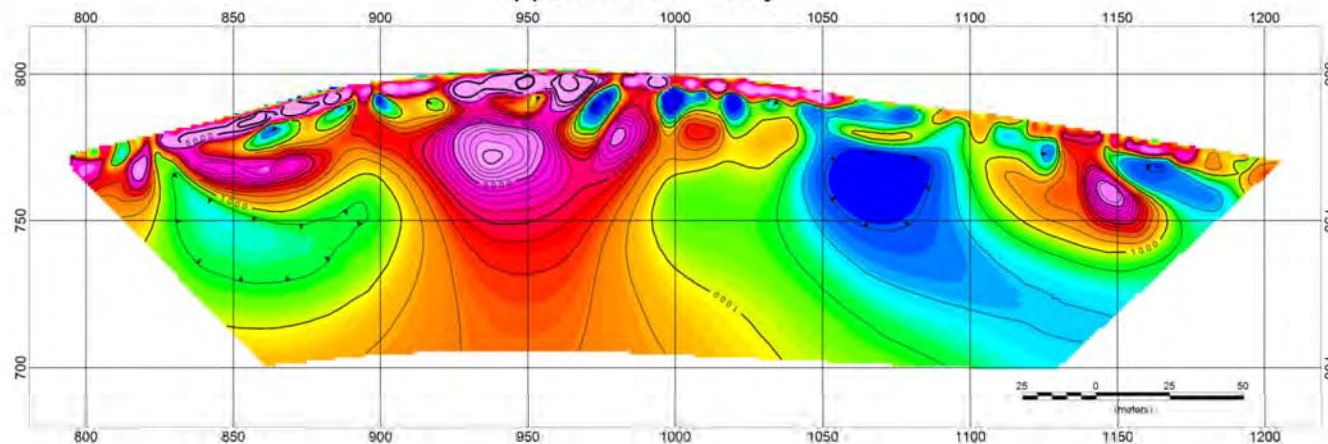
Apparent Chargeability



(mV/V)

INTERPRETATION

Apparent Resistivity



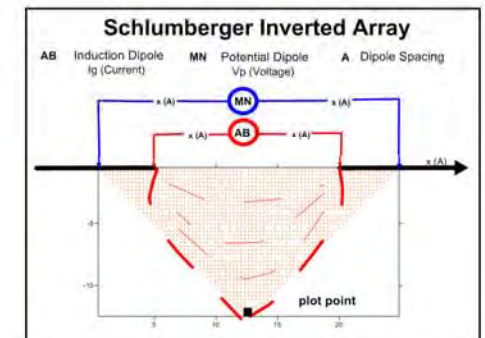
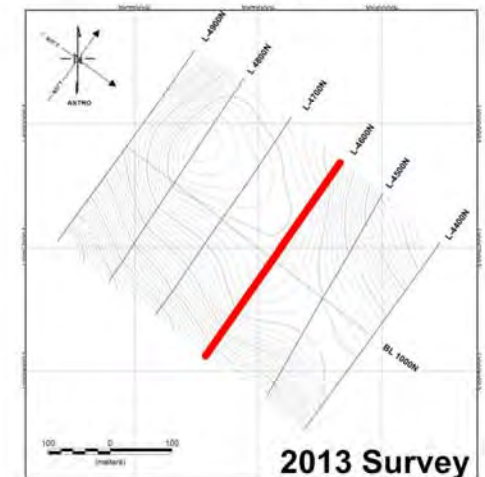
(ohm/M)

Section L 4600N

INVERSION

HRDC Resistivity/ IP IMaging

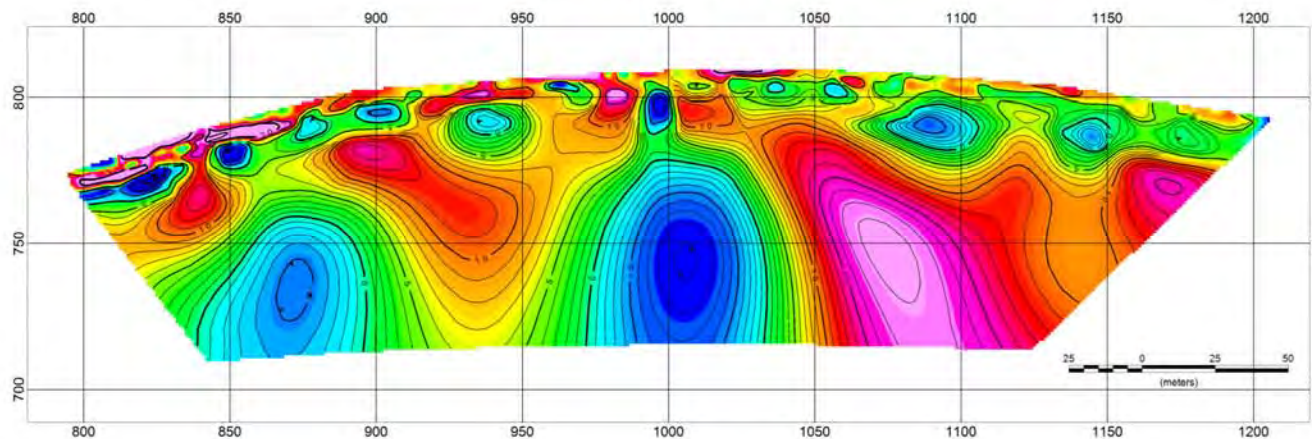
Sulphur Property



GROUNDTRUTH
EXPLORATION

INTERPRETATION

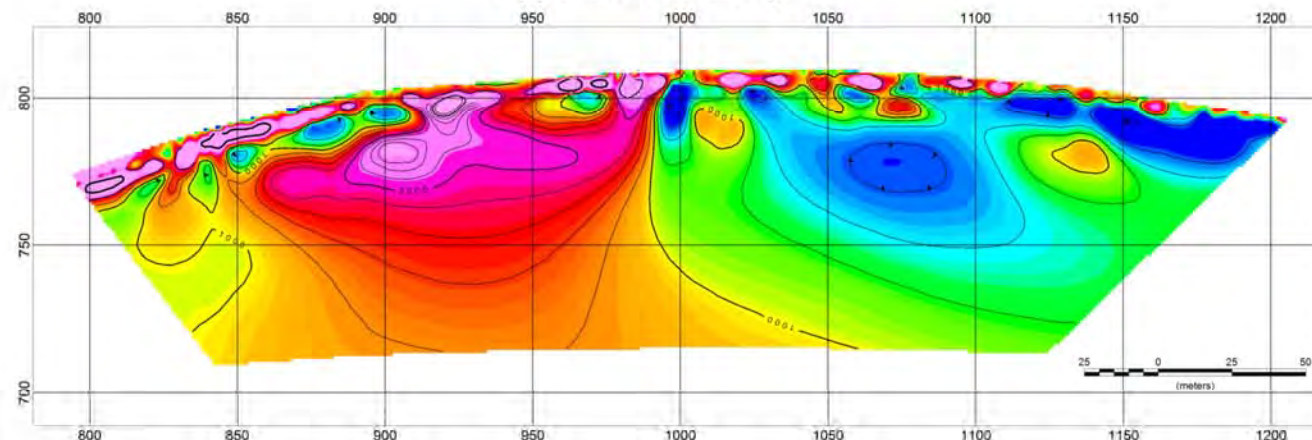
Apparent Chargeability



(mV/V)

INTERPRETATION

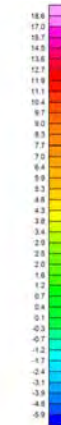
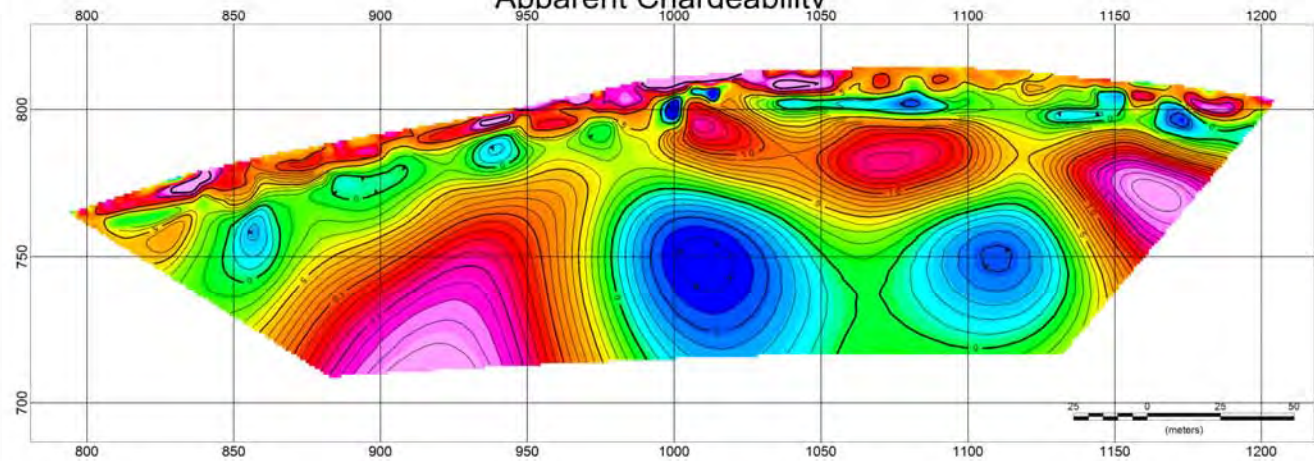
Apparent Resistivity



(ohm/M)

INTERPRETATION

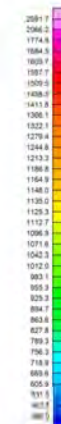
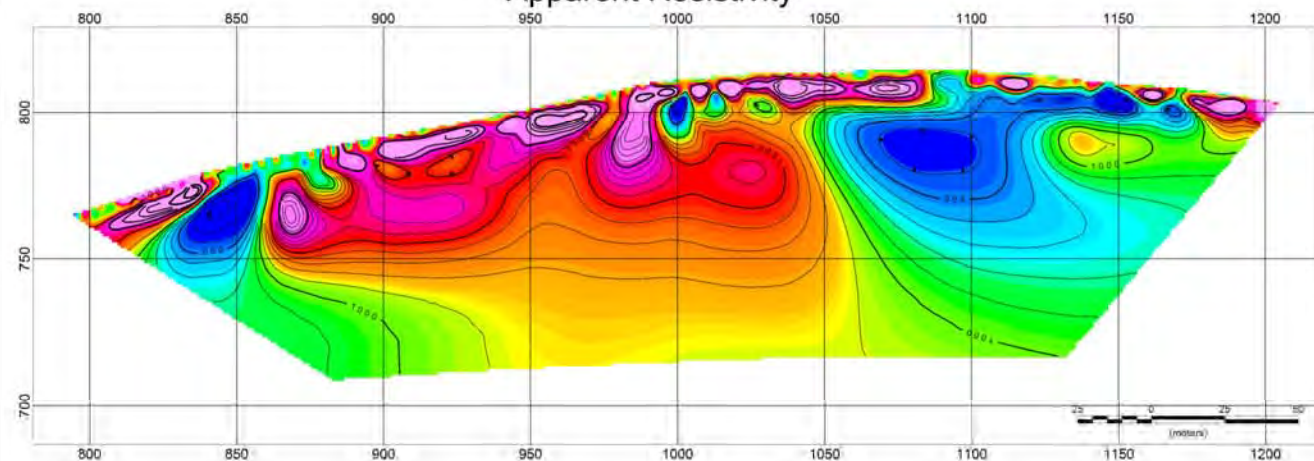
Apparent Chargeability



(mV/V)

INTERPRETATION

Apparent Resistivity



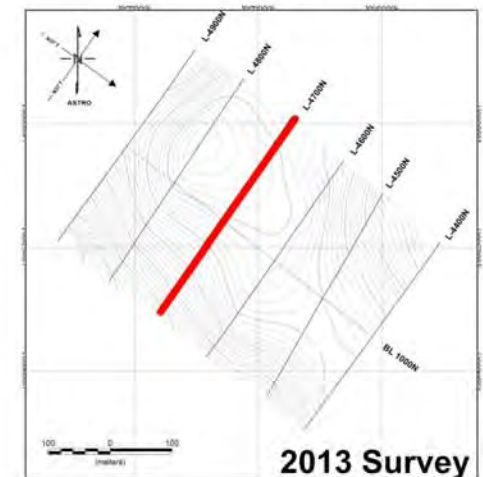
(ohm/M)

Section L 4700N

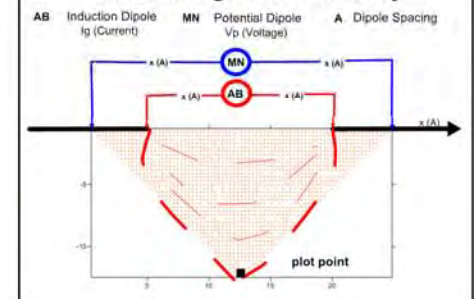
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HRDC Resistivity/ IP IMaging

Sulphur Property



Schlumberger Inverted Array



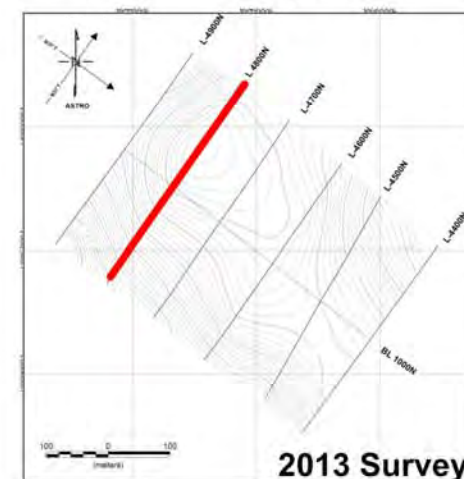
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Section L 4800N

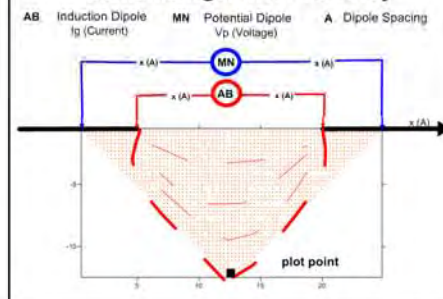
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HRDC Resistivity/ IP IMaging

Sulphur Property



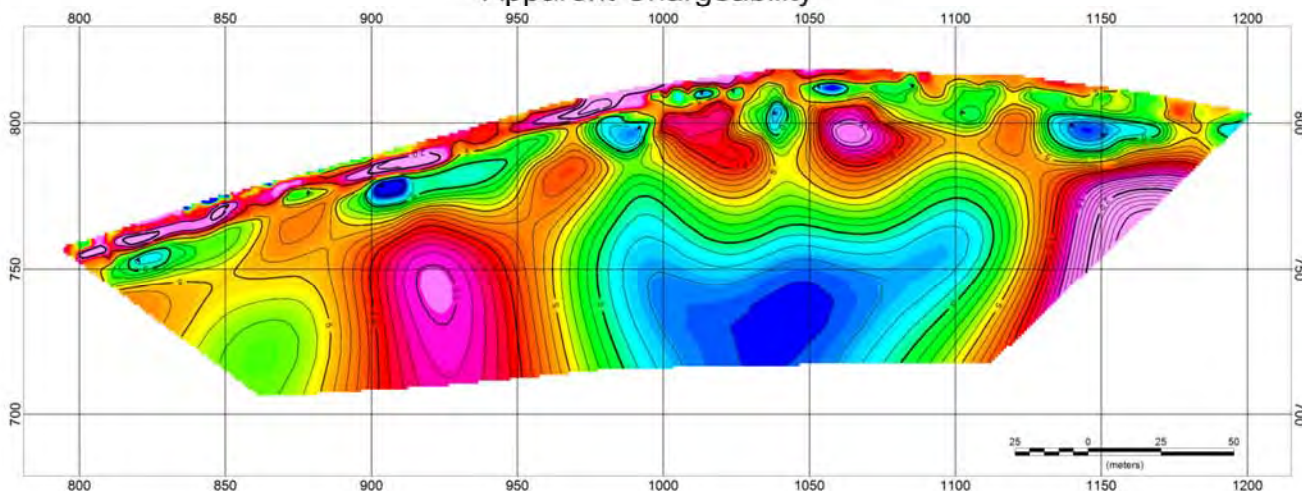
Schlumberger Inverted Array



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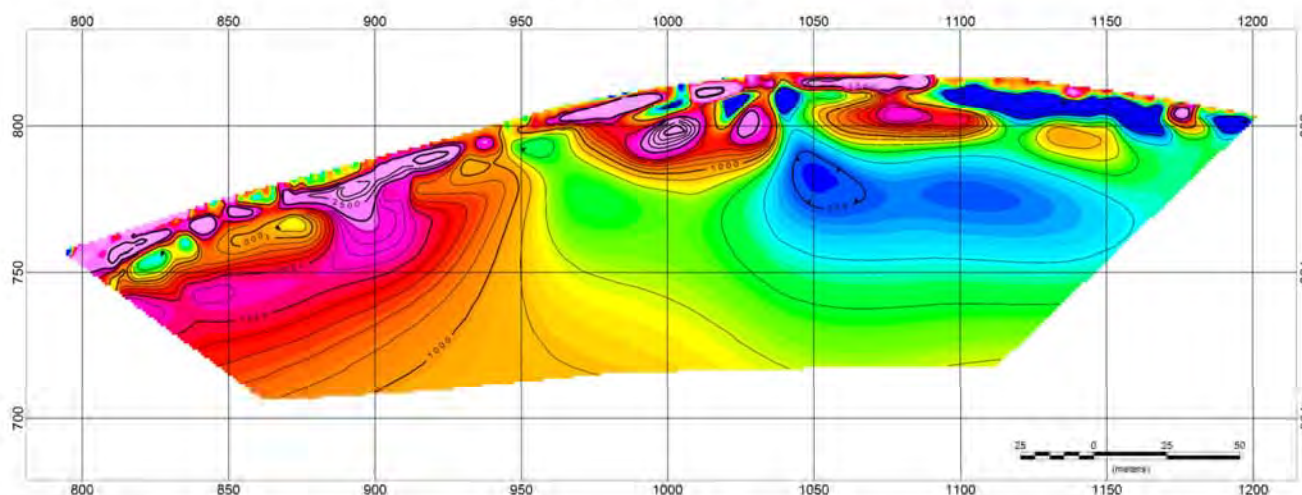
INTERPRETATION

Apparent Chargeability



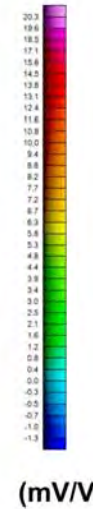
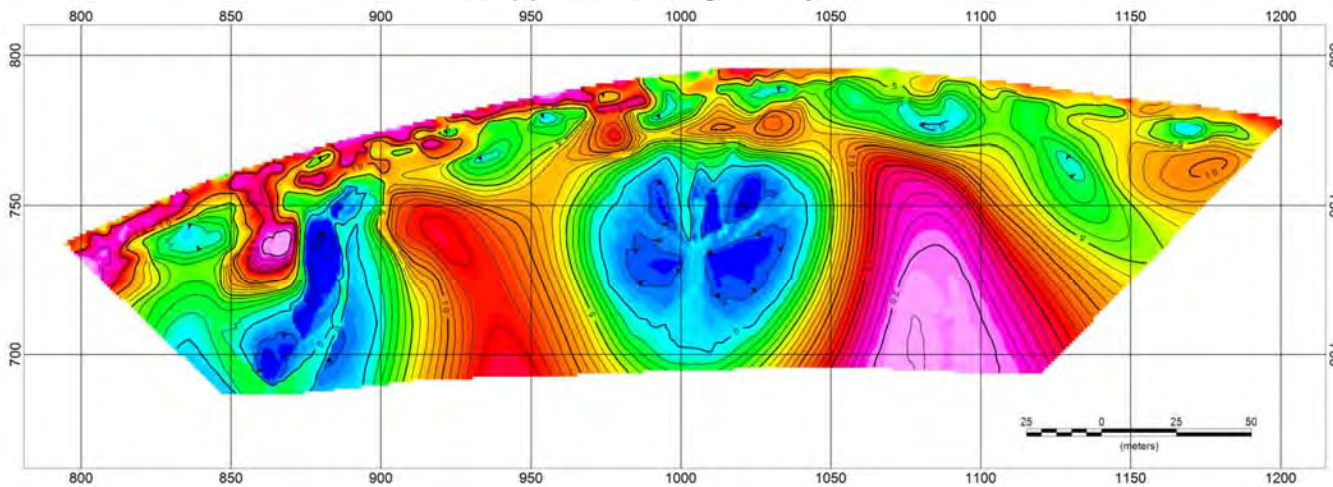
INTERPRETATION

Apparent Resistivity



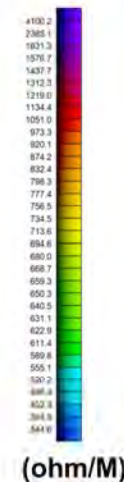
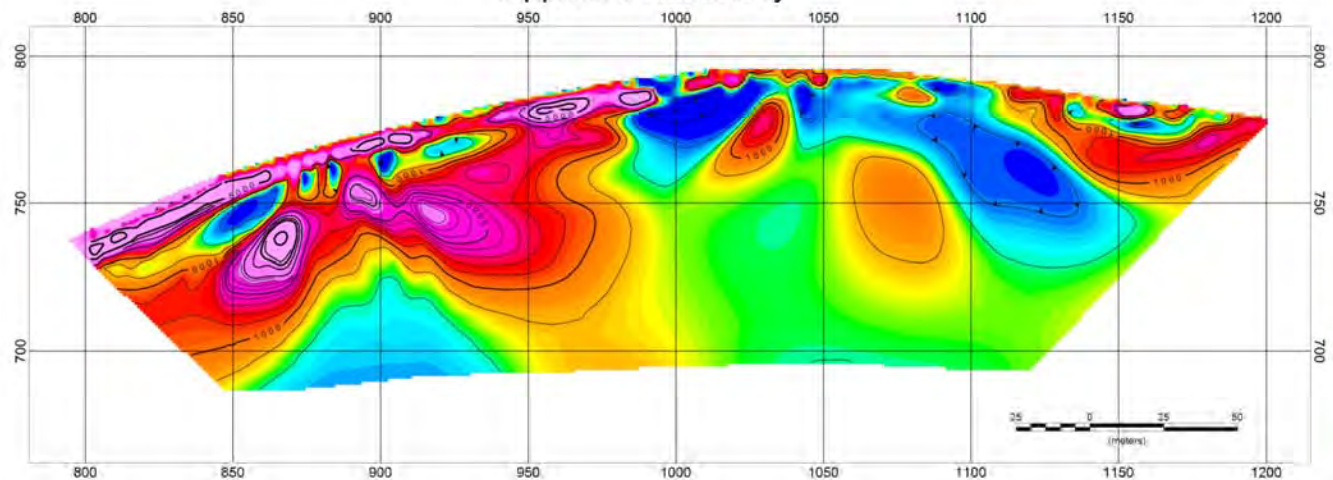
INTERPRETATION

Apparent Chargeability



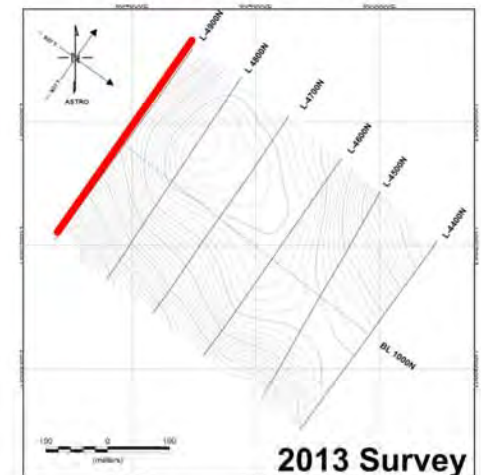
INTERPRETATION

Apparent Resistivity

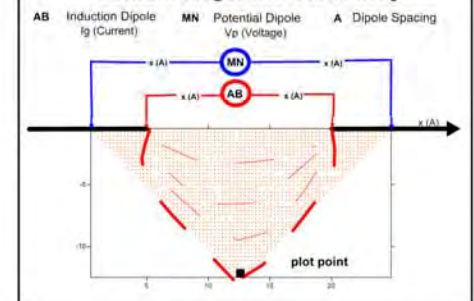


Section L 4900N

INVERSION
HRDC Resistivity/ IP IMaging
Sulphur Property



Schlumberger Inverted Array



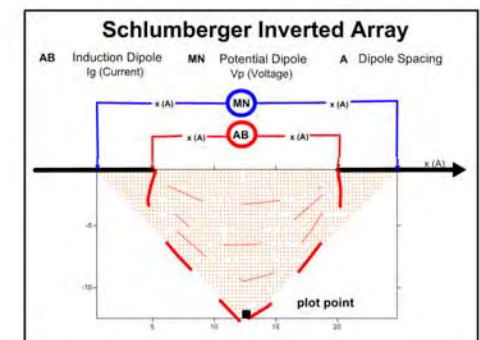
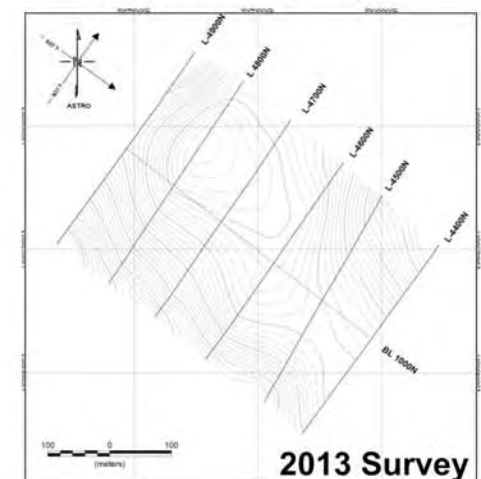
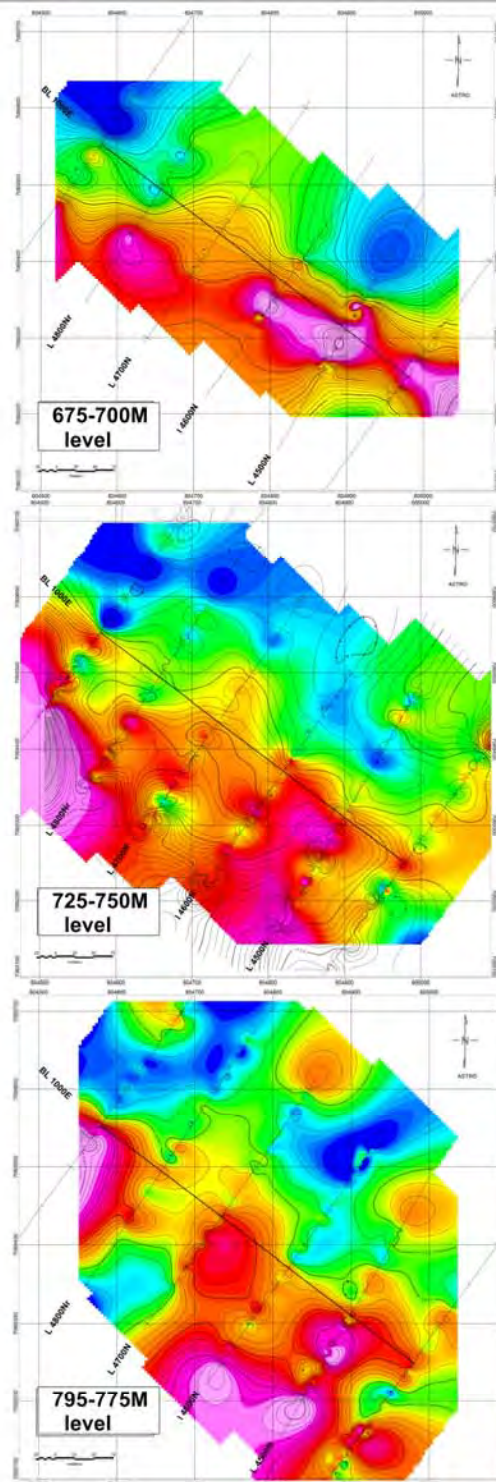
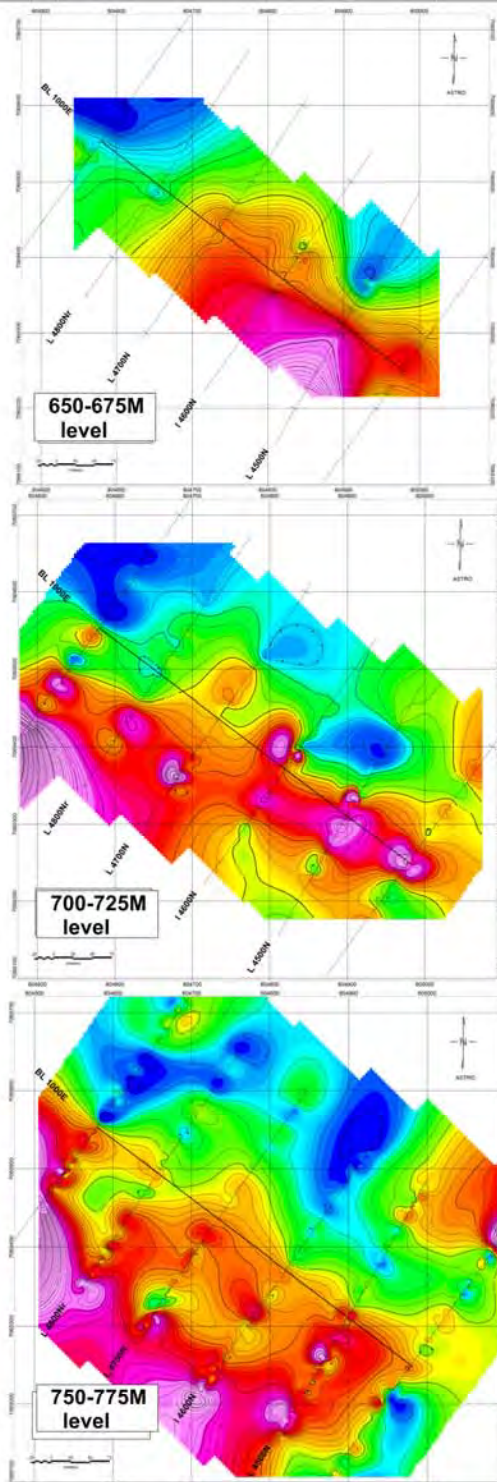
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Resistivity Level Maps

INVERSION

HRDC Resistivity/ IP IMaging

Sulphur Property



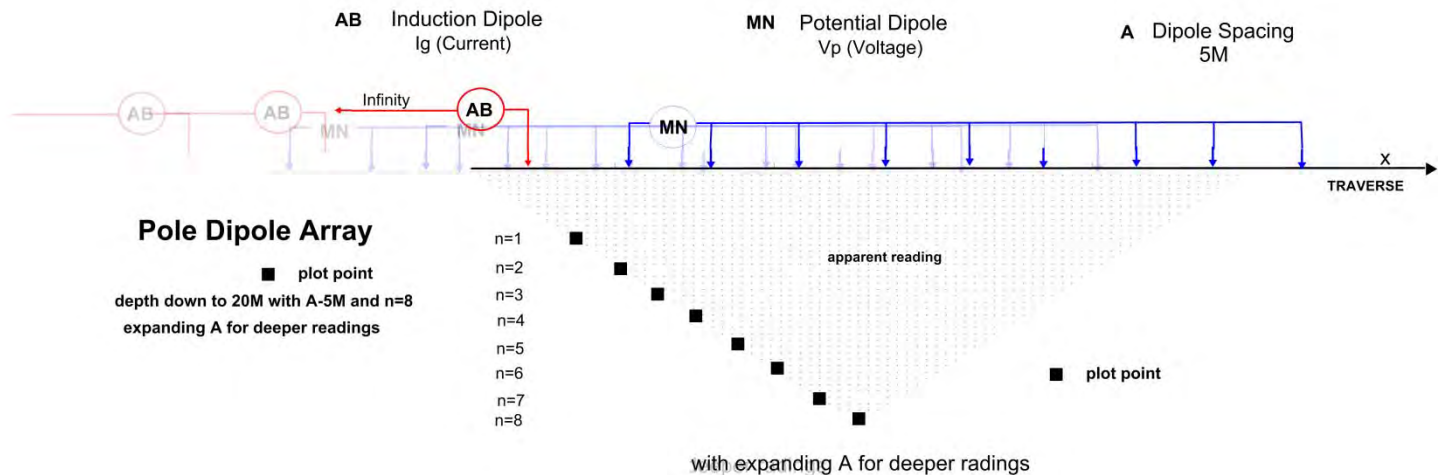


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December 11, 2013

Appendix A - Survey Theory

Box 70, DAWSON, YT
Y0B 1G0



Geometry

Most common of arrays, directional current inductions mainly favored to delineate bodies having dip(s). Current electrodes always lagging potential electrodes. Attention to of current inductions direction important when interpreting data. Known to produce typical pant-leg anomalies when both AB and MN electrodes cross a zone.

Set-up

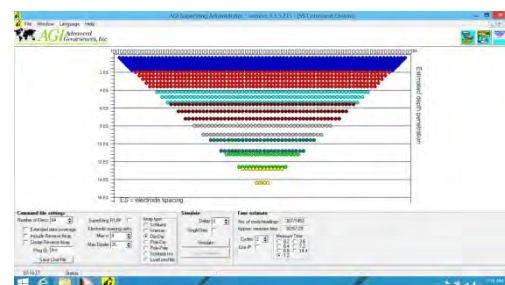
Once a designated traverse is located, 84 electrodes are put into the ground pre extending 6x cables of 14 connections amounting to a 415M Traverse. The Supersting Transmitter/ Receiver (Tx/Rx) along with power-pack and switch-box are always centrally positioned.

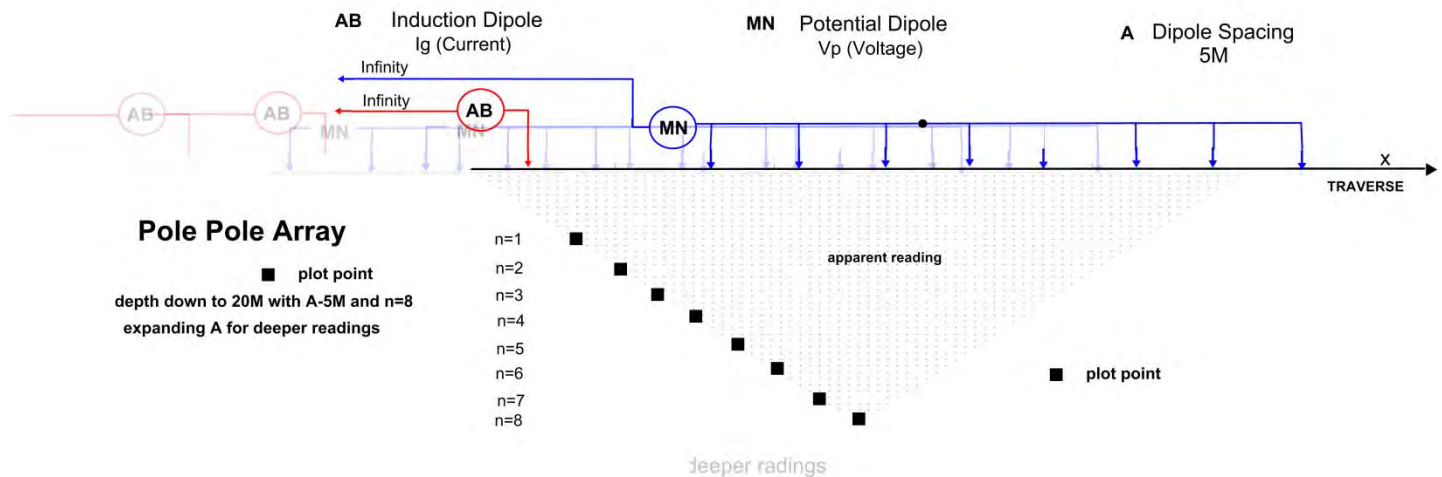
A designated Dipole-Dipole Array command file was loaded in the Supersting performing:

1453 sample points, with an estimated 57.29min lapse-time, Maximum n (depth level) kept at 8 for best Signal/Noise, and Maximum dipoles of 26.

AB: 5,10,15,20,25, and 30M, 5 x expansions reversed to traverse direction

MN: 5M till $n=8$, then 10M until $n=8$, then 20M until EOL





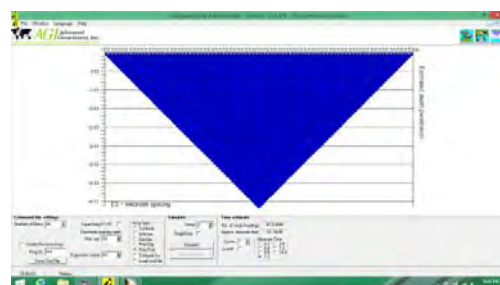
Geometry

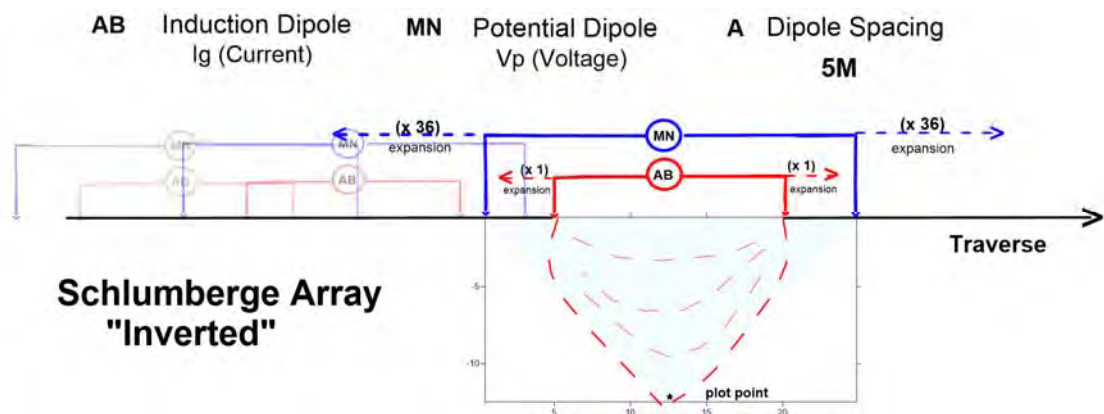
Most often used to increase S/N, directional current inductions mainly favored to delineate bodies having dip(s). Current electrodes always lagging potential electrodes. Attention to current inductions (direction) important when interpreting data. Known to produce typical pant-leg anomalies when both AB and MN electrodes cross a zone.

Set-up

Once a designated traverse is located, 84 electrodes are put into the ground pre extending 6x cables of 14 connections amounting to a 415M Traverse. The Supersting Transmitter/ Receiver (Tx/Rx) along with power-pack and switch-box are always centrally positioned. INFINITY ELECTRODES: Current 5500N/ 1050E, Potential 200M South for all lines read, a designated Pole-Pole Array command file was loaded in the Supersting performing:

3486 sample points, with an estimated 1:14:06 lapse-time,





Geometry

Symmetric, vertical sounding technique is reliable delineating axis of zones. Termed inverted because the original design of the Schlumberger has inducing current electrodes outside potential electrodes. Also very useful isolating narrow, weak zones.

“Si-1” AB = 5M MN= 15M to 360M (36 expansions both directions). Narrow Zones Favored.

“Si-2” AB= 5M MN= 15M to 65M first four levels. Shallow (limited depth extent) Zones Favored.

AB=15M MN= 15M to 360M

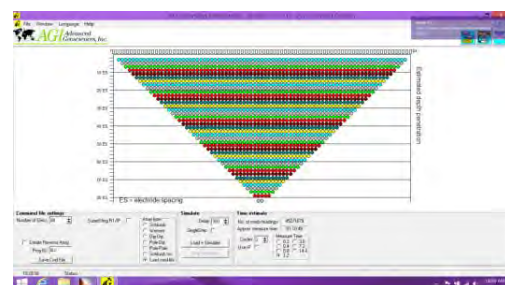
“Si-3” AB= 5M to 95M and MN 15M to 360M. Best penetration of all three.

Set-up

Once a designated traverse is located, 84 electrodes are put into the ground pre extending 6x cables of 14 connections amounting to a 415M Traverse. The Supersting Transmitter/ Receiver (Tx/Rx) along with power-pack and switch-box are always centrally positioned.

A designated Schlumberger Array command file was loaded in the Supersting performing:

1679 sample points, with an estimated 80:48min lapse-time, Maximum n kept at 8 (for best Signal/Noise), and Maximum dipoles of 26.





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December 11, 2013

Appendix B - Survey Statistics

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December 11, 2013

Client:	Taku Gold Corp.
Project:	Sulphur
Job N.	
Data:	Chargeability



Line	Date	Array	Pts.	Min.	Max.	Mean	Median	Standard deviation
L4400N	11/14/2013	PD	2507	0.025	19.164	2.424276	2.274	1.279963353
		PP	2380	0.011	17.317	2.660634	2.342	1.311014305
		S3	1538	0.044	13.969	2.601278	2.222	1.582714916
		WU	154	0.828	12.895	4.510987	3.8205	2.84700985
		*	*	*	*	*	*	*
L4500N	11/13/2013	PD	2542	0.02	15.64	2.192692	2.078	1.150785547
		PP	2368	0.013	19.87	2.557648	2.333	1.407846235
		S3	1603	0.03	19.62	2.49848	2.141	1.645529347
		WU	158	0.799	14.923	3.935006	2.932	2.813802125
		*	*	*	*	*	*	*
L4600N	11/12/2013	PD	2518	0.006	14.28	2.047074	1.82	1.291343427
		PP	1028	0.029	19.051	1.916362	1.769	0.978429657
		S3	1614	0.001	14.064	2.258604	1.913	1.648957364
		WU	160	0.67	12.236	3.545588	2.3485	2.617660085
		*	*	*	*	*	*	*
L4700N	11/11/2013	PD	2302	0.015	18.85	2.063331	1.677	1.694288258
		PP	1571	0.02	15.58	2.76937	1.969	2.102724219
		S3	1672	0.062	16.177	2.327979	1.776	1.707405659
		*	*	*	*	*	*	*
L4800N	11/10/2013	PP	1461	0.019	17.127	2.501026	2.242	1.399468297
		S3	1662	0.083	13.094	2.28003	1.881	1.541248899
		WU	157	0.209	6.05	2.377051	2.29	1.110877938
		*	*	*	*	*	*	*
L4900N	11/09/2013	PP	1604	0.024	15.609	2.435687	2.104	1.444639044
		S3	1635	0.008	15.474	2.406895	1.948	1.988510502

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GROUND TRUTH EXPLORATION INC

December 11, 2013

Client:	Taku Gold Corp.
Project:	Sulphur
Job N.	
Data:	Resistivity



Line	Date	Array	Pts.	Min.	Max.	Mean	Median	Standard deviation
L4400N	11/14/2013	PD	2640	4.04	4984.72	1172.676	1116.77	411.1362798
		PP	2533	0.384	4706.89	944.3838	957.013	390.9395087
		S3	1599	3.246	4579.46	1107.301	1065.33	432.8675244
		WU	149	1.254	4607.18	1506.242	1257.52	911.1703802
		*	*	*	*	*	*	*
L4500N	11/13/2013	PD	2660	276.497	4944.93	1122.036	985.933	501.5324846
		PP	2688	2.444	4554.63	888.8122	819.094	501.4734245
		S3	1629	2.892	4980.51	1270.741	1107.59	671.1604059
		WU	144	602.951	4981.67	2012.153	1581.28	1139.234015
		*	*	*	*	*	*	*
L4600N	11/12/2013	PD	2559	4.417	4980.03	992.4388	795.782	524.9200189
		PP	985	104.136	4992.18	1766.199	1659.2	922.1878197
		S3	1636	2.169	4991.24	1107.425	1084.38	525.5594451
		WU	156	269.174	4623.86	1653.805	1535.505	959.1788407
		*	*	*	*	*	*	*
L4700N	11/11/2013	PD	2547	1.956	4997.89	986.1008	875.037	609.1098123
		PP	1735	10.757	3168.21	982.5496	899.362	385.1902106
		S3	1679	302.398	4159.33	1200.132	1134.6	425.8882688
		*	*	*	*	*	*	*
L4800N	11/10/2013	PP	1699	1.314	4624.31	919.7061	831.466	423.2866774
		S3	1678	129.003	3455.17	1034.829	907.605	400.7081004
		WU	159	217.766	4781.39	1548.612	1327.15	940.1486861
		*	*	*	*	*	*	*
L4900N	11/09/2013	PP	1694	35.959	4890.07	1082.286	881.047	652.7571543
		S3	1667	305.928	4968.88	964.4017	767.298	642.4083913

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December 11, 2013

Appendix C - Equipment Specifications

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December 11, 2013

GROUND TRUTH EXPLORATION INC

SuperSting R1/IP Technical Specifications

Measurement modes: apparent resistivity, resistance, self-potential (SP), induced polarization (IP), battery voltage

Measurement range: +/- 10V

Measuring resolution: max 30 nV, depends on voltage level

Screen resolution: 4 digits in engineering notation

Output current: 1mA – 2 A continuous, measured to high accuracy

Output voltage: 800 Vp-p, actual electrode voltage depends on transmitted current and ground resistivity

Output power: 200 W

Input gain ranging: automatic, always uses full dynamic range of receiver

Input impedance: >20 M Ω

SP compensation: automatic cancellation of SP voltages during resistivity measurement; constant and linearly varying SP cancels completely

Type of IP measurement: Time domain chargeability (M), six time slots measured and stored in memory

IP current transmission: ON+, OFF, ON-, OFF

IP time cycles: 0.5, 1, 2, 4 and 8 seconds (combined resistivity/IP mode)

Measure cycles: running average of measurement displayed after each cycle; automatic cycle stop when reading errors fall below user set limit or user set max cycles are done

Resistivity time cycles: basic measure time is 0.4, 0.8, 1.2, 3.6, 7.2 or 14.4 seconds as selected by user via keyboard, auto-ranging and commutation adds about 1.4 s

Signal processing: continuous averaging after each complete cycle; noise errors calculated and displayed as percentage of reading; reading displayed as resistance ($\Delta V/I$) and apparent resistivity (Ωm); resistivity is calculated using user entered electrode array coordinates

Noise suppression: better than 100 dB at $f > 20$ Hz; better than 120 dB at power line frequencies (16 2/3, 20, 50 and 60 Hz) for measure cycles of 1.2 s and above

Total accuracy: better than 1% of reading in most cases (lab measurements). Field measurement accuracy depends on ground noise and resistivity. Instrument will calculate and display running estimate of measuring accuracy

System calibration: calibration is done digitally by the microprocessor based on correction values stored in memory

Supported manual: resistance, Schlumberger, Wenner, dipole-dipole, pole-dipole, pole-pole, SP absolute, SP-gradient configurations

Operating system: Stored in re-programmable flash memory; new version can be downloaded from our web site and stored in the flash memory

Data storage: full resolution reading average and error are stored along with user entered coordinates and time of day for each measurement; storage is effected automatically in a job oriented file system

Data display: apparent resistivity (Ohmmeter), injected current (mAmp) and measured voltage (mVolt) are displayed and stored in memory for each measurement

Memory capacity: the memory can store 24,468 measurements in Resistivity Mode and 14,966 measurements in combined Resistivity/IP Mode

Data transmission: RS-232C channel available to dump data from the instrument to a Windows type computer on user command.

Automatic multi-electrodes: the SuperSting is designed to run dipole-dipole, pole-dipole, pole-pole, Wenner and Schlumberger surveys including roll-along surveys completely automatic with the Swift Dual Mode Automatic Multi-electrode system (patent 6,404,203) or with switch box and passive cables; the SuperSting can run any other array by using user programmed command files; these files are ASCII files and can be created using a regular text editor; the command files are downloaded to the SuperSting RAM memory and can at any time be recalled and run; therefore there is no need for a fragile computer in the field.

Manual measurements: the instrument has four banana pole screws for connecting current and potential electrodes during manual measurements

User controls: 20 key tactile, weather proof keyboard with alpha numeric entry keys and function keys; On/off switch; Measure button; integrated within main keyboard; LCD night light switch (push to light)

Display: Graphics LCD display (16 lines x 30 characters) with night light.

Power supply, field: 12V or 2x12 V DC external power (one or two 12 V batteries), connector on front panel.

Power supply, office: DC power supply

Operating time: depends on survey conditions and size of battery used; internal circuitry in auto mode adjusts current to save energy

Operating temperature: -5 to +50°C

Weight: 10.9 kg (24 lb.)

Dimensions: Width 184 mm (7.25"), length 406 mm (16") and height 273 mm (10.75")

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