

Memorandum Report of 2012 Drilling

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
December 4, 2012**

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
2012 Drilling	4
Interpretations and Conclusions	5
Recommendations	5
References	6
Appendix A - Statement of Work Expenditures	
Appendix B - Drill Logs	
Appendix C - Assay Certificates	
Appendix D - Sample Standards	

List of Figures

Figure 1 - General Location Map	2
Figure 2 - Claim Map	3
Figure 3 - Tectonic Map	7
Figure 4 - Regional Geology	8
Figure 5 - Property Geology	10
Figure 6 - DDH Locations Sulphur East	11
Figure 7 - DDH Locations Sulphur West	12
Figure 8 - Proposed Grid on Blues Cluster	13

List of Tables

Table 1 - List of Claims.....	1
Table 2 - Gold Zones.....	1
Table 3 - 2012 Drill Hole Summary.....	4
Table 4 - 2012 Significant Intersections.....	5
Table 5 - Estimated Costs.....	6

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 June 2012;
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 2012 Drilling 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 4th day of December 2012,

(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 September 2012;
3. I co-wrote this technical report entitled “Memorandum Report of 2012 Drilling 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 4th day of December 2012,

(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 a drill program done on the Sulphur property (“Sulphur” or the “Property”) in the Yukon in 2012. The goal of the program was to test the subsurface extension of anomalous gold zones previously exposed by trenching and soil sampling. This memorandum report was prepared to complete statutory assessment work filings required under the Yukon Quartz Mining Act. It is not intended to and does not fully comply with National Instrument 43-101.

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-Jan-13	452
US 101 to 84	YD06601 to YD06684	14-Jan-13	84
US 85 to 91	YD17723 to YD17729	14-Sept-12	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 one \$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.

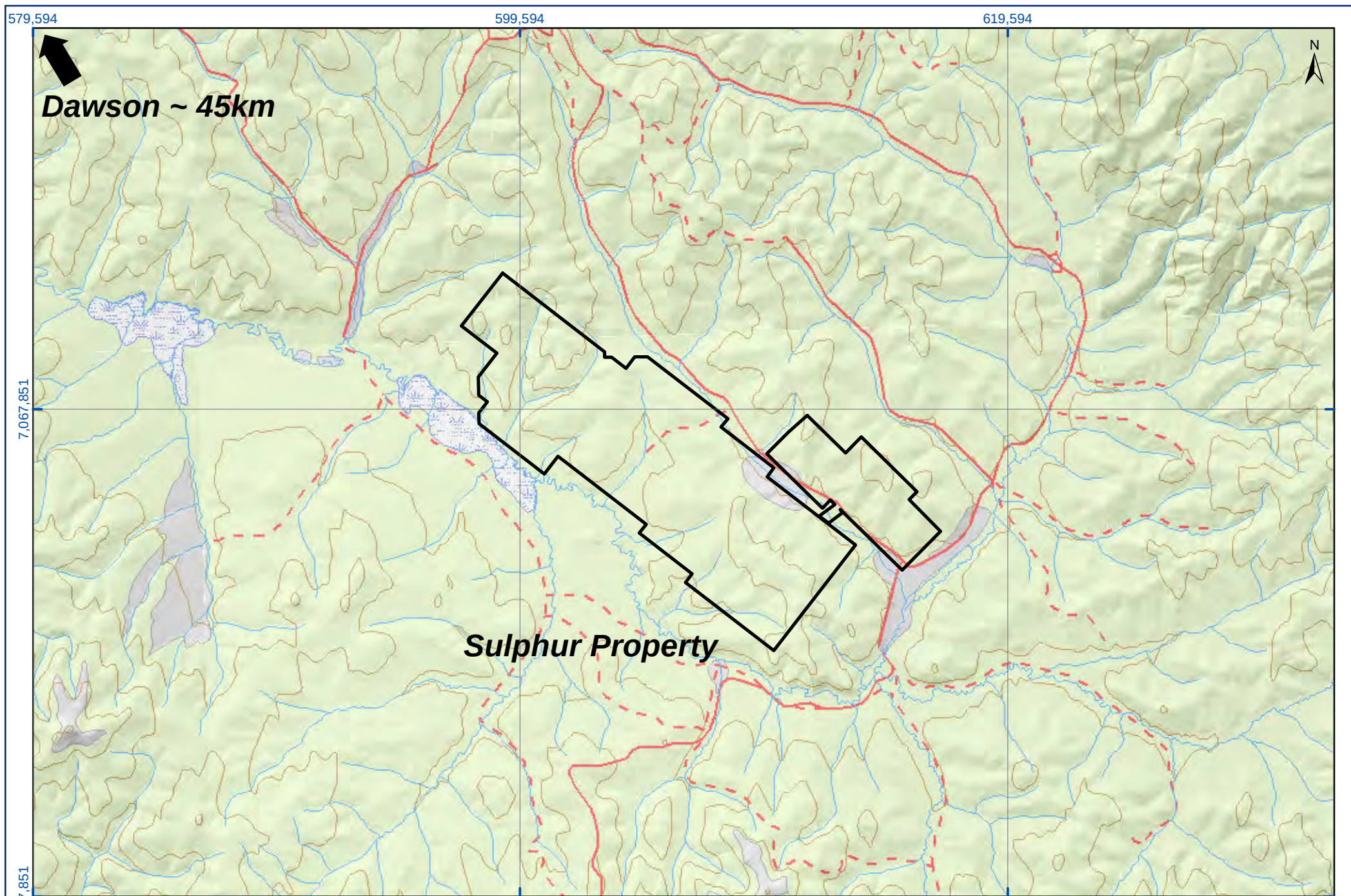
Previous Work

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. Trenching was done at three of the five zones. The gold zones are summarized in the following table.

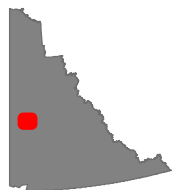
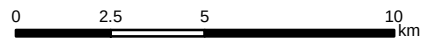
Table 2 - Gold Zones

Zone	UTM mE	UTM mN	Max soil Au ppb	Length m	Trend	Metal Assoc.	Trenches
Lions	611200	7065700	239	1,000	NW linear	As, Ag very strong	1,2
Esk	611300	7060300	123	500	NW linear	As, Ag weak	
Riders	601100	7068800	576	1,400	E oval	Cu, Zn offset N	3,4
Blues	605000	7069000	206	900	NW linear	As, Ag weak	5
Stamps	606000	7064000	234	Cluster	None	As, Ag, Sb broad	

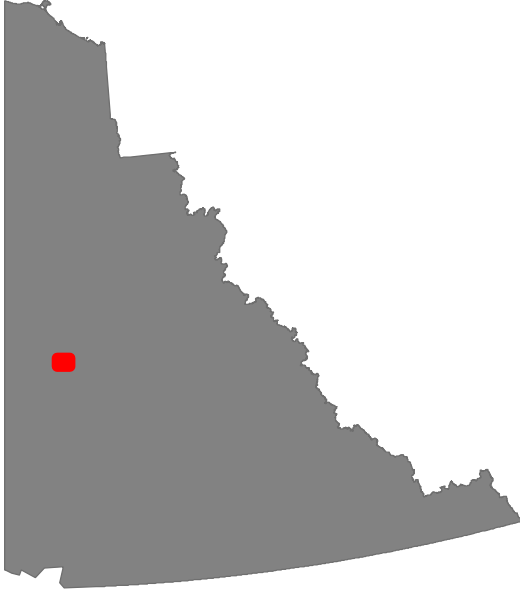
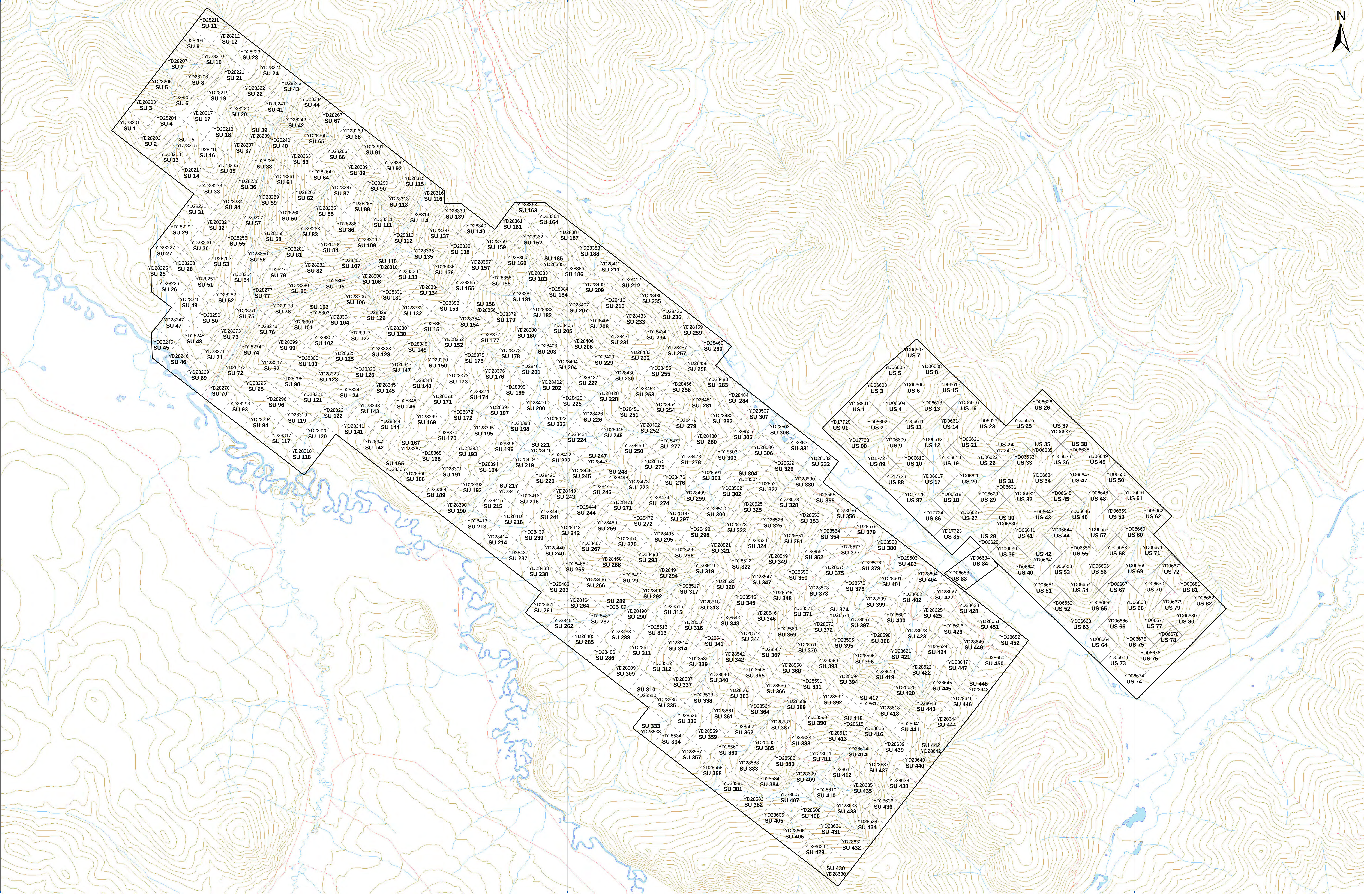


SULPHUR PROPERTY
Figure 1. GENERAL LOCATION

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

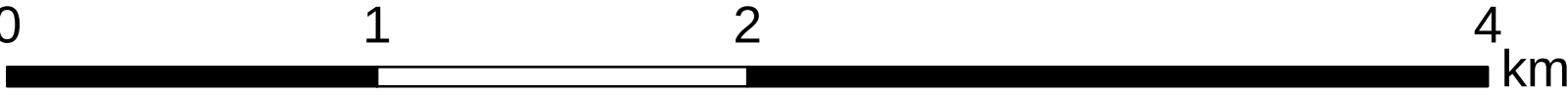


Sulphur Property
Figure 1. General Location
Taku Gold Corp.
NTS Sheet: 1150
Date: November 8, 2011



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

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.

2012 Drilling

The drilling was completed from June 5 to 23, 2012 by Earth Tek Drilling. A total of 1,033.0 metres of NQ diameter drilling was done in seven holes. Six holes were drilled in the Lions area and one in the Blues area. The field work and core logging (Appendix B) was completed by Geologist in Training Marty Huber (the "Junior Author") under the supervision of Professional Geologist Mark Fekete (the "Senior Author"). The core was logged at Taku's core shack at the Dominion Creek Camp and the core is presently stored there. The locations (Figures 6 and 7), azimuths, dips and depths of the holes are summarized in the following table.

Table 3 - 2012 Drill Hole Summary

Area	Hole	UTM mE	UTM mN	Azimuth	Dip	Length (m)
Lions	SU12-01	611313	7065529	090°	-50°	148.0
Lions	SU12-02	611370	7065445	055°	-50°	148.0
Lions	SU12-03	611461	7065312	055°	-50°	129.0
Lions	SU12-04	611210	7065385	055°	-50°	152.0
Lions	SU12-05	611150	7065718	055°	-50°	155.0
Lions	SU12-06	611030	7065957	055°	-50°	149.0
Blues	SU12-07	604564	7069568	045°	-50°	152.0

The drilling encountered primarily flat-lying quartz feldspar porphyry interlayered with chlorite schist. Both lithologies generally showed fine- to coarse-grained disseminated pyrite and occasionally galena

mineralization. The drilling in holes SU12-05 to -07 encountered several intervals of brecciated material typically associated with gouge.

Core samples were analyzed by Acme Analytical Laboratories Ltd. ("Acme") in Vancouver, B.C. by fire assay fusion, emission spectroscopy technique for gold (Appendix C). Acme is accredited under ISO 9001. A total of 920 samples were analyzed including core, duplicates and standards (Appendix D).

Table 4 - 2012 Significant Intersections

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

Interpretations and Conclusions

The 2012 drill program met its primary goal of testing the Lions and Blues gold-in-soil zones. However the drill results were inconclusive and did not explain or identify a clear source for the anomalous surface results. Drilling in the Lions area in particular has led to more questions than answers. The single hole drilled in the Blues zone showed the best results and also clearly points to structural controls on the gold mineralization. More surface work including more detailed soil sampling, geophysics and trenching is required before any further drilling can be done. The goal of this work will be to isolate trends that may represent bedrock structures that control gold mineralization. Unfortunately there is too little outcrop on the Property to allow for geological mapping of any such potential structures. Trenching followed by drilling will be required to test any inferred structures for gold mineralization.

Recommendations

In general it is recommended that eventually grids be cut over all five of the gold-in-soil zones identified on the Sulphur property to date and that detailed geochemical and geophysical surveys be completed over the grids. Any clearly defined geochemical or geophysical trends should first be tested by trenching followed by drilling.

Initially however, due to cost, it is recommended that the Blues zone be used as a prototype to see if this exploration approach is practical. Specifically this would involve cutting a grid measuring 1.0km by 1.5km with grid lines at 100m spacings and tie-lines at 200m spacings (Figure 8). Induced polarization/resistivity would be completed on all lines including tie-lines. Soil samples would be collected at 50m sample stations on 50m GPS-controlled line spacings. If this first phase clearly defines geochemical or geophysical trends, a second phase of surface trenching and sampling is recommended to test any trends. The goal of this two phase program is to appraise the gold potential of and identify drill targets on the Blues zone which to date is a poorly understood, possibly under-evaluated gold occurrence. The estimated cost of the recommended program at Blues is \$200,000 as detailed in the Table 5 below. Note that all camp, food, lodging, supplies, transportation, rentals and other incidental expenses are included in the estimated cost.

Although this hyper-detailed method of surface exploration appears to be expensive, the Authors are of the opinion that it is essential to define bedrock structures before drilling, and moreover that it is ultimately a cheaper approach than prospecting with a drill.

Table 5 - Estimated Costs

Line-cutting	25	km @	\$1,000	per km	\$25,000	
IP	25	km @	\$2,500	per km	\$62,500	
Soil Geochem	750	samples @	\$50	per sample	\$37,500	
					Phase I Total	\$125,000
Excavator	5	days @	\$1,000	per day	\$5,000	
Geologist	5	days @	\$700	per day	\$3,500	
Line-cutters (2)	10	days @	\$1,400	per day	\$14,000	
Helicopter w/ fuel	10	hours @	\$2,000	per hour	\$20,000	
Truck w/ fuel	5	days @	\$200	per day	\$1,000	
Rock Samples	100	samples @	\$25	per sample	\$2,500	
Report	1	report @	\$5,000	per report	\$5,000	
					Phase II Total	\$51,000
					Subtotal	\$176,000
					~15% Contingency	\$24,000
					Total	\$200,000

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.)
- 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.
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- 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.
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- 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.

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

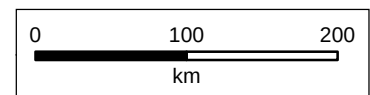
Ancestral North America

CA Cassiar

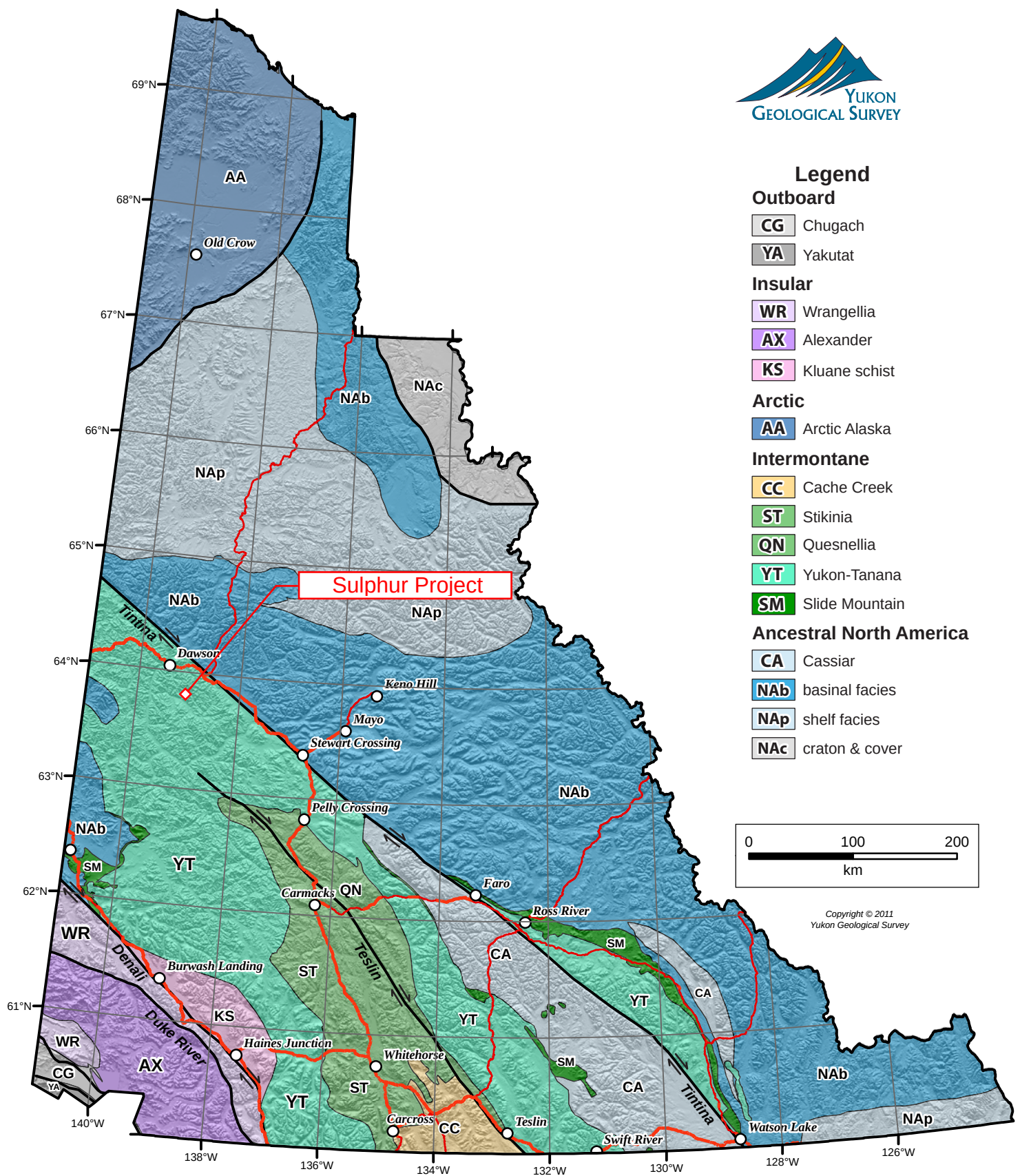
NAb basinal facies

NAp shelf facies

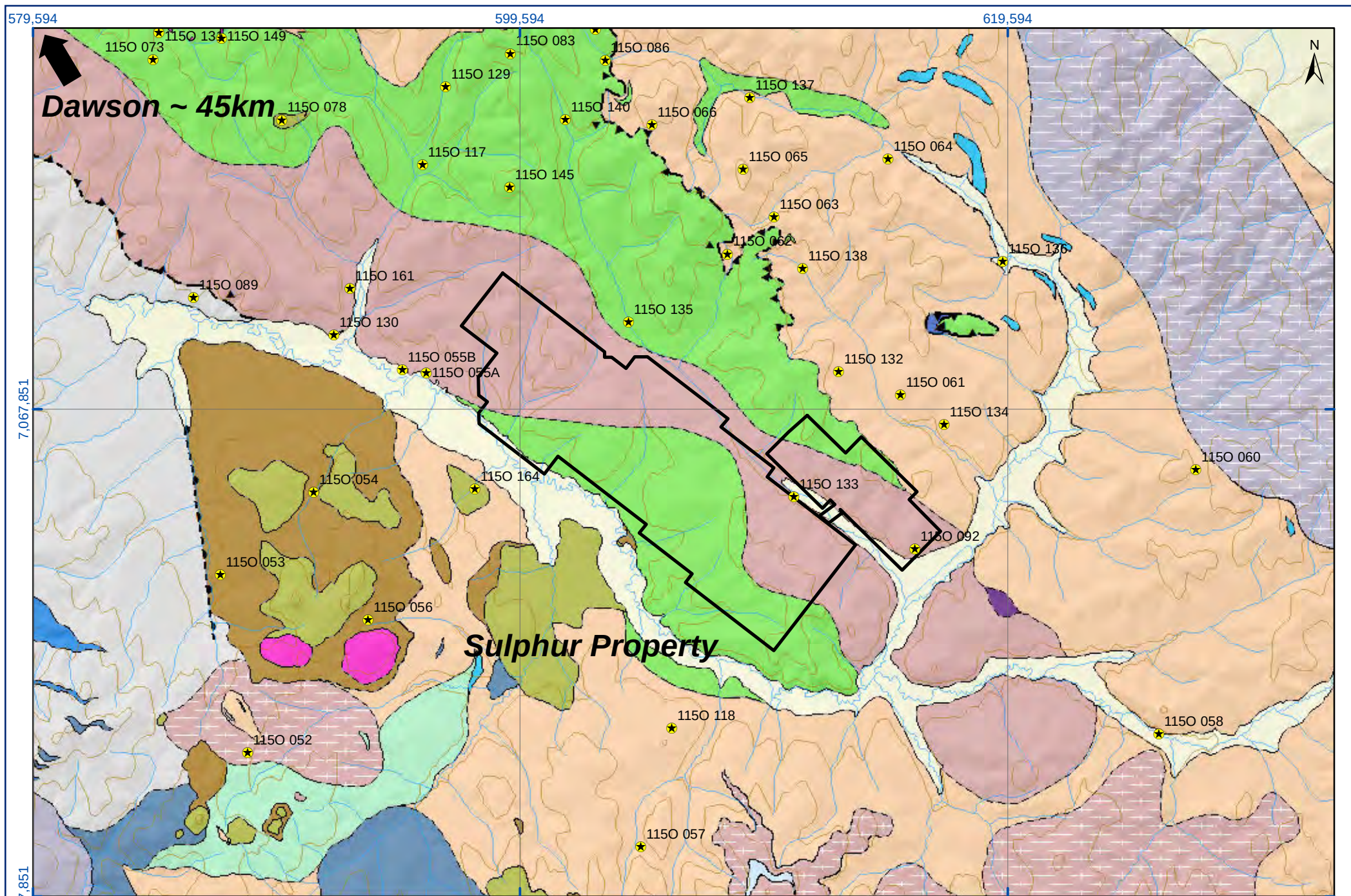
NAC craton & cover



Copyright © 2011
Yukon Geological Survey



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, Pogq/Poga Pogt Orthogneiss (Younger, 264-259 Ma)

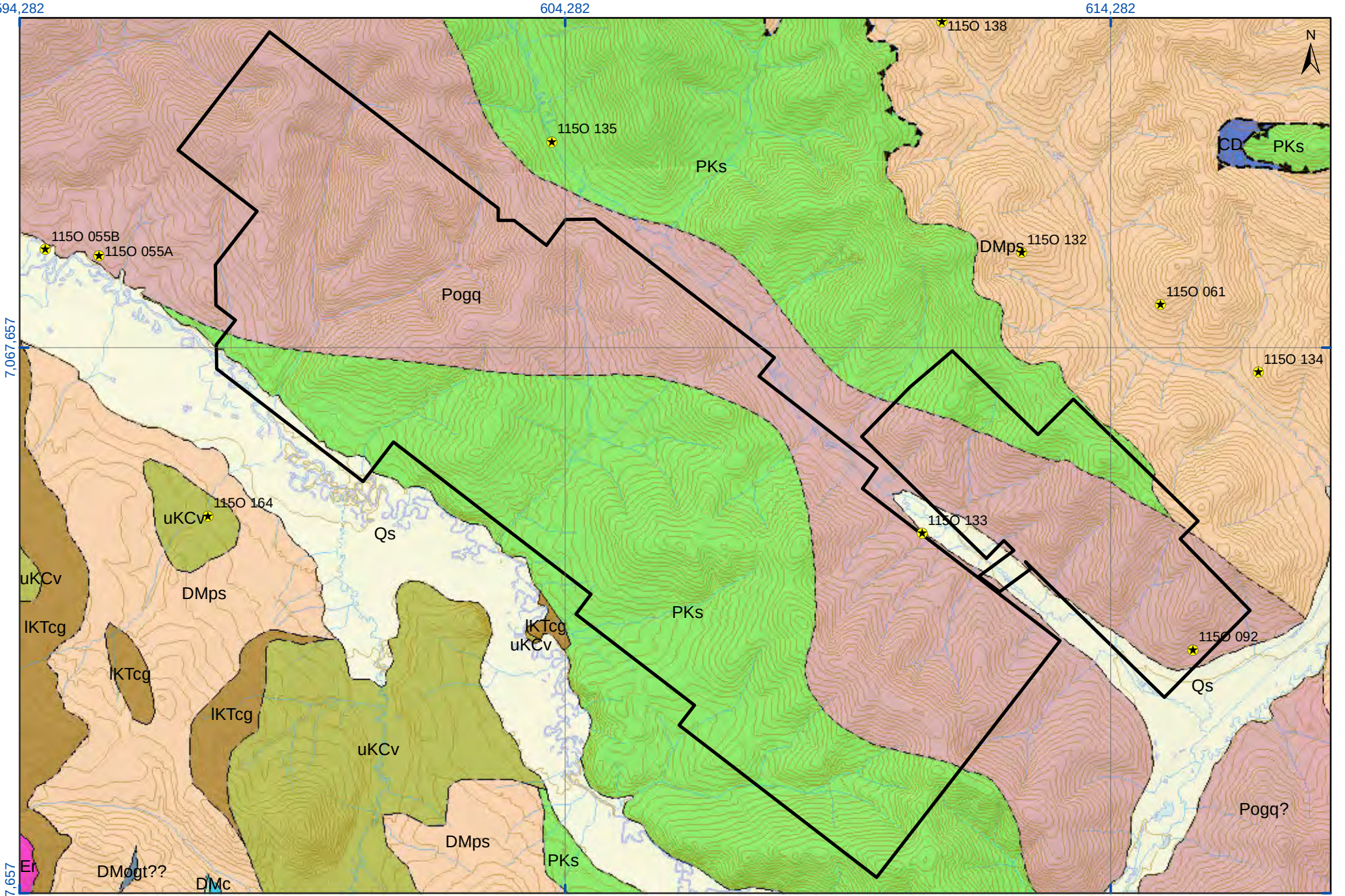
DEVONIAN TO MISSISSIPPIAN

	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)

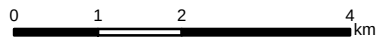
Figure 3 continued. Legend for Regional Geology



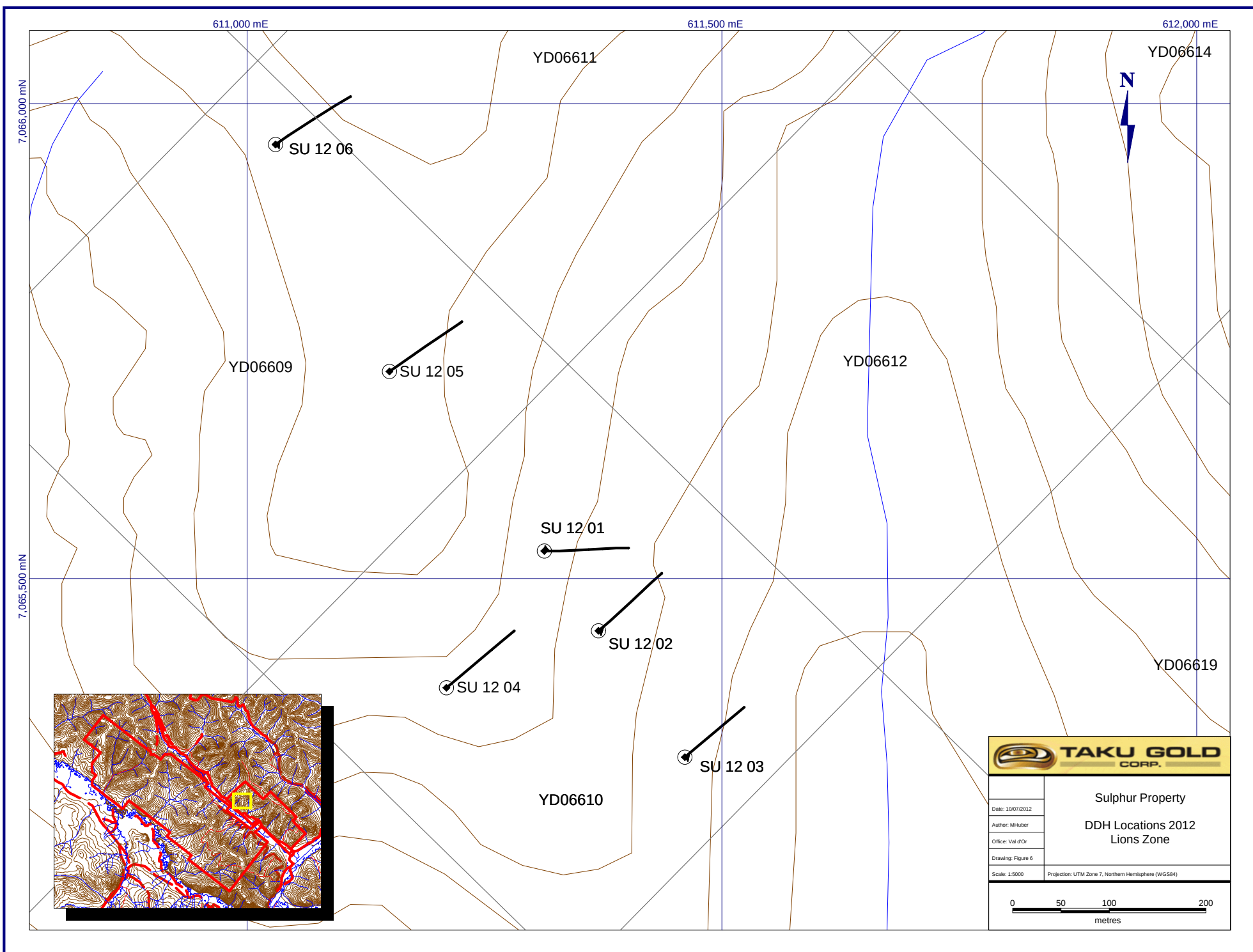
★ Mineral Occurance

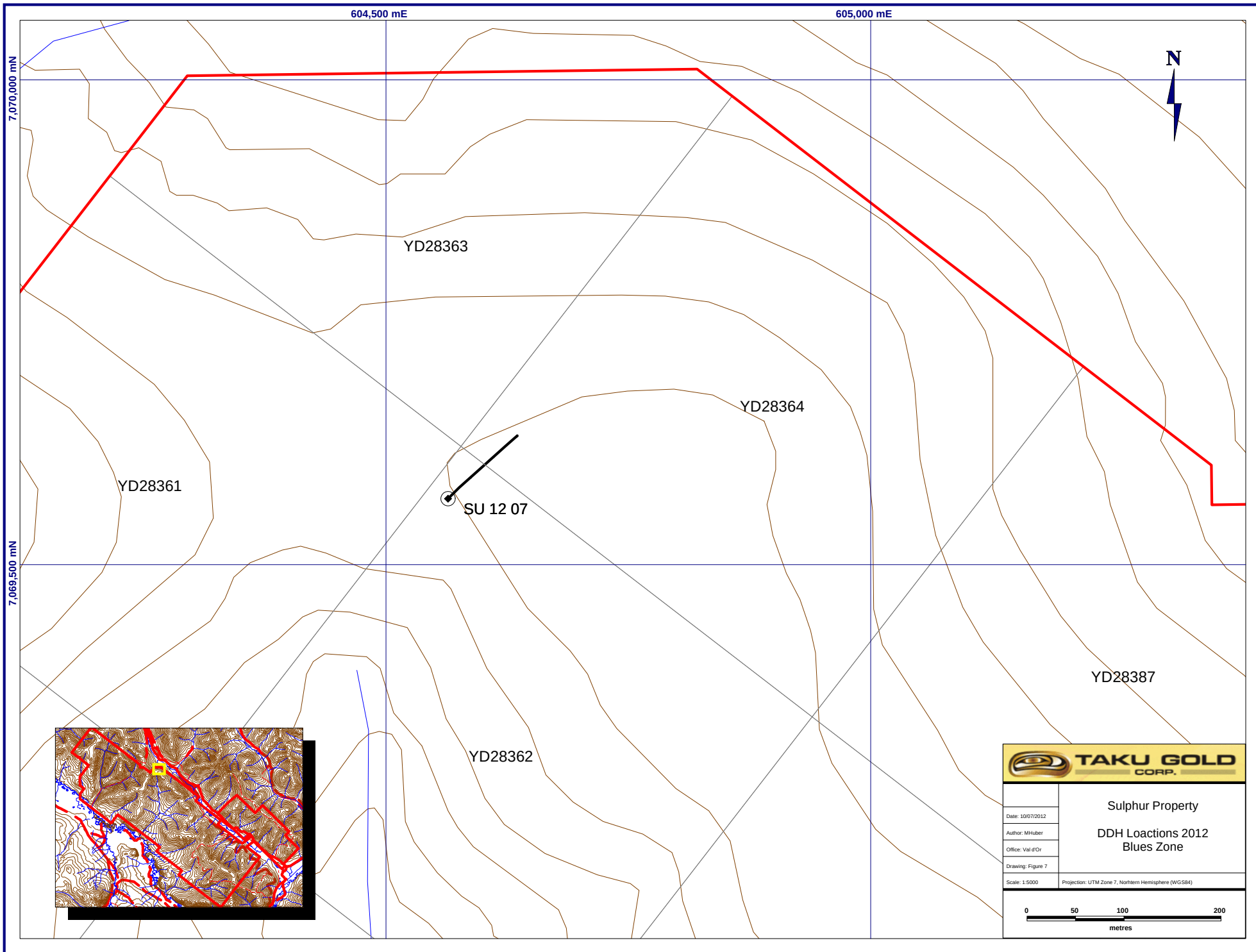
SULPHUR PROPERTY
Figure 4. PROPERTY GEOLOGY

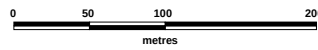
Universal Transverse Mercator Zone 7
World Geodetic System 1984
Scale 1:90 000

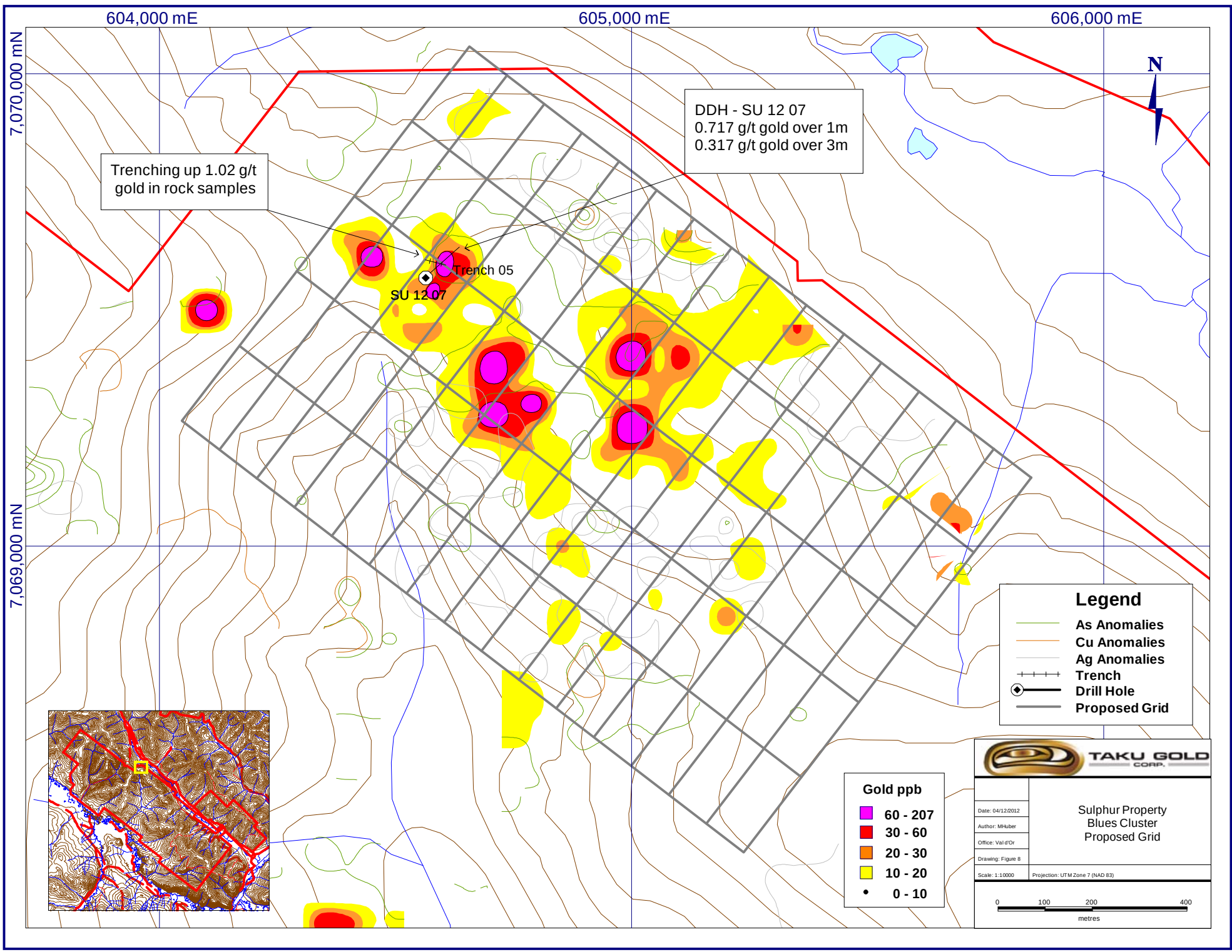


Sulphur Property
Figure 4. Property Geology
Taku Gold Corp.
NTS Sheet: 1150/10, 11, 14 & 15
Date: November 8, 2011





 TAKU GOLD CORP.	
Sulphur Property	
DDH Locations 2012 Blues Zone	
Date: 10/07/2012	
Author: MHuber	
Office: Val d'Or	
Drawing: Figure 7	
Scale: 1:5000	Projection: UTM Zone 7, Northern Hemisphere (WGS84)
	



Appendix A - Statement of Work Expenditures

I, Darrell Kraemer

of Dawson City, Yukon

Phone (867) 993-2511

make oath and say that:

Office Date Stamp

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

SEE ATTACHED SCHEDULE

situated at Sulphur Creek Area Claim sheet No. 1050 14, 15, 11, and 10

in the Dawson Mining District, to the value of at least 347,840.71 dollars,

since the 30th day of May 20 12,

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

SEE ATTACHED SCHEDULE

Please renew claims US85-US91 to September 14th, 2013

Please renew all other claims to January 14th, 2018

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).

The work on sulphur included a 7 hole drilling program of 1033m. Work began on the 30th of May, 2012 and ended on the 26th of October, 2012.

Sworn before me at _____ this _____ day of _____ 20____.

Notary Public

Owner or Authorized Agent

Claim List for Cert of Work 2012 Sulphur

Type	Claim Information				Actual Work Done by Claim		Renewal		
	Grant No.	Claim Name	Claim No.	Expiry Date	Drilling		Years	Annual Fee	Total
Quartz	YD06601	US	1	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06602	US	2	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06603	US	3	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06604	US	4	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06605	US	5	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06606	US	6	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06607	US	7	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06608	US	8	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06609	US	9	14/01/2013	\$	115,946.90	5	\$ 5.00	\$ 25.00
Quartz	YD06610	US	10	14/01/2013	\$	115,946.90	5	\$ 5.00	\$ 25.00
Quartz	YD06611	US	11	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06612	US	12	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06613	US	13	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06614	US	14	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06615	US	15	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06616	US	16	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06617	US	17	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06618	US	18	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06619	US	19	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06620	US	20	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06621	US	21	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06622	US	22	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06623	US	23	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06624	US	24	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06625	US	25	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06626	US	26	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06627	US	27	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06628	US	28	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06629	US	29	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06630	US	30	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06631	US	31	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06632	US	32	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06633	US	33	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06634	US	34	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06635	US	35	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06636	US	36	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06637	US	37	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06638	US	38	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06639	US	39	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06640	US	40	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06641	US	41	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06642	US	42	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06643	US	43	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06644	US	44	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06645	US	45	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06646	US	46	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06647	US	47	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06648	US	48	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06649	US	49	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06650	US	50	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06651	US	51	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06652	US	52	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06653	US	53	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06654	US	54	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06655	US	55	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06656	US	56	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06657	US	57	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06658	US	58	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06659	US	59	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06660	US	60	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06661	US	61	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06662	US	62	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06663	US	63	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06664	US	64	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06665	US	65	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06666	US	66	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06667	US	67	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06668	US	68	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06669	US	69	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06670	US	70	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06671	US	71	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06672	US	72	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06673	US	73	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06674	US	74	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06675	US	75	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06676	US	76	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06677	US	77	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06678	US	78	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06679	US	79	14/01/2013			5	\$ 5.00	\$ 25.00

Claim List for Cert of Work 2012 Sulphur

Type	Claim Information				Actual Work Done by Claim		Renewal		
	Grant No.	Claim Name	Claim No.	Expiry Date	Drilling		Years	Annual Fee	Total
Quartz	YD06680	US	80	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06681	US	81	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06682	US	82	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06683	US	83	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD06684	US	84	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD17723	US	85	14/09/2012			1	\$ 15.00	\$ 15.00
Quartz	YD17724	US	86	14/09/2012			1	\$ 15.00	\$ 15.00
Quartz	YD17725	US	87	14/09/2012			1	\$ 15.00	\$ 15.00
Quartz	YD17726	US	88	14/09/2012			1	\$ 15.00	\$ 15.00
Quartz	YD17727	US	89	14/09/2012			1	\$ 15.00	\$ 15.00
Quartz	YD17728	US	90	14/09/2012			1	\$ 15.00	\$ 15.00
Quartz	YD17729	US	91	14/09/2012			1	\$ 15.00	\$ 15.00
Quartz	YD28201	SU	1	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28202	SU	2	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28203	SU	3	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28204	SU	4	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28205	SU	5	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28206	SU	6	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28207	SU	7	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28208	SU	8	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28209	SU	9	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28210	SU	10	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28211	SU	11	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28212	SU	12	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28213	SU	13	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28214	SU	14	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28215	SU	15	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28216	SU	16	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28217	SU	17	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28218	SU	18	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28219	SU	19	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28220	SU	20	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28221	SU	21	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28222	SU	22	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28223	SU	23	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28224	SU	24	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28225	SU	25	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28226	SU	26	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28227	SU	27	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28228	SU	28	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28229	SU	29	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28230	SU	30	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28231	SU	31	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28232	SU	32	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28233	SU	33	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28234	SU	34	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28235	SU	35	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28236	SU	36	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28237	SU	37	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28238	SU	38	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28239	SU	39	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28240	SU	40	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28241	SU	41	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28242	SU	42	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28243	SU	43	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28244	SU	44	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28245	SU	45	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28246	SU	46	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28247	SU	47	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28248	SU	48	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28249	SU	49	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28250	SU	50	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28251	SU	51	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28252	SU	52	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28253	SU	53	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28254	SU	54	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28255	SU	55	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28256	SU	56	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28257	SU	57	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28258	SU	58	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28259	SU	59	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28260	SU	60	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28261	SU	61	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28262	SU	62	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28263	SU	63	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28264	SU	64	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28265	SU	65	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28266	SU	66	14/01/2013			5	\$ 5.00	\$ 25.00

Claim List for Cert of Work 2012 Sulphur

Type	Claim Information				Actual Work Done by Claim		Renewal		
	Grant No.	Claim Name	Claim No.	Expiry Date	Drilling		Years	Annual Fee	Total
Quartz	YD28267	SU	67	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28268	SU	68	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28269	SU	69	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28270	SU	70	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28271	SU	71	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28272	SU	72	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28273	SU	73	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28274	SU	74	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28275	SU	75	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28276	SU	76	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28277	SU	77	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28278	SU	78	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28279	SU	79	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28280	SU	80	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28281	SU	81	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28282	SU	82	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28283	SU	83	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28284	SU	84	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28285	SU	85	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28286	SU	86	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28287	SU	87	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28288	SU	88	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28289	SU	89	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28290	SU	90	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28291	SU	91	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28292	SU	92	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28293	SU	93	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28294	SU	94	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28295	SU	95	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28296	SU	96	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28297	SU	97	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28298	SU	98	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28299	SU	99	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28300	SU	100	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28301	SU	101	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28302	SU	102	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28303	SU	103	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28304	SU	104	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28305	SU	105	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28306	SU	106	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28307	SU	107	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28308	SU	108	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28309	SU	109	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28310	SU	110	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28311	SU	111	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28312	SU	112	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28313	SU	113	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28314	SU	114	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28315	SU	115	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28316	SU	116	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28317	SU	117	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28318	SU	118	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28319	SU	119	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28320	SU	120	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28321	SU	121	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28322	SU	122	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28323	SU	123	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28324	SU	124	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28325	SU	125	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28326	SU	126	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28327	SU	127	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28328	SU	128	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28329	SU	129	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28330	SU	130	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28331	SU	131	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28332	SU	132	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28333	SU	133	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28334	SU	134	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28335	SU	135	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28336	SU	136	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28337	SU	137	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28338	SU	138	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28339	SU	139	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28340	SU	140	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28341	SU	141	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28342	SU	142	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28343	SU	143	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28344	SU	144	14/01/2013			5	\$ 5.00	\$ 25.00

Claim List for Cert of Work 2012 Sulphur

Type	Claim Information				Actual Work Done by Claim		Renewal		
	Grant No.	Claim Name	Claim No.	Expiry Date	Drilling		Years	Annual Fee	Total
Quartz	YD28345	SU	145	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28346	SU	146	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28347	SU	147	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28348	SU	148	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28349	SU	149	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28350	SU	150	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28351	SU	151	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28352	SU	152	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28353	SU	153	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28354	SU	154	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28355	SU	155	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28356	SU	156	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28357	SU	157	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28358	SU	158	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28359	SU	159	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28360	SU	160	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28361	SU	161	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28362	SU	162	14/01/2013	\$	115,946.90	5	\$ 5.00	\$ 25.00
Quartz	YD28363	SU	163	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28364	SU	164	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28365	SU	165	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28366	SU	166	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28367	SU	167	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28368	SU	168	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28369	SU	169	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28370	SU	170	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28371	SU	171	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28372	SU	172	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28373	SU	173	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28374	SU	174	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28375	SU	175	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28376	SU	176	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28377	SU	177	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28378	SU	178	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28379	SU	179	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28380	SU	180	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28381	SU	181	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28382	SU	182	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28383	SU	183	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28384	SU	184	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28385	SU	185	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28386	SU	186	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28387	SU	187	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28388	SU	188	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28389	SU	189	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28390	SU	190	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28391	SU	191	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28392	SU	192	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28393	SU	193	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28394	SU	194	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28395	SU	195	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28396	SU	196	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28397	SU	197	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28398	SU	198	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28399	SU	199	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28400	SU	200	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28401	SU	201	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28402	SU	202	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28403	SU	203	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28404	SU	204	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28405	SU	205	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28406	SU	206	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28407	SU	207	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28408	SU	208	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28409	SU	209	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28410	SU	210	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28411	SU	211	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28412	SU	212	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28413	SU	213	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28414	SU	214	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28415	SU	215	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28416	SU	216	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28417	SU	217	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28418	SU	218	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28419	SU	219	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28420	SU	220	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28421	SU	221	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28422	SU	222	14/01/2013			5	\$ 5.00	\$ 25.00

Claim List for Cert of Work 2012 Sulphur

Type	Claim Information				Actual Work Done by Claim		Renewal		
	Grant No.	Claim Name	Claim No.	Expiry Date	Drilling		Years	Annual Fee	Total
Quartz	YD28423	SU	223	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28424	SU	224	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28425	SU	225	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28426	SU	226	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28427	SU	227	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28428	SU	228	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28429	SU	229	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28430	SU	230	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28431	SU	231	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28432	SU	232	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28433	SU	233	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28434	SU	234	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28435	SU	235	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28436	SU	236	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28437	SU	237	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28438	SU	238	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28439	SU	239	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28440	SU	240	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28441	SU	241	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28442	SU	242	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28443	SU	243	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28444	SU	244	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28445	SU	245	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28446	SU	246	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28447	SU	247	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28448	SU	248	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28449	SU	249	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28450	SU	250	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28451	SU	251	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28452	SU	252	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28453	SU	253	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28454	SU	254	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28455	SU	255	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28456	SU	256	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28457	SU	257	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28458	SU	258	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28459	SU	259	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28460	SU	260	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28461	SU	261	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28462	SU	262	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28463	SU	263	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28464	SU	264	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28465	SU	265	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28466	SU	266	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28467	SU	267	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28468	SU	268	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28469	SU	269	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28470	SU	270	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28471	SU	271	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28472	SU	272	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28473	SU	273	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28474	SU	274	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28475	SU	275	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28476	SU	276	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28477	SU	277	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28478	SU	278	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28479	SU	279	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28480	SU	280	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28481	SU	281	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28482	SU	282	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28483	SU	283	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28484	SU	284	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28485	SU	285	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28486	SU	286	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28487	SU	287	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28488	SU	288	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28489	SU	289	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28490	SU	290	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28491	SU	291	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28492	SU	292	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28493	SU	293	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28494	SU	294	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28495	SU	295	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28496	SU	296	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28497	SU	297	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28498	SU	298	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28499	SU	299	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28500	SU	300	14/01/2013			5	\$ 5.00	\$ 25.00

Claim List for Cert of Work 2012 Sulphur

Type	Claim Information				Actual Work Done by Claim		Renewal		
	Grant No.	Claim Name	Claim No.	Expiry Date	Drilling		Years	Annual Fee	Total
Quartz	YD28501	SU	301	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28502	SU	302	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28503	SU	303	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28504	SU	304	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28505	SU	305	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28506	SU	306	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28507	SU	307	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28508	SU	308	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28509	SU	309	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28510	SU	310	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28511	SU	311	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28512	SU	312	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28513	SU	313	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28514	SU	314	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28515	SU	315	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28516	SU	316	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28517	SU	317	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28518	SU	318	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28519	SU	319	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28520	SU	320	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28521	SU	321	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28522	SU	322	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28523	SU	323	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28524	SU	324	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28525	SU	325	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28526	SU	326	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28527	SU	327	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28528	SU	328	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28529	SU	329	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28530	SU	330	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28531	SU	331	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28532	SU	332	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28533	SU	333	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28534	SU	334	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28535	SU	335	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28536	SU	336	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28537	SU	337	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28538	SU	338	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28539	SU	339	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28540	SU	340	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28541	SU	341	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28542	SU	342	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28543	SU	343	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28544	SU	344	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28545	SU	345	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28546	SU	346	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28547	SU	347	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28548	SU	348	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28549	SU	349	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28550	SU	350	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28551	SU	351	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28552	SU	352	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28553	SU	353	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28554	SU	354	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28555	SU	355	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28556	SU	356	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28557	SU	357	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28558	SU	358	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28559	SU	359	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28560	SU	360	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28561	SU	361	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28562	SU	362	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28563	SU	363	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28564	SU	364	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28565	SU	365	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28566	SU	366	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28567	SU	367	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28568	SU	368	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28569	SU	369	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28570	SU	370	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28571	SU	371	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28572	SU	372	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28573	SU	373	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28574	SU	374	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28575	SU	375	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28576	SU	376	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28577	SU	377	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28578	SU	378	14/01/2013			5	\$ 5.00	\$ 25.00

Claim List for Cert of Work 2012 Sulphur

Type	Claim Information				Actual Work Done by Claim		Renewal		
	Grant No.	Claim Name	Claim No.	Expiry Date	Drilling		Years	Annual Fee	Total
Quartz	YD28579	SU	379	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28580	SU	380	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28581	SU	381	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28582	SU	382	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28583	SU	383	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28584	SU	384	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28585	SU	385	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28586	SU	386	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28587	SU	387	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28588	SU	388	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28589	SU	389	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28590	SU	390	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28591	SU	391	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28592	SU	392	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28593	SU	393	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28594	SU	394	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28595	SU	395	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28596	SU	396	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28597	SU	397	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28598	SU	398	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28599	SU	399	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28600	SU	400	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28601	SU	401	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28602	SU	402	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28603	SU	403	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28604	SU	404	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28605	SU	405	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28606	SU	406	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28607	SU	407	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28608	SU	408	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28609	SU	409	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28610	SU	410	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28611	SU	411	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28612	SU	412	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28613	SU	413	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28614	SU	414	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28615	SU	415	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28616	SU	416	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28617	SU	417	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28618	SU	418	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28619	SU	419	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28620	SU	420	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28621	SU	421	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28622	SU	422	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28623	SU	423	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28624	SU	424	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28625	SU	425	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28626	SU	426	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28627	SU	427	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28628	SU	428	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28629	SU	429	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28630	SU	430	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28631	SU	431	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28632	SU	432	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28633	SU	433	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28634	SU	434	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28635	SU	435	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28636	SU	436	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28637	SU	437	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28638	SU	438	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28639	SU	439	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28640	SU	440	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28641	SU	441	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28642	SU	442	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28643	SU	443	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28644	SU	444	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28645	SU	445	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28646	SU	446	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28647	SU	447	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28648	SU	448	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28649	SU	449	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28650	SU	450	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28651	SU	451	14/01/2013			5	\$ 5.00	\$ 25.00
Quartz	YD28652	SU	452	14/01/2013			5	\$ 5.00	\$ 25.00
				Column Total	\$	347,840.71	2687		\$ 13,505.00
				Check Column total less Expenses	\$	-			

Claim List for Cert of Work 2012 Sulphur

Claim Information					Actual Work Done by Claim	Renewal		
Type	Grant No.	Claim Name	Claim No.	Expiry Date	Drilling	Years	Annual Fee	Total
		Number of Claims Where work was done			3			
		Expenses (from Project Management Sheet)			\$ 347,840.71			
		Work Required for requested renewal			\$ 268,700.00			
		Surplus (Deficit)			\$ 79,140.71			
		Years to renew 536 claims x 5 years + 7 claims x 1 year			2687			
		Renwal Fees = 1560 years x \$5.00 + 7 years x \$15.00			\$ 13,505.00			

Sulphur Detail Report from 01/05/2012 to 27/10/2012	Date	Supplier	Invoice	Cost	Totals
5450 Drilling - Wages and Contract	06-18-2012	All-In Exploration Inc	110061	\$ 15,248.00	
	06-07-2012	Earth Tek Drilling Ltd	1038	\$ 76,255.43	
	06-15-2012	Well Done Cook Agency	TAKU#5	\$ 13,520.00	
	06-20-2012	Small's Expediting Services	K9376	\$ 180.00	
	06-20-2012	Small's Expediting Services	K9403	\$ 210.00	
	06-20-2012	Small's Expediting Services	K9414	\$ 37.50	
	06-30-2012	Well Done Cook Agency	TAKU#6	\$ 10,580.54	
	07-03-2012	Earth Tek Drilling Ltd	1040	\$ 53,184.80	
	07-13-2012	BXM	860	\$ 35,112.50	
					\$ 204,328.77
5451 Drilling - Food and Lodgings	06-18-2012	Bonanza Market	Stmt 18 06 12	\$ 8,461.55	
	07-02-2012	Bonanza Market	Stmt 2/07/12	\$ 6,710.66	
	07-13-2012	BXM	860	\$ 1,230.79	
	08-31-2012	BXM	883	\$ 436.00	
					\$ 16,839.00
5452 Drilling - Supplies	05-30-2012	Arctic Inland Resources Ltd	2088046	\$ 252.80	
	06-04-2012	ALX	1045	\$ 2,295.00	
	06-05-2012	Small's Expediting Services	K9217	\$ 930.00	
	06-07-2012	Northern Industrial Sales	S164912	\$ 137.86	
	05-30-2012	Advance North Mechanical	4687	\$ 31.85	
	05-30-2012	Pacesetter Petroleum	Cash	\$ 8,762.60	
	06-01-2012	Arctic Inland Resources Ltd	2088148	\$ 229.85	
	06-02-2012	Arctic Inland Resources Ltd	2088190	\$ 1,310.73	
	06-04-2012	Arctic Inland Resources Ltd	2088221	\$ 185.75	
	06-07-2012	Arctic Inland Resources Ltd	2088366	\$ 70.80	
	06-08-2012	Industrial Electric Services	120812	\$ 208.57	
	06-11-2012	NIS	S166103	\$ 28.18	
	06-12-2012	Super Save Propane	1309118	\$ 832.84	
	06-13-2012	NIS	S167373	\$ 2.63	
	06-15-2012	NIS	A168477	\$ 59.40	
	06-18-2012	NIS	S169173	\$ 2.53	
	07-19-2012	NIS	S169809	\$ 15.25	
	06-20-2012	Industrial Electric Services	120821	\$ 93.83	
	06-21-2012	NIS	S170614	\$ 839.85	
	06-27-2012	Dawson Hardware	27/06/2012	\$ 939.60	
	06-27-2012	Arctic Inland Resources Ltd	2088974	\$ 77.95	
	06-28-2012	Arctic Inland Resources Ltd	2089035	\$ 64.45	
	06-29-2012	Arctic Inland Resources Ltd	2089067	\$ 25.50	
	07-11-2012	Yukon Spring Inc.	m28741	\$ 37.50	
	07-13-2012	BXM	860	\$ 1,921.38	
	08-31-2012	BXM	883	\$ 122.26	
					\$ 19,478.96
5453 Drilling - Transport	06-02-2012	Heli Dynamics	11951	\$ 1,472.80	
	06-02-2012	Heli Dynamics	11953	\$ 1,683.20	
	06-04-2012	Heli Dynamics	11955	\$ 3,576.80	
	06-04-2012	Heli Dynamics	11956	\$ 3,576.80	
	06-06-2012	Heli Dynamics	11957	\$ 3,787.20	
	06-07-2012	Heli Dynamics	11958	\$ 1,262.40	
	06-08-2012	Heli Dynamics	11960	\$ 1,683.20	
	06-09-2012	Heli Dynamics	11804	\$ 4,628.80	
	06-10-2012	Heli Dynamics	11806	\$ 1,262.40	
	05-31-2012	AFD Petroleum	INO47872	\$ 263.89	
	05-31-2012	AFD Petroleum	INO48281	\$ 418.77	
	06-15-2012	Small's Expediting Services	K9342	\$ 830.00	
	07-13-2012	BXM	860	\$ 6,638.17	
	07-22-2012	AFD Petroleum	INO52535	\$ 510.94	
	07-23-2012	AFD Petroleum	INO52141	\$ 98.05	
	07-31-2012	BXM	874	\$ 772.74	
	06-26-2012	AFD Petroleum	INO50045	\$ 848.27	

Sulphur Detail Report from 01/05/2012 to 27/10/2012	Date	Supplier	Invoice	Cost	Totals
	08-31-2012	BXM	883	\$ 245.46	
	06-20-2012	AFD Petroleum	INO49456	\$ 57.98	
	06-10-2012	Heli Dynamics	11809	\$ 420.80	
	06-11-2012	Heli Dynamics	11810	\$ 1,893.60	
	06-12-2012	Heli Dynamics	11811	\$ 4,418.40	
	06-13-2012	Heli Dynamics	11812	\$ 1,893.60	
	06-14-2012	Heli Dynamics	11813	\$ 5,260.00	
	06-15-2012	Heli Dynamics	11814	\$ 2,104.00	
	06-16-2012	Heli Dynamics	11815	\$ 5,680.80	
	06-17-2012	Heli Dynamics	11816	\$ 3,576.80	
	06-18-2012	Heli Dynamics	11819	\$ 3,677.60	
	06-18-2012	Heli Dynamics	12161	\$ 420.80	
	06-19-2012	Heli Dynamics	12162	\$ 1,052.00	
	06-21-2012	Heli Dynamics	12166	\$ 1,052.00	
	06-21-2012	Heli Dynamics	12169	\$ 1,893.60	
	06-23-2012	Heli Dynamics	12171	\$ 420.80	
	06-24-2012	Heli Dynamics	12174	\$ 4,628.80	
	06-20-2012	Heli Dynamics	12164	\$ 13,676.00	
					\$ 85,687.47
5454 Drilling - Rentals	06-01-2012	Small's Expediting Services	K9165	\$ 1,827.40	
	07-13-2012	BXM	860	\$ 1,702.50	
					\$ 3,529.90
5456 Drilling - Assays	06-22-2012	Acmelabs	VANI132598	\$ 2,382.76	
	06-26-2012	Acmelabs	VANI133000	\$ 2,669.46	
	06-27-2012	Acmelabs	VANI133143	\$ 2,661.96	
	06-29-2012	Acmelabs	VANI133663	\$ 2,658.42	
	07-12-2012	Acmelabs	VANI134931	\$ 2,671.03	
	07-12-2012	Acmelabs	VANI134930	\$ 2,661.78	
	07-12-2012	Acmelabs	VANI134927	\$ 1,813.97	
	10-01-2012	Acmelabs	VANST1210-292	\$ 261.60	
					\$ 17,780.98
5457 Drilling - Other	05-31-2012	Small's Expediting Services	K9227	\$ 60.00	
	07-13-2012	BXM	860	\$ 135.63	
					\$ 195.63
Generated On: 27/10/2012				Grand Total	\$347,840.71

APPLICATION TO GROUP MINERAL CLAIMS

Dawson MINING DISTRICT

Office Date Stamp

I, (We) the undersigned owners or agent(s) of the owners of following mineral claims.

(Additional sheets or an appendix may be used) (Claim names and grant numbers to be listed in sequence eg. TOM 1-40, YC10001 - YC10040)

GRANT NUMBER	CLAIM NAME	MAP SHEET
See attached list	See attached list	115O 10, 11, 14, 15

Give notice of intention to group the said claims for the performance of work and do hereby apply under the provisions of section 55 of the *Quartz Mining Act* for a certificate in form 6.

I (We) hereby certify that the above claims are adjoining as shown on the attached sketch

Dated at Dawson City, Yukon

This day of October, 2012

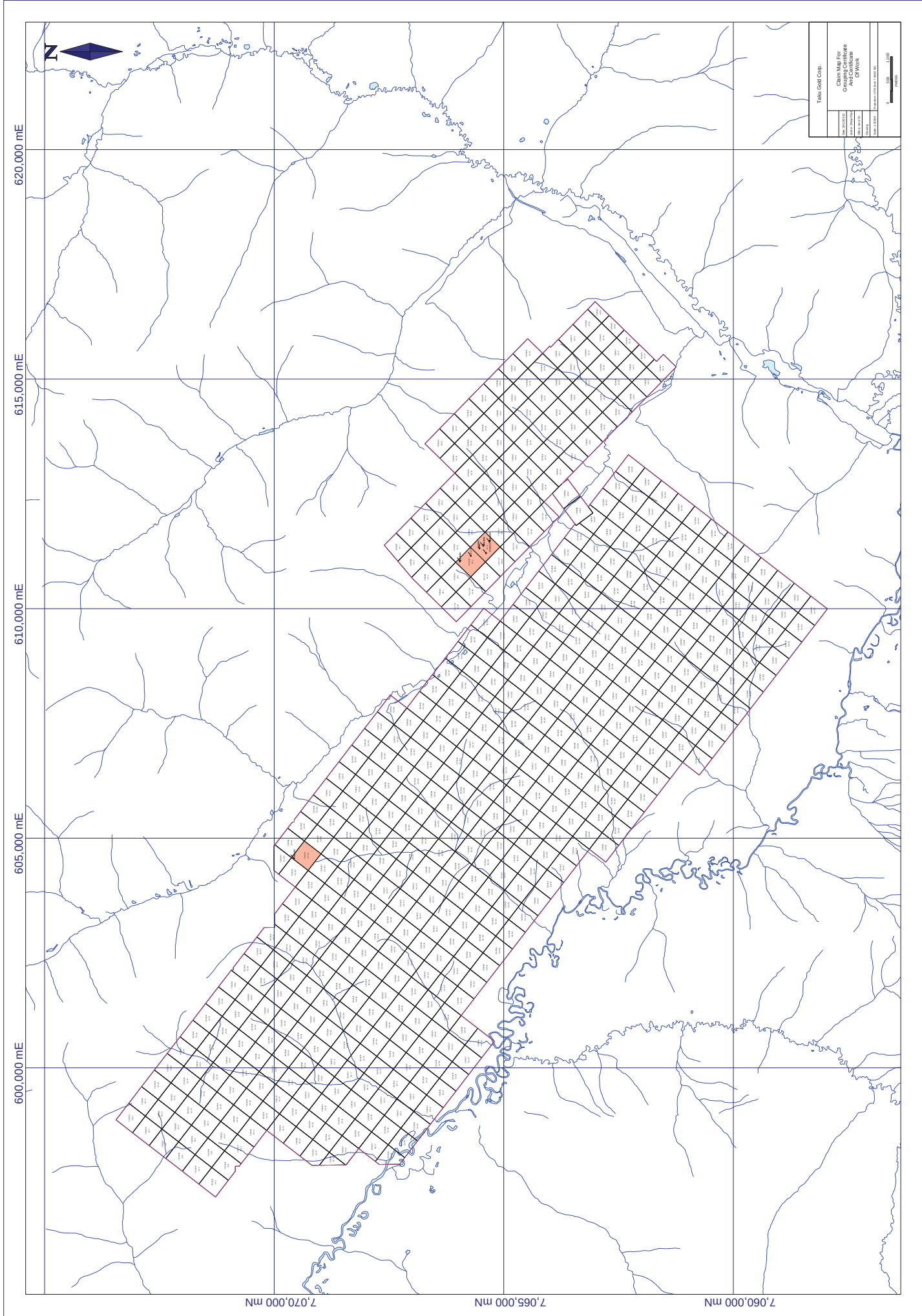
Applicant(s)

Client I.D. Number

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



Memorandum Report of 2012 Drilling

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
December 4, 2012**

VOLUME II

Appendix B – Drill Logs

Breakaway Exploration Management inc.

DDH: SU 12 01

Claims title: YD06610
 Township: NTS 115010
 Range:
 Lot:
 From: 05/06/2012
 To: 08/06/2012

Section:
 Level:
 Work place: Dominion Camp
 Description date: 09/06/2012

Drilled by: Earth Tek Drilling
 Described by: Marty Huber

Collar

Azimuth: 90.00°
 Dip: 50.00°
 Length: 148.00 m

	LL_WGS84	UTM_WGS84
East	-138.7480	611,313.0
North	63.6998	7,065,529.0
Elevation	687.3000	687.3

Averages - Composites

Zone	From	To	Length	Au (ppb)
V1	50.00	52.00	2.00	307

Description

Core size: NQ Cemented: No Stored: Yes

Breakaway Exploration Management inc.

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Reflex	50.00	87.20°	-52.10°	No	
Reflex	100.00	86.60°	54.00°	No	
Reflex	148.00	90.10°	-56.20°	No	

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
0.00	6.10	CAS Casing Casing					
0.00	6.10	0% RQD: 0%; Recovered: 0% Casing					
6.00	25.00	Py02 Pyrite 2% Fine- to medium-grained disseminated pyrite throughout.					
6.10	61.80	M8QzMv Schist Quartz Muscovite White to rusty brown in places; Fine-grained with zones of coarse-grained minerals; well-bedded @ 90°, highly weathered and crumbly, well laminated in places; localized carbonate hematite and limonite alteration throughout; narrow carbonate and quartz veinlets for loose stockwork intermediately throughout interval, fine-grained disseminated sulphide throughout;					
6.10	7.00	66.67% RQD: 66.67%; Recovered: 66.67%					
7.00	10.00	70% RQD: 70%; Recovered: 70%					
8.00	32.00	s; >L<; Hm; m; ; Cb; s; ; Lm Strong; Local; Hematite; Moderate; Pervasive; Carbonate; Strong; Pervasive; Limonite Strong local hematite alteration throughout interval, strong hematite alteration in carbonate veins. Moderate pervasive carbonate veinlets throughout.					
10.00	13.00	33.33% RQD: 33.33%; Recovered: 33.33%					
10.40	11.40	CNR Core Not recovered sand / trouble with casing					
13.00	14.00	CNR Core Not recovered trouble with casing					
13.00	16.00	20% RQD: 20%; Recovered: 20%	15.50	16.50	527451	1.00	
16.00	19.00	53.33%	16.50	17.50	527452	1.00	5

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
17.50	17.80	RQD: 53.33%; Recovered: 53.33% VEI;0.3;Qz;;;	17.50	17.80	527453	0.30	20
		Vein 0.3 Quartz Quartz vein with rusty orange material located within crenulations					
17.80	19.80	M8Cl; FOL	17.80	18.80	527454	1.00	8
		Schist Chlorite; Foliation Pale green to grey Fine-grained with zones of coarse-grained minerals; well foliated schistose @ 90°, well laminated; fine-grained disseminated sulphide throughout.	18.80	19.80	527455	1.00	11
19.00	21.30	86.96%	19.80	20.80	527456	1.00	43
		RQD: 86.96%; Recovered: 86.96%	20.80	21.80	527457	1.00	9
21.30	24.40	51.61%	21.80	22.80	527459	1.00	32
		RQD: 51.61%; Recovered: 51.61%	22.80	23.80	527460	1.00	80
			23.80	24.80	527461	1.00	47
24.40	27.40	76.67%	24.80	26.80	527462	2.00	18
		RQD: 76.67%; Recovered: 76.67%					
25.00	26.00	CNR	26.80	27.60	527463	0.80	6
		Core Not recovered Trouble with casing					
27.40	30.50	83.87%					
		RQD: 83.87%; Recovered: 83.87%					
27.60	28.00	VEI;0.4;Qz;;;;	27.60	28.00	527464	0.40	<2
		Vein 0.4 Quartz White quartz vein mostly crumbly.	28.00	29.00	527465	1.00	5
			29.00	30.00	527467	1.00	<2
			30.00	31.00	527468	1.00	<2
30.50	33.50	83.33%	31.00	32.00	527470	1.00	63
		RQD: 83.33%; Recovered: 83.33%					
32.00	32.40	s;	32.00	33.00	527471	1.00	108
		; Lm	33.00	34.00	527472	1.00	86
		Strong; Pervasive; Limonite Strong limonite alteration along selvages of carbonate stockwork.					
33.50	36.60	74.19%	34.00	35.00	527473	1.00	120
		RQD: 74.19%; Recovered: 74.19%	35.00	36.00	527474	1.00	57
			36.00	36.60	527476	0.60	45
36.60	37.80	M8Cl; FOL					
		Schist Chlorite; Foliation Pale green to grey					

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
		Fine-grained with zones of coarse-grained minerals; well foliated schistose @ 90°, well laminated; fine-grained disseminated sulphide throughout.					
36.60	39.60	76.67% RQD: 76.67%; Recovered: 76.67%	36.60	37.00	527477	0.40	3
			37.00	37.80	527478	0.80	51
37.80	43.00	QFP Quartz Feldspar Porphyry Pale green to grey matrix with pale blue medium-grained porphyroblasts 30%; well-bedded @ 70°, well laminated; localized limonite alteration throughout; narrow carbonate and quartz veinlets for loose stockwork intermediately throughout interval, fine-grained disseminated sulphide throughout;	37.80	39.00	527479	1.20	21
38.50	50.30	s; ; Sil Strong; Pervasive; Silica Strong pervasive silicification					
38.90	46.00	Py01 Pyrite 1% fine-grained disseminated pyrite, highly oxidized	39.00	40.00	527480	1.00	4
39.60	42.70	87.1% RQD: 87.1%; Recovered: 87.1%	40.00	41.00	527481	1.00	12
			41.00	42.00	527482	1.00	20
			42.00	43.00	527483	1.00	9
42.70	45.70	86.67% RQD: 86.67%; Recovered: 86.67%	43.00	44.00	527484	1.00	8
			44.00	45.00	527485	1.00	<2
			45.00	46.00	527486	1.00	2
45.70	48.80	93.55% RQD: 93.55%; Recovered: 93.55%	46.00	47.00	527487	1.00	<2
			47.00	48.00	527488	1.00	<2
			48.00	49.00	527489	1.00	<2
48.80	51.80	93.33% RQD: 93.33%; Recovered: 93.33%	49.00	50.00	527490	1.00	<2
			50.00	51.00	527491	1.00	224
			51.00	52.00	527493	1.00	390
51.60	61.20	Py01 Pyrite 1% Fine- to coarse-grained disseminated pyrite.					
51.80	54.90	80.65% RQD: 80.65%; Recovered: 80.65%	52.00	53.00	527494	1.00	42
			53.00	54.00	527495	1.00	18

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
54.40	61.80	M8Cl; FOL	54.00	54.40	527496	0.40	7
		Schist Chlorite; Foliation	54.40	55.40	527497	1.00	4
	57.90	Pale green to grey	55.40	56.40	527498	1.00	3
		Fine-grained with zones of coarse-grained minerals;					
		well foliated schistose @ 70°, well laminated;					
		fine-grained disseminated sulphide throughout.					
		96.67%					
		RQD: 96.67%; Recovered: 96.67%					
	61.00	87.1%	56.40	57.40	527499	1.00	4
			57.40	58.40	527501	1.00	4
			58.40	59.40	527502	1.00	<2
			59.40	60.40	527503	1.00	<2
61.80	64.00	86.67%	60.40	61.00	527504	0.60	7
		RQD: 86.67%; Recovered: 86.67%	61.00	61.80	527505	0.80	<2
	100.00	QFP	61.80	62.60	527506	0.80	26
		Quartz Feldspar Porphyry					
		Pale green to grey matrix with pale blue medium-grained porphyroblasts 30%;					
		well-bedded @ 75°, well laminated;					
		localized limonite alteration throughout;					
		narrow carbonate and quartz veinlets for loose stockwork intermediately throughout interval,					
		Quartz veins and gauge at contacts, highly altered;					
		fine- to medium-grained disseminated sulphide throughout;					
	63.80	s;	62.60	63.80	527507	1.20	23
		; Lm					
61.80	63.80	Strong; Pervasive; Limonite	63.80	64.50	527508	0.70	22
		limonite alteration associated with quartz and carbonate stockwork					
	63.80	BRE	63.80	64.50	527508	0.70	22
		Breccia					
	63.80	zones of breccia associated with contact, quartz veins and limonite alteration					
		STW;;Qz Cb;;;Pg;					
	63.80	Stockwork Quartz Carbonate Plagioclase					
		Quartz and carbonate stockwork throughout interval.					
	68.00	Py02	62.60	63.80	527507	1.20	23
		Pyrite 2%	63.80	64.50	527508	0.70	22
64.00	66.80	Fine- to medium grained disseminated pyrite throughout.	63.80	64.50	527508	0.70	22
		STW;;Qz Tl;;;Py;					
	66.80	Stockwork Quartz Tourmaline Pyrite					

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
64.00	67.00	Black veinlets possibly tourmaline 83.33% RQD: 83.33%; Recovered: 83.33%	64.50	65.50	527509	1.00	9
			65.50	66.50	527511	1.00	87
			66.50	67.50	527512	1.00	156
67.00	70.00	28.33% RQD: 28.33%; Recovered: 28.33%	67.50	70.50	527513	3.00	14
68.50	69.50	CNR Core Not recovered core not recoverd					
70.00	148.00	Py01 Pyrite 1% fine-grained disseminated pyrite throughout	70.50	71.50	527514	1.00	10
			71.50	72.50	527515	1.00	4
			72.50	73.50	527516	1.00	7
70.00	73.00	96.67% RQD: 96.67%; Recovered: 96.67%					
73.00	76.00	96.67% RQD: 96.67%; Recovered: 96.67%	73.50	74.50	527517	1.00	18
			74.50	75.50	527518	1.00	22
			75.50	76.50	527519	1.00	34
76.00	79.00	90% RQD: 90%; Recovered: 90%	76.50	77.50	527521	1.00	4
			77.50	78.50	527522	1.00	<2
			78.50	79.50	527523	1.00	43
79.00	82.00	86.67% RQD: 86.67%; Recovered: 86.67%	79.50	80.50	527524	1.00	54
			80.50	81.50	527525	1.00	28
			81.50	82.50	527526	1.00	255
82.00	83.20	s; ; Lm Strong; Pervasive; Limonite strong pervasive limonite alteration					
82.00	85.00	83.33% RQD: 83.33%; Recovered: 83.33%	82.50	83.50	527528	1.00	98
			83.50	84.50	527529	1.00	74
			84.50	85.50	527530	1.00	21
85.00	88.00	93.33% RQD: 93.33%; Recovered: 93.33%					
85.50	87.00	M8Cl; FOL Schist Chlorite; Foliation Pale green to grey Fine-grained with zones of coarse-grained minerals;	85.50	86.50	527531	1.00	<2
			86.50	87.00	527532	0.50	<2
			87.00	88.00	527533	1.00	<2

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
88.00	91.00	well foliated schistose @ 70°, well laminated; fine-grained disseminated sulphide throughout.					
		96.67%	88.00	89.00	527534	1.00	<2
		RQD: 96.67%; Recovered: 96.67%	89.00	90.00	527536	1.00	<2
	94.00		90.00	91.00	527537	1.00	<2
		93.33%	91.00	92.00	527538	1.00	<2
		RQD: 93.33%; Recovered: 93.33%	92.00	93.00	527539	1.00	2
	97.00		93.00	94.00	527540	1.00	<2
		96.67%	94.00	95.00	527541	1.00	2
		RQD: 96.67%; Recovered: 96.67%	95.00	96.00	527542	1.00	2
	100.00		96.00	97.00	527543	1.00	<2
		83.33%	97.00	98.00	527544	1.00	<2
		RQD: 83.33%; Recovered: 83.33%	98.00	99.00	527546	1.00	4
	103.00		99.00	100.00	527547	1.00	<2
		M8Cl; FOL	100.00	101.00	527548	1.00	5
		Schist Chlorite; Foliation	101.00	102.00	527549	1.00	<2
100.00	106.00	Pale green to grey	102.00	103.00	527550	1.00	2
		Fine-grained with zones of coarse-grained minerals;					
		well foliated schistose @ 60 to 70°, well laminated;					
	109.00	Brecciated zones within interval;					
		narrow carbonate veinlets for loose stockwork intermediately throughout interval;					
		zones of crenulation cleavage:					
	112.00	fine-grained disseminated sulphide throughout.					
		80%					
		RQD: 80%; Recovered: 80%					
	115.00	80%	103.00	104.00	527551	1.00	11
		RQD: 80%; Recovered: 80%	104.00	105.00	527552	1.00	6
			105.00	106.00	527553	1.00	6
	118.00	80%	106.00	107.00	527554	1.00	8
		RQD: 80%; Recovered: 80%	107.00	108.00	527556	1.00	4
			108.00	109.00	527557	1.00	<2
109.00	112.00	85%					
		RQD: 85%; Recovered: 85%					
		70%					
112.00	115.00	RQD: 70%; Recovered: 70%					

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
115.00	118.00	60% RQD: 60%; Recovered: 60%					
118.00	123.00	BRE Breccia Brecciated zone	120.00	121.00	527558	1.00	<2
118.00	121.00	70% RQD: 70%; Recovered: 70%					
121.00	124.00	83.33% RQD: 83.33%; Recovered: 83.33%	121.00	122.00	527559	1.00	5
			122.00	123.00	527560	1.00	44
			123.00	124.00	527561	1.00	8
124.00	127.00	93.33% RQD: 93.33%; Recovered: 93.33%	124.00	125.00	527563	1.00	5
			125.00	126.00	527564	1.00	59
			126.00	127.00	527565	1.00	66
127.00	130.00	90% RQD: 90%; Recovered: 90%					
130.00	133.00	90% RQD: 90%; Recovered: 90%					
133.00	136.00	96.67% RQD: 96.67%; Recovered: 96.67%					
136.00	139.00	90% RQD: 90%; Recovered: 90%					
139.00	148.00	STW,;Qz,;;; Stockwork Quartz Shear zone, several quartz veinlets throughout.	139.00	140.00	527566	1.00	<2
			140.00	141.00	527567	1.00	<2
			141.00	142.00	527568	1.00	<2
139.00	142.00	96.67% RQD: 96.67%; Recovered: 96.67%					
142.00	145.00	83.33% RQD: 83.33%; Recovered: 83.33%	142.00	143.00	527569	1.00	<2
			143.00	144.00	527571	1.00	2
			144.00	145.00	527572	1.00	<2
145.00	148.00	90% RQD: 90%; Recovered: 90%	145.00	146.00	527573	1.00	<2
			146.00	147.00	527574	1.00	<2
			147.00	148.00	527575	1.00	2
148.00	End of DDH Number of samples: 111 Number of QAQC samples: 14 Total sampled length: 109.50						

Breakaway Exploration Management inc.

QAQC

From	To	Number	Reference	Length	Au (ppb)
		527562	S3		737
		527545	S4		1,093
		527535	RR		<2
		527527	S3		703
		527510	S4		1,277
		527500	RR		<2
		527492	S3		737
		527475	S4		1,338
		527469	RR		<2
		527458	S3		717
28.00	29.00	527466	527465	1.00	10
75.50	76.50	527520	527519	1.00	54
106.00	107.00	527555	527554	1.00	8
142.00	143.00	527570	RR	1.00	<2

Breakaway Exploration Management inc.

RQD

From	To	Length	Recover ed (%)	RQD (%)	Joints			Weathering	Strength	Description
					Number	Type	Angle			
0.00	6.10	6.10	0.00	0.00						Casing
6.10	7.00	0.90	66.67	66.67						
7.00	10.00	3.00	70.00	70.00						
10.00	13.00	3.00	33.33	33.33						
13.00	16.00	3.00	20.00	20.00						
16.00	19.00	3.00	53.33	53.33						
19.00	21.30	2.30	86.96	86.96						
21.30	24.40	3.10	51.61	51.61						
24.40	27.40	3.00	76.67	76.67						
27.40	30.50	3.10	83.87	83.87						
30.50	33.50	3.00	83.33	83.33						
33.50	36.60	3.10	74.19	74.19						
36.60	39.60	3.00	76.67	76.67						
39.60	42.70	3.10	87.10	87.10						
42.70	45.70	3.00	86.67	86.67						
45.70	48.80	3.10	93.55	93.55						
48.80	51.80	3.00	93.33	93.33						
51.80	54.90	3.10	80.65	80.65						
54.90	57.90	3.00	96.67	96.67						
57.90	61.00	3.10	87.10	87.10						
61.00	64.00	3.00	86.67	86.67						
64.00	67.00	3.00	83.33	83.33						
67.00	70.00	3.00	28.33	28.33						
70.00	73.00	3.00	96.67	96.67						
73.00	76.00	3.00	96.67	96.67						
76.00	79.00	3.00	90.00	90.00						
79.00	82.00	3.00	86.67	86.67						
82.00	85.00	3.00	83.33	83.33						
85.00	88.00	3.00	93.33	93.33						
88.00	91.00	3.00	96.67	96.67						
91.00	94.00	3.00	93.33	93.33						
94.00	97.00	3.00	96.67	96.67						

Breakaway Exploration Management inc.

RQD

From	To	Length	Recover ed (%)	RQD (%)	Joints			Weathering	Strength	Description
					Number	Type	Angle			
97.00	100.00	3.00	83.33	83.33						
100.00	103.00	3.00	80.00	80.00						
103.00	106.00	3.00	80.00	80.00						
106.00	109.00	3.00	80.00	80.00						
109.00	112.00	3.00	85.00	85.00						
112.00	115.00	3.00	70.00	70.00						
115.00	118.00	3.00	60.00	60.00						
118.00	121.00	3.00	70.00	70.00						
121.00	124.00	3.00	83.33	83.33						
124.00	127.00	3.00	93.33	93.33						
127.00	130.00	3.00	90.00	90.00						
130.00	133.00	3.00	90.00	90.00						
133.00	136.00	3.00	96.67	96.67						
136.00	139.00	3.00	90.00	90.00						
139.00	142.00	3.00	96.67	96.67						
142.00	145.00	3.00	83.33	83.33						
145.00	148.00	3.00	90.00	90.00						

Breakaway Exploration Management inc.

DDH:	SU 12 02	Claims title:	YD06610	Section:	
		Township:	NTS 115010	Level:	
		Range:		Work place:	Dominion Camp
Drilled by:	Earth Tek	Lot:			
Described by:	Marty Huber	From:	09/06/2012	Description date:	11/06/2012
		To:	12/06/2012		

Collar			
		LL_WGS84	UTM_WGS84
Azimuth:	50.00°	East	-138.7469
Dip:	50.00°	North	63.6991
Length:	148.00 m	Elevation	659.9000

Averages - Composites

Zone	From	To	Length	Au (ppb)
V1	58.00	63.00	5.00	120

Description	
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Core size:	NQ	Cemented: No	Stored: Yes
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Breakaway Exploration Management inc.

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Reflex	50.00	47.30°	-52.10°	No	
Reflex	100.00	46.70°	-53.30°	No	
Reflex	148.00	48.40°	-54.00°	No	

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
0.00	9.00	CAS Casing Casing					
9.00	90.80	QFP Quartz Feldspar Porphyry Grey matrix with pale blue medium-grained porphyroblasts 30%; well-bedded @ 80°, well laminated; strong localized limonite alteration throughout; narrow carbonate and quartz veinlets for loose stockwork intermediately throughout interval; fine- to coarse-grained disseminated sulphide throughout; zones of chlorite schist interfingering throughout interval; crenulation cleavage at contacts with strong limonite alteration					
9.00	150.00	Py02 Pyrite 2% Fine- to coarse-grained disseminated pyrite throughout.					
9.00	11.00	50% RQD: 50%; Recovered: 50%					
11.00	15.00	75% RQD: 75%; Recovered: 75%	11.00	12.00	527591	1.00	<2
			12.00	14.00	527592	2.00	<2
			14.00	15.00	527593	1.00	3
15.00	17.00	s; ; Lm Strong; Pervasive; Limonite strong pervasive limonite alteration, interval is highly weathered.					
15.00	18.00	70% RQD: 70%; Recovered: 70%	15.00	16.00	527594	1.00	6
			16.00	17.00	527595	1.00	3
			17.00	18.00	527596	1.00	<2
17.70	26.00	M8Cl; FOL Schist Chlorite; Foliation Pale green to grey Fine-grained with zones of coarse-grained minerals; well foliated schistose @ 60 to 70°, well laminated; Brecciated zones within interval associated with quartz; narrow carbonate veinlets for loose stockwork intermediately throughout interval; fine- to coarse-grained disseminated sulphide throughout.					
18.00	21.00	63.33% RQD: 63.33%; Recovered: 63.33%	18.00	19.00	527598	1.00	11
19.00	20.00	CNR Core Not recovered	19.00	21.00	527599	2.00	<2

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
21.00	24.00	66.67% RQD: 66.67%; Recovered: 66.67%	21.00	22.00	527600	1.00	<2
22.00	23.00	CNR Core Not recovered	22.00	24.00	527601	2.00	<2
24.00	27.00	96.67% RQD: 96.67%; Recovered: 96.67%	24.00	25.00	527602	1.00	20
			25.00	26.00	527603	1.00	<2
26.00	27.00	s; ; Lm Strong; Pervasive; Limonite several carbonate veinlets throughout.	26.00	27.00	527604	1.00	<2
27.00	30.00	50% RQD: 50%; Recovered: 50%	27.00	28.00	527606	1.00	32
28.00	29.50	CNR Core Not recovered	28.00	30.00	527607	2.00	12
30.00	33.00	86.67% RQD: 86.67%; Recovered: 86.67%	30.00	31.00	527608	1.00	14
			31.00	32.00	527609	1.00	<2
			32.00	33.00	527610	1.00	<2
33.00	36.00	73.33% RQD: 73.33%; Recovered: 73.33%	33.00	34.00	527611	1.00	<2
			34.00	35.00	527612	1.00	<2
			35.00	36.00	527613	1.00	<2
36.00	39.00	93.33% RQD: 93.33%; Recovered: 93.33%	36.00	37.00	527614	1.00	103
			37.00	38.00	527616	1.00	18
			38.00	39.00	527617	1.00	30
39.00	42.00	96.67% RQD: 96.67%; Recovered: 96.67%	39.00	39.80	527618	0.80	6
39.80	47.60	M8Cl; FOL Schist Chlorite; Foliation Pale green to grey Fine-grained with zones of coarse-grained minerals; well foliated schistose @ 60 to 70°, well laminated; Brecciated zones within interval associated with quartz; narrow carbonate veinlets for loose stockwork intermediately throughout interval; fine- to coarse-grained disseminated sulphide throughout.	39.80	40.90	527619	1.10	3
			40.90	41.90	527620	1.00	<2
			41.90	42.90	527621	1.00	<2
42.00	45.00	86.67% RQD: 86.67%; Recovered: 86.67%	42.90	43.90	527622	1.00	<2
			43.90	44.90	527623	1.00	5
			44.90	45.90	527624	1.00	11
45.00	48.00	70%					

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
45.30	46.00	RQD: 70%; Recovered: 70% Breccia Breccia within quartz stockwork					
45.60	45.90	STW:65%;Qz;;40°;; Stockwork 65% 40° Quartz stockwork with strong limonite alteration around selvages, brecciated within stockwork.	45.90	47.00	527626	1.10	9
			47.00	48.00	527627	1.00	203
48.00	51.00	76.67% RQD: 76.67%; Recovered: 76.67%	48.00	49.00	527628	1.00	5
			49.00	50.00	527629	1.00	10
			50.00	51.00	527630	1.00	7
51.00	54.00	80% RQD: 80%; Recovered: 80%	51.00	52.00	527631	1.00	2
52.00	53.00	s; ; Lm Strong; Pervasive; Limonite strong pervasive limonite alteration.	52.00	53.00	527633	1.00	10
			53.00	54.00	527634	1.00	7
54.00	57.00	63.33% RQD: 63.33%; Recovered: 63.33%	54.00	55.00	527635	1.00	12
			55.00	56.00	527636	1.00	3
			56.00	57.00	527637	1.00	68
57.00	60.00	90% RQD: 90%; Recovered: 90%	57.00	58.00	527638	1.00	10
			58.00	59.00	527639	1.00	171
			59.00	60.00	527641	1.00	113
60.00	63.00	86.67% RQD: 86.67%; Recovered: 86.67%	60.00	61.00	527642	1.00	31
			61.00	62.00	527643	1.00	15
			62.00	63.00	527644	1.00	269
63.00	66.00	83.33% RQD: 83.33%; Recovered: 83.33%	63.00	64.00	527645	1.00	66
64.00	66.60	s; ; Lm Strong; Pervasive; Limonite limonite alteration at contact with QFP and M8Ci; some quartz stockwork throughout interval.	64.00	65.00	527646	1.00	24
			65.00	66.00	527647	1.00	10
66.00	69.00	100% RQD: 100%; Recovered: 100%	66.00	66.60	527648	0.60	4
66.60	72.60	M8Ci Schist Chlorite Pale green to grey Fine-grained with zones of coarse-grained minerals;	66.60	67.60	527649	1.00	3
			67.60	68.60	527651	1.00	7
			68.60	69.60	527652	1.00	2

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
69.00	72.00	folded texture throughout interval d4;; moderate pervasive limonite alteration throughout; fine- to coarse-grained disseminated sulphide throughout. 96.67% RQD: 96.67%; Recovered: 96.67%	69.60	70.60	527653	1.00	12
70.60	80.60	STW;90%;Qz;;Py03; Stockwork 90% Quartz stockwork with disseminated pyrite, higher pyrite composition at end of interval.	70.60	71.60	527654	1.00	3
			71.60	72.60	527655	1.00	3
72.00	75.00	80% RQD: 80%; Recovered: 80%					
72.60	80.60	s; ; Lm Strong; Pervasive; Limonite limonite alteration at contact with QFP and M8Cl; quartz veining and stockwork throughout interval.	72.60	73.60	527656	1.00	13
			73.60	74.60	527657	1.00	9
			74.60	75.60	527658	1.00	4
75.00	78.00	40% RQD: 40%; Recovered: 40%	75.60	77.60	527659	2.00	5
			77.60	78.60	527661	1.00	5
78.00	81.00	76.67% RQD: 76.67%; Recovered: 76.67%	78.60	79.60	527662	1.00	10
			79.60	80.60	527663	1.00	<2
			80.60	81.60	527664	1.00	8
81.00	84.00	76.67% RQD: 76.67%; Recovered: 76.67%	81.60	82.60	527665	1.00	<2
			82.60	83.60	527666	1.00	11
			83.60	84.40	527668	0.80	14
84.00	87.00	86.67% RQD: 86.67%; Recovered: 86.67%					
84.40	88.10	M8Cl Schist Chlorite Pale green to grey Fine-grained with zones of coarse-grained minerals; well foliated schistose @ 60 to 70°, well laminated; fine- to coarse-grained disseminated sulphide throughout.	84.40	85.40	527669	1.00	3
			85.40	86.40	527670	1.00	7
			86.40	87.40	527671	1.00	3
87.00	90.00	63.33% RQD: 63.33%; Recovered: 63.33%	87.40	88.10	527672	0.70	2
			88.10	89.30	527673	1.20	136
89.30	89.70	VEI;0.4;Qz;;;Py02; Vein 0.4 Quartz Pyrite 2% Fine- to coarse-grained disseminated pyrite throughout	89.30	89.70	527674	0.40	6
90.00	93.00	93.33% RQD: 93.33%; Recovered: 93.33%	89.70	90.80	527676	1.10	44

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
90.80	150.00	M8Cl; FOL Schist Chlorite; Foliation Pale green to grey Fine-grained with zones of coarse-grained minerals; well foliated schistose @ 60 to 70°, well laminated; highly deformed in places crenulation cleavage throughout; moderate pervasive hematite alteration throughout; narrow carbonate veinlets for loose stockwork intermediately throughout interval; fine- to coarse-grained disseminated sulphide throughout.	90.80	91.80	527677	1.00	39
			91.80	92.80	527678	1.00	312
			92.80	93.80	527679	1.00	4
93.00	96.00	86.67% RQD: 86.67%; Recovered: 86.67%	93.80	94.80	527680	1.00	12
			94.80	95.80	527681	1.00	<2
			95.80	96.80	527682	1.00	<2
96.00	99.00	96.67% RQD: 96.67%; Recovered: 96.67%	96.80	97.80	527683	1.00	10
			97.80	98.80	527684	1.00	2
			98.80	99.80	527686	1.00	7
99.00	102.00	90% RQD: 90%; Recovered: 90%	99.80	100.80	527687	1.00	6
			100.80	101.80	527688	1.00	10
			101.80	102.60	527689	0.80	8
102.00	105.00	93.33% RQD: 93.33%; Recovered: 93.33%					
102.60	103.00	STW;85%;Qz;;Py Py01; Stockwork 85% Quartz Pyrite Pyrite 1% fine-grained disseminated pyrite	102.60	103.00	527690	0.40	<2
			103.00	104.00	527691	1.00	3
			104.00	105.00	527692	1.00	<2
105.00	108.00	96.67% RQD: 96.67%; Recovered: 96.67%	105.00	106.00	527693	1.00	<2
			106.00	107.00	527694	1.00	<2
			107.00	108.00	527696	1.00	<2
108.00	111.00	70% RQD: 70%; Recovered: 70%	108.00	109.00	527697	1.00	<2
111.00	114.00	66.67% RQD: 66.67%; Recovered: 66.67%					
114.00	117.00	93.33% RQD: 93.33%; Recovered: 93.33%	114.50	115.50	527698	1.00	<2
			115.50	116.50	527699	1.00	<2
			116.50	117.50	527700	1.00	<2
117.00	120.00	90% RQD: 90%; Recovered: 90%					
120.00	123.00	73.33%					

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
123.00	126.00	RQD: 73.33%; Recovered: 73.33%					
		90%					
		RQD: 90%; Recovered: 90%					
126.00	129.00	90%					
		RQD: 90%; Recovered: 90%					
129.00	132.00	73.33%	129.00	130.00	527701	1.00	13
		RQD: 73.33%; Recovered: 73.33%	130.00	131.00	527703	1.00	12
			131.00	132.00	527704	1.00	6
132.00	135.00	83.33%	132.00	133.00	527705	1.00	2
		RQD: 83.33%; Recovered: 83.33%	133.00	134.00	527706	1.00	<2
			134.00	135.00	527707	1.00	<2
135.00	138.00	93.33%					
		RQD: 93.33%; Recovered: 93.33%					
138.00	141.00	83.33%					
		RQD: 83.33%; Recovered: 83.33%					
141.00	144.00	76.67%					
		RQD: 76.67%; Recovered: 76.67%					
144.00	147.00	90%					
		RQD: 90%; Recovered: 90%					
148.00	End of DDH Number of samples: 104 Number of QAQC samples: 13 Total sampled length: 107.00						

Breakaway Exploration Management inc.

QAQC

From	To	Number	Reference	Length	Au (ppb)
		527702	S3		710
		527685	S4		1,279
		527675	RR		<2
		527667	S3		698
		527650	S4		1,223
		527640	RR		3
		527632	S3		692
		527615	S4		1,259
		527605	RR		<2
		527597	S3		637
44.90	45.90	527625	527624	1.00	7
75.60	77.60	527660	527659	2.00	3
106.00	107.00	527695	527694	1.00	<2

Breakaway Exploration Management inc.

RQD

From	To	Length	Recover ed (%)	RQD (%)	Joints			Weathering	Strength	Description
					Number	Type	Angle			
9.00	11.00	2.00	50.00	50.00						
11.00	15.00	4.00	75.00	75.00						
15.00	18.00	3.00	70.00	70.00						
18.00	21.00	3.00	63.33	63.33						
21.00	24.00	3.00	66.67	66.67						
24.00	27.00	3.00	96.67	96.67						
27.00	30.00	3.00	50.00	50.00						
30.00	33.00	3.00	86.67	86.67						
33.00	36.00	3.00	73.33	73.33						
36.00	39.00	3.00	93.33	93.33						
39.00	42.00	3.00	96.67	96.67						
42.00	45.00	3.00	86.67	86.67						
45.00	48.00	3.00	70.00	70.00						
48.00	51.00	3.00	76.67	76.67						
51.00	54.00	3.00	80.00	80.00						
54.00	57.00	3.00	63.33	63.33						
57.00	60.00	3.00	90.00	90.00						
60.00	63.00	3.00	86.67	86.67						
63.00	66.00	3.00	83.33	83.33						
66.00	69.00	3.00	100.00	100.00						
69.00	72.00	3.00	96.67	96.67						
72.00	75.00	3.00	80.00	80.00						
75.00	78.00	3.00	40.00	40.00						
78.00	81.00	3.00	76.67	76.67						
81.00	84.00	3.00	76.67	76.67						
84.00	87.00	3.00	86.67	86.67						
87.00	90.00	3.00	63.33	63.33						
90.00	93.00	3.00	93.33	93.33						
93.00	96.00	3.00	86.67	86.67						
96.00	99.00	3.00	96.67	96.67						
99.00	102.00	3.00	90.00	90.00						
102.00	105.00	3.00	93.33	93.33						

Breakaway Exploration Management inc.

RQD

From	To	Length	Recover ed (%)	RQD (%)	Joints			Weathering	Strength	Description
					Number	Type	Angle			
105.00	108.00	3.00	96.67	96.67						
108.00	111.00	3.00	70.00	70.00						
111.00	114.00	3.00	66.67	66.67						
114.00	117.00	3.00	93.33	93.33						
117.00	120.00	3.00	90.00	90.00						
120.00	123.00	3.00	73.33	73.33						
123.00	126.00	3.00	90.00	90.00						
126.00	129.00	3.00	90.00	90.00						
129.00	132.00	3.00	73.33	73.33						
132.00	135.00	3.00	83.33	83.33						
135.00	138.00	3.00	93.33	93.33						
138.00	141.00	3.00	83.33	83.33						
141.00	144.00	3.00	76.67	76.67						
144.00	147.00	3.00	90.00	90.00						

Breakaway Exploration Management inc.

DDH:	SU 12 03	Claims title:	YD06610	Section:	
		Township:	NTS 115010	Level:	
		Range:		Work place:	
Drilled by:	Earth Tek	Lot:			
Described by:	Marty Huber	From:	12/06/2012	Description date:	13/06/2012
		To:	14/06/2012		

Collar			
		LL_WGS84	UTM_WGS84
Azimuth:	55.00°	East	-138.7452
Dip:	50.00°	North	63.6979
Length:	129.00 m	Elevation	639.1000

Averages - Composites

Zone	From	To	Length	Au (ppb)

Description

Core size:	NQ	Cemented: No	Stored: Yes
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Breakaway Exploration Management inc.

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Reflex	30.00	56.50°	-50.10°	No	
Reflex	70.00	24.30°	-50.30°	Yes	
Reflex	126.00	95.80°	-52.20°	Yes	

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
0.00	7.50	CAS Casing Casing					
7.50	32.50	QFP Quartz Feldspar Porphyry Grey matrix with pale blue medium-grained porphyroblasts 30%; well-bedded @ 80°, well laminated, highly brecciated at top of interval; strong Pervasive limonite alteration throughout; Quartz veins and stockwork up to 0.4m wide; fine- to coarse-grained disseminated sulphide throughout;					
7.50	25.80	s; ; Lm Strong; Pervasive; Limonite Strong limonite alteration throughout interval					
7.50	12.10	BRE Breccia Highly brecciated, clasts separated with limonite alteration; fine-grained disseminated pyrite often on selvages of clasts.					
7.50	32.50	Py01 Pyrite 1% Fine-grained disseminated pyrite throughout	7.50	9.00	527708	1.50	94
			9.00	10.00	527709	1.00	22
			10.00	11.00	527711	1.00	19
7.50	11.00	100% RQD: 100%; Recovered: 100%					
11.00	14.00	100% RQD: 100%; Recovered: 100%	11.00	11.30	527712	0.30	9
11.30	11.70	STW;85%;Qz;;;Py01; Stockwork 85% Quartz Pyrite 1% Quartz stockwork with strong limonite alteration at selvages.	11.30	11.70	527713	0.40	37
			11.70	12.70	527714	1.00	47
			12.70	13.70	527715	1.00	23
			13.70	14.70	527716	1.00	6
14.00	17.00	70% RQD: 70%; Recovered: 70%	14.70	15.70	527717	1.00	4
			15.70	17.00	527718	1.30	3
17.00	20.00	86.67% RQD: 86.67%; Recovered: 86.67%	17.00	18.00	527719	1.00	5
			18.00	19.00	527721	1.00	7
			19.00	20.00	527722	1.00	7
20.00	23.00	80% RQD: 80%; Recovered: 80%	20.00	21.00	527723	1.00	6
			21.00	22.30	527724	1.30	6

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
22.30	22.60	VEI;0.3:Qz;;;; Vein 0.3 Quartz	22.30	22.60	527725	0.30	<2
			22.60	23.50	527726	0.90	4
23.00	26.00	86.67% RQD: 86.67%; Recovered: 86.67%	23.50	24.50	527727	1.00	<2
			24.50	25.50	527728	1.00	18
			25.50	26.50	527729	1.00	13
26.00	29.00	93.33% RQD: 93.33%; Recovered: 93.33%	26.50	27.50	527731	1.00	14
			27.50	28.50	527732	1.00	69
			28.50	29.50	527733	1.00	37
29.00	32.00	76.67% RQD: 76.67%; Recovered: 76.67%	29.50	30.50	527734	1.00	32
			30.50	31.50	527735	1.00	15
			31.50	32.50	527736	1.00	8
32.00	35.00	100% RQD: 100%; Recovered: 100%					
32.50	46.00	M8Cl; FOL Schist Chlorite; Foliation Pale green to grey Fine-grained with zones of coarse-grained minerals; well foliated schistose @ 30 to 70°, well laminated; narrow quartz veinlets for loose stockwork intermediately throughout interval; strong pervasive carbonate alteration throughout; fine- to coarse-grained disseminated sulphide throughout.	32.50	33.50	527738	1.00	3
			33.50	34.50	527739	1.00	7
			34.50	35.50	527740	1.00	5
35.00	38.00	100% RQD: 100%; Recovered: 100%	35.50	36.50	527741	1.00	5
			36.50	37.50	527742	1.00	14
			37.50	38.50	527743	1.00	4
38.00	41.00	86.67% RQD: 86.67%; Recovered: 86.67%	38.50	39.50	527744	1.00	4
			39.50	40.50	527746	1.00	<2
40.00	46.00	m; ; Hm Moderate; Pervasive; Hematite	40.50	41.50	527747	1.00	4
41.00	44.00	100% RQD: 100%; Recovered: 100%	41.50	42.50	527748	1.00	24
			42.50	43.50	527749	1.00	4
			43.50	44.50	527750	1.00	<2
44.00	56.00	Py01 Pyrite 1% fine-grained disseminated pyrite intermittently throughout	44.50	45.00	527751	0.50	2
			45.00	46.00	527752	1.00	5

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
44.00	47.00	93.33% RQD: 93.33%; Recovered: 93.33%					
46.00	122.00	QFP Quartz Feldspar Porphyry Grey matrix with pale blue medium-grained porphyroblasts 30%; well-bedded @ 85 to 90°, well laminated; strong localized limonite and biotite alteration; Chlorite schist interfingering throughout interval. fine- to coarse-grained disseminated sulphide throughout;	46.00	47.00	527753	1.00	4
47.00	50.00	90% RQD: 90%; Recovered: 90%	47.00	48.00	527754	1.00	11
			48.00	49.00	527756	1.00	8
			49.00	49.80	527757	0.80	3
49.80	51.20	M8Cl; FOL Schist Chlorite; Foliation Pale green to grey Fine-grained with zones of coarse-grained minerals; well foliated schistose @ 50 to 70°, well laminated; narrow carbonate veinlets for loose stockwork intermediately throughout interval; strong pervasive carbonate alteration throughout; fine-grained disseminated sulphide throughout.	49.80	51.20	527758	1.40	9
50.00	53.00	100% RQD: 100%; Recovered: 100%	51.20	52.20	527759	1.00	17
			52.20	53.20	527760	1.00	5
53.00	56.00	90% RQD: 90%; Recovered: 90%	53.20	54.20	527761	1.00	9
			54.20	55.20	527762	1.00	25
			55.20	56.20	527763	1.00	12
56.00	101.50	Py01 Pyrite 1% Fine to coarse-grained disseminated pyrite throughout, zones of more intense mineralization;	56.20	57.20	527764	1.00	10
			57.20	58.20	527765	1.00	9
			58.20	60.20	527766	2.00	2
56.00	59.00	83.33% RQD: 83.33%; Recovered: 83.33%					
59.00	62.00	83.33% RQD: 83.33%; Recovered: 83.33%					
60.20	62.00	s; ; Lm Strong; Pervasive; Limonite Limonite alteration with coarse-grained biotite minerals localized in this zone.	60.20	61.00	527767	0.80	<2
61.00	67.40	M8Cl; FOL Schist Chlorite; Foliation	61.00	62.00	527768	1.00	3

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
62.00	65.00	Pale green to grey Fine-grained with zones of coarse-grained minerals; well foliated schistose @ 70°, well laminated; narrow carbonate veinlets for loose stockwork intermediately throughout interval; strong pervasive carbonate alteration throughout; fine-grained disseminated sulphide throughout.					
		60%	62.00	63.00	527769	1.00	<2
		RQD: 60%; Recovered: 60%	63.00	64.00	527770	1.00	2
65.00	68.00	90%	64.00	65.00	527771	1.00	3
			65.00	66.00	527773	1.00	8
			66.00	66.50	527774	0.50	4
68.00	71.00	80%	66.50	67.40	527775	0.90	3
			67.40	68.40	527776	1.00	<2
			68.40	69.40	527777	1.00	<2
71.00	74.00	86.67%	69.40	70.40	527778	1.00	<2
			70.40	71.40	527779	1.00	<2
			71.40	72.50	527781	1.10	<2
74.00	77.00	86.67%	72.50	73.50	527782	1.00	2
			73.50	74.50	527783	1.00	3
			74.50	75.50	527784	1.00	3
77.00	80.00	83.33%	75.50	76.50	527785	1.00	<2
			76.50	77.50	527786	1.00	<2
			77.50	78.50	527787	1.00	<2
77.60	80.40	s; ; Lm Strong; Pervasive; Limonite Strong limonite alteration beginning at a sharp contact, some coarse-grained biotite mineralization throughout.	78.50	79.50	527788	1.00	3
			79.50	80.50	527789	1.00	2
80.00	83.00	86.67%	80.50	81.50	527791	1.00	6
			81.50	82.50	527792	1.00	52
			82.50	83.50	527793	1.00	4
83.00	86.00	86.67%	83.50	84.50	527794	1.00	156
84.00	84.20	s; ; Lm	84.50	85.50	527795	1.00	17
			85.50	87.10	527796	1.60	<2

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
86.00	89.00	Strong; Pervasive; Limonite small interval of limonite alteration. 96.67% RQD: 96.67%; Recovered: 96.67%					
86.10	88.80	M8Cl; FOL Schist Chlorite; Foliation Pale green to grey Fine-grained with zones of coarse-grained minerals; well foliated schistose @ 70°, well laminated; narrow quartz veinlets for loose stockwork intermediately throughout interval; strong pervasive carbonate alteration throughout; fine-grained disseminated sulphide throughout.	87.10	88.10	527797	1.00	12
			88.10	88.80	527798	0.70	3
			88.80	89.80	527799	1.00	3
89.00	92.00	83.33% RQD: 83.33%; Recovered: 83.33%	89.80	90.80	527801	1.00	6
			90.80	92.00	527802	1.20	2
92.00	95.00	46.67% RQD: 46.67%; Recovered: 46.67%	92.00	95.00	527803	3.00	<2
93.00	94.00	CNR Core Not recovered blocky material missing core.					
95.00	98.00	80% RQD: 80%; Recovered: 80%	95.00	96.00	527804	1.00	<2
			96.00	97.00	527805	1.00	3
			97.00	98.00	527806	1.00	3
98.00	101.00	100% RQD: 100%; Recovered: 100%	98.00	99.00	527808	1.00	3
			99.00	100.00	527809	1.00	<2
			100.00	101.00	527810	1.00	<2
101.00	104.00	76.67% RQD: 76.67%; Recovered: 76.67%	101.00	102.00	527811	1.00	<2
101.50	106.00	Gp08 Graphite 8% Small zone of graphite mineralization	102.00	103.00	527812	1.00	2
			103.00	104.40	527813	1.40	<2
104.00	107.00	96.67% RQD: 96.67%; Recovered: 96.67%	104.40	105.50	527814	1.10	<2
105.40	106.90	M8Cl; FOL Schist Chlorite; Foliation Pale green to grey Fine-grained with zones of coarse-grained minerals; well foliated schistose @ 80°, well laminated; narrow carbonate veinlets for loose stockwork intermediately throughout interval; strong pervasive carbonate alteration throughout;	105.50	106.90	527816	1.40	<2
			106.90	107.90	527817	1.00	<2

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
107.00	110.00	fine-grained disseminated sulphide throughout. 100% RQD: 100%; Recovered: 100%	107.90	108.90	527818	1.00	3
			108.90	109.90	527819	1.00	15
109.00	128.00	Py02 Pyrite 2% Fine-grained disseminated pyrite throughout; occasional lenses of pyrite mineralization.					
109.60	110.90	s; >L<; Lm Strong; Local; Limonite Brief zones of limonite alteration throughout interval.	109.90	110.90	527820	1.00	13
110.00	113.00	76.67% RQD: 76.67%; Recovered: 76.67%	110.90	112.90	527821	2.00	13
			112.90	113.90	527822	1.00	51
113.00	116.00	76.67% RQD: 76.67%; Recovered: 76.67%	113.90	115.90	527823	2.00	25
			115.90	116.90	527824	1.00	3
116.00	119.00	100% RQD: 100%; Recovered: 100%	116.90	117.90	527826	1.00	3
			117.90	118.90	527827	1.00	<2
			118.90	119.90	527828	1.00	6
119.00	122.00	86.67% RQD: 86.67%; Recovered: 86.67%	119.90	120.90	527829	1.00	199
			120.90	122.00	527830	1.10	12
122.00	129.00	M8Cl; FOL Schist Chlorite; Foliation Pale green to grey Fine-grained with zones of coarse-grained minerals; well foliated schistose @ 70°, well laminated; narrow quartz veinlets for loose stockwork intermediately throughout interval; strong pervasive carbonate alteration throughout; fine- to coarse-grained disseminated sulphide throughout.	122.00	123.00	527831	1.00	2
			123.00	124.00	527832	1.00	4
			124.00	125.00	527833	1.00	2
122.00	125.00	100% RQD: 100%; Recovered: 100%					
125.00	128.00	93.33% RQD: 93.33%; Recovered: 93.33%	125.00	126.00	527834	1.00	9
			126.00	127.00	527836	1.00	4
			127.00	128.00	527837	1.00	2
129.00	End of DDH Number of samples: 116 Number of QAQC samples: 14 Total sampled length: 120.50						

Breakaway Exploration Management inc.

QAQC

From	To	Number	Reference	Length	Au (ppb)
		527825	S4		1,303
		527815	RR		<2
		527807	S3		723
		527790	S4		1,365
		527780	RR		<2
		527772	S3		720
		527755	S4		1,258
		527745	RR		<2
		527737	S3		738
		527720	S4		1,296
		527710	RR		<2
25.50	26.50	527730	527729	1.00	13
88.80	89.80	527800	527799	1.00	5
125.00	126.00	527835	527834	1.00	8

Breakaway Exploration Management inc.

RQD

From	To	Length	Recover ed (%)	RQD (%)	Joints			Weathering	Strength	Description
					Number	Type	Angle			
7.50	11.00	3.50	100.00	100.00						
11.00	14.00	3.00	100.00	100.00						
14.00	17.00	3.00	70.00	70.00						
17.00	20.00	3.00	86.67	86.67						
20.00	23.00	3.00	80.00	80.00						
23.00	26.00	3.00	86.67	86.67						
26.00	29.00	3.00	93.33	93.33						
29.00	32.00	3.00	76.67	76.67						
32.00	35.00	3.00	100.00	100.00						
35.00	38.00	3.00	100.00	100.00						
38.00	41.00	3.00	86.67	86.67						
41.00	44.00	3.00	100.00	100.00						
44.00	47.00	3.00	93.33	93.33						
47.00	50.00	3.00	90.00	90.00						
50.00	53.00	3.00	100.00	100.00						
53.00	56.00	3.00	90.00	90.00						
56.00	59.00	3.00	83.33	83.33						
59.00	62.00	3.00	83.33	83.33						
62.00	65.00	3.00	60.00	60.00						
65.00	68.00	3.00	90.00	90.00						
68.00	71.00	3.00	80.00	80.00						
71.00	74.00	3.00	86.67	86.67						
74.00	77.00	3.00	86.67	86.67						
77.00	80.00	3.00	83.33	83.33						
80.00	83.00	3.00	86.67	86.67						
83.00	86.00	3.00	86.67	86.67						
86.00	89.00	3.00	96.67	96.67						
89.00	92.00	3.00	83.33	83.33						
92.00	95.00	3.00	46.67	46.67						
95.00	98.00	3.00	80.00	80.00						
98.00	101.00	3.00	100.00	100.00						
101.00	104.00	3.00	76.67	76.67						

Breakaway Exploration Management inc.

RQD

From	To	Length	Recover ed (%)	RQD (%)	Joints			Weathering	Strength	Description
					Number	Type	Angle			
104.00	107.00	3.00	96.67	96.67						
107.00	110.00	3.00	100.00	100.00						
110.00	113.00	3.00	76.67	76.67						
113.00	116.00	3.00	76.67	76.67						
116.00	119.00	3.00	100.00	100.00						
119.00	122.00	3.00	86.67	86.67						
122.00	125.00	3.00	100.00	100.00						
125.00	128.00	3.00	93.33	93.33						

Breakaway Exploration Management inc.

DDH:	SU 12 04	Claims title:	YD06610	Section:	
		Township:	NTS 115010	Level:	
		Range:		Work place:	Dominion Camp
Drilled by:	Earth Tek	Lot:			
Described by:	Marty Huber	From:	14/06/2012	Description date:	14/06/2012
		To:	16/06/2012		

Collar			
		LL_WGS84	UTM_WGS84
Azimuth:	55.00°	East	-138.7502
Dip:	50.00°	North	63.6986
Length:	152.00 m	Elevation	686.0000

Averages - Composites

Zone	From	To	Length	Au (ppb)
V1	75.00	77.00	2.00	138

Description	
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Core size:	NQ	Cemented: No	Stored: Yes
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Breakaway Exploration Management inc.

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Reflex	50.00	46.80°	-51.60°	No	
Reflex	100.00	50.00°	-52.80°	No	
Reflex	150.00	50.20°	-53.90°	No	

Breakaway Exploration Management inc.

Description				Assay				
				From	To	Number	Length	Au (ppb)
0.00	9.20	CAS						
		Casing						
		Casing						
9.20	20.50	QFP		11.40	12.00	527838	0.60	<2
		Quartz Feldspar Porphyry						
		Grey to brown matrix with pale blue medium-grained porphyroblasts 30%;						
		well-bedded @ 60°, well laminated;						
		moderate pervasive limonite alteration throughout;						
		fine-grained disseminated sulphide throughout;						
9.20	12.00	42.86%						
		RQD: 42.86%; Recovered: 42.86%						
12.00	15.00	63.33%		12.00	13.00	527839	1.00	23
		RQD: 63.33%; Recovered: 63.33%		13.00	15.00	527840	2.00	2
15.00	18.00	83.33%		15.00	16.00	527841	1.00	<2
		RQD: 83.33%; Recovered: 83.33%		16.00	17.00	527843	1.00	20
				17.00	18.00	527844	1.00	3
18.00	20.50	Py01						
		Pyrite 1%						
		Sparse fine-grained disseminated pyrite						
18.00	21.00	56.67%		18.00	19.00	527845	1.00	<2
		RQD: 56.67%; Recovered: 56.67%		19.00	20.00	527846	1.00	<2
				20.00	20.50	527847	0.50	3
20.50	122.50	M8QzMi		20.50	20.90	527848	0.40	<2
		Schist Quartz Mica		20.90	21.90	527849	1.00	<2
		Grey to purple in places;						
		Fine-grained with zones of coarse-grained minerals;						
		generally well-bedded @ 90°, localized zones of folding, well laminated in places;						
		localized hematite alteration throughout;						
		occasional quartz veinlets throughout interval,						
		dendritic manganese intermittently throughout;						
		fine- to medium-grained disseminated sulphide throughout;						
20.50	20.90	VEI;0.4;Qz;;;;						
		Vein 0.4 Quartz						
21.00	24.00	86.67%		21.90	22.90	527851	1.00	<2
		RQD: 86.67%; Recovered: 86.67%		22.90	23.90	527852	1.00	2
				23.90	24.90	527853	1.00	<2

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
24.00	27.00	70% RQD: 70%; Recovered: 70%	24.90	25.90	527854	1.00	12
			25.90	26.90	527855	1.00	11
			26.90	27.90	527856	1.00	38
27.00	30.00	70% RQD: 70%; Recovered: 70%	27.90	29.90	527857	2.00	16
28.50	90.00	Py01 Pyrite 1% Fine- to coarse grained disseminated pyrite, local clusters of mineralization > 1cm	29.90	30.90	527858	1.00	37
30.00	33.00	83.33% RQD: 83.33%; Recovered: 83.33%	30.90	31.90	527859	1.00	24
			31.90	32.90	527861	1.00	22
			32.90	33.90	527862	1.00	10
33.00	36.00	96.67% RQD: 96.67%; Recovered: 96.67%	33.90	34.90	527863	1.00	7
34.00	36.50	m; ; Hm Moderate; Pervasive; Hematite Hematite alteration throughout.	34.90	35.90	527864	1.00	12
			35.90	36.90	527865	1.00	8
36.00	39.00	86.67% RQD: 86.67%; Recovered: 86.67%	36.90	37.90	527866	1.00	35
			37.90	38.90	527867	1.00	5
			38.90	39.90	527868	1.00	<2
39.00	42.00	80% RQD: 80%; Recovered: 80%	39.90	40.90	527869	1.00	<2
			40.90	41.90	527871	1.00	3
			41.90	42.90	527872	1.00	3
42.00	45.00	63.33% RQD: 63.33%; Recovered: 63.33%	42.90	44.00	527873	1.10	<2
			44.00	45.00	527874	1.00	3
45.00	48.00	70% RQD: 70%; Recovered: 70%	45.00	46.00	527875	1.00	<2
			46.00	47.00	527876	1.00	2
			47.00	48.00	527878	1.00	22
48.00	51.00	63.33% RQD: 63.33%; Recovered: 63.33%	48.00	49.00	527879	1.00	2
			49.00	50.00	527880	1.00	<2
			50.00	54.00	527881	4.00	2
51.00	54.00	3.33% RQD: 3.33%; Recovered: 3.33%					
54.00	57.00	70% RQD: 70%; Recovered: 70%	54.00	55.00	527882	1.00	3
			55.00	56.00	527883	1.00	<2

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
57.00	60.00	86.67% RQD: 86.67%; Recovered: 86.67%	56.00	57.00	527884	1.00	<2
			57.00	58.00	527886	1.00	<2
			58.00	59.00	527887	1.00	<2
			59.00	60.00	527888	1.00	<2
60.00	63.00	63.33% RQD: 63.33%; Recovered: 63.33%	60.00	61.00	527889	1.00	<2
			61.00	62.00	527890	1.00	3
			62.00	63.00	527891	1.00	<2
62.00	66.00	s; ; Sil Strong; Pervasive; Silica Strong silicification, medium-grained biotite minerals throughout.	63.00	64.00	527892	1.00	<2
					527893	1.00	<2
					527894	1.00	<2
					527896	1.00	4
66.00	69.00	83.33% RQD: 83.33%; Recovered: 83.33%	66.00	67.00	527897	1.00	<2
			67.00	68.00	527898	1.00	<2
			68.00	69.00	527899	1.00	5
			69.00	70.00	527900	1.00	13
69.00	72.00	90% RQD: 90%; Recovered: 90%	70.00	71.00	527901	1.00	3
			71.00	72.00	527902	1.00	2
			72.00	73.00	527903	1.00	3
			73.00	74.00	527904	1.00	17
72.00	75.00	90% RQD: 90%; Recovered: 90%	74.00	75.00	527906	1.00	141
			75.00	76.00	527907	1.00	135
			76.00	77.00	527908	1.00	50
			77.00	78.00	527909	1.00	6
75.00	78.00	96.67% RQD: 96.67%; Recovered: 96.67%	78.00	79.00	527910	1.00	10
			79.00	80.00	527911	1.00	6
			80.00	81.00	527913	1.00	4
			81.00	82.00	527914	1.00	4
78.00	81.00	75% RQD: 75%; Recovered: 75%	82.00	83.00	527915	1.00	5
			83.00	84.00	527916	1.00	4
			84.00	85.00	527917	1.00	4
			85.00	87.00	527917	2.00	9
81.00	87.00	CNR Core Not recovered Dropped core	81.00	82.00	527913	1.00	4
			82.00	83.00	527914	1.00	4
84.00	85.00	CNR Core Not recovered Dropped core	83.00	84.00	527915	1.00	5
			84.00	85.00	527916	1.00	4
84.00	85.00	CNR Core Not recovered Dropped core	85.00	87.00	527917	2.00	9
			85.00	87.00	527917	2.00	9

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
87.00	90.00	66.67%	87.00	88.00	527918	1.00	3
		RQD: 66.67%; Recovered: 66.67%	88.00	90.00	527919	2.00	4
90.00	93.00	80%	90.00	91.00	527921	1.00	5
		RQD: 80%; Recovered: 80%	91.00	92.00	527922	1.00	<2
			92.00	93.00	527923	1.00	21
93.00	96.00	96.67%	93.00	94.00	527924	1.00	6
		RQD: 96.67%; Recovered: 96.67%	94.00	95.00	527925	1.00	4
			95.00	96.00	527926	1.00	31
96.00	99.00	100%	96.00	97.00	527927	1.00	3
		RQD: 100%; Recovered: 100%	97.00	98.00	527928	1.00	<2
			98.00	98.90	527929	0.90	<2
98.90	104.50	M8Cl; FOL	98.90	99.90	527931	1.00	9
		Schist Chlorite; Foliation Green to black Fine-grained with zones of coarse-grained minerals; well foliated schistose @ 70°, well laminated; highly deformed in places crenulation cleavage throughout; narrow carbonate veinlets for loose stockwork intermediately throughout interval; fine- to coarse-grained disseminated sulphide throughout.					
99.00	102.00	93.33%	99.90	100.40	527932	0.50	5
		RQD: 93.33%; Recovered: 93.33%					
100.40	100.60	VEI;0.2;Qz;;40°;;	100.40	100.60	527933	0.20	<2
		Vein 0.2 Quartz 40°	100.60	101.60	527934	1.00	9
			101.60	102.60	527935	1.00	2
102.00	105.00	100%	102.60	103.60	527936	1.00	7
		RQD: 100%; Recovered: 100%					
103.00	111.00	Py01	103.60	104.50	527937	0.90	9
		Pyrite 1% Fine- to coarse grained dissmeinated pyrite some, occasional lenses of pyrite mineralization	104.50	105.50	527938	1.00	2
105.00	108.00	100%	105.50	106.50	527939	1.00	4
		RQD: 100%; Recovered: 100%	106.50	107.50	527941	1.00	3
			107.50	108.50	527942	1.00	12
108.00	111.00	100%	108.50	109.50	527943	1.00	4
		RQD: 100%; Recovered: 100%	109.50	110.50	527944	1.00	4
			110.50	111.50	527945	1.00	3

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
111.00	114.00	100% RQD: 100%; Recovered: 100%	111.50	112.50	527946	1.00	4
			112.50	113.50	527948	1.00	7
			113.50	114.50	527949	1.00	6
114.00	117.00	100% RQD: 100%; Recovered: 100%	114.50	115.50	527950	1.00	10
			115.50	116.50	527951	1.00	4
117.00	120.00	100% RQD: 100%; Recovered: 100%					
119.50	122.50	M12 Quartzite grey to purple; fine-grained, massive					
120.00	123.00	100% RQD: 100%; Recovered: 100%					
122.50	152.00	M8Cl; FOL Schist Chlorite; Foliation Pale green to grey Fine-grained with zones of coarse-grained minerals; well foliated schistose @ 60 to 80°, well laminated; highly deformed in places crenulation cleavage throughout; moderate pervasive hematite alteration throughout; quartz veins up to 1.3m wide; narrow carbonate veinlets for loose stockwork intermediately throughout interval; fine- to coarse-grained disseminated sulphide throughout.	122.50	123.50	527952	1.00	2
123.00	126.00	83.33% RQD: 83.33%; Recovered: 83.33%	123.50	124.50	527953	1.00	3
			124.50	126.00	527954	1.50	<2
126.00	129.00	100% RQD: 100%; Recovered: 100%	126.00	127.20	527956	1.20	<2
127.20	128.50	VEI;1.3;Qz;;40°;Py01; Vein 1.3 Quartz 40° Pyrite 1% Quartz vein some pyrite mineralization at contacts.	127.20	128.50	527957	1.30	<2
128.00	150.00	Py02 Pyrite 2% Fine- medium grained disseminated pyrite throughout	128.50	129.50	527958	1.00	<2
129.00	132.00	100% RQD: 100%; Recovered: 100%	129.50	130.50	527959	1.00	<2
			130.50	131.50	527960	1.00	<2
131.00	133.00	m; ; Hm Moderate; Pervasive; Hematite	131.50	132.10	527961	0.60	<2

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
132.00	135.00	100% RQD: 100%; Recovered: 100%					
132.10	132.40	VEI;0.3;Qz;;80°;; Vein 0.3 Quartz 80°	132.10	132.40	527962	0.30	<2
			132.40	133.40	527963	1.00	4
			133.40	134.40	527964	1.00	4
			134.40	135.40	527966	1.00	4
135.00	138.00	100% RQD: 100%; Recovered: 100%	135.40	136.40	527967	1.00	5
			136.40	137.40	527968	1.00	3
			137.40	138.40	527969	1.00	<2
138.00	141.00	100% RQD: 100%; Recovered: 100%	138.40	139.40	527970	1.00	3
			139.40	140.40	527971	1.00	3
140.00	148.00	m; ; Hm Moderate; Pervasive; Hematite	140.40	141.40	527972	1.00	<2
141.00	144.00	100% RQD: 100%; Recovered: 100%	141.40	142.40	527973	1.00	<2
144.00	147.00	100% RQD: 100%; Recovered: 100%					
147.00	150.00	93.33% RQD: 93.33%; Recovered: 93.33%					
150.00	152.00	100% RQD: 100%; Recovered: 100%					
152.00	End of DDH Number of samples: 121 Number of QAQC samples: 15 Total sampled length: 125.00						

Breakaway Exploration Management inc.

QAQC

From	To	Number	Reference	Length	Au (ppb)
		527965	S4		1,248
		527955	RR		<2
		527947	S3		707
		527930	S4		1,232
		527920	RR		<2
		527912	S3		711
		527895	S4		1,215
		527885	RR		<2
		527877	S3		676
		527860	S4		1,227
		527850	527849		<2
		527842	S3		682
39.90	40.90	527870	527869	1.00	4
74.00	75.00	527905	527904	1.00	4
105.50	106.50	527940	527939	1.00	4

Breakaway Exploration Management inc.

RQD

From	To	Length	Recover ed (%)	RQD (%)	Joints			Weathering	Strength	Description
					Number	Type	Angle			
9.20	12.00	2.80	42.86	42.86						
12.00	15.00	3.00	63.33	63.33						
15.00	18.00	3.00	83.33	83.33						
18.00	21.00	3.00	56.67	56.67						
21.00	24.00	3.00	86.67	86.67						
24.00	27.00	3.00	70.00	70.00						
27.00	30.00	3.00	70.00	70.00						
30.00	33.00	3.00	83.33	83.33						
33.00	36.00	3.00	96.67	96.67						
36.00	39.00	3.00	86.67	86.67						
39.00	42.00	3.00	80.00	80.00						
42.00	45.00	3.00	63.33	63.33						
45.00	48.00	3.00	70.00	70.00						
48.00	51.00	3.00	63.33	63.33						
51.00	54.00	3.00	3.33	3.33						
54.00	57.00	3.00	70.00	70.00						
57.00	60.00	3.00	86.67	86.67						
60.00	63.00	3.00	63.33	63.33						
63.00	66.00	3.00	70.00	70.00						
66.00	69.00	3.00	83.33	83.33						
69.00	72.00	3.00	90.00	90.00						
72.00	75.00	3.00	90.00	90.00						
75.00	78.00	3.00	90.00	90.00						
78.00	81.00	3.00	96.67	96.67						
81.00	87.00	6.00	75.00	75.00						
87.00	90.00	3.00	66.67	66.67						
90.00	93.00	3.00	80.00	80.00						
93.00	96.00	3.00	96.67	96.67						
96.00	99.00	3.00	100.00	100.00						
99.00	102.00	3.00	93.33	93.33						
102.00	105.00	3.00	100.00	100.00						
105.00	108.00	3.00	100.00	100.00						

Breakaway Exploration Management inc.

RQD

From	To	Length	Recover ed (%)	RQD (%)	Joints			Weathering	Strength	Description
					Number	Type	Angle			
108.00	111.00	3.00	100.00	100.00						
111.00	114.00	3.00	100.00	100.00						
114.00	117.00	3.00	100.00	100.00						
117.00	120.00	3.00	100.00	100.00						
120.00	123.00	3.00	100.00	100.00						
123.00	126.00	3.00	83.33	83.33						
126.00	129.00	3.00	100.00	100.00						
129.00	132.00	3.00	100.00	100.00						
132.00	135.00	3.00	100.00	100.00						
135.00	138.00	3.00	100.00	100.00						
138.00	141.00	3.00	100.00	100.00						
141.00	144.00	3.00	100.00	100.00						
144.00	147.00	3.00	100.00	100.00						
147.00	150.00	3.00	93.33	93.33						
150.00	152.00	2.00	100.00	100.00						

Breakaway Exploration Management inc.

DDH:	SU 12 05	Claims title:	YD06609	Section:	
		Township:	NTS 115010	Level:	
		Range:		Work place:	Dominion Camp
Drilled by:	Earth Tek	Lot:			
Described by:	Marty Huber	From:	16/06/2012	Description date:	16/06/2012
		To:	17/06/2012		

Collar			
		LL_WGS84	UTM_WGS84
Azimuth:	55.00°	East	-138.7512
Dip:	50.00°	North	63.7160
Length:	155.00 m	Elevation	719.0000

Averages - Composites

Zone	From	To	Length	Au (ppb)

Description	
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Core size:	NQ	Cemented: No	Stored: Yes
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Breakaway Exploration Management inc.

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Reflex	50.00	55.20°	-52.80°	No	
Reflex	100.00	55.90°	-54.30°	No	
Reflex	148.00	55.80°	-55.10°	No	

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
0.00	6.00	CAS Casing Casing					
6.00	135.10	QFP Quartz Feldspar Porphyry Grey matrix with pale blue medium-grained porphyroblasts 30%; well-bedded @ 85 to 90°, well laminated; strong surface weathering, very crumbly; large zones of brecciated and sheared material; strong localized limonite and biotite alteration; Chlorite schist inter-fingered throughout bottom of interval. fine-grained disseminated sulphide intermittently throughout;					
6.00	34.00	CNR Core Not recovered Large zones of core not recovered from 6 - 100m, very blocky and sandy throughout					
6.00	15.00	13.33% RQD: 13.33%; Recovered: 13.33%					
15.00	18.00	s; ; Lm Strong; Pervasive; Limonite					
15.00	18.00	36.67% RQD: 36.67%; Recovered: 36.67%	15.00	18.00	527974	3.00	14
18.00	21.00	13.33% RQD: 13.33%; Recovered: 13.33%	18.00	21.00	527976	3.00	20
21.00	24.00	76.67% RQD: 76.67%; Recovered: 76.67%	21.00	22.00	527977	1.00	11
			22.00	23.00	527978	1.00	114
			23.00	24.00	527979	1.00	13
24.00	27.00	16.67% RQD: 16.67%; Recovered: 16.67%	24.00	27.00	527980	3.00	118
27.00	30.00	38.33% RQD: 38.33%; Recovered: 38.33%	27.00	30.00	527981	3.00	12
30.00	33.00	73.33% RQD: 73.33%; Recovered: 73.33%	30.00	31.00	527983	1.00	3
			31.00	32.00	527984	1.00	7
			32.00	33.00	527985	1.00	3
33.00	36.00	76.67% RQD: 76.67%; Recovered: 76.67%	33.00	34.00	527986	1.00	25
34.00	36.00	BRE; CIS Breccia; Sheared Core is very crumbly, in zones where rock is intact it is brecciated.	34.00	36.00	527987	2.00	74

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
36.00	39.00	36.67% RQD: 36.67%; Recovered: 36.67%	36.00	37.00	527988	1.00	11
			37.00	39.00	527989	2.00	27
39.00	42.00	63.33% RQD: 63.33%; Recovered: 63.33%	39.00	40.00	527991	1.00	7
			40.00	41.00	527992	1.00	4
41.00	44.00	BRE; CIS Breccia; Sheared Brecciated material throughout interval.	41.00	42.00	527993	1.00	2
42.00	45.00	Py01 Pyrite 1% fine-grained disseminated pyrite					
42.00	45.00	63.33% RQD: 63.33%; Recovered: 63.33%	42.00	43.00	527994	1.00	37
			43.00	44.00	527995	1.00	69
			44.00	45.00	527996	1.00	57
45.00	48.00	43.33% RQD: 43.33%; Recovered: 43.33%	45.00	46.00	527997	1.00	19
			46.00	48.00	527998	2.00	32
48.00	51.00	33.33% RQD: 33.33%; Recovered: 33.33%	48.00	51.00	527999	3.00	13
51.00	54.00	BRE; CIS Breccia; Sheared Brecciated material throughout interval, some portions extremely weathered and clayey.					
51.00	54.00	53.33% RQD: 53.33%; Recovered: 53.33%	51.00	52.00	1305501	1.00	50
			52.00	54.00	1305502	2.00	27
54.00	57.00	73.33% RQD: 73.33%; Recovered: 73.33%	54.00	55.00	1305503	1.00	51
			55.00	56.00	1305504	1.00	13
			56.00	57.00	1305505	1.00	17
57.00	60.00	83.33% RQD: 83.33%; Recovered: 83.33%	57.00	58.00	1305506	1.00	13
			58.00	59.00	1305507	1.00	25
59.00	60.00	s; ; Lm Strong; Pervasive; Limonite	59.00	60.00	1305508	1.00	21
60.00	63.00	76.67% RQD: 76.67%; Recovered: 76.67%	60.00	61.00	1305509	1.00	47
			61.00	62.00	1305511	1.00	21
			62.00	63.30	1305512	1.30	18
63.00	66.00	63.33% RQD: 63.33%; Recovered: 63.33%	63.30	64.50	1305513	1.20	33

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
63.40	65.00	s; ; Bo Strong; Pervasive; Biotite Dark brown to black; well foliated, biotitic moderate limonite alteration throughout.	64.50	66.00	1305514	1.50	81
66.00	155.00	Py01 Pyrite 1% fine- to coarse-grained disseminated pyrite, generally fairly oxidized.	66.00	67.00	1305515	1.00	51
			67.00	69.00	1305516	2.00	39
66.00	69.00	56.67% RQD: 56.67%; Recovered: 56.67%					
69.00	72.00	50% RQD: 50%; Recovered: 50%	69.00	70.00	1305518	1.00	15
			70.00	72.00	1305519	2.00	11
72.00	96.00	BRE; CIS Breccia; Sheared Zones of brecciated material intermittently throughout interval; some portions extremely weathered and clayey appears sheared; rusty brown alteration throughout brecciated zones.	72.00	73.00	1305520	1.00	5
			73.00	75.00	1305521	2.00	10
72.00	75.00	36.67% RQD: 36.67%; Recovered: 36.67%					
75.00	78.00	30% RQD: 30%; Recovered: 30%	75.00	78.00	1305522	3.00	3
78.00	81.00	73.33% RQD: 73.33%; Recovered: 73.33%	78.00	79.00	1305523	1.00	20
			79.00	80.00	1305524	1.00	4
			80.00	81.00	1305526	1.00	106
81.00	84.00	93.33% RQD: 93.33%; Recovered: 93.33%	81.00	82.00	1305527	1.00	16
			82.00	83.00	1305528	1.00	65
			83.00	84.00	1305529	1.00	40
83.60	98.00	m; ; Lm Moderate; Pervasive; Limonite Rusty brown limonite alteration throughout, typically more prominent between clasts in brecciated zones.					
84.00	87.00	86.67% RQD: 86.67%; Recovered: 86.67%	84.00	85.00	1305530	1.00	117
			85.00	86.00	1305531	1.00	44
			86.00	87.00	1305532	1.00	48
87.00	90.00	80% RQD: 80%; Recovered: 80%	87.00	88.00	1305533	1.00	9
			88.00	89.00	1305534	1.00	<2

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
			89.00	90.00	1305536	1.00	25
90.00	93.00	36.67% RQD: 36.67%; Recovered: 36.67%	90.00	93.00	1305537	3.00	22
93.00	96.00	46.67% RQD: 46.67%; Recovered: 46.67%	93.00	94.00	1305538	1.00	33
			94.00	95.00	1305539	1.00	22
			95.00	96.00	1305540	1.00	10
96.00	99.00	100% RQD: 100%; Recovered: 100%	96.00	97.00	1305541	1.00	5
			97.00	98.00	1305542	1.00	<2
			98.00	99.00	1305543	1.00	11
99.00	101.00	100% RQD: 100%; Recovered: 100%	99.00	100.00	1305544	1.00	58
			100.00	101.00	1305546	1.00	30
101.00	104.00	53.33% RQD: 53.33%; Recovered: 53.33%	101.00	101.90	1305547	0.90	5
101.90	103.00	M8Ci; FOL Schist Chlorite; Foliation Green to grey Generally fine-grained with of coarse-grained biotite; well foliated schistose @ 80°, well laminated; narrow carbonate veinlets for loose stockwork intermediately throughout interval;	101.90	103.00	1305548	1.10	<2
103.00	103.60	s; ; Lm Strong; Pervasive; Limonite limonite alteration within brecciated zone					
103.00	104.00	BRE Breccia Brecciated within QFP associated with quartz clasts and limonite alteration.	103.00	104.00	1305549	1.00	10
103.60	106.80	M8Ci; FOL Schist Chlorite; Foliation Pale green to rusty brown Fine-grained well foliated schistose @ 60 to 70°, well laminated; fine- to coarse-grained disseminated sulphide throughout.					
104.00	107.00	83.33% RQD: 83.33%; Recovered: 83.33%	104.00	105.00	1305550	1.00	2
			105.00	106.00	1305551	1.00	<2
			106.00	106.80	1305553	0.80	3
			106.80	107.80	1305554	1.00	4

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
107.00	110.00	90% RQD: 90%; Recovered: 90%	107.80	108.80	1305555	1.00	3
			108.80	109.80	1305556	1.00	4
			109.80	110.80	1305557	1.00	<2
110.00	113.00	63.33% RQD: 63.33%; Recovered: 63.33%	110.80	111.80	1305558	1.00	11
			111.80	112.80	1305559	1.00	<2
112.80	113.30	M8Cl; FOL Schist Chlorite; Foliation Pale green to rusty brown; Fine-grained with zones of coarse-grained minerals; well foliated schistose @ 60 to 70°, well laminated; strong pervasive limonite alteration throughout; fine- to coarse-grained disseminated sulphide throughout.	112.80	113.30	1305561	0.50	2
113.00	116.00	96.67% RQD: 96.67%; Recovered: 96.67%	113.30	114.30	1305562	1.00	11
			114.30	115.30	1305563	1.00	26
			115.30	116.50	1305564	1.20	9
116.00	119.00	86.67% RQD: 86.67%; Recovered: 86.67%	116.50	117.00	1305565	0.50	<2
			117.00	118.00	1305566	1.00	<2
			118.00	119.00	1305567	1.00	15
119.00	122.00	96.67% RQD: 96.67%; Recovered: 96.67%	119.00	120.00	1305568	1.00	34
			120.00	121.00	1305569	1.00	17
			121.00	122.00	1305571	1.00	29
122.00	125.00	96.67% RQD: 96.67%; Recovered: 96.67%	122.00	123.00	1305572	1.00	3
			123.00	124.00	1305573	1.00	10
			124.00	125.00	1305574	1.00	9
125.00	128.00	73.33% RQD: 73.33%; Recovered: 73.33%	125.00	126.80	1305575	1.80	11
126.80	130.40	M8Cl; FOL Schist Chlorite; Foliation Pale green to grey Fine-grained with zones of coarse-grained minerals; well foliated schistose @ 70°, well laminated; moderate pervasive silicification alteration throughout; narrow carbonate veinlets for loose stockwork intermediately throughout interval; fine- to coarse-grained disseminated sulphide throughout.	126.80	127.80	1305576	1.00	23
			127.80	128.80	1305577	1.00	16
128.00	131.00	80% RQD: 80%; Recovered: 80%	128.80	130.40	1305578	1.60	18
			130.40	131.40	1305579	1.00	4

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
131.00	134.00	90% RQD: 90%; Recovered: 90%					
131.40	134.30	M8Cl; FOL Schist Chlorite; Foliation Pale green to rusty brown; Fine-grained with zones of coarse-grained minerals; well foliated schistose @ 70°, well laminated; narrow carbonate veinlets for loose stockwork intermediately throughout interval; fine- to coarse-grained disseminated sulphide throughout.	131.40	132.40	1305581	1.00	5
			132.40	133.40	1305582	1.00	<2
			133.40	134.30	1305583	0.90	6
134.00	137.00	90% RQD: 90%; Recovered: 90%	134.30	135.10	1305584	0.80	<2
135.10	155.00	M8Cl Schist Chlorite Pale green to grey Fine-grained with zones of medium-grained minerals; well foliated schistose @ 30 to 90°, well laminated; moderate pervasive hematite alteration throughout; strong pervasive carbonate alteration parallel to bedding; narrow carbonate veinlets for loose stockwork intermediately throughout interval; fine- to coarse-grained disseminated sulphide throughout.					
135.10	155.00	s; ; Cb Strong; Pervasive; Carbonate Strong carbonate alteration parallel to bedding, occasionally crosscut by carbonate veinlets.	135.10	136.10	1305585	1.00	<2
			136.10	137.10	1305586	1.00	<2
137.00	140.00	100% RQD: 100%; Recovered: 100%	137.10	138.10	1305588	1.00	4
			138.10	139.10	1305589	1.00	<2
			139.10	140.10	1305590	1.00	4
140.00	143.00	90% RQD: 90%; Recovered: 90%	140.10	141.10	1305591	1.00	6
			141.10	142.10	1305592	1.00	<2
			142.10	142.50	1305593	0.40	<2
143.00	146.00	96.67% RQD: 96.67%; Recovered: 96.67%					
146.00	149.00	93.33% RQD: 93.33%; Recovered: 93.33%					
149.00	152.00	93.33% RQD: 93.33%; Recovered: 93.33%					
152.00	155.00	90% RQD: 90%; Recovered: 90%					

Breakaway Exploration Management inc.

155.00

End of DDH

Number of samples: 106

Number of QAQC samples: 14

Total sampled length: 127.50

Breakaway Exploration Management inc.

QAQC

From	To	Number	Reference	Length	Au (ppb)
		1305587	S3		747
		1305570	S4		1,310
		1305560	RR		<2
		1305552	S3		655
		1305535	S4		1,310
		1305525	RR		<2
		1305517	S3		695
		528000	S4		1,244
		527990	RR		<2
		527982	S3		715
15.00	18.00	527975	527974	3.00	9
60.00	61.00	1305510	1305509	1.00	62
99.00	100.00	1305545	1305544	1.00	52
130.40	131.40	1305580	1305579	1.00	22

Breakaway Exploration Management inc.

RQD

From	To	Length	Recover ed (%)	RQD (%)	Joints			Weathering	Strength	Description
					Number	Type	Angle			
6.00	15.00	9.00	13.33	13.33						
15.00	18.00	3.00	36.67	36.67						
18.00	21.00	3.00	13.33	13.33						
21.00	24.00	3.00	76.67	76.67						
24.00	27.00	3.00	16.67	16.67						
27.00	30.00	3.00	38.33	38.33						
30.00	33.00	3.00	73.33	73.33						
33.00	36.00	3.00	76.67	76.67						
36.00	39.00	3.00	36.67	36.67						
39.00	42.00	3.00	63.33	63.33						
42.00	45.00	3.00	63.33	63.33						
45.00	48.00	3.00	43.33	43.33						
48.00	51.00	3.00	33.33	33.33						
51.00	54.00	3.00	53.33	53.33						
54.00	57.00	3.00	73.33	73.33						
57.00	60.00	3.00	83.33	83.33						
60.00	63.00	3.00	76.67	76.67						
63.00	66.00	3.00	63.33	63.33						
66.00	69.00	3.00	56.67	56.67						
69.00	72.00	3.00	50.00	50.00						
72.00	75.00	3.00	36.67	36.67						
75.00	78.00	3.00	30.00	30.00						
78.00	81.00	3.00	73.33	73.33						
81.00	84.00	3.00	93.33	93.33						
84.00	87.00	3.00	86.67	86.67						
87.00	90.00	3.00	80.00	80.00						
90.00	93.00	3.00	36.67	36.67						
93.00	96.00	3.00	46.67	46.67						
96.00	99.00	3.00	100.00	100.00						
99.00	101.00	2.00	100.00	100.00						
101.00	104.00	3.00	53.33	53.33						
104.00	107.00	3.00	83.33	83.33						

Breakaway Exploration Management inc.

RQD

From	To	Length	Recover ed (%)	RQD (%)	Joints			Weathering	Strength	Description
					Number	Type	Angle			
107.00	110.00	3.00	90.00	90.00						
110.00	113.00	3.00	63.33	63.33						
113.00	116.00	3.00	96.67	96.67						
116.00	119.00	3.00	86.67	86.67						
119.00	122.00	3.00	96.67	96.67						
122.00	125.00	3.00	96.67	96.67						
125.00	128.00	3.00	73.33	73.33						
128.00	131.00	3.00	80.00	80.00						
131.00	134.00	3.00	90.00	90.00						
134.00	137.00	3.00	90.00	90.00						
137.00	140.00	3.00	100.00	100.00						
140.00	143.00	3.00	90.00	90.00						
143.00	146.00	3.00	96.67	96.67						
146.00	149.00	3.00	93.33	93.33						
149.00	152.00	3.00	93.33	93.33						
152.00	155.00	3.00	90.00	90.00						

Breakaway Exploration Management inc.

DDH:	SU 12 06	Claims title:	YD06609	Section:	
		Township:	NTS 115010	Level:	
		Range:		Work place:	Dominion Camp
Drilled by:	Earth Tek	Lot:			
Described by:		From:	18/06/2012	Description date:	19/06/2012
		To:	20/06/2012		

Collar			
		LL_WGS84	UTM_WGS84
Azimuth:	55.00°	East	-138.7534
Dip:	50.00°	North	63.7038
Length:	149.00 m	Elevation	733.0000

Averages - Composites

Zone	From	To	Length	Au (ppb)
V1	56.00	58.00	2.00	136

Description	
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Core size:	NQ	Cemented: No	Stored: Yes
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Breakaway Exploration Management inc.

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Reflex	50.00	57.10°	50.80°	No	
Reflex	100.00	57.80°	51.40°	No	
Reflex	140.00	59.40°	51.40°	No	

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
0.00	4.50	CAS Casing Casing					
4.50	128.20	QFP Quartz Feldspar Porphyry Grey matrix with pale blue to white medium-grained porphyroblasts 25%; well-bedded @ 75°, well laminated; large zones of brecciated and sheared material; strong localized limonite alteration; Chlorite schist inter-fingered throughout bottom of interval; narrow carbonate stockwork throughout; occasional quartz veinlets < 0.1m; fine- to coarse-grained disseminated sulphide intermittently throughout;	4.50	5.50	1305594	1.00	<2
4.50	66.00	Py01 Pyrite 1% Fine- to coarse-grained disseminated pyrite throughout; generally fairly oxidized.					
4.50	5.50	80% RQD: 80%; Recovered: 80%					
5.50	8.50	73.33% RQD: 73.33%; Recovered: 73.33%	5.50	6.50	1305596	1.00	6
			6.50	7.50	1305597	1.00	5
			7.50	8.50	1305598	1.00	6
8.50	11.50	33.33% RQD: 33.33%; Recovered: 33.33%	8.50	11.50	1305599	3.00	4
11.50	14.50	73.33% RQD: 73.33%; Recovered: 73.33%	11.50	12.50	1305600	1.00	2
			12.50	14.50	1305601	2.00	8
14.50	17.50	90% RQD: 90%; Recovered: 90%	14.50	15.50	1305602	1.00	3
			15.50	16.50	1305603	1.00	16
16.00	29.00	m; ; Lm Moderate; Pervasive; Limonite Rusty brown limonite alteration throughout; prominant limonite alteration in veinlets and fractures.	16.50	17.50	1305604	1.00	91
17.50	20.00	100% RQD: 100%; Recovered: 100%	17.50	18.50	1305606	1.00	46
			18.50	19.50	1305607	1.00	35
			19.50	21.00	1305608	1.50	24
20.00	23.00	80% RQD: 80%; Recovered: 80%	21.00	22.00	1305609	1.00	18
			22.00	23.00	1305610	1.00	18

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
23.00	26.00	93.33% RQD: 93.33%; Recovered: 93.33%	23.00	24.00	1305611	1.00	19
			24.00	25.00	1305612	1.00	13
			25.00	26.00	1305613	1.00	10
26.00	29.00	100% RQD: 100%; Recovered: 100%	26.00	27.00	1305614	1.00	33
			27.00	28.00	1305616	1.00	179
			28.00	29.00	1305617	1.00	46
29.00	32.00	90% RQD: 90%; Recovered: 90%	29.00	30.00	1305618	1.00	60
			30.00	31.00	1305619	1.00	103
			31.00	32.00	1305620	1.00	32
32.00	35.00	93.33% RQD: 93.33%; Recovered: 93.33%	32.00	33.00	1305621	1.00	65
			33.00	34.00	1305623	1.00	47
32.50	33.00	CIS Sheared Very crumbly and clayey	34.00	35.00	1305624	1.00	39
			35.00	36.00	1305625	1.00	31
35.00	38.00	93.33% RQD: 93.33%; Recovered: 93.33%	36.00	37.00	1305626	1.00	70
			37.00	38.00	1305627	1.00	119
			38.00	39.00	1305628	1.00	52
38.00	41.00	96.67% RQD: 96.67%; Recovered: 96.67%	39.00	40.00	1305629	1.00	20
			40.00	41.00	1305631	1.00	48
			41.00	43.00	1305632	2.00	22
41.00	44.00	93.33% RQD: 93.33%; Recovered: 93.33%	43.00	44.00	1305633	1.00	4
			44.00	45.00	1305634	1.00	107
			45.00	46.00	1305635	1.00	12
44.00	47.00	96.67% RQD: 96.67%; Recovered: 96.67%	46.00	47.00	1305636	1.00	11
			47.00	48.00	1305637	1.00	<2
			48.00	48.70	1305638	0.70	21
47.00	50.00	100% RQD: 100%; Recovered: 100%	48.70	49.40	1305639	0.70	99
			49.40	50.00	1305641	0.60	82
48.70	50.00	s; ; Lm Strong; Pervasive; Limonite Rusty brown limonite alteration, associated with brecciated material					
48.70	50.00	BRE; CIS Breccia; Sheared Brecciated, appears to be part of a shear zone.	48.70	49.40	1305639	0.70	99
			49.40	50.00	1305641	0.60	82

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
50.00	53.00	90%	50.00	51.00	1305642	1.00	3
		RQD: 90%; Recovered: 90%	51.00	52.00	1305643	1.00	10
52.00	53.00	BRE; CIS	52.00	53.00	1305644	1.00	12
		Breccia; Sheared					
		Brecciated and sheared					
53.00	56.00	100%	53.00	54.00	1305645	1.00	25
		RQD: 100%; Recovered: 100%	54.00	55.00	1305646	1.00	51
			55.00	56.00	1305647	1.00	83
56.00	66.50	BRE; CIS	56.00	57.00	1305648	1.00	119
		Breccia; Sheared	57.00	58.00	1305649	1.00	154
		Brecciated zone, appears sheared	58.00	59.00	1305651	1.00	20
		very crumbly					
56.00	59.00	96.67%					
		RQD: 96.67%; Recovered: 96.67%					
59.00	62.00	63.33%	59.00	60.00	1305652	1.00	8
		RQD: 63.33%; Recovered: 63.33%	60.00	61.00	1305653	1.00	12
			61.00	62.00	1305654	1.00	26
62.00	65.00	73.33%	62.00	63.00	1305655	1.00	60
		RQD: 73.33%; Recovered: 73.33%	63.00	64.50	1305656	1.50	10
64.20	64.50	VEI;0.3;Qz;;40°;;	64.50	65.50	1305658	1.00	107
		Vein 0.3 Quartz 40°					
65.00	68.00	70%	65.50	66.50	1305659	1.00	22
		RQD: 70%; Recovered: 70%	66.50	68.00	1305660	1.50	3
68.00	71.00	63.33%	68.00	69.00	1305661	1.00	<2
		RQD: 63.33%; Recovered: 63.33%	69.00	71.00	1305662	2.00	<2
71.00	74.00	80%	71.00	72.00	1305663	1.00	<2
		RQD: 80%; Recovered: 80%	72.00	73.00	1305664	1.00	7
73.00	74.70	BRE; CIS	73.00	74.00	1305666	1.00	27
		Breccia; Sheared					
		brecciated material, interval is quite crumbly.					
74.00	80.60	M8Cl	74.00	74.70	1305667	0.70	17
		Schist Chlorite	74.70	75.70	1305668	1.00	6
		Pale green	75.70	76.70	1305669	1.00	<2
		Fine-grained with zones of medium-grained minerals;	76.70	77.70	1305670	1.00	5
		well foliated schistose @ 30°, high in talc;					
		narrow carbonate veinlets for loose stockwork intermediately throughout interval;					
		Spotted of a dark green alteration throughout.					

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
74.00	77.00	100% RQD: 100%; Recovered: 100%					
77.00	80.00	86.67% RQD: 86.67%; Recovered: 86.67%	77.70	78.70	1305671	1.00	<2
			78.70	79.70	1305672	1.00	7
			79.70	80.60	1305673	0.90	<2
80.00	83.00	63.33% RQD: 63.33%; Recovered: 63.33%	80.60	81.60	1305674	1.00	2
			81.60	83.00	1305676	1.40	9
83.00	86.00	63.33% RQD: 63.33%; Recovered: 63.33%	83.00	84.00	1305677	1.00	18
			84.00	86.00	1305678	2.00	6
86.00	89.00	100% RQD: 100%; Recovered: 100%	86.00	87.00	1305679	1.00	4
87.00	89.40	m; ; Lm Moderate; Pervasive; Limonite Rusty brown limonite alteration throughout.	87.00	88.00	1305680	1.00	21
			88.00	89.00	1305681	1.00	11
89.00	92.00	100% RQD: 100%; Recovered: 100%	89.00	90.00	1305682	1.00	45
			90.00	91.00	1305683	1.00	<2
91.00	92.00	BRE Breccia Zones of brecciated material through interval	91.00	92.00	1305684	1.00	<2
92.00	95.00	100% RQD: 100%; Recovered: 100%	92.00	92.40	1305686	0.40	<2
92.40	96.20	M8Cl Schist Chlorite Pale green to grey Fine-grained with zones of medium-grained minerals; well foliated schistose @ 70°, well laminated; moderate pervasive hematite alteration throughout; strong pervasive carbonate alteration parallel to bedding; narrow carbonate veinlets for loose stockwork intermediately throughout interval;	92.40	93.40	1305687	1.00	<2
92.50	95.00	m; ; Hm Moderate; Pervasive; Hematite					
95.00	98.00	100% RQD: 100%; Recovered: 100%	96.70	97.70	1305688	1.00	15
			97.70	98.70	1305689	1.00	2
98.00	101.00	93.33% RQD: 93.33%; Recovered: 93.33%	98.70	99.70	1305690	1.00	<2

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
			99.70	100.70	1305691	1.00	<2
			100.70	102.00	1305693	1.30	<2
101.00	104.00	96.67% RQD: 96.67%; Recovered: 96.67%	102.00	103.00	1305694	1.00	<2
102.50	107.30	M8Cl Schist Chlorite Pale green to grey Fine-grained with zones of medium-grained minerals; poorly foliated, generally folded throughout, moderate pervasive hematite and biotite alteration throughout; inter-fingering of QFP throughout <0.3m; narrow carbonate veinlets for loose stockwork intermediately throughout interval; fine- to coarse-grained disseminated sulphide throughout.					
103.00	148.00	Py01 Pyrite 1% Fine- to coarse-grained disseminated pyrite throughout, generally more abundant through chlorite schist layers.	103.00	104.00	1305695	1.00	<2
104.00	107.00	100% RQD: 100%; Recovered: 100%	104.00	105.00	1305696	1.00	<2
			105.00	106.00	1305697	1.00	<2
			106.00	107.30	1305698	1.30	9
107.00	110.00	100% RQD: 100%; Recovered: 100%	107.30	108.30	1305699	1.00	<2
			108.30	109.30	1305701	1.00	16
108.60	109.40	s; ; Lm Strong; Pervasive; Limonite Rusty brown limonite alteration, small quartz veinlets associated with alteration.	109.30	110.50	1305702	1.20	23
110.00	113.00	90% RQD: 90%; Recovered: 90%					
110.50	114.40	M8Cl Schist Chlorite Pale green to grey Fine-grained with zones of medium-grained minerals; well foliated schistose @ 70°, well laminated; strong pervasive carbonate alteration parallel to bedding; narrow carbonate veinlets for loose stockwork intermediately throughout interval; fine- to coarse-grained disseminated sulphide throughout.	110.50	111.50	1305703	1.00	11
			111.50	112.50	1305704	1.00	43
			112.50	113.50	1305705	1.00	<2
113.00	116.00	86.67% RQD: 86.67%; Recovered: 86.67%	113.50	114.40	1305706	0.90	<2
			114.40	115.40	1305707	1.00	5
			115.40	116.40	1305708	1.00	9

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
116.00	119.00	96.67% RQD: 96.67%; Recovered: 96.67%	116.40	117.40	1305709	1.00	38
			117.40	118.40	1305711	1.00	44
			118.40	119.40	1305712	1.00	3
119.00	122.00	96.67% RQD: 96.67%; Recovered: 96.67%	119.40	120.40	1305713	1.00	4
			120.40	121.40	1305714	1.00	19
			121.40	122.40	1305715	1.00	16
122.00	125.00	100% RQD: 100%; Recovered: 100%	122.40	123.40	1305716	1.00	128
			123.40	124.40	1305717	1.00	150
			124.40	125.40	1305718	1.00	51
125.00	128.00	86.67% RQD: 86.67%; Recovered: 86.67%	125.40	126.40	1305719	1.00	6
			126.40	127.40	1305721	1.00	143
			127.40	128.20	1305722	0.80	4
128.00	131.00	86.67% RQD: 86.67%; Recovered: 86.67%					
128.20	149.00	MBCI; FOL Schist Chlorite; Foliation Pale green to grey Fine-grained with zones of medium-grained minerals; well foliated schistose @ 80°, well laminated; moderate pervasive hematite alteration throughout; strong pervasive carbonate alteration parallel to bedding; narrow carbonate veinlets for loose stockwork intermediately throughout interval; fine- to coarse-grained disseminated sulphide throughout.	128.20	129.20	1305723	1.00	5
			129.20	130.20	1305724	1.00	6
			130.20	131.20	1305725	1.00	4
131.00	134.00	100% RQD: 100%; Recovered: 100%	131.20	132.20	1305726	1.00	3
134.00	137.00	96.67% RQD: 96.67%; Recovered: 96.67%					
137.00	140.00	100% RQD: 100%; Recovered: 100%					
140.00	143.00	100% RQD: 100%; Recovered: 100%					
143.00	146.00	100% RQD: 100%; Recovered: 100%					
146.00	149.00	86.67% RQD: 86.67%; Recovered: 86.67%					

Breakaway Exploration Management inc.

149.00

End of DDH

Number of samples: 118

Number of QAQC samples: 16

Total sampled length: 124.40

Breakaway Exploration Management inc.

QAQC

From	To	Number	Reference	Length	Au (ppb)
		1305665	RR		<2
		1305605	S4		1,308
		1305622	S3		754
		1305630	RR		<2
		1305640	S4		1,249
		1305595	RR		4
		1305657	S3		661
		1305727	S3		732
		1305675	S4		1,220
		1305692	S3		663
		1305700	RR		12
		1305710	S4		1,199
		1305720	1305719		8
26.00	27.00	1305615	1305614	1.00	36
57.00	58.00	1305650	1305649	1.00	136
91.00	92.00	1305685	1305684	1.00	<2

Breakaway Exploration Management inc.

RQD

From	To	Length	Recover ed (%)	RQD (%)	Joints			Weathering	Strength	Description
					Number	Type	Angle			
4.50	5.50	1.00	80.00	80.00						
5.50	8.50	3.00	73.33	73.33						
8.50	11.50	3.00	33.33	33.33						
11.50	14.50	3.00	73.33	73.33						
14.50	17.50	3.00	90.00	90.00						
17.50	20.00	2.50	100.00	100.00						
20.00	23.00	3.00	80.00	80.00						
23.00	26.00	3.00	93.33	93.33						
26.00	29.00	3.00	100.00	100.00						
29.00	32.00	3.00	90.00	90.00						
32.00	35.00	3.00	93.33	93.33						
35.00	38.00	3.00	93.33	93.33						
38.00	41.00	3.00	96.67	96.67						
41.00	44.00	3.00	93.33	93.33						
44.00	47.00	3.00	96.67	96.67						
47.00	50.00	3.00	100.00	100.00						
50.00	53.00	3.00	90.00	90.00						
53.00	56.00	3.00	100.00	100.00						
56.00	59.00	3.00	96.67	96.67						
59.00	62.00	3.00	63.33	63.33						
62.00	65.00	3.00	73.33	73.33						
65.00	68.00	3.00	70.00	70.00						
68.00	71.00	3.00	63.33	63.33						
71.00	74.00	3.00	80.00	80.00						
74.00	77.00	3.00	100.00	100.00						
77.00	80.00	3.00	86.67	86.67						
80.00	83.00	3.00	63.33	63.33						
83.00	86.00	3.00	63.33	63.33						
86.00	89.00	3.00	100.00	100.00						
89.00	92.00	3.00	100.00	100.00						
92.00	95.00	3.00	100.00	100.00						
95.00	98.00	3.00	100.00	100.00						

Breakaway Exploration Management inc.

RQD

From	To	Length	Recover ed (%)	RQD (%)	Joints			Weathering	Strength	Description
					Number	Type	Angle			
98.00	101.00	3.00	93.33	93.33						
101.00	104.00	3.00	96.67	96.67						
104.00	107.00	3.00	100.00	100.00						
107.00	110.00	3.00	100.00	100.00						
110.00	113.00	3.00	90.00	90.00						
113.00	116.00	3.00	86.67	86.67						
116.00	119.00	3.00	96.67	96.67						
119.00	122.00	3.00	96.67	96.67						
122.00	125.00	3.00	100.00	100.00						
125.00	128.00	3.00	86.67	86.67						
128.00	131.00	3.00	86.67	86.67						
131.00	134.00	3.00	100.00	100.00						
134.00	137.00	3.00	96.67	96.67						
137.00	140.00	3.00	100.00	100.00						
140.00	143.00	3.00	100.00	100.00						
143.00	146.00	3.00	100.00	100.00						
146.00	149.00	3.00	86.67	86.67						

Breakaway Exploration Management inc.

DDH:	SU 12 07	Claims title:	YD28362	Section:	
		Township:	NTS 115010	Level:	
		Range:		Work place:	Dominion Camp
Drilled by:	Earth Tek	Lot:			
Described by:		From:	20/06/2012	Description date:	21/06/2012
		To:	22/06/2012		

Collar			
		LL_WGS84	UTM_WGS84
Azimuth:	45.00°	East	-138.8817
Dip:	50.00°	North	63.7381
Length:	152.00 m	Elevation	772.0000

Averages - Composites				
Zone	From	To	Length	Au (ppb)
Z1	39.00	42.00	3.00	317
Z2	50.00	56.00	6.00	194
Z3	72.00	73.00	1.00	717

Description	
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Core size:	NQ	Cemented: No	Stored: Yes
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Breakaway Exploration Management inc.

Down hole survey

Type	Depth	Azimuth	Dip	Invalid	Description
Reflex	50.00	48.20°	50.40°	No	
Reflex	100.00	48.00°	50.90°	No	
Reflex	152.00	335.60°	50.60°	Yes	

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
0.00	5.00	CAS Casing Casing					
5.00	142.50	QFP Quartz Feldspar Porphyry Grey matrix with pale blue to pink medium to coarse-grained porphyroblasts 35%; well-bedded @ 60 to 85°, well laminated; large zones of brecciated and sheared material; strong localized limonite alteration throughout; narrow carbonate stockwork throughout; occasional quartz veinlets < 0.1m; occasional dendritic magnesium; basalt at bottom of interval; fine- to coarse-grained disseminated sulphide intermittently throughout;	5.00	7.00	1305728	2.00	<2
			7.00	8.50	1305729	1.50	<2
5.00	8.00	3.33% RQD: 3.33%; Recovered: 43.33%					
8.00	11.00	12% RQD: 12%; Recovered: 86.67%	8.50	9.50	1305730	1.00	<2
			9.50	11.00	1305731	1.50	<2
11.00	14.00	11.5% RQD: 11.5%; Recovered: 96.67%	11.00	12.00	1305732	1.00	<2
			12.00	13.00	1305733	1.00	<2
			13.00	14.00	1305734	1.00	<2
14.00	17.00	20.33% RQD: 20.33%; Recovered: 80%	14.00	15.00	1305736	1.00	<2
			15.00	16.00	1305737	1.00	<2
			16.00	17.00	1305738	1.00	<2
17.00	20.00	27.33% RQD: 27.33%; Recovered: 90%	17.00	18.00	1305739	1.00	<2
			18.00	19.00	1305740	1.00	<2
			19.00	20.00	1305741	1.00	<2
20.00	23.00	0% RQD: 0%; Recovered: 76.67%	20.00	22.00	1305742	2.00	2
			22.00	23.00	1305743	1.00	<2
23.00	26.00	14% RQD: 14%; Recovered: 80%	23.00	24.00	1305744	1.00	<2
			24.00	25.00	1305746	1.00	<2
			25.00	26.00	1305747	1.00	<2
26.00	29.00	6.83% RQD: 6.83%; Recovered: 36.67%	26.00	28.00	1305748	2.00	<2
			28.00	30.00	1305749	2.00	15
29.00	32.00	31.17%	30.00	31.00	1305750	1.00	4

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
		RQD: 31.17%; Recovered: 80%	31.00	32.00	1305751	1.00	32
32.00	35.00	57%	32.00	33.00	1305752	1.00	<2
		RQD: 57%; Recovered: 93.33%	33.00	34.00	1305753	1.00	3
			34.00	35.00	1305754	1.00	4
35.00	38.00	32.17%	35.00	36.00	1305756	1.00	<2
		RQD: 32.17%; Recovered: 90%	36.00	37.00	1305757	1.00	16
			37.00	38.00	1305758	1.00	23
38.00	62.00	Py	38.00	39.00	1305759	1.00	40
		Pyrite	39.00	40.00	1305760	1.00	286
		Fine- to coarse-grained disseminated pyrite throughout;	40.00	41.00	1305761	1.00	469
38.00	41.00	31.33%					
		RQD: 31.33%; Recovered: 83.33%					
41.00	44.00	36%	41.00	42.00	1305763	1.00	197
		RQD: 36%; Recovered: 80%	42.00	43.00	1305764	1.00	9
			43.00	44.00	1305765	1.00	84
44.00	47.50	BRE; CIS	44.00	45.00	1305766	1.00	46
		Breccia; Sheared	45.00	46.00	1305767	1.00	26
		Brecciated, very crumbly;	46.00	47.00	1305768	1.00	3
		pebbly near bottom of interval.					
44.00	47.00	52.17%					
		RQD: 52.17%; Recovered: 76.67%					
47.00	50.00	57.17%	47.00	48.00	1305769	1.00	2
		RQD: 57.17%; Recovered: 83.33%	48.00	49.00	1305771	1.00	27
			49.00	50.00	1305772	1.00	63
50.00	53.00	41%	50.00	51.00	1305773	1.00	269
		RQD: 41%; Recovered: 86.67%	51.00	52.00	1305774	1.00	408
			52.00	53.00	1305775	1.00	38
53.00	56.00	37.17%	53.00	54.00	1305776	1.00	43
		RQD: 37.17%; Recovered: 86.67%					
54.00	55.60	s;					
		; Lm					
		Strong; Pervasive; Limonite					
		Rusty brown limonite alteration throughout.					
54.00	56.00	BRE	54.00	55.00	1305777	1.00	240
		Breccia	55.00	56.00	1305778	1.00	164
		Brecciated, with limonite alteration throughout,					

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
56.00	59.00	71.33% RQD: 71.33%; Recovered: 96.67%	56.00	57.00	1305779	1.00	<2
			57.00	58.00	1305781	1.00	<2
57.90	58.40	s; ; Lm Strong; Pervasive; Limonite Strong limonite alteration, abundant pyrite through interval.	58.00	59.00	1305782	1.00	18
59.00	62.00	48% RQD: 48%; Recovered: 90%	59.00	60.00	1305783	1.00	36
			60.00	61.00	1305784	1.00	12
			61.00	62.00	1305785	1.00	32
62.00	92.00	Gl; Py Galena; Pyrite Fine-grained disseminated galena throughout; Fine- to medium-grained disseminated pyrite at bottom of interval.	62.00	63.00	1305786	1.00	25
			63.00	64.00	1305787	1.00	<2
			64.00	65.00	1305788	1.00	<2
62.00	65.00	32.17% RQD: 32.17%; Recovered: 80%					
65.00	68.00	76.67% RQD: 76.67%; Recovered: 76.67%	65.00	66.00	1305789	1.00	<2
			66.00	67.00	1305791	1.00	26
			67.00	68.00	1305792	1.00	3
68.00	71.00	76.67% RQD: 76.67%; Recovered: 76.67%	68.00	69.00	1305793	1.00	<2
			69.00	70.00	1305794	1.00	6
			70.00	71.00	1305795	1.00	8
71.00	74.00	96.67% RQD: 96.67%; Recovered: 96.67%	71.00	72.00	1305796	1.00	23
			72.00	73.00	1305798	1.00	717
73.00	75.00	BRE Breccia Small intervals within interval of brecciated material.	73.00	74.00	1305799	1.00	152
74.00	77.00	100% RQD: 100%; Recovered: 100%	74.00	75.00	1305800	1.00	38
			75.00	76.00	1305801	1.00	62
			76.00	77.00	1305802	1.00	44
77.00	80.00	100% RQD: 100%; Recovered: 100%	77.00	78.00	1305803	1.00	15
			78.00	79.00	1305804	1.00	<2
			79.00	80.00	1305806	1.00	19
80.00	83.00	100% RQD: 100%; Recovered: 100%	80.00	81.00	1305807	1.00	31
			81.00	82.00	1305808	1.00	11
			82.00	83.00	1305809	1.00	4

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
83.00	86.00	100%	83.00	84.00	1305810	1.00	29
		RQD: 100%; Recovered: 100%	84.00	85.00	1305811	1.00	5
			85.00	86.00	1305812	1.00	<2
86.00	89.00	100%	86.00	87.00	1305813	1.00	<2
		RQD: 100%; Recovered: 100%	87.00	88.00	1305814	1.00	57
			88.00	89.00	1305816	1.00	63
89.00	92.00	93.33%	89.00	90.00	1305817	1.00	3
		RQD: 93.33%; Recovered: 93.33%	90.00	91.00	1305818	1.00	27
			91.00	92.00	1305819	1.00	13
92.00	114.00	Py01	92.00	93.00	1305820	1.00	2
		Pyrite 1%	93.00	94.00	1305821	1.00	6
		Fine-grained disseminated pyrite.	94.00	95.00	1305822	1.00	<2
92.00	95.00	100%					
		RQD: 100%; Recovered: 100%					
95.00	98.00	63.33%	95.00	96.00	1305823	1.00	3
		RQD: 63.33%; Recovered: 63.33%					
96.00	106.00	s;					
		; Sil					
96.00	106.00	Strong; Pervasive; Silica					
		Silicification through interval					
96.00	106.00	BRE; CIS	96.00	98.00	1305824	2.00	6
		Breccia; Sheared					
98.00	101.00	Interval is mostly brecciated;					
		crumbly and clayey portions through interval;					
98.00	101.00	silicification alteration through interval.	98.00	99.00	1305826	1.00	16
		RQD: 96.67%; Recovered: 96.67%	99.00	100.00	1305827	1.00	37
101.00	104.00	96.67%	100.00	101.00	1305828	1.00	23
		RQD: 96.67%; Recovered: 96.67%	101.00	102.00	1305829	1.00	<2
104.00	107.00	96.67%	102.00	103.00	1305830	1.00	<2
		RQD: 96.67%; Recovered: 96.67%	103.00	104.00	1305831	1.00	4
104.00	107.00	96.67%	104.00	105.00	1305833	1.00	55
		RQD: 96.67%; Recovered: 96.67%	105.00	106.00	1305834	1.00	53
107.00	110.00	96.67%	106.00	107.00	1305835	1.00	25
		RQD: 96.67%; Recovered: 96.67%	107.00	108.00	1305836	1.00	15

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
		RQD: 100%; Recovered: 100%	108.00	109.00	1305837	1.00	34
			109.00	110.00	1305838	1.00	158
110.00	113.00	86.67%	110.00	111.00	1305839	1.00	118
		RQD: 86.67%; Recovered: 86.67%					
111.00	112.00	s;	111.00	112.00	1305841	1.00	81
		; Sil					
		Strong; Pervasive; Silica					
		Strong silicification					
112.00	115.80	BRE	112.00	113.00	1305842	1.00	42
		Breccia					
		Generally brecciated through interval;					
		portions are quite pebbly.					
112.90	115.60	s;					
		; Lm					
		Strong; Pervasive; Limonite					
		strong limonite alteration,					
113.00	116.00	86.67%	113.00	114.00	1305843	1.00	94
		RQD: 86.67%; Recovered: 86.67%					
			114.00	115.00	1305844	1.00	<2
			115.00	116.00	1305845	1.00	<2
116.00	119.00	100%	116.00	117.00	1305846	1.00	3
		RQD: 100%; Recovered: 100%	117.00	118.00	1305847	1.00	<2
118.00	121.00	GI	118.00	119.00	1305848	1.00	<2
		Galena					
		fine- grained disseminated galena throughout.					
119.00	122.00	100%	119.00	120.00	1305849	1.00	<2
		RQD: 100%; Recovered: 100%	120.00	121.00	1305851	1.00	3
121.00	138.20	Py01	121.00	122.00	1305852	1.00	<2
		Pyrite 1%					
		Fine- to coarse-grained disseminated pyrite;					
122.00	125.00	83.33%	122.00	123.00	1305853	1.00	<2
		RQD: 83.33%; Recovered: 83.33%	123.00	124.00	1305854	1.00	<2
			124.00	125.00	1305855	1.00	<2
125.00	128.00	100%	125.00	126.00	1305856	1.00	<2
		RQD: 100%; Recovered: 100%	126.00	127.00	1305857	1.00	<2
			127.00	128.00	1305858	1.00	<2

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
128.00	131.00	90% RQD: 90%; Recovered: 90%	128.00	129.00	1305859	1.00	<2
			129.00	130.00	1305861	1.00	<2
			130.00	131.00	1305862	1.00	<2
131.00	134.00	100% RQD: 100%; Recovered: 100%	131.00	132.00	1305863	1.00	<2
			132.00	133.00	1305864	1.00	2
			133.00	134.00	1305865	1.00	<2
134.00	137.00	100% RQD: 100%; Recovered: 100%	134.00	135.00	1305866	1.00	<2
			135.00	136.00	1305868	1.00	<2
			136.00	137.00	1305869	1.00	<2
137.00	140.00	100% RQD: 100%; Recovered: 100%	137.00	138.20	1305870	1.20	<2
138.20	139.50	V3B Basalt Black, speckled with white minerals; Very fine-grained, massive; occasional red and dark green xenoliths; narrow carbonate veinlets for loose stocwork. chilled margins at contacts.	138.20	138.80	1305871	0.60	2
			138.80	139.50	1305872	0.70	<2
139.50	152.00	Py02 Pyrite 2% Fine- to coarse grained disseminated pyrite; occasional lenses of pyrite mineralization associated with carbonate veinlets	139.50	140.50	1305873	1.00	<2
140.00	143.00	80% RQD: 80%; Recovered: 80%	140.50	142.50	1305874	2.00	30
142.50	152.00	M8 Schist Black to grey; fine-grained; well foliated schistose @ 75°, well laminated; occasional green chlorite lenses; Quartz veins up to 0.08m wide; strong pervasive carbonate alteration throughout, fine- to coarse-grained dissminated pyrite throughout.	142.50	143.50	1305876	1.00	<2
142.50	143.40	CIS Sheared Crumbly and clayey through interval.					
143.00	146.00	86.67% RQD: 86.67%; Recovered: 86.67%	143.50	144.50	1305877	1.00	<2
			144.50	146.00	1305878	1.50	<2

Breakaway Exploration Management inc.

Description			Assay				
			From	To	Number	Length	Au (ppb)
146.00	149.00	96.67%	146.00	147.00	1305879	1.00	<2
		RQD: 96.67%; Recovered: 96.67%	147.00	148.00	1305880	1.00	<2
			148.00	149.00	1305881	1.00	<2
149.00	152.00	100%	149.00	150.00	1305882	1.00	<2
		RQD: 100%; Recovered: 100%					
149.60	149.70	VEI;0.8;Qz;;0°;;	150.00	151.00	1305883	1.00	<2
		Vein 0.8 Quartz 0°	151.00	152.00	1305884	1.00	<2

Breakaway Exploration Management inc.

QAQC

From	To	Number	Reference	Length	Au (ppb)
		1305815	S4		1,313
		1305745	S4		1,201
		1305762	S3		668
		1305770	RR		<2
		1305780	S4		1,213
		1305735	RR		<2
		1305805	RR		<2
		1305885	S4		1,214
		1305832	S3		704
		1305840	RR		<2
		1305850	S4		1,276
		1305867	S3		651
		1305875	RR		<2
		1305797	S3		114
34.00	35.00	1305755	1305754	1.00	3
65.00	66.00	1305790	1305789	1.00	<2
96.00	98.00	1305825	1305824	2.00	7
128.00	129.00	1305860	1305859	1.00	2

Breakaway Exploration Management inc.

RQD

From	To	Length	Recovery (%)	RQD (%)	Joints			Weathering	Strength	Description
					Number	Type	Angle			
5.00	8.00	3.00	43.33	3.33						
8.00	11.00	3.00	86.67	12.00						
11.00	14.00	3.00	96.67	11.50						
14.00	17.00	3.00	80.00	20.33						
17.00	20.00	3.00	90.00	27.33						
20.00	23.00	3.00	76.67	0.00						
23.00	26.00	3.00	80.00	14.00						
26.00	29.00	3.00	36.67	6.83						
29.00	32.00	3.00	80.00	31.17						
32.00	35.00	3.00	93.33	57.00						
35.00	38.00	3.00	90.00	32.17						
38.00	41.00	3.00	83.33	31.33						
41.00	44.00	3.00	80.00	36.00						
44.00	47.00	3.00	76.67	52.17						
47.00	50.00	3.00	83.33	57.17						
50.00	53.00	3.00	86.67	41.00						
53.00	56.00	3.00	86.67	37.17						
56.00	59.00	3.00	96.67	71.33						
59.00	62.00	3.00	90.00	48.00						
62.00	65.00	3.00	80.00	32.17						
65.00	68.00	3.00	76.67	76.67						
68.00	71.00	3.00	76.67	76.67						
71.00	74.00	3.00	96.67	96.67						
74.00	77.00	3.00	100.00	100.00						
77.00	80.00	3.00	100.00	100.00						
80.00	83.00	3.00	100.00	100.00						
83.00	86.00	3.00	100.00	100.00						
86.00	89.00	3.00	100.00	100.00						
89.00	92.00	3.00	93.33	93.33						
92.00	95.00	3.00	100.00	100.00						
95.00	98.00	3.00	63.33	63.33						
98.00	101.00	3.00	96.67	96.67						

Breakaway Exploration Management inc.

RQD

From	To	Length	Recover ed (%)	RQD (%)	Joints			Weathering	Strength	Description
					Number	Type	Angle			
101.00	104.00	3.00	96.67	96.67						
104.00	107.00	3.00	96.67	96.67						
107.00	110.00	3.00	100.00	100.00						
110.00	113.00	3.00	86.67	86.67						
113.00	116.00	3.00	86.67	86.67						
116.00	119.00	3.00	100.00	100.00						
119.00	122.00	3.00	100.00	100.00						
122.00	125.00	3.00	83.33	83.33						
125.00	128.00	3.00	100.00	100.00						
128.00	131.00	3.00	90.00	90.00						
131.00	134.00	3.00	100.00	100.00						
134.00	137.00	3.00	100.00	100.00						
137.00	140.00	3.00	100.00	100.00						
140.00	143.00	3.00	80.00	80.00						
143.00	146.00	3.00	86.67	86.67						
146.00	149.00	3.00	96.67	96.67						
149.00	152.00	3.00	100.00	100.00						

Appendix C – Assay Certificates



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

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: June 13, 2012
Report Date: June 19, 2012
Page: 1 of 6

CERTIFICATE OF ANALYSIS

WHI12000089.1

CLIENT JOB INFORMATION

Project: SULPHUR
Shipment ID: 201206110805
P.O. Number
Number of Samples: 125

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	118	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B01	125	Fire assay fusion Au by ICP-ES	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
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.



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

Project: SULPHUR
Report Date: June 19, 2012

Page: 2 of 6

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000089.1

	Method	WGHT	3B
	Analyte	Wgt	Au
	Unit	kg	ppb
	MDL	0.01	2
527451	Drill Core	1.52	4
527452	Drill Core	0.80	5
527453	Drill Core	0.65	20
527454	Drill Core	1.35	8
527455	Drill Core	2.00	11
527456	Drill Core	1.72	43
527457	Drill Core	1.65	9
527458	Rock Pulp	0.07	717
527459	Drill Core	1.29	32
527460	Drill Core	0.85	80
527461	Drill Core	1.33	47
527462	Drill Core	2.75	18
527463	Drill Core	1.40	6
527464	Drill Core	0.74	<2
527465	Drill Core	1.12	5
527466	Drill Core	1.13	10
527467	Drill Core	1.61	<2
527468	Drill Core	1.87	<2
527469	Rock	0.96	<2
527470	Drill Core	2.14	61
527471	Drill Core	1.20	108
527472	Drill Core	1.69	86
527473	Drill Core	1.05	120
527474	Drill Core	1.10	57
527475	Rock Pulp	0.08	1338
527476	Drill Core	0.85	45
527477	Drill Core	0.94	3
527478	Drill Core	1.64	51
527479	Drill Core	1.94	21
527480	Drill Core	2.13	4



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

Project: SULPHUR
Report Date: June 19, 2012

Page: 3 of 6

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000089.1

Method	WGHT	3B
Analyte	Wgt	Au
Unit	kg	ppb
MDL	0.01	2
527481	Drill Core	2.14 12
527482	Drill Core	1.77 20
527483	Drill Core	1.78 9
527484	Drill Core	1.18 8
527485	Drill Core	1.60 <2
527486	Drill Core	2.27 2
527487	Drill Core	2.05 <2
527488	Drill Core	1.90 <2
527489	Drill Core	2.02 <2
527490	Drill Core	3.31 <2
527491	Drill Core	2.20 224
527492	Rock Pulp	0.08 737
527493	Drill Core	1.96 390
527494	Drill Core	1.39 42
527495	Drill Core	0.93 18
527496	Drill Core	0.68 7
527497	Drill Core	2.39 4
527498	Drill Core	2.44 3
527499	Drill Core	2.19 4
527500	Rock	0.99 <2
527501	Drill Core	2.33 4
527502	Drill Core	2.46 <2
527503	Drill Core	1.09 <2
527504	Drill Core	1.27 7
527505	Drill Core	1.56 <2
527506	Drill Core	1.55 26
527507	Drill Core	1.88 23
527508	Drill Core	1.02 22
527509	Drill Core	2.26 9
527510	Rock Pulp	0.07 1277



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Project: SULPHUR
Report Date: June 19, 2012

Page: 4 of 6

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000089.1

Method	WGHT	3B
Analyte	Wgt	Au
Unit	kg	ppb
MDL	0.01	2
527511	Drill Core	87
527512	Drill Core	156
527513	Drill Core	14
527514	Drill Core	10
527515	Drill Core	4
527516	Drill Core	7
527517	Drill Core	18
527518	Drill Core	22
527519	Drill Core	34
527520	Drill Core	54
527521	Drill Core	4
527522	Drill Core	<2
527523	Drill Core	43
527524	Drill Core	54
527525	Drill Core	28
527526	Drill Core	255
527527	Rock Pulp	703
527528	Drill Core	98
527529	Drill Core	74
527530	Drill Core	21
527531	Drill Core	<2
527532	Drill Core	<2
527533	Drill Core	<2
527534	Drill Core	<2
527535	Rock	<2
527536	Drill Core	<2
527537	Drill Core	<2
527538	Drill Core	<2
527539	Drill Core	3
527540	Drill Core	<2



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Project: SULPHUR
Report Date: June 19, 2012

Page: 5 of 6

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000089.1

	Method	WGHT	3B
	Analyte	Wgt	Au
	Unit	kg	ppb
	MDL	0.01	2
527541	Drill Core	1.85	2
527542	Drill Core	2.51	2
527543	Drill Core	2.49	<2
527544	Drill Core	2.90	<2
527545	Rock Pulp	0.07	1093
527546	Drill Core	1.85	4
527547	Drill Core	2.07	<2
527548	Drill Core	2.16	5
527549	Drill Core	2.17	<2
527550	Drill Core	2.39	2
527551	Drill Core	1.76	11
527552	Drill Core	1.89	6
527553	Drill Core	1.67	6
527554	Drill Core	1.38	8
527555	Drill Core	1.20	8
527556	Drill Core	2.04	4
527557	Drill Core	1.77	<2
527558	Drill Core	2.34	<2
527559	Drill Core	1.83	5
527560	Drill Core	2.29	44
527561	Drill Core	2.76	8
527562	Rock Pulp	0.08	737
527563	Drill Core	2.10	5
527564	Drill Core	2.59	59
527565	Drill Core	2.14	66
527566	Drill Core	2.73	<2
527567	Drill Core	2.06	<2
527568	Drill Core	2.05	<2
527569	Drill Core	1.71	<2
527570	Rock	0.99	<2



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Project: SULPHUR
Report Date: June 19, 2012

Page: 6 of 6

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000089.1

	Method	WGHT	3B
	Analyte	Wgt	Au
	Unit	kg	ppb
	MDL	0.01	2
527571	Drill Core	1.93	2
527572	Drill Core	1.45	<2
527573	Drill Core	2.43	3
527574	Drill Core	2.41	<2
527575	Drill Core	1.55	2



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Project:

SULPHUR

Report Date:

June 19, 2012

Page:

1 of 2

Part:

1 of 1

QUALITY CONTROL REPORT

WHI12000089.1

	Method	WGHT	3B
Analyte		Wgt	Au
Unit		kg	ppb
MDL		0.01	2
Pulp Duplicates			
527470	Drill Core	2.14	61
REP 527470	QC		63
REP 527504	QC		7
REP 527539	QC		3
527573	Drill Core	2.43	3
REP 527573	QC		<2
Core Reject Duplicates			
527469	Rock	0.96	<2
DUP 527469	QC		<2
527504	Drill Core	1.27	7
DUP 527504	QC		7
527539	Drill Core	2.01	3
DUP 527539	QC		2
527574	Drill Core	2.41	<2
DUP 527574	QC		<2
Reference Materials			
STD OXC88	Standard		205
STD OXC88	Standard		196
STD OXC88	Standard		200
STD OXC88	Standard		205
STD OXC88	Standard		203
STD OXG99	Standard		950
STD OXG99	Standard		926
STD OXG99	Standard		939
STD OXG99	Standard		928
STD OXG99	Standard		961
STD OXC88 Expected			203
STD OXG99 Expected			932



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Project: SULPHUR
Report Date: June 19, 2012

Page: 2 of 2

Part: 1 of 1

QUALITY CONTROL REPORT

WHI12000089.1

		WGHT	3B
		Wgt	Au
		kg	ppb
		0.01	2
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
Prep Wash			
G1-WHI	Prep Blank		<2
G1-WHI	Prep Blank		<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: June 18, 2012

Report Date: June 29, 2012

Page: 1 of 6

CERTIFICATE OF ANALYSIS

WHI12000104.1

CLIENT JOB INFORMATION

Project: SULPHUR
Shipment ID: 201206140937
P.O. Number
Number of Samples: 140

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	132	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B01	140	Fire assay fusion Au by ICP-ES	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
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.



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680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5 Canada

Project: SULPHUR
Report Date: June 29, 2012

Page: 2 of 6

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000104.1

	Method	WGHT	3B
	Analyte	Wgt	Au
	Unit	kg	ppb
	MDL	0.01	2
527591	Drill Core	1.41	<2
527592	Drill Core	1.39	<2
527593	Drill Core	2.13	3
527594	Drill Core	1.09	6
527595	Drill Core	1.24	3
527596	Drill Core	1.45	<2
527597	Rock Pulp	0.07	637
527598	Drill Core	1.57	11
527599	Drill Core	1.73	<2
527600	Drill Core	1.32	<2
527601	Drill Core	1.87	<2
527602	Drill Core	1.89	20
527603	Drill Core	2.26	<2
527604	Drill Core	1.68	<2
527605	Rock	0.91	<2
527606	Drill Core	1.50	32
527607	Drill Core	1.32	12
527608	Drill Core	1.72	14
527609	Drill Core	1.37	<2
527610	Drill Core	1.43	<2
527611	Drill Core	0.99	<2
527612	Drill Core	1.19	<2
527613	Drill Core	1.15	<2
527614	Drill Core	1.67	103
527615	Rock Pulp	0.07	1259
527616	Drill Core	1.58	18
527617	Drill Core	1.84	30
527618	Drill Core	1.45	6
527619	Drill Core	2.18	3
527620	Drill Core	1.98	<2



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Client: **Taku Gold Corp**
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Project: SULPHUR
Report Date: June 29, 2012

Page: 3 of 6

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000104.1

Method	WGHT	3B
Analyte	Wgt	Au
Unit	kg	ppb
MDL	0.01	2
527621	Drill Core	2.84 <2
527622	Drill Core	2.00 <2
527623	Drill Core	1.22 5
527624	Drill Core	0.98 11
527625	Drill Core	0.84 7
527626	Drill Core	1.70 9
527627	Drill Core	0.75 203
527628	Drill Core	2.15 5
527629	Drill Core	1.50 10
527630	Drill Core	1.12 7
527631	Drill Core	2.16 2
527632	Rock Pulp	0.07 692
527633	Drill Core	2.03 10
527634	Drill Core	2.23 7
527635	Drill Core	1.46 12
527636	Drill Core	1.29 3
527637	Drill Core	1.36 68
527638	Drill Core	2.46 10
527639	Drill Core	2.74 171
527640	Rock	0.89 3
527641	Drill Core	2.39 113
527642	Drill Core	1.68 31
527643	Drill Core	1.35 15
527644	Drill Core	1.39 269
527645	Drill Core	2.16 66
527646	Drill Core	1.62 24
527647	Drill Core	1.77 10
527648	Drill Core	1.37 4
527649	Drill Core	2.23 3
527650	Rock Pulp	0.07 1223



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680 3rd Ave, Suite 203
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Project: SULPHUR
Report Date: June 29, 2012

Page: 4 of 6

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000104.1

Method	WGHT	3B
Analyte	Wgt	Au
Unit	kg	ppb
MDL	0.01	2
527651	Drill Core	2.27 7
527652	Drill Core	2.25 2
527653	Drill Core	2.23 12
527654	Drill Core	2.22 3
527655	Drill Core	2.26 3
527656	Drill Core	1.63 13
527657	Drill Core	0.99 9
527658	Drill Core	1.25 4
527659	Drill Core	0.58 5
527660	Drill Core	0.74 3
527661	Drill Core	1.78 5
527662	Drill Core	1.50 10
527663	Drill Core	1.31 <2
527664	Drill Core	1.59 8
527665	Drill Core	1.34 <2
527666	Drill Core	1.69 11
527667	Rock Pulp	0.07 698
527668	Drill Core	1.56 14
527669	Drill Core	2.21 3
527670	Drill Core	2.25 7
527671	Drill Core	2.07 3
527672	Drill Core	1.62 2
527673	Drill Core	1.82 136
527674	Drill Core	0.81 6
527675	Rock	0.86 <2
527676	Drill Core	1.77 44
527677	Drill Core	1.82 39
527678	Drill Core	2.34 312
527679	Drill Core	2.66 4
527680	Drill Core	1.97 12



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Page: 5 of 6

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000104.1

	Method	WGHT	3B
	Analyte	Wgt	Au
	Unit	kg	ppb
	MDL	0.01	2
527681	Drill Core	2.28	<2
527682	Drill Core	2.51	<2
527683	Drill Core	2.07	10
527684	Drill Core	2.05	2
527685	Rock Pulp	0.07	1279
527686	Drill Core	2.57	7
527687	Drill Core	1.98	6
527688	Drill Core	2.16	10
527689	Drill Core	2.03	8
527690	Drill Core	0.74	<2
527691	Drill Core	2.82	3
527692	Drill Core	1.82	<2
527693	Drill Core	2.41	<2
527694	Drill Core	1.46	<2
527695	Drill Core	1.30	<2
527696	Drill Core	2.81	<2
527697	Drill Core	2.29	<2
527698	Drill Core	2.25	<2
527699	Drill Core	2.27	<2
527700	Drill Core	2.65	<2
527701	Drill Core	2.29	13
527702	Rock Pulp	0.07	710
527703	Drill Core	1.56	12
527704	Drill Core	1.46	6
527705	Drill Core	1.62	2
527706	Drill Core	1.88	<2
527707	Drill Core	1.69	<2
527708	Drill Core	3.33	94
527709	Drill Core	1.55	22
527710	Rock	0.99	<2



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Project: SULPHUR
Report Date: June 29, 2012

Page: 6 of 6

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000104.1

Method	WGHT	3B
Analyte	Wgt	Au
Unit	kg	ppb
MDL	0.01	2
527711	Drill Core	19
527712	Drill Core	9
527713	Drill Core	37
527714	Drill Core	47
527715	Drill Core	23
527716	Drill Core	6
527717	Drill Core	4
527718	Drill Core	3
527719	Drill Core	5
527720	Rock Pulp	1296
527721	Drill Core	7
527722	Drill Core	7
527723	Drill Core	6
527724	Drill Core	6
527725	Drill Core	<2
527726	Drill Core	4
527727	Drill Core	<2
527728	Drill Core	18
527729	Drill Core	13
527730	Drill Core	13



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Project:

SULPHUR

Report Date:

June 29, 2012

Page:

1 of 2

Part:

1 of 1

QUALITY CONTROL REPORT

WHI12000104.1

	Method	WGHT	3B
Analyte		Wgt	Au
Unit		kg	ppb
MDL		0.01	2
Pulp Duplicates			
527596	Drill Core	1.45	<2
REP 527596	QC		4
527630	Drill Core	1.12	7
REP 527630	QC		7
527659	Drill Core	0.58	5
REP 527659	QC		4
527693	Drill Core	2.41	<2
REP 527693	QC		<2
527727	Drill Core	1.50	<2
REP 527727	QC		3
Core Reject Duplicates			
527614	Drill Core	1.67	103
DUP 527614	QC		100
527649	Drill Core	2.23	3
DUP 527649	QC		2
527684	Drill Core	2.05	2
DUP 527684	QC		2
527719	Drill Core	1.49	5
DUP 527719	QC		5
Reference Materials			
STD OXC88	Standard		205
STD OXC88	Standard		202
STD OXC88	Standard		206
STD OXC88	Standard		208
STD OXC88	Standard		211
STD OXC88	Standard		206
STD OXC88	Standard		185
STD OXG99	Standard		964



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Project: SULPHUR
Report Date: June 29, 2012

Page: 2 of 2

Part: 1 of 1

QUALITY CONTROL REPORT

WHI12000104.1

		WGHT Wgt kg 0.01	3B Au ppb 2
STD OXG99	Standard		953
STD OXG99	Standard		988
STD OXG99	Standard		966
STD OXG99	Standard		963
STD OXG99	Standard		973
STD OXG99	Standard		925
STD OXC88 Expected			203
STD OXG99 Expected			932
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		10
BLK	Blank		<2
BLK	Blank		3
BLK	Blank		3
BLK	Blank		<2
BLK	Blank		2
BLK	Blank		190
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
Prep Wash			
G1-WHI	Prep Blank		<2
G1-WHI	Prep Blank		<2



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Client: **Taku Gold Corp**
680 3rd Ave, Suite 203
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Submitted By: Mark Fekete
Receiving Lab: Canada-Whitehorse
Received: June 19, 2012
Report Date: June 26, 2012
Page: 1 of 6

CERTIFICATE OF ANALYSIS

WHI12000122.1

CLIENT JOB INFORMATION

Project: SULPHUR
Shipment ID: 201206151010
P.O. Number
Number of Samples: 140

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	132	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B01	140	Fire assay fusion Au by ICP-ES	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
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.



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Project: SULPHUR
Report Date: June 26, 2012

Page: 2 of 6

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000122.1

	Method	WGHT	3B
	Analyte	Wgt	Au
	Unit	kg	ppb
	MDL	0.01	2
527731	Drill Core	1.97	14
527732	Drill Core	1.99	69
527733	Drill Core	1.44	37
527734	Drill Core	1.42	32
527735	Drill Core	1.48	15
527736	Drill Core	1.80	8
527737	Rock Pulp	0.07	738
527738	Drill Core	2.50	3
527739	Drill Core	1.98	7
527740	Drill Core	2.21	5
527741	Drill Core	2.44	5
527742	Drill Core	1.78	14
527743	Drill Core	2.10	4
527744	Drill Core	1.67	4
527745	Rock	0.96	<2
527746	Drill Core	1.45	<2
527747	Drill Core	2.17	4
527748	Drill Core	1.53	24
527749	Drill Core	2.20	4
527750	Drill Core	2.63	<2
527751	Drill Core	1.39	2
527752	Drill Core	2.19	5
527753	Drill Core	2.10	4
527754	Drill Core	2.33	11
527755	Rock Pulp	0.07	1258
527756	Drill Core	1.96	8
527757	Drill Core	1.71	3
527758	Drill Core	2.95	9
527759	Drill Core	2.63	17
527760	Drill Core	2.24	5



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Project: SULPHUR
Report Date: June 26, 2012

Page: 3 of 6

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000122.1

	Method	WGHT	3B
	Analyte	Wgt	Au
	Unit	kg	ppb
	MDL	0.01	2
527761	Drill Core	2.36	9
527762	Drill Core	1.10	25
527763	Drill Core	2.07	12
527764	Drill Core	0.84	10
527765	Drill Core	1.11	9
527766	Drill Core	1.47	2
527767	Drill Core	3.44	<2
527768	Drill Core	1.49	3
527769	Drill Core	2.35	<2
527770	Drill Core	1.52	2
527771	Drill Core	2.28	3
527772	Rock Pulp	0.08	720
527773	Drill Core	2.17	8
527774	Drill Core	1.28	4
527775	Drill Core	1.91	3
527776	Drill Core	1.59	<2
527777	Drill Core	2.76	<2
527778	Drill Core	2.54	<2
527779	Drill Core	2.09	<2
527780	Rock	0.92	<2
527781	Drill Core	1.02	<2
527782	Drill Core	1.97	2
527783	Drill Core	2.33	3
527784	Drill Core	1.23	3
527785	Drill Core	1.51	<2
527786	Drill Core	2.00	<2
527787	Drill Core	1.24	<2
527788	Drill Core	2.28	3
527789	Drill Core	2.53	2
527790	Rock Pulp	0.07	1365



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Project: SULPHUR
Report Date: June 26, 2012

Page: 4 of 6

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000122.1

Method	WGHT	3B
Analyte	Wgt	Au
Unit	kg	ppb
MDL	0.01	2
527791	Drill Core	1.43 6
527792	Drill Core	1.26 52
527793	Drill Core	1.71 4
527794	Drill Core	1.83 156
527795	Drill Core	1.34 17
527796	Drill Core	2.42 <2
527797	Drill Core	1.78 12
527798	Drill Core	1.65 3
527799	Drill Core	0.95 3
527800	Drill Core	0.83 5
527801	Drill Core	1.70 6
527802	Drill Core	1.41 2
527803	Drill Core	2.18 <2
527804	Drill Core	1.98 <2
527805	Drill Core	1.64 3
527806	Drill Core	1.57 3
527807	Rock Pulp	0.07 723
527808	Drill Core	2.13 3
527809	Drill Core	1.98 <2
527810	Drill Core	2.59 <2
527811	Drill Core	2.40 <2
527812	Drill Core	0.98 2
527813	Drill Core	1.59 <2
527814	Drill Core	1.90 <2
527815	Rock	0.92 <2
527816	Drill Core	3.34 <2
527817	Drill Core	2.96 <2
527818	Drill Core	2.47 3
527819	Drill Core	2.22 15
527820	Drill Core	2.82 13



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Report Date: June 26, 2012

Page: 5 of 6

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000122.1

	Method	WGHT	3B
	Analyte	Wgt	Au
	Unit	kg	ppb
	MDL	0.01	2
527821	Drill Core	1.75	13
527822	Drill Core	2.23	51
527823	Drill Core	2.05	25
527824	Drill Core	2.12	3
527825	Rock Pulp	0.07	1303
527826	Drill Core	2.15	3
527827	Drill Core	2.25	<2
527828	Drill Core	2.53	6
527829	Drill Core	2.13	199
527830	Drill Core	1.54	12
527831	Drill Core	2.45	2
527832	Drill Core	2.52	4
527833	Drill Core	2.10	2
527834	Drill Core	1.24	9
527835	Drill Core	1.06	8
527836	Drill Core	1.82	4
527837	Drill Core	2.05	2
527838	Drill Core	1.38	<2
527839	Drill Core	1.55	23
527840	Drill Core	1.92	2
527841	Drill Core	1.40	<2
527842	Rock Pulp	0.08	682
527843	Drill Core	1.62	20
527844	Drill Core	2.09	3
527845	Drill Core	2.00	<2
527846	Drill Core	1.35	<2
527847	Drill Core	0.88	3
527848	Drill Core	0.88	<2
527849	Drill Core	1.31	<2
527850	Rock	0.80	<2



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Project: SULPHUR
Report Date: June 26, 2012

Page: 6 of 6

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000122.1

	Method	WGHT	3B
	Analyte	Wgt	Au
	Unit	kg	ppb
	MDL	0.01	2
527851	Drill Core	1.66	<2
527852	Drill Core	1.33	2
527853	Drill Core	1.84	<2
527854	Drill Core	1.47	12
527855	Drill Core	1.43	11
527856	Drill Core	1.81	38
527857	Drill Core	1.92	16
527858	Drill Core	2.43	37
527859	Drill Core	1.27	24
527860	Rock Pulp	0.07	1227
527861	Drill Core	1.41	22
527862	Drill Core	2.07	10
527863	Drill Core	2.24	7
527864	Drill Core	1.76	12
527865	Drill Core	1.88	8
527866	Drill Core	1.51	35
527867	Drill Core	2.25	5
527868	Drill Core	2.10	<2
527869	Drill Core	1.08	<2
527870	Drill Core	1.03	4



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Project: SULPHUR
Report Date: June 26, 2012

Page: 1 of 2

Part: 1 of 1

QUALITY CONTROL REPORT

WHI12000122.1

	Method	WGHT	3B
Analyte		Wgt	Au
Unit		kg	ppb
MDL		0.01	2
Pulp Duplicates			
REP G1-WHI	QC		<2
527774	Drill Core	1.28	4
REP 527774	QC		3
527822	Drill Core	2.23	51
REP 527822	QC		52
527834	Drill Core	1.24	9
REP 527834	QC		9
527868	Drill Core	2.10	<2
REP 527868	QC		<2
Core Reject Duplicates			
527733	Drill Core	1.44	37
DUP 527733	QC		36
527768	Drill Core	1.49	3
DUP 527768	QC		<2
527803	Drill Core	2.18	<2
DUP 527803	QC		<2
527838	Drill Core	1.38	<2
DUP 527838	QC		<2
Reference Materials			
STD OXC88	Standard		195
STD OXC88	Standard		210
STD OXC88	Standard		206
STD OXC88	Standard		200
STD OXC88	Standard		198
STD OXC88	Standard		210
STD OXG99	Standard		899
STD OXG99	Standard		941
STD OXG99	Standard		1000



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Project: SULPHUR
Report Date: June 26, 2012

Page: 2 of 2

Part: 1 of 1

QUALITY CONTROL REPORT

WHI12000122.1

		WGHT	3B
		Wgt	Au
		kg	ppb
		0.01	2
STD OXG99	Standard		914
STD OXG99	Standard		974
STD OXG99	Standard		948
STD OXC88 Expected			203
STD OXG99 Expected			932
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		2
BLK	Blank		2
BLK	Blank		<2
BLK	Blank		4
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		3
BLK	Blank		<2
BLK	Blank		<2
Prep Wash			
G1-WHI	Prep Blank		3
G1-WHI	Prep Blank		
G1-WHI	Prep Blank		8



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680 3rd Ave, Suite 203
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Submitted By: Mark Fekete
Receiving Lab: Canada-Whitehorse
Received: June 20, 2012
Report Date: June 26, 2012
Page: 1 of 6

CERTIFICATE OF ANALYSIS

WHI12000123.1

CLIENT JOB INFORMATION

Project: SULPHUR
Shipment ID: 201206160642
P.O. Number
Number of Samples: 140

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	132	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B01	140	Fire assay fusion Au by ICP-ES	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
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.



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Project: SULPHUR
Report Date: June 26, 2012

Page: 2 of 6

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000123.1

	Method	WGHT	3B
	Analyte	Wgt	Au
	Unit	kg	ppb
	MDL	0.01	2
527871	Drill Core	1.69	3
527872	Drill Core	1.58	3
527873	Drill Core	1.55	<2
527874	Drill Core	1.27	3
527875	Drill Core	1.54	<2
527876	Drill Core	2.04	2
527877	Rock Pulp	0.08	676
527878	Drill Core	1.66	22
527879	Drill Core	1.49	2
527880	Drill Core		<2
527881	Drill Core	1.26	2
527882	Drill Core	1.56	3
527883	Drill Core	0.99	<2
527884	Drill Core	1.43	<2
527885	Rock	1.16	<2
527886	Drill Core	2.04	<2
527887	Drill Core	1.52	<2
527888	Drill Core	1.84	<2
527889	Drill Core	0.85	<2
527890	Drill Core	1.53	3
527891	Drill Core	1.62	<2
527892	Drill Core	1.97	<2
527893	Drill Core	2.20	<2
527894	Drill Core	1.95	<2
527895	Rock Pulp	0.07	1215
527896	Drill Core	1.61	4
527897	Drill Core	2.15	<2
527898	Drill Core	1.44	<2
527899	Drill Core	1.48	5
527900	Drill Core	1.93	13



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680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5 Canada

Project: SULPHUR
Report Date: June 26, 2012

Page: 3 of 6

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000123.1

	Method	WGHT	3B
	Analyte	Wgt	Au
	Unit	kg	ppb
	MDL	0.01	2
527901	Drill Core	1.83	3
527902	Drill Core	1.31	2
527903	Drill Core	2.24	3
527904	Drill Core	0.78	17
527905	Drill Core	0.81	4
527906	Drill Core	1.90	141
527907	Drill Core	2.31	135
527908	Drill Core	1.27	50
527909	Drill Core	2.10	6
527910	Drill Core	2.56	10
527911	Drill Core	1.80	6
527912	Rock Pulp	0.08	711
527913	Drill Core	2.13	4
527914	Drill Core	1.88	4
527915	Drill Core	1.66	5
527916	Drill Core	1.89	4
527917	Drill Core	1.51	9
527918	Drill Core	1.84	3
527919	Drill Core	2.07	4
527920	Drill Core	1.12	<2
527921	Drill Core	1.53	5
527922	Drill Core	1.20	<2
527923	Drill Core	1.31	21
527924	Drill Core	2.04	6
527925	Drill Core	2.03	4
527926	Drill Core	1.85	31
527927	Drill Core	1.93	3
527928	Drill Core	1.81	<2
527929	Drill Core	2.24	<2
527930	Rock Pulp	0.08	1232



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Project: SULPHUR
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Page: 4 of 6

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000123.1

	Method	WGHT	3B
	Analyte	Wgt	Au
	Unit	kg	ppb
	MDL	0.01	2
527931	Drill Core	2.56	9
527932	Drill Core	1.08	5
527933	Drill Core	0.66	<2
527934	Drill Core	2.04	9
527935	Drill Core	1.28	2
527936	Drill Core	2.31	7
527937	Drill Core	2.40	9
527938	Drill Core	2.16	2
527939	Drill Core	1.12	4
527940	Drill Core	1.09	4
527941	Drill Core	2.17	3
527942	Drill Core	2.06	12
527943	Drill Core	2.28	4
527944	Drill Core	2.14	4
527945	Drill Core	1.87	3
527946	Drill Core	1.35	4
527947	Rock Pulp	0.08	707
527948	Drill Core	2.45	7
527949	Drill Core	2.08	6
527950	Drill Core	2.11	10
527951	Drill Core	2.42	4
527952	Drill Core	2.62	2
527953	Drill Core	1.79	3
527954	Drill Core	2.50	<2
527955	Rock	1.07	<2
527956	Drill Core	3.21	<2
527957	Drill Core	1.92	<2
527958	Drill Core	1.84	<2
527959	Drill Core	1.66	<2
527960	Drill Core	2.05	<2



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Project: SULPHUR
Report Date: June 26, 2012

Page: 5 of 6

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000123.1

	Method	WGHT	3B
	Analyte	Wgt	Au
	Unit	kg	ppb
	MDL	0.01	2
527961	Drill Core	1.45	<2
527962	Drill Core	0.73	<2
527963	Drill Core	1.97	4
527964	Drill Core	2.79	4
527965	Rock Pulp	0.07	1248
527966	Drill Core	2.23	4
527967	Drill Core	2.22	5
527968	Drill Core	2.45	3
527969	Drill Core	1.99	<2
527970	Drill Core	2.62	3
527971	Drill Core	2.07	3
527972	Drill Core	2.23	<2
527973	Drill Core	2.59	<2
527974	Drill Core	1.18	14
527975	Drill Core	1.14	9
527976	Drill Core	0.91	20
527977	Drill Core	2.05	11
527978	Drill Core	1.49	114
527979	Drill Core	1.44	13
527980	Drill Core	1.10	118
527981	Drill Core	2.74	12
527982	Rock Pulp	0.08	715
527983	Drill Core	1.78	3
527984	Drill Core	1.56	7
527985	Drill Core	1.77	3
527986	Drill Core	1.58	25
527987	Drill Core	2.31	74
527988	Drill Core	1.25	11
527989	Drill Core	1.41	27
527990	Rock	1.01	<2



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Project: SULPHUR
Report Date: June 26, 2012

Page: 6 of 6

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000123.1

	Method	WGHT	3B
	Analyte	Wgt	Au
	Unit	kg	ppb
	MDL	0.01	2
527991	Drill Core	1.61	7
527992	Drill Core	1.23	4
527993	Drill Core	1.53	2
527994	Drill Core	1.58	37
527995	Drill Core	0.89	69
527996	Drill Core	1.45	57
527997	Drill Core	1.37	19
527998	Drill Core	1.28	32
527999	Drill Core	1.97	13
528000	Rock Pulp	0.07	1244
1305501	Drill Core	2.18	50
1305502	Drill Core	2.12	27
1305503	Drill Core	1.66	51
1305504	Drill Core	2.22	13
1305505	Drill Core	1.50	17
1305506	Drill Core	1.88	13
1305507	Drill Core	1.37	25
1305508	Drill Core	1.53	21
1305509	Drill Core	1.11	47
1305510	Drill Core	1.05	62



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Project: SULPHUR
Report Date: June 26, 2012

Page: 1 of 2

Part: 1 of 1

QUALITY CONTROL REPORT

WHI12000123.1

	Method	WGHT	3B
Analyte		Wgt	Au
Unit		kg	ppb
MDL		0.01	2
Pulp Duplicates			
527889	Drill Core	0.85	<2
REP 527889	QC		<2
527923	Drill Core	1.31	21
REP 527923	QC		28
527957	Drill Core	1.92	<2
REP 527957	QC		<2
527991	Drill Core	1.61	7
REP 527991	QC		7
Core Reject Duplicates			
527896	Drill Core	1.61	4
DUP 527896	QC		2
527931	Drill Core	2.56	9
DUP 527931	QC		13
527966	Drill Core	2.23	4
DUP 527966	QC		4
1305501	Drill Core	2.18	50
DUP 1305501	QC		57
Reference Materials			
STD OXC88	Standard		198
STD OXC88	Standard		204
STD OXC88	Standard		199
STD OXC88	Standard		203
STD OXC88	Standard		187
STD OXG99	Standard		953
STD OXG99	Standard		929
STD OXG99	Standard		997
STD OXG99	Standard		952
STD OXG99	Standard		930



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Project:

SULPHUR

Report Date:

June 26, 2012

Page:

2 of 2

Part:

1 of 1

QUALITY CONTROL REPORT

WHI12000123.1

		WGHT	3B
		Wgt	Au
		kg	ppb
		0.01	2
STD OXG99 Expected			932
STD OXC88 Expected			203
BLK	Blank		5
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		2
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
Prep Wash			
G1-WHI	Prep Blank		<2
G1-WHI	Prep Blank		4



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Client:

Taku Gold Corp

680 3rd Ave, Suite 203
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Submitted By: Mark Fekete

Receiving Lab: Canada-Whitehorse

Received: June 22, 2012

Report Date: July 04, 2012

Page: 1 of 6

CERTIFICATE OF ANALYSIS

WHI12000160.1

CLIENT JOB INFORMATION

Project: SULPHUR
Shipment ID: 201206171019
P.O. Number
Number of Samples: 140

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method 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
3B01	140	Fire assay fusion Au by ICP-ES	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
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.



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Project: SULPHUR
Report Date: July 04, 2012

Page: 2 of 6

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000160.1

Method	WGHT	3B
Analyte	Wgt	Au
Unit	kg	ppb
MDL	0.01	2
1305511	Drill Core	1.94 21
1305512	Drill Core	1.75 18
1305513	Drill Core	2.08 33
1305514	Drill Core	1.63 81
1305515	Drill Core	1.04 51
1305516	Drill Core	1.98 39
1305517	Rock Pulp	0.08 695
1305518	Drill Core	1.55 15
1305519	Drill Core	1.51 11
1305520	Drill Core	1.09 5
1305521	Drill Core	0.90 10
1305522	Drill Core	2.18 3
1305523	Drill Core	1.55 20
1305524	Drill Core	1.81 4
1305525	Rock	0.85 <2
1305526	Drill Core	1.54 106
1305527	Drill Core	1.29 16
1305528	Drill Core	1.79 65
1305529	Drill Core	2.66 40
1305530	Drill Core	1.97 117
1305531	Drill Core	1.74 44
1305532	Drill Core	1.95 48
1305533	Drill Core	1.70 9
1305534	Drill Core	1.55 <2
1305535	Rock Pulp	0.07 1310
1305536	Drill Core	1.67 25
1305537	Drill Core	2.67 22
1305538	Drill Core	1.63 33
1305539	Drill Core	1.05 22
1305540	Drill Core	1.62 10



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Project: SULPHUR
Report Date: July 04, 2012

Page: 3 of 6

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000160.1

Method	WGHT	3B
Analyte	Wgt	Au
Unit	kg	ppb
MDL	0.01	2
1305541	Drill Core	1.93 5
1305542	Drill Core	1.89 <2
1305543	Drill Core	1.38 11
1305544	Drill Core	1.27 58
1305545	Drill Core	1.37 52
1305546	Drill Core	2.02 30
1305547	Drill Core	1.65 5
1305548	Drill Core	2.61 <2
1305549	Drill Core	2.55 10
1305550	Drill Core	1.73 2
1305551	Drill Core	1.74 <2
1305552	Rock	0.07 655
1305553	Drill Core	1.67 3
1305554	Drill Core	2.08 4
1305555	Drill Core	2.42 3
1305556	Drill Core	2.11 4
1305557	Drill Core	2.28 <2
1305558	Drill Core	2.17 11
1305559	Drill Core	2.13 <2
1305560	Rock	1.25 <2
1305561	Drill Core	1.25 2
1305562	Drill Core	1.80 11
1305563	Drill Core	2.12 26
1305564	Drill Core	2.53 9
1305565	Drill Core	1.12 <2
1305566	Drill Core	1.88 <2
1305567	Drill Core	1.36 15
1305568	Drill Core	2.51 34
1305569	Drill Core	2.25 17
1305570	Rock Pulp	0.08 1310



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Project: SULPHUR
Report Date: July 04, 2012

Page: 4 of 6

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000160.1

Method	WGHT	3B
Analyte	Wgt	Au
Unit	kg	ppb
MDL	0.01	2
1305571	Drill Core	1.87 29
1305572	Drill Core	2.01 3
1305573	Drill Core	1.93 10
1305574	Drill Core	1.94 9
1305575	Drill Core	1.95 11
1305576	Drill Core	1.93 23
1305577	Drill Core	1.93 16
1305578	Drill Core	2.07 18
1305579	Drill Core	1.07 4
1305580	Drill Core	0.90 22
1305581	Drill Core	1.66 5
1305582	Drill Core	1.98 <2
1305583	Drill Core	1.50 6
1305584	Drill Core	1.93 <2
1305585	Drill Core	1.70 <2
1305586	Drill Core	1.95 <2
1305587	Rock Pulp	0.08 747
1305588	Drill Core	1.96 4
1305589	Drill Core	1.95 <2
1305590	Drill Core	2.33 4
1305591	Drill Core	2.66 6
1305592	Drill Core	2.72 <2
1305593	Drill Core	0.93 <2
1305594	Drill Core	1.15 <2
1305595	Rock	1.47 4
1305596	Drill Core	0.98 6
1305597	Drill Core	1.12 5
1305598	Drill Core	1.13 6
1305599	Drill Core	1.68 4
1305600	Drill Core	1.84 2



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Project: SULPHUR
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Page: 5 of 6

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000160.1

Method	WGHT	3B
Analyte	Wgt	Au
Unit	kg	ppb
MDL	0.01	2
1305601	Drill Core	1.86 8
1305602	Drill Core	1.78 3
1305603	Drill Core	2.55 16
1305604	Drill Core	1.46 91
1305605	Rock Pulp	0.08 1308
1305606	Drill Core	1.96 46
1305607	Drill Core	1.85 35
1305608	Drill Core	2.65 24
1305609	Drill Core	1.35 18
1305610	Drill Core	1.49 18
1305611	Drill Core	2.02 19
1305612	Drill Core	1.58 13
1305613	Drill Core	1.84 10
1305614	Drill Core	0.95 33
1305615	Drill Core	0.85 36
1305616	Drill Core	1.73 179
1305617	Drill Core	1.82 46
1305618	Drill Core	2.40 60
1305619	Drill Core	1.21 103
1305620	Drill Core	2.08 32
1305621	Drill Core	2.07 65
1305622	Rock Pulp	0.08 754
1305623	Drill Core	2.08 47
1305624	Drill Core	1.67 39
1305625	Drill Core	1.43 31
1305626	Drill Core	2.16 70
1305627	Drill Core	2.05 119
1305628	Drill Core	2.18 52
1305629	Drill Core	1.61 20
1305630	Rock	2.35 <2



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Project: SULPHUR
Report Date: July 04, 2012

Page: 6 of 6

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000160.1

Method	WGHT	3B
Analyte	Wgt	Au
Unit	kg	ppb
MDL	0.01	2
1305631	Drill Core	1.92 48
1305632	Drill Core	2.85 22
1305633	Drill Core	2.38 4
1305634	Drill Core	2.48 107
1305635	Drill Core	2.15 12
1305636	Drill Core	1.57 11
1305637	Drill Core	1.78 <2
1305638	Drill Core	1.23 21
1305639	Drill Core	1.63 99
1305640	Rock Pulp	0.08 1249
1305641	Drill Core	1.45 82
1305642	Drill Core	1.48 3
1305643	Drill Core	1.27 10
1305644	Drill Core	1.87 12
1305645	Drill Core	1.18 25
1305646	Drill Core	2.63 51
1305647	Drill Core	2.23 83
1305648	Drill Core	1.94 119
1305649	Drill Core	0.86 154
1305650	Drill Core	0.96 136



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Project:

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Page:

1 of 2

Part:

1 of 1

QUALITY CONTROL REPORT

WHI12000160.1

	Method	WGHT	3B
Analyte		Wgt	Au
Unit		kg	ppb
MDL		0.01	2
Pulp Duplicates			
1305539	Drill Core	1.05	22
REP 1305539	QC		19
1305573	Drill Core	1.93	10
REP 1305573	QC		8
1305602	Drill Core	1.78	3
REP 1305602	QC		3
1305636	Drill Core	1.57	11
REP 1305636	QC		13
Core Reject Duplicates			
1305524	Drill Core	1.81	4
DUP 1305524	QC		3
1305559	Drill Core	2.13	<2
DUP 1305559	QC		<2
1305594	Drill Core	1.15	<2
DUP 1305594	QC		6
1305629	Drill Core	1.61	20
DUP 1305629	QC		23
Reference Materials			
STD OXC88	Standard		205
STD OXC88	Standard		201
STD OXC88	Standard		214
STD OXC88	Standard		207
STD OXC88	Standard		200
STD OXG99	Standard		946
STD OXG99	Standard		952
STD OXG99	Standard		961
STD OXG99	Standard		926
STD OXG99	Standard		992



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Page:

2 of 2

Part:

1 of 1

QUALITY CONTROL REPORT

WHI12000160.1

		WGHT	3B
		Wgt	Au
		kg	ppb
		0.01	2
STD OXG99 Expected			932
STD OXC88 Expected			203
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		3
BLK	Blank		2
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
Prep Wash			
G1-WHI	Prep Blank		8
G1-WHI	Prep Blank		4



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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: June 26, 2012
Report Date: July 04, 2012
Page: 1 of 6

CERTIFICATE OF ANALYSIS

WHI12000174.1

CLIENT JOB INFORMATION

Project: SULPHUR
Shipment ID: 201206201254
P.O. Number
Number of Samples: 140

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	132	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B01	140	Fire assay fusion Au by ICP-ES	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
680 3rd Ave, Suite 203
Val D'Or QC J9P 1S5
Canada

CC: Marty Huber
Drew MacPhail
Ben Dubois
Neda Dokic



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



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Client: **Taku Gold Corp**
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Val D'Or QC J9P 1S5 Canada

Project: SULPHUR
Report Date: July 04, 2012

Page: 2 of 6

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000174.1

Method	WGHT	3B
Analyte	Wgt	Au
Unit	kg	ppb
MDL	0.01	2
1305651	Drill Core	2.26 20
1305652	Drill Core	1.18 8
1305653	Drill Core	1.30 12
1305654	Drill Core	1.35 26
1305655	Drill Core	1.88 60
1305656	Drill Core	1.69 10
1305657	Rock Pulp	0.08 661
1305658	Drill Core	1.54 107
1305659	Drill Core	1.98 22
1305660	Drill Core	1.28 3
1305661	Drill Core	1.32 <2
1305662	Drill Core	1.43 <2
1305663	Drill Core	1.35 <2
1305664	Drill Core	1.89 7
1305665	Rock	2.80 <2
1305666	Drill Core	1.03 27
1305667	Drill Core	1.15 17
1305668	Drill Core	1.84 6
1305669	Drill Core	2.43 <2
1305670	Drill Core	1.65 5
1305671	Drill Core	1.73 <2
1305672	Drill Core	1.88 7
1305673	Drill Core	2.09 <2
1305674	Drill Core	1.50 2
1305675	Rock Pulp	0.08 1220
1305676	Drill Core	0.70 9
1305677	Drill Core	1.36 18
1305678	Drill Core	1.40 6
1305679	Drill Core	1.74 4
1305680	Drill Core	1.89 21



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Project: SULPHUR
Report Date: July 04, 2012

Page: 3 of 6

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000174.1

Method	WGHT	3B
Analyte	Wgt	Au
Unit	kg	ppb
MDL	0.01	2
1305681	Drill Core	2.10 11
1305682	Drill Core	2.04 45
1305683	Drill Core	1.82 <2
1305684	Drill Core	1.12 <2
1305685	Drill Core	1.10 <2
1305686	Drill Core	0.90 <2
1305687	Drill Core	2.33 <2
1305688	Drill Core	2.08 15
1305689	Drill Core	1.90 2
1305690	Drill Core	2.48 <2
1305691	Drill Core	1.42 <2
1305692	Rock Pulp	0.08 663
1305693	Drill Core	1.94 <2
1305694	Drill Core	1.84 <2
1305695	Drill Core	2.28 <2
1305696	Drill Core	2.36 <2
1305697	Drill Core	2.59 <2
1305698	Drill Core	2.78 9
1305699	Rock	2.48 <2
1305700	Drill Core	2.10 12
1305701	Drill Core	1.78 16
1305702	Drill Core	2.97 23
1305703	Drill Core	1.50 11
1305704	Drill Core	2.37 43
1305705	Drill Core	1.63 <2
1305706	Drill Core	2.08 <2
1305707	Drill Core	0.84 5
1305708	Drill Core	1.61 9
1305709	Drill Core	1.61 38
1305710	Rock Pulp	0.08 1199



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Report Date: July 04, 2012

Page: 4 of 6

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000174.1

Method	WGHT	3B
Analyte	Wgt	Au
Unit	kg	ppb
MDL	0.01	2
1305711	Drill Core	44
1305712	Drill Core	3
1305713	Drill Core	4
1305714	Drill Core	19
1305715	Drill Core	16
1305716	Drill Core	128
1305717	Drill Core	150
1305718	Drill Core	51
1305719	Drill Core	6
1305720	Drill Core	8
1305721	Drill Core	143
1305722	Drill Core	4
1305723	Drill Core	5
1305724	Drill Core	6
1305725	Drill Core	4
1305726	Drill Core	3
1305727	Rock Pulp	732
1305728	Drill Core	<2
1305729	Drill Core	<2
1305730	Drill Core	<2
1305731	Drill Core	<2
1305732	Drill Core	<2
1305733	Drill Core	<2
1305734	Drill Core	<2
1305735	Rock	<2
1305736	Drill Core	<2
1305737	Drill Core	<2
1305738	Drill Core	<2
1305739	Drill Core	<2
1305740	Drill Core	<2



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Report Date: July 04, 2012

Page: 5 of 6

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000174.1

Method	WGHT	3B
Analyte	Wgt	Au
Unit	kg	ppb
MDL	0.01	2
1305741	Drill Core	<2
1305742	Drill Core	2
1305743	Drill Core	<2
1305744	Drill Core	<2
1305745	Rock Pulp	1201
1305746	Drill Core	<2
1305747	Drill Core	<2
1305748	Drill Core	<2
1305749	Drill Core	15
1305750	Drill Core	4
1305751	Drill Core	32
1305752	Drill Core	<2
1305753	Drill Core	3
1305754	Drill Core	4
1305755	Drill Core	3
1305756	Drill Core	<2
1305757	Drill Core	16
1305758	Drill Core	23
1305759	Drill Core	40
1305760	Drill Core	286
1305761	Drill Core	469
1305762	Rock Pulp	668
1305763	Drill Core	197
1305764	Drill Core	9
1305765	Drill Core	84
1305766	Drill Core	46
1305767	Drill Core	26
1305768	Drill Core	3
1305769	Drill Core	2
1305770	Rock	<2



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Project: SULPHUR
Report Date: July 04, 2012

Page: 6 of 6

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000174.1

Method	WGHT	3B
Analyte	Wgt	Au
Unit	kg	ppb
MDL	0.01	2
1305771	Drill Core	1.87 27
1305772	Drill Core	1.80 63
1305773	Drill Core	1.83 269
1305774	Drill Core	1.42 408
1305775	Drill Core	1.83 38
1305776	Drill Core	1.35 43
1305777	Drill Core	1.91 240
1305778	Drill Core	2.25 164
1305779	Drill Core	2.31 <2
1305780	Rock Pulp	0.08 1213
1305781	Drill Core	1.64 <2
1305782	Drill Core	2.80 18
1305783	Drill Core	2.05 36
1305784	Drill Core	1.46 12
1305785	Drill Core	2.00 32
1305786	Drill Core	2.46 25
1305787	Drill Core	2.38 <2
1305788	Drill Core	2.06 <2
1305789	Drill Core	0.66 <2
1305790	Drill Core	0.76 <2



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Page: 1 of 2

Part: 1 of 1

QUALITY CONTROL REPORT

WHI12000174.1

	Method	WGHT	3B
Analyte		Wgt	Au
Unit		kg	ppb
MDL		0.01	2
Pulp Duplicates			
1305678	Drill Core	1.40	6
REP 1305678	QC		6
1305712	Drill Core	1.90	3
REP 1305712	QC		2
1305748	Drill Core	0.84	<2
REP 1305748	QC		<2
1305782	Drill Core	2.80	18
REP 1305782	QC		18
Core Reject Duplicates			
1305667	Drill Core	1.15	17
DUP 1305667	QC		18
1305702	Drill Core	2.97	23
DUP 1305702	QC		23
1305737	Drill Core	1.46	<2
DUP 1305737	QC		<2
1305772	Drill Core	1.80	63
DUP 1305772	QC		86
Reference Materials			
STD OXC88	Standard		195
STD OXC88	Standard		189
STD OXC88	Standard		191
STD OXC88	Standard		192
STD OXC88	Standard		204
STD OXC88	Standard		206
STD OXG99	Standard		898
STD OXG99	Standard		902
STD OXG99	Standard		860
STD OXG99	Standard		878



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Project:

SULPHUR

Report Date:

July 04, 2012

Page:

2 of 2

Part:

1 of 1

QUALITY CONTROL REPORT

WHI12000174.1

		WGHT	3B
		Wgt	Au
		kg	ppb
		0.01	2
STD OXG99	Standard		976
STD OXG99	Standard		962
STD OXC88 Expected			203
STD OXG99 Expected			932
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
Prep Wash			
G1-WHI	Prep Blank		<2
G1-WHI	Prep Blank		<2



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Submitted By: Mark Fekete
Receiving Lab: Canada-Whitehorse
Received: June 27, 2012
Report Date: July 04, 2012
Page: 1 of 5

CERTIFICATE OF ANALYSIS

WHI12000181.1

CLIENT JOB INFORMATION

Project: SULPHUR
Shipment ID: 201206230142
P.O. Number
Number of Samples: 95

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	89	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B01	95	Fire assay fusion Au by ICP-ES	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
680 3rd Ave, Suite 203
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Canada

CC: Marty Huber
Neda Dokic
Ben Dubois
Drew MacPhail



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** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: SULPHUR
Report Date: July 04, 2012

Page: 2 of 5

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000181.1

Method	WGHT	3B
Analyte	Wgt	Au
Unit	kg	ppb
MDL	0.01	2
1305791	Drill Core	1.80 26
1305792	Drill Core	1.66 3
1305793	Drill Core	1.92 <2
1305794	Drill Core	1.08 6
1305795	Drill Core	1.23 8
1305796	Drill Core	2.30 23
1305797	Drill Core	0.08 114
1305798	Rock Pulp	2.27 717
1305799	Drill Core	2.57 152
1305800	Drill Core	2.34 38
1305801	Drill Core	1.56 62
1305802	Drill Core	2.62 44
1305803	Drill Core	2.76 15
1305804	Drill Core	2.62 <2
1305805	Rock	1.77 <2
1305806	Drill Core	1.84 19
1305807	Drill Core	2.17 31
1305808	Drill Core	1.89 11
1305809	Drill Core	2.45 4
1305810	Drill Core	2.49 29
1305811	Drill Core	2.48 5
1305812	Drill Core	2.14 <2
1305813	Drill Core	1.64 <2
1305814	Drill Core	2.43 57
1305815	Rock Pulp	0.08 1313
1305816	Drill Core	2.44 63
1305817	Drill Core	2.62 3
1305818	Drill Core	2.51 27
1305819	Drill Core	1.57 13
1305820	Drill Core	2.33 2



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Project: SULPHUR
Report Date: July 04, 2012

Page: 3 of 5

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000181.1

Method	WGHT	3B
Analyte	Wgt	Au
Unit	kg	ppb
MDL	0.01	2
1305821	Drill Core	2.65 6
1305822	Drill Core	1.92 <2
1305823	Drill Core	2.01 3
1305824	Drill Core	0.89 6
1305825	Drill Core	0.90 7
1305826	Drill Core	1.77 16
1305827	Drill Core	1.66 37
1305828	Drill Core	1.66 23
1305829	Drill Core	1.59 <2
1305830	Drill Core	2.21 <2
1305831	Drill Core	2.36 4
1305832	Rock Pulp	0.08 704
1305833	Drill Core	1.62 55
1305834	Drill Core	2.14 53
1305835	Drill Core	2.16 25
1305836	Drill Core	2.07 15
1305837	Drill Core	2.32 34
1305838	Drill Core	2.97 158
1305839	Drill Core	2.23 118
1305840	Rock	1.12 <2
1305841	Drill Core	1.61 81
1305842	Drill Core	1.67 42
1305843	Drill Core	1.91 94
1305844	Drill Core	2.04 <2
1305845	Drill Core	1.55 <2
1305846	Drill Core	1.50 3
1305847	Drill Core	2.55 <2
1305848	Drill Core	2.19 <2
1305849	Drill Core	2.43 <2
1305850	Rock Pulp	0.08 1276



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Page: 4 of 5

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000181.1

Method	WGHT	3B
Analyte	Wgt	Au
Unit	kg	ppb
MDL	0.01	2
1305851	Drill Core	1.90 3
1305852	Drill Core	1.76 <2
1305853	Drill Core	2.19 <2
1305854	Drill Core	1.31 <2
1305855	Drill Core	1.20 <2
1305856	Drill Core	2.11 <2
1305857	Drill Core	2.76 <2
1305858	Drill Core	2.49 <2
1305859	Drill Core	1.09 <2
1305860	Drill Core	1.02 2
1305861	Drill Core	1.83 <2
1305862	Drill Core	1.73 <2
1305863	Drill Core	1.47 <2
1305864	Drill Core	2.49 2
1305865	Drill Core	2.57 <2
1305866	Drill Core	1.72 <2
1305867	Rock Pulp	0.08 651
1305868	Drill Core	2.04 <2
1305869	Drill Core	1.86 <2
1305870	Drill Core	1.87 <2
1305871	Drill Core	1.65 2
1305872	Drill Core	2.01 <2
1305873	Drill Core	1.88 <2
1305874	Drill Core	2.11 30
1305875	Rock	1.11 <2
1305876	Drill Core	1.53 <2
1305877	Drill Core	1.28 <2
1305878	Drill Core	2.50 <2
1305879	Drill Core	2.13 <2
1305880	Drill Core	2.29 <2



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Report Date: July 04, 2012

Page: 5 of 5

Part: 1 of 1

CERTIFICATE OF ANALYSIS

WHI12000181.1

	Method	WGHT	3B
	Analyte	Wgt	Au
	Unit	kg	ppb
	MDL	0.01	2
1305881	Drill Core	1.37	<2
1305882	Drill Core	2.45	<2
1305883	Drill Core	2.26	<2
1305884	Drill Core	2.01	<2
1305885	Rock Pulp	0.07	1214



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Project:

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Report Date:

July 04, 2012

Page:

1 of 2

Part:

1 of 1

QUALITY CONTROL REPORT

WHI12000181.1

	Method	WGHT	3B
	Analyte	Wgt	Au
	Unit	kg	ppb
	MDL	0.01	2
Pulp Duplicates			
1305814	Drill Core	2.43	57
REP 1305814	QC		56
1305848	Drill Core	2.19	<2
REP 1305848	QC		<2
1305880	Drill Core	2.29	<2
REP 1305880	QC		<2
Core Reject Duplicates			
1305794	Drill Core	1.08	6
DUP 1305794	QC		5
1305829	Drill Core	1.59	<2
DUP 1305829	QC		<2
1305864	Drill Core	2.49	2
DUP 1305864	QC		<2
Reference Materials			
STD OXC88	Standard		191
STD OXC88	Standard		208
STD OXC88	Standard		204
STD OXC88	Standard		194
STD OXG99	Standard		860
STD OXG99	Standard		955
STD OXG99	Standard		976
STD OXG99	Standard		918
STD OXG99 Expected			932
STD OXC88 Expected			203
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2



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Page: 2 of 2

Part: 1 of 1

QUALITY CONTROL REPORT

WHI12000181.1

		WGHT	3B
		Wgt	Au
		kg	ppb
		0.01	2
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
BLK	Blank		<2
Prep Wash			
G1-WHI	Prep Blank		<2
G1-WHI	Prep Blank		<2

Appendix D – Sample Standards



ORE RESEARCH & EXPLORATION PTY LTD

6-8 Gatwick Drive, Bayswater North, Vic 3153 AUSTRALIA

Telephone: 61-3-9729 0333 Facsimile: 61-3-9729 4777

CERTIFICATE OF ANALYSIS FOR

Au-Ag-Cu ORE REFERENCE MATERIAL

OREAS 66a

SUMMARY STATISTICS

Constituent (ppm)	Certified Value	1SD	95% Confidence Interval	
			Low	High
Gold, Au	1.237	0.054	1.211	1.263
Silver, Ag	18.9	1.2	18.4	19.4
Copper, Cu	121	7	117	124

Prepared by:

ORE Research & Exploration Pty Ltd

August 2009

REPORT 09-752-66a

INTRODUCTION

OREAS reference materials (RM) are intended to provide a low cost method of evaluating and improving the quality of precious and base metal analysis of geological samples. To the explorationist, they provide an important control in analytical data sets related to exploration from the grass roots level through to resource definition. To the mine geologist, they provide a tool for grade control in routine mining operations. To the analyst, they provide an effective means of calibrating analytical equipment, assessing new techniques and routinely monitoring in-house procedures.

SOURCE MATERIALS

OREAS 66a was prepared from gold-silver ore from Martabe, North Sumatra, Indonesia blended with fresh alkali olivine basalt from the Newer Volcanics Province, Victoria, Australia. Martabe is an epithermal high sulphidation gold deposit hosted by a sequence of tertiary volcanic and sedimentary rocks near a fault splay of the Great Sumatran Fault complex. The approximate major and trace element composition of OREAS 66a is given in Table 1. The constituents SiO₂ to Total are the means of duplicate XRF analyses determined using a borate fusion method, S and C are means of duplicate IR combustion furnace analyses, while the remaining constituents, Ag to Zr, are means of duplicate 4-acid digestion ICP-MS analyses (except for Pb where ICP-OES was used).

Gold homogeneity has been evaluated and confirmed by instrumental neutron activation analysis (INAA) on twenty 0.5 gram sample portions and by a nested ANOVA program on the fire assay data. The tolerance interval for Au is determined from the INAA data while the certified value and confidence interval are based on the fire assay results of a round robin program incorporating a total of 134 analyses at 19 laboratories.

COMMINUTION AND HOMOGENISATION PROCEDURES

OREAS 66a was prepared in the following manner:

- a) *jaw crushing to minus 3mm;*
- b) *drying to constant mass at 105°C;*
- c) *multi-stage milling of the ore component to 100% minus 30 microns;*
- d) *multi-stage milling of the basalt component to 100% minus 75 microns;*
- e) *blending and bagging into 25kg sublots;*
- f) *packaging into 60g units in laminated foil pouches and 1kg units in plastic jars*

ANALYSIS OF OREAS 66a

Nineteen laboratories participated in the analytical program to characterise gold and seventeen for silver and copper. They are listed in the section headed 'Participating Laboratories'. To maintain anonymity these laboratories have been randomly designated the letter codes A through T. With the exception of Laboratory T each laboratory received two scoop-split 100 gram subsamples from each of three 1kg test units (6 samples total) taken at regular intervals during the bagging stage (20 test units in total). For each sample labs were requested to carry out one 30-50 gram fire assay determination for gold (with new pots) and one 4-acid digest determination for silver and copper using their preferred finish. The nested design of the interlaboratory programme is amenable to analysis of variance (ANOVA) and enables a comparative assessment of within- and between-unit homogeneity (see 'ANOVA study' section).

Table 1. Approximate major and trace element composition of gold-bearing reference material OREAS 66a; wt.% - weight percent; ppm - parts per million.

Constituent	wt.%	Constituent	ppm	Constituent	ppm	Constituent	ppm
SiO ₂	73.6	Ag	18.8	Gd	2.9	Sb	64
TiO ₂	0.83	As	282	Hf	1.9	Sc	9
Al ₂ O ₃	8.49	Ba	808.5	Ho	0.4	Sm	3.35
Fe ₂ O ₃	6.745	Be	0.6	In	0.48	Sn	3.50
MnO	0.04	Bi	10.2	La	17.6	Sr	488
MgO	1.82	Cd	1	Li	14.8	Ta	0.4
CaO	2.32	Ce	33.6	Lu	0.21	Tb	0.40
Na ₂ O	0.85	Co	18	Mo	5.5	Te	9.6
K ₂ O	0.355	Cs	0.5	Nb	6.8	Th	4.1
P ₂ O ₅	0.1635	Cu	119	Nd	16.0	U	1.4
LOI	4.16	Dy	2.15	Ni	59	W	10.5
Total	102.25	Er	1.23	Pb	260	Y	10.3
C	0.03	Eu	0.98	Pr	4	Yb	1.3
S	1.075	Ga	17.4	Rb	8	Zn	91
						Zr	75

For the determination of a statistical tolerance interval, a 10 gram scoop split was taken from each of the twenty test units and submitted to 'Lab T' for gold assay via instrumental neutron activation analysis on a reduced analytical subsample weight of 0.5 gram.

Individual assay results for gold via fire assay and INAA are presented in Tables 2 and 3, respectively, and results for silver and copper are presented in Table 4 and 5, respectively. These results are shown together with the mean, median, standard deviations (absolute and relative) and percent deviation of the lab mean from the corrected mean of means for each data set (PDM³). The analytical methods employed by each laboratory are given in the table captions. For gold, interlaboratory agreement of the fire assay means is good with all labs lying within 8.6% relative of the corrected mean of means (certified value) of 1.237 ppm Au. For silver, interlaboratory agreement of the lab means is good with all labs lying within 9.4% relative of the certified value of 18.9 ppm Ag. For copper interlaboratory agreement of the lab means is good with 14 labs within 7.8% relative of the certified value of 121 ppm Cu and 3 labs at +12.09%, +12.78% and -16.66% relative of the certified value.

Table 2. Analytical results for gold in OREAS 66a (FA - fire assay; AAS - flame atomic absorption spectrometry; OES - inductively coupled plasma optical emission spectrometry; GRAV - gravimetry; Std.Dev. - one sigma standard deviation; Rel.Std.Dev. - one sigma relative standard deviation; PDM³ - percent deviation of lab mean from corrected mean of means; outliers in bold and left justified; sample charge weights shown in row 3; values in ppm).

Replicate No.	Lab A FA*AAS 30g	Lab B FA*AAS 30g	Lab C FA*AAS 30g	Lab D FA*AAS 25g	Lab E FA*AAS 50g	Lab F FA*AAS 30g	Lab G FA*OES 30g	Lab H FA*AAS 50g	Lab I FA*OES 40g
1	1.18	1.18	1.25	1.27	1.25	1.28	1.19	1.17	1.25
2	1.21	1.19	1.31	1.23	1.24	1.31	1.19	1.20	1.24
3	1.17	1.20	1.31	1.27	1.27	1.31	1.24	1.18	1.28
4	1.16	1.19	1.31	1.27	1.24	1.32	1.23	1.23	1.26
5	1.16	1.18	1.32	1.26	1.24	1.29	1.19	1.20	1.25
6	1.20	1.18	1.36	1.24	1.26	1.29	1.19	1.18	1.28
Mean	1.18	1.19	1.31	1.26	1.25	1.30	1.21	1.19	1.26
Median	1.18	1.19	1.31	1.27	1.25	1.30	1.19	1.19	1.26
Std.Dev.	0.02	0.01	0.04	0.02	0.01	0.02	0.02	0.02	0.02
Rel.Std.Dev.	1.78%	0.85%	2.83%	1.39%	1.01%	1.19%	1.95%	1.81%	1.33%
PDM ³	-4.62%	-4.04%	5.76%	1.58%	1.04%	5.08%	-2.60%	-3.54%	1.85%

Table 2. Continued

Replicate No.	Lab J FA*AAS 30g	Lab K FA*AAS 30g	Lab L FA*AAS 30g	Lab M FA*AAS 30g	Lab N FA*AAS 30g	Lab O FA*AAS 30g	Lab P FA*AAS 40g	Lab Q FA*AAS 30g	Lab R FA*OES 25g	Lab S FA*AAS 30g
1	1.19	1.27	1.25	1.26	1.21	1.38	1.26	1.29	1.19	1.11
2	1.17	1.27	1.27	1.26	1.22	1.20	1.27	1.29	1.21	1.21
3	1.13	1.24	1.28	1.25	1.22	1.30	1.24	1.27	1.19	1.18
4	1.12	1.26	1.26	1.28	1.24	1.24	1.23	1.25	1.22	1.09
5	1.13	1.24	1.24	1.27	1.22	1.34	1.22	1.19	1.23	1.11
6	1.13	1.23	1.25	1.27	1.21	1.24	1.23	1.21	1.21	1.09
Mean	1.15	1.25	1.25	1.26	1.22	1.28	1.24	1.25	1.21	1.13
Median	1.13	1.25	1.25	1.26	1.22	1.27	1.24	1.26	1.21	1.11
Std.Dev.	0.03	0.02	0.01	0.01	0.01	0.07	0.02	0.04	0.02	0.05
Rel.Std.Dev	2.45%	1.46%	1.19%	0.89%	0.90%	5.35%	1.56%	3.36%	1.33%	4.50%
PDM ³	-7.45%	0.97%	1.38%	2.05%	-1.38%	3.74%	0.37%	1.04%	-2.33%	-8.60%

Table 3. Analytical results for gold in OREAS 66a by INAA (instrumental neutron activation analysis on 0.5 gram analytical subsample weights; other abbreviations as for Table 2).

Replicate No.	Lab T INAA 0.5g
1	1.36
2	1.32
3	1.32
4	1.36
5	1.39
6	1.36
7	1.38
8	1.38
9	1.35
10	1.35
11	1.36
12	1.37
13	1.39
14	1.37
15	1.35
16	1.35
17	1.35
18	1.34
19	1.34
20	1.35
Mean	1.36
Median	1.36
Std.Dev.	0.02
Rel.Std.Dev.	1.44%
PDM ³	9.69%

Table 4. Analytical results for silver in OREAS 66a (4A - four acid digest (HNO₃-HClO₄-HCl-HF); AAS - flame atomic absorption spectrometry; OES - inductively coupled plasma optical emission spectrometry; MS - inductively coupled plasma mass spectrometry; other abbreviations as for Table 2; values in ppm).

Replicate No.	Lab A 4A*OES	Lab B 4A*OES	Lab C 4A*MS	Lab D 4A*AAS	Lab E 4A*OES	Lab F 4A*OES	Lab G 4A*OES	Lab H 4A*OES	Lab I 4A*MS
1	20.5	19.0	19.2	17.0	20.5	17.4	19.0	18.8	18.5
2	20.2	21.0	19.8	18.0	20.0	18.1	20.0	19.0	19.0
3	19.5	22.0	19.4	18.0	20.3	17.2	18.0	19.0	18.0
4	20.3	20.0	19.3	18.0	20.6	17.3	17.0	18.9	18.0
5	20.6	19.0	19.1	18.0	20.4	17.5	19.0	18.8	18.0
6	20.4	19.0	19.1	18.0	20.0	17.8	18.0	19.2	19.0
Mean	20.3	20.0	19.3	17.8	20.3	17.6	18.5	19.0	18.4
Median	20.4	19.5	19.2	18.0	20.4	17.5	18.5	19.0	18.3
Std.Dev.	0.4	1.3	0.3	0.4	0.3	0.3	1.0	0.2	0.5
Rel.Std.Dev.	1.94%	6.32%	1.40%	2.29%	1.25%	1.93%	5.67%	0.80%	2.67%
PDM ³	7.20%	5.87%	2.12%	-5.60%	7.46%	-7.10%	-2.07%	0.32%	-2.51%

Table 4. Continued

Replicate No.	Lab J 4A*OES	Lab L 4A*AAS	Lab N 4A*AAS	Lab O 4A*OES	Lab P 4A*OES	Lab Q 4A*OES	Lab R 4A*OES	Lab S 4A*AAS
1	18.1	18.2	16.3	18.7	21.0	18.1	20.6	19.6
2	22.9	17.9	16.7	18.6	21.0	18.4	20.2	20.5
3	18.6	19.1	16.4	18.8	21.0	18.8	20.3	19.5
4	17.6	18.7	16.8	19.3	20.0	19.4	20.6	15.6
5	17.6	18.7	18.5	18.3	21.0	19.2	20.3	16.7
6	18.4	18.5	19.0	18.9	20.0	18.9	20.0	16.0
Mean	18.9	18.5	17.3	18.8	20.7	18.8	20.3	18.0
Median	18.3	18.6	16.8	18.8	21.0	18.9	20.3	18.1
Std.Dev.	2.0	0.4	1.2	0.3	0.5	0.5	0.2	2.1
Rel.Std.Dev.	10.69%	2.28%	6.72%	1.77%	2.50%	2.58%	1.15%	11.79%
PDM ³	-0.13%	-1.98%	-8.51%	-0.66%	9.40%	-0.48%	7.64%	-4.86%

Table 5. Analytical results for copper in OREAS 66a (4A - four acid digest (HNO₃-HClO₄-HCl-HF); AAS - flame atomic absorption spectrometry; OES - inductively coupled plasma optical emission spectrometry; MS - inductively coupled plasma mass spectrometry; other abbreviations as for Table 2; values in ppm).

Replicate No.	Lab A 4A*OES	Lab B 4A*OES	Lab C 4A*MS	Lab D 4A*AAS	Lab E 4A*OES	Lab F 4A*OES	Lab G 4A*OES	Lab H 4A*OES	Lab I 4A*OES
1	139	113	115	111	124	118	110	121	122
2	135	110	115	114	125	116	110	122	126
3	129	111	116	115	126	116	110	123	126
4	136	110	114	116	128	115	120	122	124
5	137	112	113	115	126	115	110	122	124
6	135	111	114	116	124	119	110	123	120
Mean	135	111	114	115	126	117	112	122	124
Median	136	111	114	115	126	116	110	122	124
Std.Dev.	3	1	1	2	2	2	4	1	2
Rel.Std.Dev.	2.49%	1.05%	1.02%	1.63%	1.21%	1.41%	3.66%	0.62%	1.89%
PDM ³	12.09%	-7.82%	-5.33%	-5.05%	4.07%	-3.39%	-7.40%	1.31%	2.55%

Table 5. Continued

Replicate No.	Lab J 4A*OES	Lab L 4A*AAS	Lab N 4A*AAS	Lab O 4A*OES	Lab P 4A*OES	Lab Q 4A*OES	Lab R 4A*OES	Lab S 4A*AAS
1	130	NR	121	NR	120	122	121	128
2	157	NR	120	NR	120	121	120	127
3	133	NR	123	NR	120	123	122	127
4	127	NR	125	NR	120	122	118	127
5	135	NR	123	NR	120	121	119	127
6	134	NR	122	NR	120	121	120	126
Mean	136		122		120	122	120	127
Median	134		123		120	122	120	127
Std.Dev.	11		2		0	1	1	1
Rel.Std.Dev.	7.86%		1.43%		0.00%	0.67%	1.18%	0.50%
PDM ³	12.78%		1.44%		-0.49%	0.89%	-0.49%	5.31%

STATISTICAL EVALUATION OF ANALYTICAL DATA FOR OREAS 66a

Certified Value and Confidence Limits

The certified value was determined from the mean of means of accepted replicate values of accepted laboratory data sets A to T according to the formulae

$$\bar{x}_i = \frac{1}{n_i} \sum_{j=1}^{n_i} x_{ij}$$

$$\bar{\dot{x}} = \frac{1}{p} \sum_{i=1}^p \bar{x}_i$$

where

x_{ij} is the j th result reported by laboratory i ;

p is the number of participating laboratories;

n_i is the number of results reported by laboratory i ;

$\bar{x}_i$ is the mean for laboratory i ;

$\bar{\dot{x}}$ is the mean of means.

The confidence limits were obtained by calculation of the variance of the consensus value (mean of means) and reference to Student's- t distribution with degrees of freedom $(p-1)$:

$$\hat{V}(\ddot{x}) = \frac{1}{p(p-1)} \sum_{i=1}^p (\bar{x}_i - \bar{\dot{x}})^2$$

$$\text{Confidence limits} = \bar{\dot{x}} \pm t_{1-x/2}(p-1) \left(\hat{V}(\ddot{x}) \right)^{1/2}$$

where $t_{1-x/2}(p-1)$ is the $1-x/2$ fractile of the t -distribution with $(p-1)$ degrees of freedom.

The distribution of the values is assumed to be symmetrical about the mean in the calculation of the confidence limits.

The test for rejection of individual outliers from each laboratory data set was based on z scores (rejected if $|z_i| > 2.5$) computed from the robust estimators of location and scale, T and S , respectively, according to the formulae

$$S = 1.483 \text{ median}_{j=1, \dots, n} / x_j - \text{median}_{i=1, \dots, n} (x_i) /$$

$$z_i = \frac{x_i - T}{S}$$

where

T is the median value in a data set;

S is the median of all absolute deviations from the sample median multiplied by 1.483, a correction factor to make the estimator consistent with the usual parameter of a normal distribution.

The z-score test is used in combination with a second method of individual outlier detection that determines the percent deviation of the individual value from the median. Outliers in general are selected on the basis of z-scores > 2.5 and with percent deviations > 1.5%. In certain instances statistician's prerogative has been employed in discriminating outliers.

Each laboratory data set is tested for outlying status based on z-score discrimination and rejected if $|z_i| > 2.5$. After individual and entire lab data set outliers have been eliminated a non-iterative 3 standard deviation filter is applied, with those values lying outside this window also relegated to outlying status.

Individual outliers and, more rarely, laboratory means deemed to be outlying are shown left justified and in bold in the tabulated results (Tables 2 to 5) and have been omitted in the determination of certified values.

The magnitude of the confidence interval is inversely proportional to the number of participating laboratories and interlaboratory agreement. It is a measure of the reliability of the certified value, i.e. the narrower the confidence interval the greater the certainty in the certified value (Table 6).

Table 6. Certified Value and 95% Confidence Interval

Constituent	Certified Value	95% Confidence Interval	
		Low	High
Gold, Au (ppm)	1.237	1.211	1.263
Silver, Ag (ppm)	18.9	18.4	19.4
Copper, Cu (ppm)	121	117	124

Note: intervals may appear asymmetric due to rounding

Statement of Homogeneity

The variability of replicate assays from each laboratory is a result of both measurement and subsampling errors. In the determination of a statistical tolerance interval it is therefore necessary to eliminate, or at least substantially minimise, those errors attributable to measurement. One way of achieving this is by substantially reducing the analytical subsample weight to a point where most of the variability in replicate assays is due to inhomogeneity of the reference material and measurement error becomes negligible. This approach was adopted in the INAA gold data set (Table 3) where a 0.5 gram subsample weight was employed.

The homogeneity was determined from tables of factors for two-sided tolerance limits for normal distributions (ISO Guide 3207) in which

Lower limit is $\bar{x} - k'_2(n, p, 1 - \alpha)s$

Upper limit is $\bar{x} + k'_2(n, p, 1 - \alpha)s$

where

n is the number of results reported by laboratory Q ;

$1 - \alpha$ is the confidence level;

p is the proportion of results expected within the tolerance limits;

k'_2 is the factor for two-sided tolerance limits (m, σ unknown);

and s is computed according to the formula

$$s = \left[\frac{\sum_{j=1}^n (x_j - \bar{x})^2}{n-1} \right]^{1/2}$$

No individual outliers were removed from the results prior to the calculation of tolerance intervals.

Table 7. Certified Value and Tolerance Interval.

Constituent	Certified Value	Tolerance Interval 1- α =0.99, p =0.95	
		Low	High
Gold, Au (ppm)	1.237	1.230	1.244
Silver, Ag (ppm)	18.9	18.2	19.6
Copper, Cu (ppm)	121	118	124

Note: intervals may appear asymmetric due to rounding

From the INAA data set an estimated tolerance interval of ± 0.007 ppm at an analytical subsample weight of 30 gram was obtained (using the sampling constant relationship of Ingamells and Switzer, 1973) and is considered to reflect the actual homogeneity of the material under test. The meaning of this tolerance interval may be illustrated for gold (refer Table 7), where 99% of the time at least 95% of 30g-sized subsamples will have concentrations lying between 1.230 and 1.244 ppm. Put more precisely, this means that if the same number of subsamples were taken and analysed in the same manner repeatedly, 99% of the tolerance intervals so constructed would cover at least 95% of the total population, and 1% of the tolerance intervals would cover less than 95% of the total population (ISO Guide 35).

A different approach was used in estimating tolerance for silver and copper. The standard deviation of the pooled individual analyses of all participating laboratories includes error due to the imprecision of each analytical method, to possible inhomogeneity of the material under test and, in particular, to deficiencies in accuracy of each analytical method. In determining tolerance intervals for silver and copper that component of error attributable to measurement inaccuracy was eliminated by transformation of the individual results of each data set to a common mean (the uncorrected grand mean) according to the formula

$$x'_{ij} = x_{ij} - \bar{x}_i + \frac{\sum_{i=1}^p \sum_{j=1}^{n_i} x_{ij}}{\sum_{i=1}^p n_i}$$

where

x_{ij} is the j th raw result reported by laboratory i ;
 x'_{ij} is the j th transformed result reported by laboratory i ;
 n_i is the number of results reported by laboratory i ;
 p is the number of participating laboratories;
 $\bar{x}_i$ is the raw mean for laboratory i .

The homogeneity of each constituent was determined from tables of factors for two-sided tolerance limits for normal distributions (ISO 3207) in which

Lower limit is $\ddot{x} - k'_2(n, p, 1 - \alpha) s''_g$

Upper limit is $\ddot{x} + k'_2(n, p, 1 - \alpha) s''_g$

where

n the number of results
 $1 - \alpha$ is the confidence level;
 p is the proportion of results expected within tolerance limits;
 k'_2 is the factor for two-sided tolerance limits (m, α unknown);
 s''_g is the corrected grand standard deviation.

The corrected grand standard deviation, s''_g , used to compute the tolerance intervals is the weighted means of standard deviations of all data sets for a particular constituent according to the formula

$$s''_g = \frac{\sum_{i=1}^p (s_i (1 - \frac{s_i}{s'_g}))}{\sum_{i=1}^p (1 - \frac{s_i}{s'_g})}$$

where

$1 - (\frac{s_i}{2s'_g})$ is the weighting factor for laboratory i ;

s'_g is the grand standard deviation computed from the transformed (i.e. means-adjusted) results.

according to the formula

$$s'_g = \left[\frac{\sum_{i=1}^p \sum_{j=1}^{n_i} (x'_{ij} - \bar{x}'_i)^2}{\sum_{i=1}^p n_i - 1} \right]^{1/2}$$

where $\bar{x}'_i$ is the transformed mean for laboratory i

The weighting factors were applied to compensate for the considerable variation in analytical precision amongst participating laboratories. Hence, weighting factors for each data set have been constructed so as to be inversely proportional to the standard deviation of that data set. Outliers (shown in bold in Tables 4 and 5) were removed prior to the calculation of tolerance intervals and a weighting factor of zero was applied to those data sets where $s_l / 2s_g' > 1$ (i.e. where the weighting factor $1 - s_l / 2s_g' < 0$). It should be noted that estimates of tolerance by this method are considered conservative as a significant proportion of the observed variance, even in those laboratories exhibiting the best analytical precision, can presumably be attributed to measurement error.

ANOVA Study

The sampling format for OREAS 66a was structured to enable nested ANOVA treatment of the round robin results. During the bagging stage, immediately following final homogenization, twenty 1kg samples were taken at regular intervals representative of the entire batch of OREAS 66a. Each laboratory received paired samples from three different, non-adjacent 1kg samples. For example, the six samples that any one of the nineteen participating labs could have received are:

- Sample 1 (from sampling interval 4)
- Sample 2 (from sampling interval 11)
- Sample 3 (from sampling interval 17)
- Sample 4 (from sampling interval 4)
- Sample 5 (from sampling interval 11)
- Sample 6 (from sampling interval 17)

The purpose of the ANOVA investigation was to compare the within-unit variance with that of the between-unit variance. This approach permitted an assessment of homogeneity across the entire batch of OREAS 66a. The test was performed using the following parameters:

- Significance Level $\alpha = P$ (type I error) = 0.05
- Null Hypothesis, H_0 : Between-unit variance is no greater than within-unit variance (reject H_0 if p-value < 0.05)
- Alternative Hypothesis, H_1 : Between-unit variance is greater than within-unit variance

P-values are a measure of probability whereby values less than 0.05 indicate a greater than 95% probability that the observed differences in within-unit and between-unit variances are real. The dataset was filtered for both individual and laboratory outliers prior to the calculation of the p-value. This process derived p-values of 1.00 for gold, 0.99 for silver and 0.95 for copper and indicates no evidence that between-unit variance is greater than within-unit variance. Conclusion: do not reject H_0 . Note that ANOVA is not an absolute measure of homogeneity. Rather, it establishes that the metals are distributed in a similar manner throughout OREAS 66a and that the variance between two subsamples from the same unit is statistically indistinguishable to the variance from two subsamples taken from any two separate units.

Performance Gates

Performance gates provide an indication of a level of performance that might reasonably be expected from a laboratory being monitored by this CRM in a QA/QC program. They take into account errors attributable to measurement and CRM variability. For an effective CRM the contribution of the latter should be negligible in comparison to measurement errors. Sources of measurement error include inter-lab bias and analytical precision (repeatability). Two methods have been employed to calculate performance gates. The first method uses the same filtered data set used to determine the certified value, i.e. after removal of all individual,

lab dataset (batch) and 3SD outliers. These outliers can only be removed after the absolute homogeneity of the CRM has been independently established, i.e. the outliers must be confidently deemed to be analytical rather than arising from inhomogeneity of the CRM. The standard deviation is then calculated for each analyte from the pooled individual analyses generated from the certification program. Table 8 shows performance gates calculated for two and three standard deviations. As a guide these intervals may be regarded as warning or rejection for multiple 2SD outliers, or rejection for individual 3SD outliers in QC monitoring, although their precise application should be at the discretion of the QC manager concerned. A second method utilises a 5% window calculated directly from the certified value. Standard deviation is also shown in relative percent for one, two and three relative standard deviations (1RSD, 2RSD and 3RSD) to facilitate an appreciation of the magnitude of these numbers and a comparison with the 5% window. Caution should be exercised when concentration levels approach lower limits of detection of the analytical methods employed as performance gates calculated from standard deviations tend to be excessively wide whereas those determined by the 5% method are too narrow.

Table 8. Performance Gates for OREAS 66a

Constituent	Certified Value	Absolute Standard Deviations					Relative Standard Deviations			5% window	
		1SD	2SD Low	2SD High	3SD Low	3SD High	1RSD	2RSD	3RSD	Low	High
Au (ppm)	1.237	0.054	1.129	1.345	1.075	1.399	4.37%	8.74%	13.11%	1.175	1.299
Ag (ppm)	18.9	1.2	16.4	21.4	15.2	22.6	6.55%	13.10%	19.65%	17.9	19.8
Cu (ppm)	121	7	107	134	100	141	5.68%	11.36%	17.05%	115	127

Note: intervals may appear asymmetric due to rounding

PARTICIPATING LABORATORIES

Accurassay Laboratories, Thunder Bay, ON, Canada
 Acme Analytical Laboratories, Vancouver, BC, Canada
 Activation Laboratories, Ancaster, ON, Canada
 Amdel Laboratories, Adelaide, SA, Australia
 Alaska Assay Laboratories, Fairbanks, AK, United States of America
 ALS Chemex, Perth, WA, Australia
 ALS Chemex, Townsville, QLD, Australia
 ALS Chemex, La Serena, Chile, South America
 ALS Chemex, Sparks, Nevada, USA
 ALS Chemex, Val-d'or, Quebec, Canada
 ALS Chemex, Vancouver, BC, Canada
 Genalysis Laboratory Services, Perth, WA, Australia
 Intertek Testing Services, Jakarta, Indonesia
 OMAC Laboratories, Loughrea, County Galway, Ireland
 SGS Lakefield Research, Lakefield, ON, Canada
 SGS, Townsville, QLD, Australia
 SGS Australia, Perth, WA, Australia
 Ultra Trace, Perth, WA, Australia
 Zarazma Mineral Studies Company, Tehran, Iran

PREPARER AND SUPPLIER OF THE REFERENCE MATERIAL

Gold-silver-copper ore reference material OREAS 66a has been prepared and certified, and is supplied by:

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It is available in unit sizes of 60g foil packets and 1kg plastic jars.

INTENDED USE

OREAS 66a is a reference material intended for the following:

- i) for the monitoring of laboratory performance in the analysis of gold, silver and copper in geological samples;
- ii) for the calibration of instruments used in the determination of the concentration of gold, silver and copper;
- iii) for the verification of analytical methods for gold, silver and copper;
- iv) for the preparation of secondary reference materials of similar composition.

STABILITY AND STORAGE INSTRUCTIONS

OREAS 66a has been prepared from epithermal high sulphidation Au-Ag-Cu ore blended with barren basalt. The robust foil laminate film used in the 60g unit packaging is an effective barrier to oxygen and moisture and the sealed CRM is considered to have long-term stability under normal storage conditions.

INSTRUCTIONS FOR THE CORRECT USE OF THE REFERENCE MATERIAL

The certified values for OREAS 66a refer to the concentration level of gold, silver and copper in their packaged state. Therefore it should not be dried prior to weighing and analysis.

LEGAL NOTICE

Ore Research & Exploration Pty Ltd has prepared and statistically evaluated the property values of this reference material to the best of its ability. The Purchaser by receipt hereof releases and indemnifies Ore Research & Exploration Pty Ltd from and against all liability and costs arising from the use of this material and information.

CERTIFYING OFFICER

Craig Hamlyn (B.Sc. Hons.), Geology

REFERENCES

Ingamells, C. O. and Switzer, P. (1973), *Talanta* 20, 547-568.

ISO Guide 3207 (1975), Statistical interpretation of data - Determination of a statistical tolerance interval.

ISO Guide 35 (1985), Certification of reference materials - General and statistical principals.

ISO Guide 35 (2006), Reference materials- General and statistical principals for certification.

CERTIFICATE OF ANALYSIS FOR

Au-Cu-Mo-Ag-S ORE REFERENCE MATERIAL

OREAS 503

Table 1. Certified Values, SDs, 95% Confidence and Tolerance Limits for OREAS 503

Method / Constituent	Certified Value	1SD	95% Confidence Limits		95% Tolerance Limits	
			Low	High	Low	High
Fire Assay						
Gold, Au (ppm)	0.687	0.024	0.676	0.697	0.683*	0.690*
4-Acid Digestion						
Copper, Cu (wt.%)	0.566	0.015	0.558	0.573	0.554	0.577
Molybdenum, Mo (ppm)	390	18.9	381	399	379	400
Silver, Ag (ppm)	1.63	0.12	1.56	1.70	1.54	1.73
Sulphur, S (wt.%)	0.724	0.018	0.714	0.734	0.703	0.746
Aqua Regia Digestion						
Copper, Cu (wt.%)	0.563	0.013	0.557	0.570	0.552	0.575
Gold, Au (ppm)	0.658	0.046	0.624	0.692	0.629	0.687
Molybdenum, Mo (ppm)	382	19.2	373	391	375	388
Sulphur, S (wt.%)	0.716	0.035	0.698	0.735	0.703	0.730

*Tolerance Limits calculated from 20 x INAA analyses on 0.5g subsamples; Note: intervals may appear asymmetric due to rounding.

Table 2. Indicative values for major and trace elements in OREAS 503

Method / Constituent	Unit	Value	Method / Constituent	Unit	Value	Method / Constituent	Unit	Value
Borate Fusion XRF								
Al ₂ O ₃	wt.%	14.4	MgO	wt.%	2.8	SiO ₂	wt.%	60.0
CaO	wt.%	3.9	MnO	wt.%	0.08	TiO ₂	wt.%	0.74
Fe ₂ O ₃	wt.%	8.4	Na ₂ O	wt.%	2.9			
K ₂ O	wt.%	3.7	P ₂ O ₅	wt.%	0.24			
LOI	wt.%	1.8	S	wt.%	0.71			
Four Acid Digestion ICP-OES/MS								
Al	wt.%	8.0	Ho	ppm	0.8	Sm	ppm	5.0
As	ppm	22	In	ppm	0.4	Sn	ppm	7.2
Ba	ppm	896	K	wt.%	2.8	Sr	ppm	392
Be	ppm	2.7	La	ppm	25	Ta	ppm	0.9
Bi	ppm	2.6	Li	ppm	31	Tb	ppm	0.7
Ca	wt.%	2.9	Lu	ppm	0.3	Te	ppm	< 0.3
Cd	ppm	1.1	Mg	wt.%	1.8	Th	ppm	12
Ce	ppm	50	Mn	wt.%	0.06	Ti	wt.%	0.47
Co	ppm	14	Nb	ppm	15	Tl	ppm	0.7
Cr	ppm	87	Nd	ppm	25	Tm	ppm	0.4
Cs	ppm	8.6	Ni	ppm	53	U	ppm	3.4
Dy	ppm	4.1	P	wt.%	0.10	V	ppm	147
Er	ppm	2.4	Pb	ppm	20	W	ppm	3.1
Eu	ppm	1.3	Pr	ppm	6.7	Y	ppm	21
Fe	wt.%	6.1	Rb	ppm	120	Yb	ppm	2.2
Ga	ppm	22	Re	ppm	<0.1	Zn	ppm	97
Gd	ppm	5.4	Sb	ppm	0.7	Zr	ppm	79
Hf	ppm	2.2	Sc	ppm	15			
Hg	ppm	< 0.1	Se	ppm	4.7			
Aqua Regia Digestion ICP-OES/MS								
Ag	ppm	1.3	Hg	ppm	< 0.1	Se	ppm	5.0
Al	wt.%	2.0	K	wt.%	0.78	Sn	ppm	6.0
As	ppm	18	La	ppm	21	Sr	ppm	67
Ba	ppm	246	Li	ppm	27	Ta	ppm	< 0.4
Be	ppm	< 1	Mg	wt.%	1.3	Te	ppm	< 0.3
Bi	ppm	2.5	Mn	wt.%	0.04	Th	ppm	12
Ca	wt.%	1.3	Na	wt.%	0.17	Ti	wt.%	0.27
Cd	ppm	0.4	Nb	ppm	1.4	U	ppm	3.1
Ce	ppm	43	Ni	ppm	54	V	ppm	111
Co	ppm	15	P	wt.%	0.09	W	ppm	1.8
Cr	ppm	73	Pb	ppm	12	Y	ppm	13
Fe	wt.%	5.3	Rb	ppm	83	Zn	ppm	84
Ga	ppm	11	Sb	ppm	0.4	Zr	ppm	11
Hf	ppm	0.6	Sc	ppm	7.4			
Infra-red combustion furnace								
C	wt.%	0.24	S	wt.%	0.73			
Fire Assay								
Pd	ppb	5	Pt	ppb	4			

INTRODUCTION

OREAS reference materials are intended to provide a low cost method of evaluating and improving the quality of analysis of geological samples. To the geologist they provide a means of implementing quality control in analytical data sets generated in exploration from the grass roots level through to prospect evaluation, and in grade control at mining operations. To the analyst they provide an effective means of calibrating analytical equipment, assessing new techniques and routinely monitoring in-house procedures.

SOURCE MATERIALS

OREAS 503 is a porphyry Au-Cu-Mo-Ag-S CRM prepared from Au-Cu ore and waste rock samples from a porphyry copper-gold deposit located in central western New South Wales, Australia with the addition of a minor quantity of Mo concentrate.

Mineralisation in the region is hosted by a sequence of late Ordovician to Early Silurian volcanics, intrusives and sediments that occur within the Bogan Gate Synclinal Zone of the Lachlan Fold Belt. The western portion of this zone is dominated by volcanics and host to the Late Ordovician Goonumbra porphyry copper-gold deposits. These volcanics are interpreted to have erupted from shallow water to partly emergent volcanic centres and show a broad range in composition from shoshonite through to latite to trachyte. Coeval sub-volcanic quartz monzonite porphyries (and attendant mineralisation) have intruded the volcanics. They are generally small, sub-vertical, pipe-like intrusives. Typically the mineralised porphyries contain plagioclase and quartz phenocrysts in a matrix of fine-grained potassium feldspar and quartz with minor biotite and hornblende.

Copper-gold mineralisation occurs as stockwork quartz veins and disseminations associated with potassic alteration. This alteration is intimately associated spatially and temporally with the small finger-like quartz monzonite porphyries that intrude the Goonumbra Volcanics. Sulphides are zoned laterally from the centres of mineralisation. The central portions are bornite-rich with minor chalcopyrite, zoning outward through equal concentrations of bornite and chalcopyrite, to an outermost chalcopyrite-rich zone. Pyrite increases outward at the expense of bornite.

The approximate major and trace element composition of OREAS 503 is given in Table 2. These constituents are the means of data from one or two laboratories.

COMMINUTION AND HOMOGENISATION PROCEDURES

The material constituting OREAS 503 was prepared in the following manner:

- jaw crushing to minus 3mm;
- drying to constant mass at 105°C;
- multi-stage milling of ore and waste components to 100% minus 30 microns;
- combining in appropriate proportions to achieve target grades;
- homogenisation and bagging into 25kg sublots;
- packaging into 60g units in laminated foil pouches and 1kg units in plastic jars

ANALYTICAL PROGRAM

Twenty commercial analytical laboratories participated in the program to characterise the elements reported in Table 1. The following methods were employed:

- Fire assay with ICP-OES, AAS or solvent extraction AAS finish (19 laboratories)
- Four acid digestion with ICP-OES, ICP-MS or AAS finish (19 labs; 10 for Ag)
- Aqua regia digestion with ICP-OES, ICP-MS or AAS finish (19 laboratories)

For the round robin program twenty 1kg test units were taken at predetermined intervals during the bagging stage and are considered representative of the entire batch. The six samples received by each laboratory were obtained by taking two 110g scoop splits from each of three separate 1kg test units. This format enabled nested ANOVA treatment of the results to evaluate homogeneity.

Results, together with uncorrected means, medians, standard deviations, relative standard deviations and percent deviation of lab means from the corrected mean of means (PDM³) are presented in the detailed certification report for this CRM (Hamlyn, 2011).

STATISTICAL ANALYSIS

Certified Values, Standard Deviations, Confidence and Tolerance Limits have been determined for each analytical method following removal of individual and laboratory outliers (see Table 1). Certified Values are the mean of means after outlier filtering. The 95% Confidence Limit is a measure of the reliability of the certified value, i.e. the narrower the Confidence Interval the greater the certainty in the Certified Value. It should not be used as a control limit for laboratory performance. Indicative values (Table 2) are the means of data from one or two laboratories.

Standard Deviation values (1SDs) are reported in Table 1 and provide an indication of a level of performance that might reasonably be expected from a laboratory being monitored by this CRM in a QA/QC program. They take into account errors attributable to measurement uncertainty and CRM variability. For an effective CRM the contribution of the latter should be negligible in comparison to measurement errors. The Standard Deviation values include all sources of measurement uncertainty: between-lab variance, within-run variance (precision errors) and CRM variability. The SD for each analyte's certified value is calculated from the same filtered data set used to determine the certified value, i.e. after removal of all individual, lab dataset (batch) and 3SD outliers (single iteration). These outliers can only be removed after the absolute homogeneity of the CRM has been independently established, i.e. the outliers must be confidently deemed to be analytical rather than arising from inhomogeneity of the CRM. The standard deviation is then calculated for each analyte from the pooled accepted analyses generated from the certification program.

Performance Gates (Table 3) are calculated for two and three standard deviations. As a guide these intervals may be regarded as warning or rejection for multiple 2SD outliers, or rejection for individual 3SD outliers in QC monitoring, although their precise application should be at the discretion of the QC manager concerned. A second method utilises a 5% window calculated directly from the certified value. Standard deviation is also shown in relative percent for one, two and three relative standard deviations (1RSD, 2RSD and

3RSD) to facilitate an appreciation of the magnitude of these numbers and a comparison with the 5% window. Caution should be exercised when concentration levels approach lower limits of detection of the analytical methods employed as performance gates calculated from standard deviations tend to be excessively wide whereas those determined by the 5% method are too narrow.

Table 3. Performance Gates for OREAS 503

Constituent	Certified Value	Absolute Standard Deviations					Relative Standard Deviations			5% window	
		1SD	2SD Low	2SD High	3SD Low	3SD High	1RSD	2RSD	3RSD	Low	High
Fire Assay											
Au, ppm	0.687	0.024	0.638	0.735	0.614	0.760	3.54%	7.09%	10.63%	0.652	0.721
Four Acid Digestion											
Cu, wt.%	0.566	0.015	0.536	0.596	0.521	0.611	2.65%	5.30%	7.95%	0.537	0.594
Mo, ppm	390	18.9	352	427	333	446	4.84%	9.69%	14.53%	370	409
Ag, ppm	1.63	0.12	1.38	1.88	1.26	2.01	7.62%	15.25%	22.87%	1.55	1.71
S, wt.%	0.724	0.018	0.687	0.761	0.669	0.779	2.54%	5.08%	7.62%	0.688	0.760
Aqua Regia Digestion											
Cu, wt.%	0.563	0.013	0.537	0.590	0.523	0.604	2.38%	4.76%	7.15%	0.535	0.592
Au, ppm	0.658	0.046	0.565	0.751	0.519	0.797	7.06%	14.11%	21.17%	0.625	0.691
Mo, ppm	382	19.2	343	420	324	439	5.02%	10.05%	15.07%	363	401
S, wt.%	0.716	0.035	0.645	0.787	0.610	0.822	4.94%	9.88%	14.82%	0.680	0.752

Note: intervals may appear asymmetric due to rounding

Tolerance Limits (ISO Guide 3207) for copper, molybdenum, silver and sulphur were determined using an analysis of precision errors method and are considered a conservative estimate of true homogeneity. For gold the tolerance has been determined by INAA using the reduced analytical subsample method which utilises the known relationship between standard deviation and analytical subsample weight (Ingamells and Switzer, 1973). In this approach the latter parameter is substantially reduced to a point where most of the variability in replicate assays is due to inhomogeneity of the reference material and measurement error becomes negligible. In this instance a subsample weight of 0.5 grams was employed and the 1RSD of 1.22% (or 0.502% at a 30g charge weight) confirms the high level of gold homogeneity in OREAS 501.

The meaning of tolerance limits may be illustrated for copper by four acid digest, where 99% of the time ($1-\alpha=0.99$) at least 95% of subsamples ($p=0.95$) will have concentrations lying between 0.554 and 0.577 wt.%. Put more precisely, this means that if the same number of subsamples were taken and analysed in the same manner repeatedly, 99% of the tolerance intervals so constructed would cover at least 95% of the total population, and 1% of the tolerance intervals would cover less than 95% of the total population (ISO Guide 35).

The homogeneity of OREAS 503 has also been evaluated in an ANOVA study for all certified analytes. This study indicates no evidence that between-unit variance is greater than within-unit variance. Based on the statistical analysis of the results of the interlaboratory certification program it can be concluded that OREAS 503 is fit-for-purpose as a certified reference material (see 'Intended Use' below).

Tabulated results of all elements (including Au INAA analyses) together with analytical method codes, uncorrected means, medians, standard deviations, relative standard deviations and percent deviation of lab means from the corrected mean of means (PDM³) are presented in the detailed certification data for this CRM (**Datapack for OREAS 503.xlsx**).

PARTICIPATING LABORATORIES

Acme Analytical Laboratories SA, Santiago, Chile
Acme Analytical Laboratories, Vancouver, BC, Canada
Accurassay, Thunder Bay, Ontario, Canada
Activation Laboratories, Ancaster, Ontario, Canada
Alaska Assay Laboratories, Fairbanks, Alaska
ALS, Brisbane, QLD, Australia
ALS, La Serena, Coquimbo, Chile
ALS, Perth, WA, Australia
ALS, Val-d'Or, Quebec, Canada
ALS, Vancouver, BC, Canada
BV Amdel, Adelaide, SA, Australia
BV Ultra Trace, Perth, WA, Australia
Intertek Genalysis, Perth, WA, Australia
Intertek Testing Services, Jakarta, Indonesia
McPhar Geoservices (Phil) Inc., Manila, Philippines
OMAC Laboratories, Loughrea, County Galway, Ireland
SGS Mineral Services, Lakefield, Ontario, Canada
SGS Mineral Services, Perth, WA, Australia
SGS Mineral Services, Santiago, Chile
SGS Mineral Services, Toronto, Ontario, Canada

PREPARER AND SUPPLIER OF THE REFERENCE MATERIAL

Porphyry Au-Cu-Mo-Ag-S reference material OREAS 503 has been prepared, certified and is supplied by:

ORE Research & Exploration Pty Ltd
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Bayswater North VIC 3153
AUSTRALIA

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OREAS 503 has been packaged in unit sizes of 60g (single-use laminated foil pouches) and is available in 1kg units in plastic jars upon request.

INTENDED USE

OREAS 503 is intended for the following uses:

- for the monitoring of laboratory performance in the analysis of gold, copper, molybdenum, silver and sulphur in geological samples
- for the verification of analytical methods for gold, copper, molybdenum, silver and sulphur
- for the calibration of instruments used in the determination of the concentration of gold, copper, molybdenum, silver and sulphur

STABILITY AND STORAGE INSTRUCTIONS

OREAS 503 has been sourced from samples of Au-Cu ore and waste rock samples from a porphyry copper-gold deposit. In its unopened state and under normal conditions of storage it has a shelf life beyond ten years. Its stability will be monitored at regular intervals and purchasers notified if any changes are observed.

INSTRUCTIONS FOR THE CORRECT USE OF THE REFERENCE MATERIAL

The certified values refer to the concentration level of analytes in their packaged state. The CRM should therefore not be dried prior to weighing and analysis.

HANDLING INSTRUCTIONS

Fine powders pose a risk to eyes and lungs and therefore standard precautions such as the use of safety glasses and dust masks are advised.

LEGAL NOTICE

Ore Research & Exploration Pty Ltd has prepared and statistically evaluated the property values of this reference material to the best of its ability. The Purchaser by receipt hereof releases and indemnifies Ore Research & Exploration Pty Ltd from and against all liability and costs arising from the use of this material and information.

CERTIFYING OFFICER

Craig Hamlyn (B.Sc. Hons - Geology), Technical Manager - **ORE**

REFERENCES

Ingamells, C. O. and Switzer, P. (1973), Talanta 20, 547-568.
 ISO Guide 35 (2006), Certification of reference materials - General and statistical principals.
 ISO Guide 3207 (1975), Statistical interpretation of data - Determination of a statistical tolerance interval.