

**Surface Work Performed from
September 4 to December 15, 2011**

**On the
Glitter Property
Glitter 1 to 84 (YB93898 to YB93981)**

**Finlayson Lake Area, Yukon
Watson Lake Mining District
NTS Sheet 105G08 (Wolverine Lake)
61°20'N. Lat., 130°19'W. Long.**

Y.M.I.P. No. 11-049

**Operated by:
Mark Fekete and Karl Ziehe**

**By
Mark Fekete, P.Geo.
and
Neda Dokic, B.Sc., GIT
December 15, 2011**

Summary

In September 2011 Breakaway Exploration Management Inc. completed a surface exploration program on the 84-claim (1,739 ha) Glitter property located in the Pelly Mountains in the headwaters of the Liard River, some 130km southeast of the community of Ross River, Yukon. The work consisted of a deep auger-type soil geochemical grid survey. The goal of the work was to evaluate the Glitter property for its gold potential by re-sampling areas that returned anomalously high arsenic and antimony values from soil samples collected by previous workers in 2004. The work was partially fund by the Yukon Mining Incentives Program Y.M.I.P. No. 11-049.

The Glitter property is held 50% by Mark Fekete, of Val d'Or, Quebec and 50% by Karl Ziehe of Whitehorse, Yukon. The Property is located in an isolated part of the Yukon with no local resources or infrastructure. Fuel, supplies and equipment can be trucked from Whitehorse to Finlayson Lake and flown in to the Property from there.

Very little exploration work aimed specifically at gold mineralization is documented on the Property. A geochemical surface exploration program was completed on the Property in 2004. This work included geological mapping, prospecting and grid soil geochemical surveys focused on emerald mineralization. No analyses for gold were done although a linear arsenic and antimony trend was outlined.

The Property lies within the Yukon-Tanana Terrane, approximately 27km northeast of the Tintina Fault. The Yukon-Tanana Terrane is composed of complexly deformed, greenschist to lower amphibolite facies metamorphic rocks of Paleozoic age. The Yukon-Tanana Terrane consists of several successions of complexly deformed Late Proterozoic to Late Permian sedimentary and volcanic rocks 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 213-sample deep auger-type geochemical survey grid was completed midway down the western side of the Property. The soil samples were collected with hand augers at 50m sample intervals along GPS traverse lines spaced 100m apart. The samples were analyzed for 36 elements including gold.

The soil samples returned gold values ranging from below the detection limit (i.e. <5ppb Au) to a maximum of 31.5ppb Au and are not considered significant. No gold trends were identified. The linear coincident arsenic and antimony trend identified in 2004 does not appear to be related to gold mineralization. No further work is recommended.

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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 Glitter property on numerous occasions including most recently in August 2011;
3. I co-wrote and I am, as the senior author and qualified person, responsible for the contents of this technical report entitled "Surface Work Performed from September 4 to December 15, 2011 on the Glitter Property, Watson Lake Mining District, Yukon, NTS Sheet 105G08 (Wolverine Lake), 61°20'N. Lat., 130°19'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 hold a 50% direct interest in the Glitter property as a result of my prior involvement with the property; and
6. I have read, and this report has not been prepared for the purposes, nor in full compliance with, National Instrument 43-10,1 and according to Form 43-101F1.

Respectfully submitted this 15th day of December 2011,

(s) "**Mark Fekete**"

Mark Fekete, P.Geo.

Certificate of Qualifications

I, Neda Dokic, having my place of residence at 60 Stope Way in Whitehorse in the Territory of the Yukon 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 not visited the Glitter property;
3. I co-wrote this technical report entitled “Surface Work Performed from September 4 to December 15, 2011 on the Glitter Property, Watson Lake Mining District, Yukon, NTS Sheet 105G08 (Wolverine Lake), 61°20’N. Lat., 130°19’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 hold no direct interest in the Glitter property as a result of my prior involvement with the property;
and
6. I have read, and this report has not been prepared for the purposes, nor in full compliance with, National Instrument 43-10,1 and according to Form 43-101F1.

Respectfully submitted this 15th day of December 2011,

(s) “*Neda Dokic*”

Neda Dokic, GIT.

1. Introduction and Terms of Reference

Breakaway Exploration Management Inc. (“Breakaway”) wrote a technical report (the “Report”) describing the surface exploration work carried out on the Glitter property (“Glitter” or the “Property”) in Yukon in 2011. The Report describes a deep auger-type soil geochemical sampling survey.

The goal of the work was to re-evaluate the Glitter property for its gold potential by re-sampling areas of that returned anomalously high arsenic and antimony values from soil samples collected by previous workers in 2004.

The Report is based primarily on the results of the work completed by Breakaway on Glitter in 2011 but also contains information obtained from a review of relevant reports and maps cited throughout the Report. The Report was prepared by Geologist in Training Neda Dokic (the “Junior Author”) under the supervision of Professional Geologist Mark Fekete (the “Senior Author”). The Senior Author has visited and personally inspected the Property on numerous occasions. The Senior Author is the designated “qualified person” as defined in Section 1.2 in and for the purposes of National Instrument 43-101. The main purpose of the Report is to complete statutory assessment work filings required under the Yukon Quartz Mining Act. The work was partially funded by the Yukon Mining Incentives Program (“YMIP”) grant No. 11-049 and was prepared as a final requirement of YMIP. It is not intended to and does not fully comply with National Instrument 43-101. The Report contains specific recommendations and proposes a budget for further work.

The metric system is used for all units of measure mentioned in the Report and all dollar amounts are in Canadian funds unless otherwise stated. All figures presented in the Report are plotted in map projection UTM NAD 83, Zone 7 unless otherwise stated.

2. Reliance on Other Experts

The Authors may have relied on technical data and interpretations found in various sources cited throughout the report. The Authors may not have verified this information and take no responsibility for its accuracy or completeness. Reference to the compliance or non-compliance with NI 43-101 standards of historical information and data referred to in this Report are made where appropriate. The Authors do not offer any opinion concerning legal, title, environmental, political or other non-technical issues that may be relevant to the Report. The Report may contain links to several web-sites. The Authors take no responsibility for the functionality or content of these websites.

3. Location and Property Description

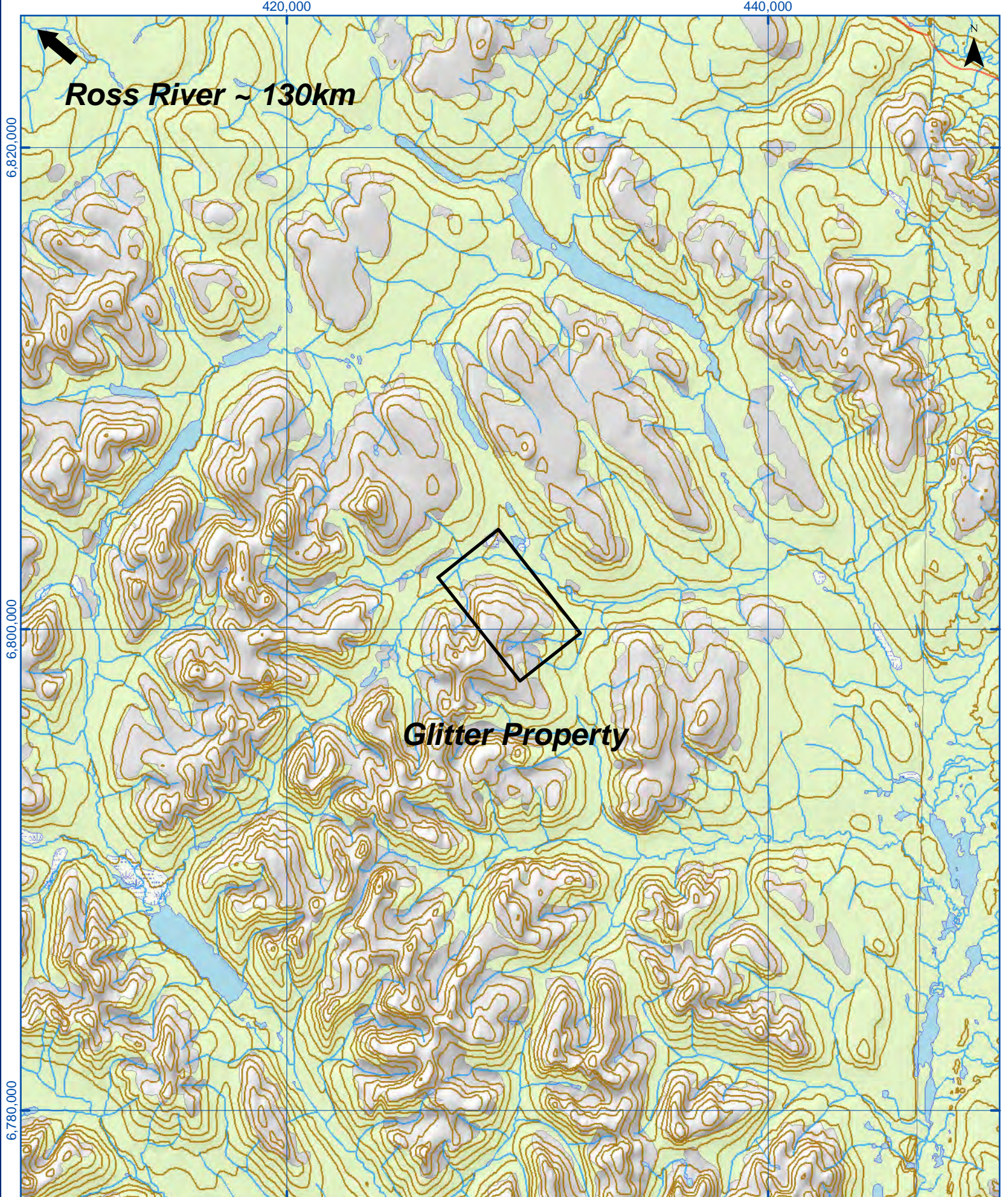
The Property covers an approximate area of 1,739 hectares within the Finlayson Lake Area of Yukon. It is located about 37km southwest of the junction of the Robert Campbell highway and the limited access Kudze Kayah road (Figure 1). The approximate center of the Property is described by 61°20’ North Latitude and 130°19’ West Longitude on N.T.S. Sheet 105G08 (Wolverine Lake). The Property includes 84 contiguous, un-surveyed mineral titles (Figure 2) more fully described in Table 1 below.

Table 1 - List of Claims

Claim Name No.	Tag No.	Expiry Date	#
Glitter 1 to 84	YB93898 to YB93981	26-Mar-12	84

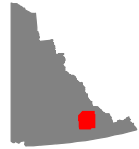
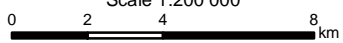
84

The Property is held 50% by Mark Fekete of Val d’Or, Quebec and 50% by Karl Zehie of Whitehorse, Yukon. The claims are currently recorded to Glacier Gems Inc.

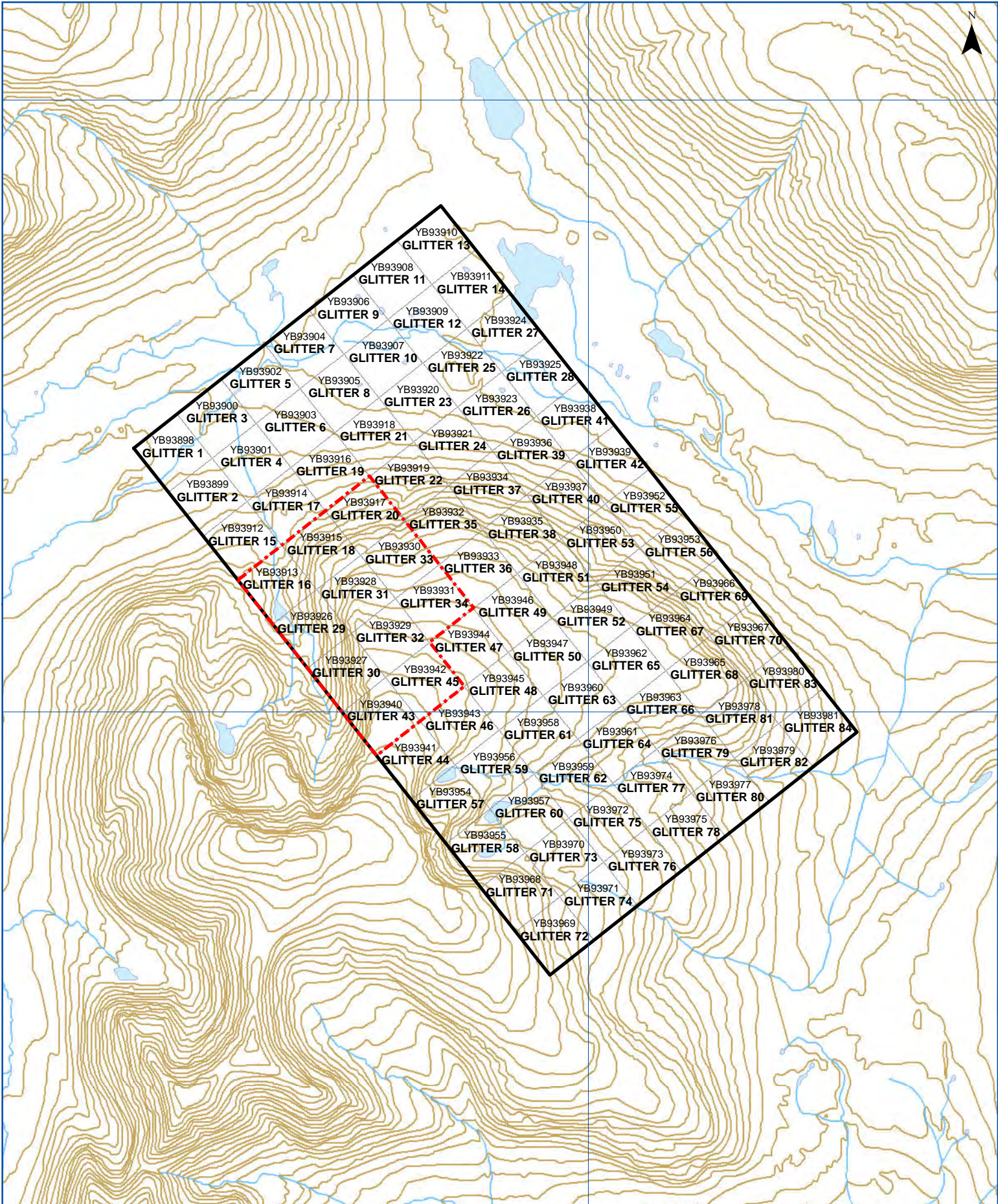



GLITTER PROPERTY
Figure 1. GENERAL LOCATION

Universal Transverse Mercator Zone 9
World Geodetic System 1984
Scale 1:200 000



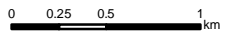
Glitter Property
Figure 1. General Location
Breakaway Exploration Mgmt.
NTS Sheet: 105G & 105H
Date: November 28, 2011



 Area of Work

GLITTER PROPERTY Figure 2. CLAIM MAP

Universal Transverse Mercator Zone 9
World Geodetic System 1984
Scale 1:40 000



Glitter Property
Figure 2. Claim Map
Breakaway Exploration Mgmt.
NTS Sheet: 105G/08
Date: November 28, 2011

The mineral claims included in the Property were acquired under the Yukon Quartz Mining Act which grants only the hard rock mineral rights to the claim holder. The surface rights for the area of the Property are held by the Crown. To maintain the claims in good standing, a minimum of \$100 assessment work per claim must be completed annually. There are provisions to apply for more than one year work at a time up to a maximum of five years, to apply work from one claim to other adjoining claims (grouping) up to a maximum of 750 contiguous claims and to pay cash in lieu of work up to a maximum of five years. The Quartz Mining Land Use Regulations consist of a classification system based on varying levels of specific activities. These threshold levels categorize exploration activities into four classes of operation. Classes 1 through 4 represent activities with increasing potential to cause adverse environmental impacts.

Activities within a Class 1 program are defined as “grassroots” exploration with low potential to cause adverse environmental effects, and where activities and reclamation are completed within a year. A Class 1 program does not require government approval but the operator must comply with the certain operating conditions. An assessment under the Yukon Environmental and Socio Economic Assessment Act (“YESAA”) is not required for a Class 1 program.

Class 2 programs are considered to represent the upper level of “grassroots” exploration activities. A notification submitted through the Mining Lands Office which outlines the activities and how they will be reclaimed is required. These programs comprise activities that have a moderate potential to cause adverse environmental effects and therefore require an assessment through YESAA. All work and reclamation must be completed within one year.

All Class 3 and Class 4 programs require submission of a detailed “Operating Plan” to the Mining Lands Office. A YESAA assessment is required. The Operating Plan must be approved before any exploration activities can be undertaken. Operating Plans may entail multi-year exploration programs to allow greater flexibility for the operator.

The work described in this Report was completed as a Class 1 Program.

4. Accessibility, Local Resources, Infrastructure, Physiography and Climate

Access to the Property is restricted due to a lack of usable roads on or adjacent to the Property. The primary means of access is by helicopter. Crews are generally drive 545km from Whitehorse to Finlayson Lake and then fly to the Property by helicopter.

The Glitter property is located in an isolated part of Yukon with relatively few local resources or infrastructure. The Property can be worked from Finlayson Lake by helicopter or from an exploration camp set up on or near the Property. A camp can be supported from the community of Watson Lake, where services are limited, or from Whitehorse where a full range of services are available including line-cutting, geophysics, drilling, assaying, aircraft charters etc.

The Property lies within the Pelly Mountains in the headwaters of the Liard River. Elevations on the Property range between 1280m and 1820m. Topography is relatively subdued. The Property occupies a broad northeast facing alpine area with gentle to moderate hillsides (typically 15 to 30°). Ice sheets covered the entire Pelly Mountain area during the Pleistocene and alpine glacial features such as cirques and tarn lakes are common. The Property is mostly above tree line. Vegetation is limited to scattered willow and brush at lower elevations giving way to grass and lichen covered rocks at higher elevations.

The Pelly Mountains are characterized by a very cold, long winters, truncated fall and spring seasons and short, cool and often wet summers. Due to the northerly latitude of the region, summer days are long and winter days very short. The best season for exploration is during the summer months from mid-May to mid-October. Although it is possible to work during the winter months, costs rise exponentially due to cold temperatures, inclement weather and short daylight hours.

5. Exploration History

The following exploration history of the Property has been compiled from the Yukon Energy and Mines and Resources Library and Yukon Geological Survey MINFILE database. There has been limited exploration work on the Property. Table 2 below lists all known assessment reports that describe work done adjacent to and within the boundaries of the present Property in whole or in part.

Table 2 - Previous Assessment Work Files

Company	Year	AFR No.	Author	Work	Link
Archer, Cathro & Assoc.(1981) Ltd.	2005	094532	W.A. Wengzynowski	Soil geochem	094532.pdf

The Finlayson Lake area has seen sporadic exploration since the 1960's for a number of deposit types, notably volcanic massive sulphides (VMS), tungsten skarn and asbestos. The work was mainly regional until 1994 when the Kudze Kayah VMS deposit was discovered. This led to a staking rush and subsequent VMS discoveries including Wolverine, Ice and Fyre Lake, as well as Tsa da Gliza emerald discovery.

In 2003, the Glitter claims were staked by Glacier Gems Inc. and subsequently optioned to True North Gems Inc. No exploration work is documented on the Property area prior to this staking. True North Gems was focused on emerald exploration and obtained the Glitter property based on its emerald potential. In 2004, Archer, Cathro and Associates (1981) Ltd. carried out a geochemical surface exploration program on behalf of True North (Wengzynowski, 2005). This exploration program included geological mapping, prospecting and grid soil geochemical surveys followed by prospecting in areas of anomalous beryllium, chromium and tungsten. Soil samples were collected from two grids in the western and northern parts of the Property. The elements of primary consideration were beryllium, chromium, tin, and tungsten and anomalous beryllium was identified as random spot anomalies. No analyses for gold were done. A distinct coincident arsenic and antimony anomaly was outlined. Although arsenic and antimony are often good pathfinder elements for gold mineralization, no follow up work was completed on the coincident anomaly because gold was not the primary target of the 2004 exploration work.

6. Regional Geology

The Property lies within the Yukon-Tanana Terrane, approximately 27km northeast of the Tintina Fault (Figure 3). This regional scale, transcurrent fault is a result of roughly 420km to 460km of dextral offset in the Early Tertiary and extends across the Yukon and into Alaska (Mortensen, et al, 2000). The Yukon-Tanana Terrane is composed of complexly deformed, greenschist to lower amphibolite facies metamorphic rocks of Paleozoic age (Tempelman-Kluit, 1977). The 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 Cretaceous to Lower Cretaceous.

Rocks of the Yukon-Tanana represent an island arc assemblage that was subjected to numerous prolonged deformation events during the Late Paleozoic (Mortensen, 1992) including subduction and accretion that altered the rocks to greenschist to lower amphibolite metamorphic facies, and led to significant structural thickening. Imbricated allochthonous terranes such as Slide Mountain Terrane are evidenced by altered untramafic packages. A second stage of deformation occurred in the Early Cretaceous prior to the emplacement of peraluminous granitic intrusions belonging to the ~112Ma Anvil Plutonic Suite (Mortensen, 1999). Figure 3 illustrates the regional geology in the vicinity of the claim block as compiled by Murphy and Colpron (2001).

7. Property Geology

The geology of the Glitter property is well described by Wengzynowski (2005) as being underlain primarily by felsic to intermediate metavolcanics and metasedimentary rock of the Grass Lakes Succession (Figure 4). These rocks contain well developed foliation which generally trends northwest and dips gently to moderately northeast.

Rocks of unit DK consist of competent cliff-forming quartzite, muscovite-biotite-quartz-feldspar augen schist and less felsic and intermediate muscovite-biotite schist. The DF unit consists of massive, finely laminated chlorite plagioclase schist. It is exposed as thin lenses in the western part of the Property. Rocks of the Dq unit occupy a large area in the lower regions of the Property and they are comprised of quartzite, biotite-plagioclase schist metapelitic schist and phyllite. These units are largely interfingered and the majority of them show moderate to gently dipping slopes within the claim block.

Intrusive rocks occur mainly in the eastern and northwestern portion of the Property where biotite-muscovite granite stocks were previously mapped by Murphy, et al., (2003). They consist of weakly to non-foliated, medium to fine grained biotite-muscovite granite. Fine grained muscovite leucogranite occurs as dykes up to 50m wide near the margins of the pluton. Structures peripheral to the pluton consist mostly of sheeted pegmatite and aplite sills including minor sheeted quartz veins. The pegmatites range from 30cm to three meters true thickness and contain abundant feldspar and silver white mica plus trace amounts of stubby black tourmaline and red garnet. Quartz veins are less common but where observed, they often contain tourmaline either along the selvages or within the vein. Moderate concentrations of quartz tourmaline veining and tourmaline bloom are observed throughout the Talus Zone in the north central part of the Property. Vein material is generally less than 25cm wide. Two small isolated exposures of brown weathering serpentinized ultramafic rocks were documented in the southeastern and northwestern parts of the Property.

8. Deposit Types

Historically there has been a continued exploration effort in the Finlayson area directed at VMS-type deposits which led to the discovery of the Kudze Kayah and Wolverine deposits. Furthermore, more recent work has been directed at tungsten skarn-type deposits and emeralds. Very little documented exploration was aimed specifically at gold mineralization. Interestingly, the Finlayson area is underlain by Yukon-Tanana rocks which are very similar if not identical to those of the White Gold area south of Dawson City where recent discoveries of the Saddle and Arc zones on Kinross' White Gold property and the Supremo discovery on Kaminak's Coffee property have opened up a new exploration camp.

The exploration effort at Glitter is not adhering to any firm deposit model due to the lack of previous gold exploration but is instead based on practical survey methods that generate drill targets. Because the area has been glaciated, soil sampling projects must focus on sampling shallow lithosoils and avoid glacial deposits that may return a scattered array transported gold results.

9. Mineralization

Gold mineralization is not well understood on the Property due to a lack of gold exploration in the past. Wengzynowski (2005) described numerous pegmatite and aplite sills often with quartz segregations and black tourmaline crystals, rusty weathering mica and patchy tourmaline bearing hydrothermal alteration and quartz tourmaline lenses.

10. 2011 Exploration Work

10.1. Introduction

The 2011 exploration work consisted of a soil geochemical survey grid midway down the western side of the Property. The four man crew flew by helicopter from Dawson City to the Finlayson Lake area on September 4. The crew stayed at Inconnu Lodge on McEvoy Lake located approximately 50km north of the Property. On September 5 and 6, the crew flew by helicopter to the Property. The helicopter was provided by Heli-Dynamics Ltd. Analytical work was done from September 10 to November 27, 2011. A detailed Statement of Work is included herein as Appendix A. The Junior Author compiled the field data into digital maps and wrote this Report up to December 15, 2011.

420,000

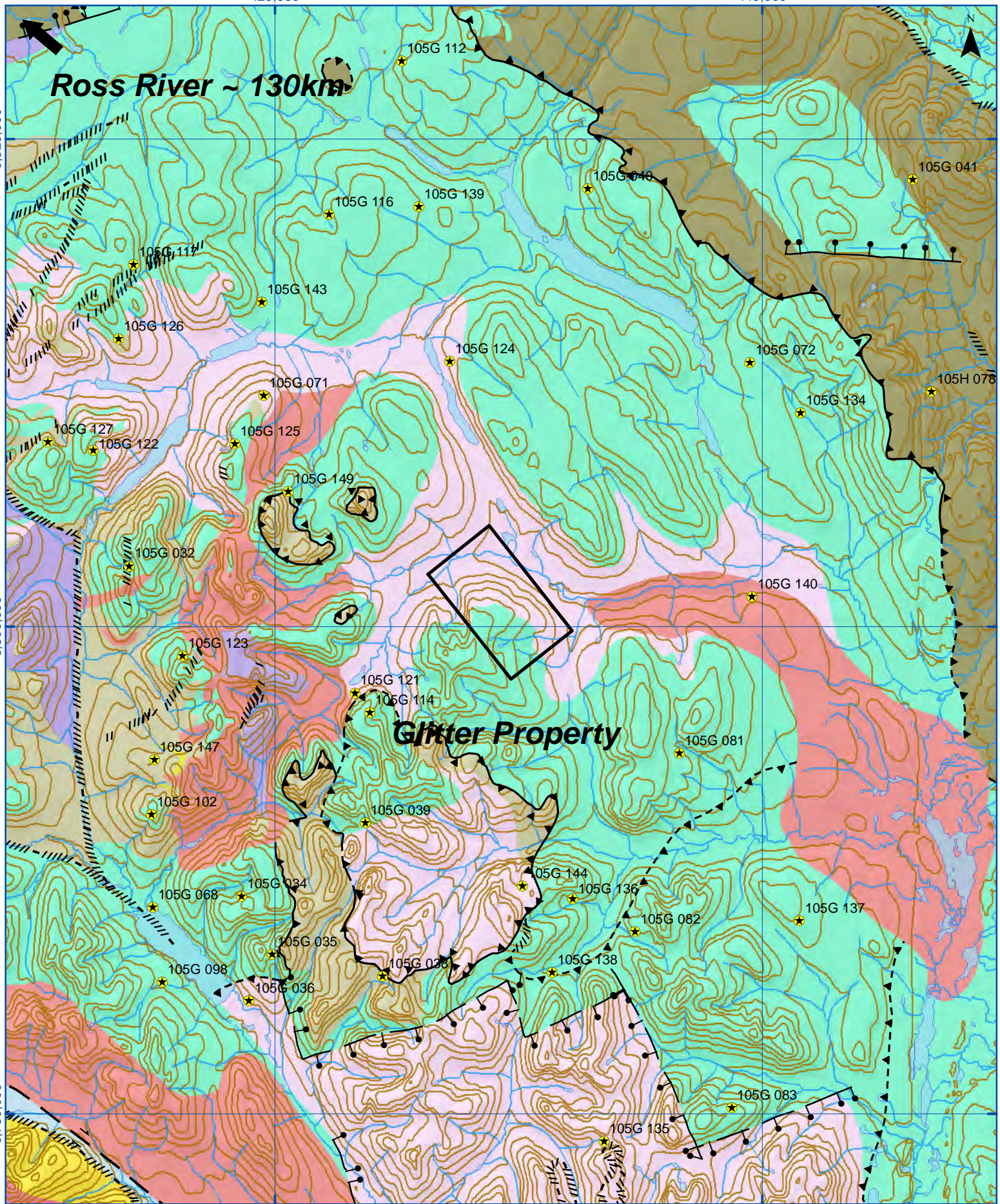
440,000

Ross River ~ 130km

6,820,000

6,800,000

6,780,000

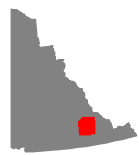


★ Mineral Occurrence

GLITTER PROPERTY Figure 3. REGIONAL GEOLOGY

Universal Transverse Mercator Zone 9
World Geodetic System 1984
Scale 1:200 000

0 2 4 8 km



Glitter Property
Figure 3. Regional Geology
Breakaway Exploration Mgmt.
NTS Sheet: 105G & 105H
Date: November 28, 2011

MID-CRETACEOUS



mKS
Selwyn Suite

TRIASSIC



ITR
Ross

CARBONIFEROUS AND PERMIAN



CPA
Anvil

LATE DEVONIAN TO MISSISSIPPIAN



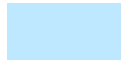
DMPE
Pelly Gneiss Suite - Northeast

DEVONIAN, MISSISSIPPIAN AND(?) OLDER



DMN
Nasina

CAMBRIAN TO DEVONIAN OR YOUNGER



CDS
St. Cyr

LOWER CAMBRIAN



ICR
Rosella

LATE PROTEROZOIC AND PALEOZOIC



PPN
Nisling

PROTEROZOIC AND PALEOZOIC

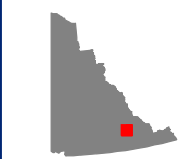
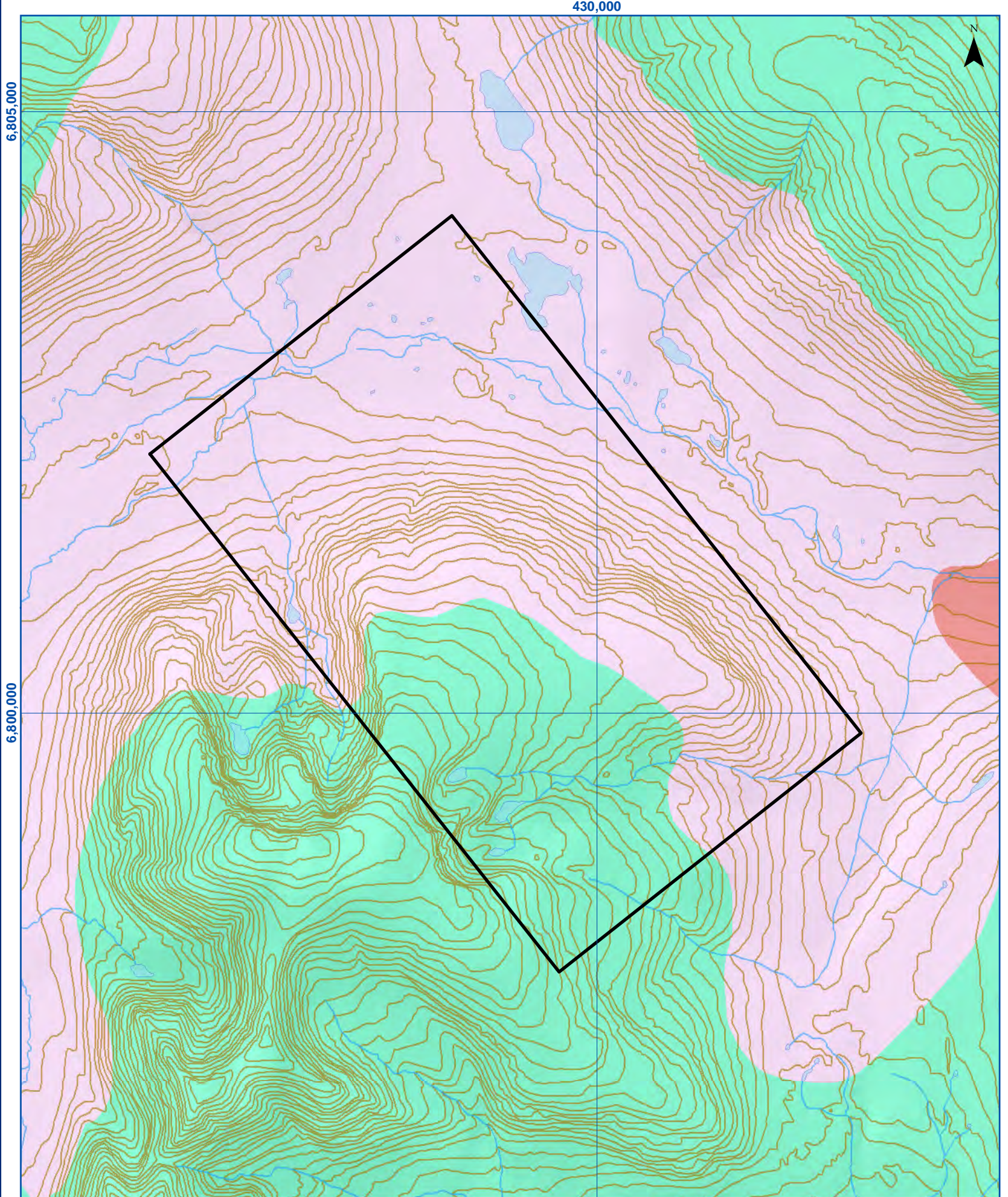


PPa
Amphibloite

SYMBOLS

	Fault, sense of movement uncertain (defined, approximate, assumed, extrapolated)
	Fault, dextral (defined, approximate, assumed, extrapolated)
	Fault, sinistral (defined, extrapolated)
	Fault, thrust, upright (defined, approximate, assumed, extrapolated)
	Fault, thrust, overturned (defined, approximate, assumed, extrapolated)
	Fault, normal/reverse (defined, approximate, assumed, extrapolated)

Figure 3 continued. Legend for Regional Geology



★ Mineral Occurrence

GLITTER PROPERTY Figure 4. PROPERTY GEOLOGY

Universal Transverse Mercator Zone 9
World Geodetic System 1984
Scale 1:40 000



Glitter Property
Figure 4. Property Geology
Breakaway Exploration Mgmt.
NTS Sheet: 105G/08
Date: November 28, 2011

10.2. Sampling and Analytical Procedures

A total of 213 soil samples, including field duplicates, were collected with hand augers at 50m sample intervals on lines spaced 100m apart using GPS traverse lines. This sampling array was chosen to produce a detailed grid over the linear arsenic and antimony anomaly identified by a soil sampling program completed by Archer, Cathro and Associates (1981) Ltd. in 2004 (Wengzynowski, 2005).

Sample locations were tagged in the field and recorded with HP iPAQ 200 series field computers running GeoInfoMobile and Tierra Mapper software paired with Holux GPS receivers in map datum UTM WGS 84 Zone 9. Sample locations (Figure 5) and descriptions are included as Appendix B. A data CD is also included. Soil sample material varied from clay to sand with some humus samples. Sample depth varied from 10 to 90cm with an average depth of 40cm.

Soil samples were placed in Kraft-type paper bags with the appropriate sample numbers marked in indelible ink. Batches of samples were subsequently dried, sealed in rice bags and shipped to Acme Analytical Laboratories Ltd. (“Acme”) in Vancouver, B.C. for analysis. Samples were dried and sieved to - 80 mesh size and analyzed for 36 elements (including gold) by 15 gram Aqua Regia digestion, ICP-MS finish (Appendix C). Acme is accredited under ISO 9001.

10.3. Data Verification

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

10.4. Results

The soil samples returned gold values ranging from below the detection limit (i.e. <5ppb Au) to a maximum of 31.5ppb Au. Only four samples returned gold values greater than 10ppb Au. These isolated results are generally poor and do not identify any gold-in-soil trends (Figure 6).

11. Adjacent Properties

No gold deposits are known to exist on the properties immediately adjacent to the Property. Very little exploration aimed at gold mineralization is documented in the area. Located approximately 18km to the northwest is the known deposit of Kudz Ze Kayah and approximately 13km to the northeast is the Wolverine deposit. When the Kudz Ze Kayah and Wolverine deposits are combined, total indicated reserves for both open pit and underground operations currently stand at 13,720,000 tonnes, grading 6.0% Zn, 1.61% Pb, 0.90% Cu, 139.2g/t Ag and 1.38g/t Au (Minfile 105G 117).

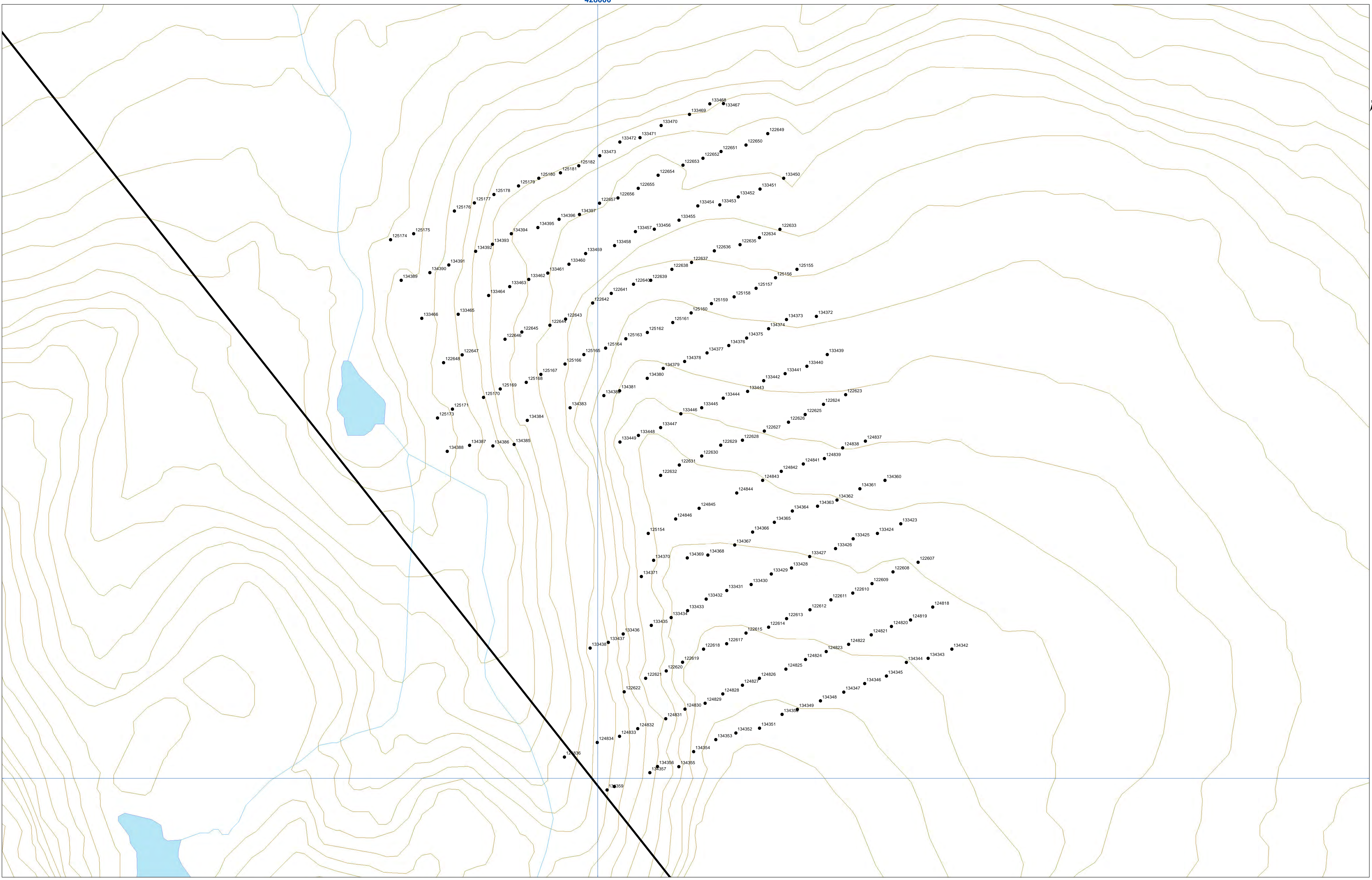
The Authors have not verified the information made public on these adjacent properties and cautions that **any such information is not necessarily indicative of the mineralization on the Glitter property.** However, this information does indicate that the White Gold district is an underexplored area that has solid potential for hosting significant gold deposits.

12. Mineral Processing and Metallurgical Testing

To date no mineral processing or metallurgical testing has been completed at Glitter.

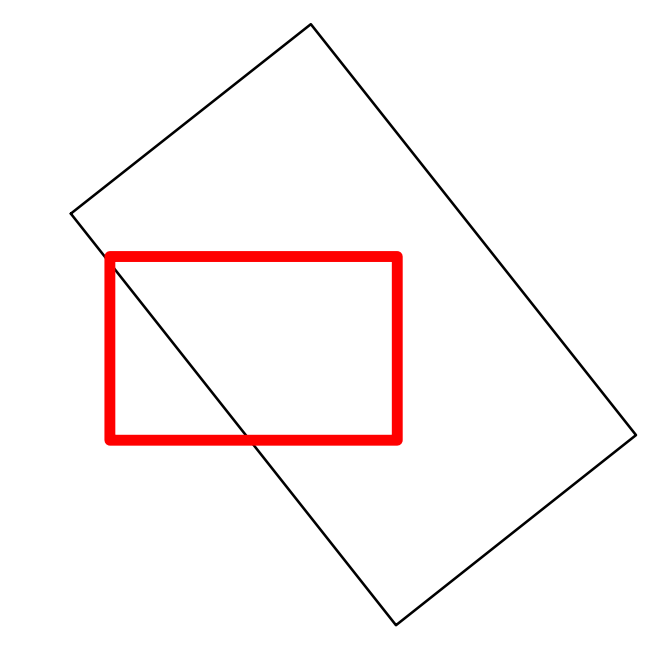
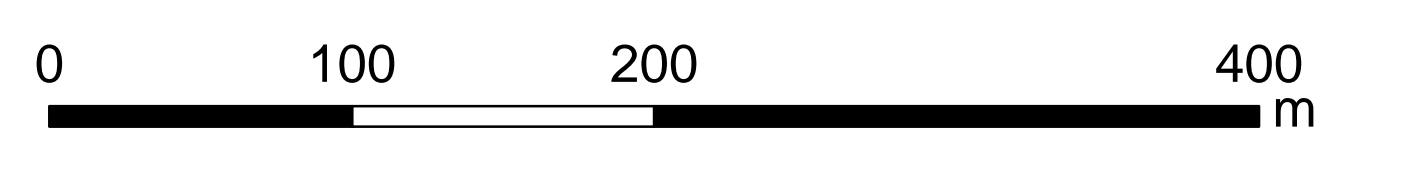
13. Mineral Resource and Mineral Reserve Estimates

To date no mineral resource or mineral reserve estimates have been completed at Glitter. The Property is at a “grassroots” level of exploration such that it is too early to make any resource or reserve estimates.



GLITTER PROPERTY
Figure 5. SAMPLE LOCATIONS

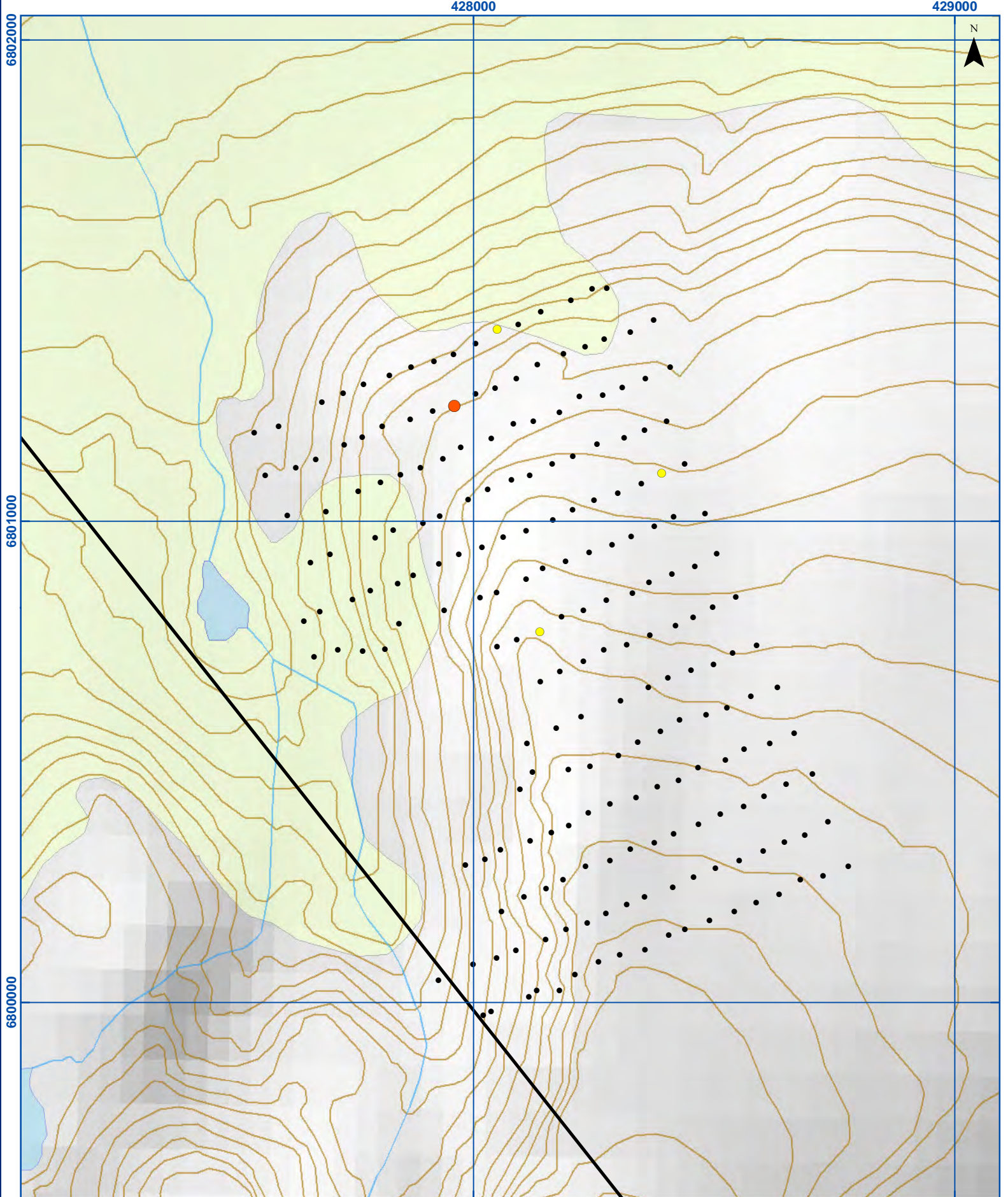
Universal Transverse Mercator Zone 9
 World Geodetic System 1984
 Scale 1:2 500



Glitter Property
 Figure 5. Sample Locations
 Breakaway Exploration Mgmt.
 NTS Sheet: 105G/08
 Date: November 7, 2011

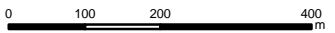
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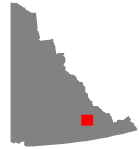


GLITTER PROPERTY
Figure 6. DETAILED GOLD ANOMOLY MAP

Universal Transverse Mercator Zone 9
 World Geodetic System 1984
 Scale 1:10 000



- Soil Au ppb
- 0 - 10
 - 10 - 20
 - 20 - 30
 - 30 - 60
 - > 60



14. Other Relevant Data and Information

The Authors are not aware of any other relevant data and information or explanation to make this report more understandable and not misleading.

15. Interpretation of Results and Conclusions

The deep auger-type soil sampling survey completed on the Property in 2011 did not show any significant gold results or trends. The linear coincident arsenic and antimony trend identified in 2004 does not appear to be related to gold mineralization.

16. Recommendations

Based on the poor gold results obtained in 2011, no further work is recommended on the Glitter property.

17. References

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Tempelman-Kluit D.J., 1977

Geology, Quite Lake (NTS 105F) and Finlayson Lake (NTS 105G), Yukon Territory GSC O>F. 486.

Wengzynowski W.A., 2005

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Appendix A – List of Claims

Claim List for Cert of Work 2011 Glitter

Type	Claim Information				Soil Geochem Survey	Renewal		
	Grant No.	Claim Name	Claim No.	Expiry Date		Years	Annual Fee	Total
Quartz	YB93898	Glitter	1	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93899	Glitter	2	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93900	Glitter	3	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93901	Glitter	4	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93902	Glitter	5	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93903	Glitter	6	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93904	Glitter	7	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93905	Glitter	8	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93906	Glitter	9	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93907	Glitter	10	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93908	Glitter	11	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93909	Glitter	12	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93910	Glitter	13	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93911	Glitter	14	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93912	Glitter	15	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93913	Glitter	16	26/03/2012	\$ 2,510.67	3	\$ 5.00	\$ 15.00
Quartz	YB93914	Glitter	17	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93915	Glitter	18	26/03/2012	\$ 2,510.67	3	\$ 5.00	\$ 15.00
Quartz	YB93916	Glitter	19	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93917	Glitter	20	26/03/2012	\$ 2,510.67	3	\$ 5.00	\$ 15.00
Quartz	YB93918	Glitter	21	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93919	Glitter	22	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93920	Glitter	23	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93921	Glitter	24	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93922	Glitter	25	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93923	Glitter	26	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93924	Glitter	27	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93925	Glitter	28	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93926	Glitter	29	26/03/2012	\$ 2,510.67	3	\$ 5.00	\$ 15.00
Quartz	YB93927	Glitter	30	26/03/2012	\$ 2,510.67	3	\$ 5.00	\$ 15.00
Quartz	YB93928	Glitter	31	26/03/2012	\$ 2,510.67	3	\$ 5.00	\$ 15.00
Quartz	YB93929	Glitter	32	26/03/2012	\$ 2,510.67	3	\$ 5.00	\$ 15.00
Quartz	YB93930	Glitter	33	26/03/2012	\$ 2,510.67	3	\$ 5.00	\$ 15.00
Quartz	YB93931	Glitter	34	26/03/2012	\$ 2,510.67	3	\$ 5.00	\$ 15.00
Quartz	YB93932	Glitter	35	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93933	Glitter	36	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93934	Glitter	37	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93935	Glitter	38	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93936	Glitter	39	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93937	Glitter	40	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93938	Glitter	41	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93939	Glitter	42	26/03/2012		3	\$ 5.00	\$ 15.00
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Quartz	YB93941	Glitter	44	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93942	Glitter	45	26/03/2012	\$ 2,510.67	3	\$ 5.00	\$ 15.00
Quartz	YB93943	Glitter	46	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93944	Glitter	47	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93945	Glitter	48	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93946	Glitter	49	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93947	Glitter	50	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93948	Glitter	51	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93949	Glitter	52	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93950	Glitter	53	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93951	Glitter	54	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93952	Glitter	55	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93953	Glitter	56	26/03/2012		3	\$ 5.00	\$ 15.00
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Quartz	YB93955	Glitter	58	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93956	Glitter	59	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93957	Glitter	60	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93958	Glitter	61	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93959	Glitter	62	26/03/2012		3	\$ 5.00	\$ 15.00
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Quartz	YB93961	Glitter	64	26/03/2012		3	\$ 5.00	\$ 15.00
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Quartz	YB93963	Glitter	66	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93964	Glitter	67	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93965	Glitter	68	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93966	Glitter	69	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93967	Glitter	70	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93968	Glitter	71	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93969	Glitter	72	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93970	Glitter	73	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93971	Glitter	74	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93972	Glitter	75	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93973	Glitter	76	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93974	Glitter	77	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93975	Glitter	78	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93976	Glitter	79	26/03/2012		3	\$ 5.00	\$ 15.00

Claim List for Cert of Work 2011 Glitter

Type	Claim Information				Soil Geochem Survey	Renewal		
	Grant No.	Claim Name	Claim No.	Expiry Date		Years	Annual Fee	Total
Quartz	YB93977	Glitter	80	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93978	Glitter	81	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93979	Glitter	82	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93980	Glitter	83	26/03/2012		3	\$ 5.00	\$ 15.00
Quartz	YB93981	Glitter	84	26/03/2012		3	\$ 5.00	\$ 15.00
				Column Total				\$ 1,260.00
				Check				\$ 1,260.00

Appendix B – Statement of Work Expenditures

I, _____,

of _____
Phone _____
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 of Claims

situated at Finlayson Lake area Claim sheet No. 105G/08
in the Watson Lake Mining District Mining District, to the value of at least 27,617.34 dollars,
since the 4th day of September 2011,
to represent the following mineral claims under the authority of Grouping Certificate No. N/A.
(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

See attached Schedule of Claims

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).

From September 4th to 6th a four man crew collected 214 soil samples at 50m stations on lines spaced at 100m. Also 2 rock samples were taken. Crew stayed at Inconnu Lodge and traveled to property by helicopter each day. Samples were analyzed by Acme Labs from September 10th to November 27th, 2011. Data and report were compiled up to December 15th, 2011.

Sworn before me at _____ this _____ day of _____ 2012.

Notary Public

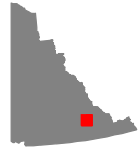
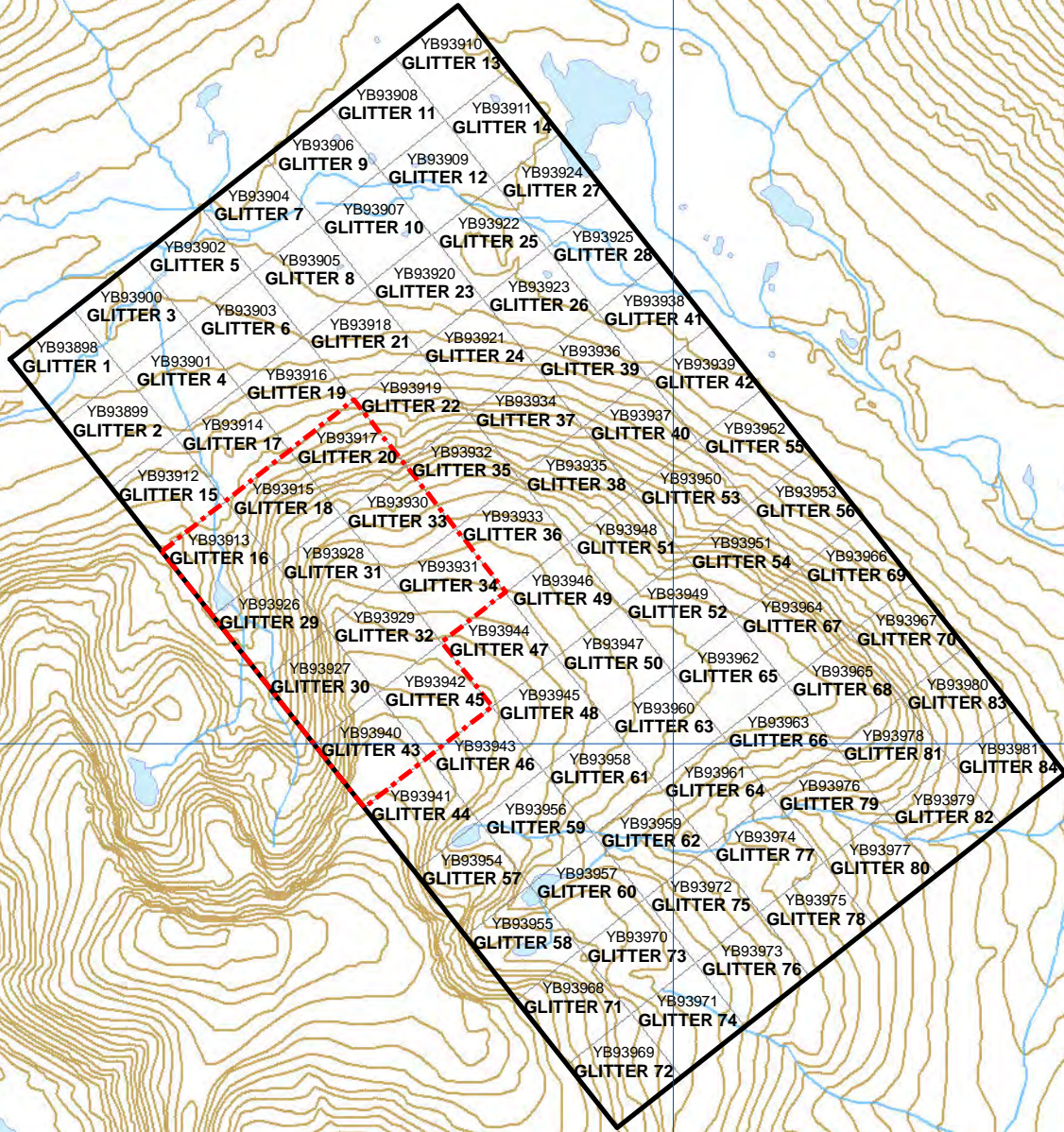
Owner or Authorized Agent


Access to Information and Protection of Privacy Act

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

Stmnt Costs Sept 4 to Dec 15 2011 Glitter

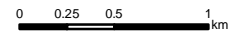
Description	Date	Supplier	Invoice No.	Amount	Total
5150 Geochem - Wages & Contract					
	12-31-2011	BXM	753	6,300.00	
					6,300.00
5151 Geochem - F&L					
	09-05-2011	Inconnu Lodge	5298	1,750.00	
					1,750.00
5152 Geochem - Supplies					
	12-31-2011	BXM	753	324.00	
					324.00
5153 Geochem - Transport					
	09-05-2011	Kluane Airways	10305	640.00	
	09-04-2011	Heli Dynamics	11878	6,636.50	
	09-05-2011	Heli Dynamics	11879	1,980.00	
	09-06-2011	Heli Dynamics	11880	6,073.60	
					15,330.10
5154 Geochem - Rentals					
	12-31-2011	BXM	753	210.00	
					210.00
5156 Geochem - Assays					
	10-31-2011	Acmelabs	VANI 102527	43.84	
	11-29-2011	Acmelabs	VANI 106663	3,659.40	
					3,703.24
Total					27,617.34



 Area of Work

GLITTER PROPERTY Figure 2. CLAIM MAP

Universal Transverse Mercator Zone 9
World Geodetic System 1984
Scale 1:40 000



Glitter Property
Figure 2. Claim Map
Breakaway Exploration Mgmt.
NTS Sheet: 105G/08
Date: November 28, 2011

Appendix C – Sample Locations and Descriptions

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
122607	05/09/2011	DarrellKraemer	428705	6800475	UTM29N WGS84	Colluvium	Brown	Gravel	RidgeAlpine	C	40	Dry	Good	AlpineBare
122608	05/09/2011	DarrellKraemer	428650	6800454	UTM29N WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	40	Frozen	Good	AlpineBare
122609	05/09/2011	DarrellKraemer	428603	6800429	UTM29N WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	35	Dry	Good	AlpineBare
122610	05/09/2011	DarrellKraemer	428561	6800408	UTM29N WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	45	Dry	Excellent	AlpineBare
122611	05/09/2011	DarrellKraemer	428513	6800393	UTM29N WGS84	Colluvium	BrownDark	Silt	RidgeAlpine	B	35	Dry	Excellent	AlpineBare
122612	05/09/2011	DarrellKraemer	428467	6800371	UTM29N WGS84	Colluvium	BrownDark	Silt	RidgeAlpine	B	35	Dry	Good	AlpineBare
122613	05/09/2011	DarrellKraemer	428416	6800351	UTM29N WGS84	Colluvium	BrownLight	Gravel	RidgeAlpine	C	45	Moist	Excellent	AlpineBare
122614	05/09/2011	DarrellKraemer	428376	6800332	UTM29N WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	40	Dry	Good	AlpineBare
122615	05/09/2011	DarrellKraemer	428326	6800319	UTM29N WGS84	Colluvium	BrownLight	Sand	RidgeAlpine	C	50	Dry	Excellent	AlpineBare
122617	05/09/2011	DarrellKraemer	428284	6800296	UTM29N WGS84	Colluvium	BrownLight	Sand	RidgeAlpine	B	40	Dry	Excellent	AlpineBare
122618	05/09/2011	DarrellKraemer	428233	6800284	UTM29N WGS84	Colluvium	BrownDark	Sand	RidgeAlpine	C	45	Dry	Excellent	AlpineBare
122619	05/09/2011	DarrellKraemer	428187	6800255	UTM29N WGS84	Colluvium	Brown	Sand	RidgeAlpine	B	35	Dry	Good	AlpineBare
122620	05/09/2011	DarrellKraemer	428151	6800236	UTM29N WGS84	Colluvium	BrownLight	Sand	Ridge	C	60	Dry	Excellent	AlpineBare
122621	05/09/2011	DarrellKraemer	428105	6800220	UTM29N WGS84	Colluvium	Brown	Silt	SteepE	B	25	Dry	Poor	AlpineBare
122622	05/09/2011	DarrellKraemer	428058	6800190	UTM29N WGS84	Colluvium	BrownDark	Silt	SteepE	B	35	Dry	Poor	AlpineBare
122623	05/09/2011	DarrellKraemer	428545	6800844	UTM29N WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	30	Dry	Poor	AlpineBare
122624	05/09/2011	DarrellKraemer	428497	6800823	UTM29N WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	60	Dry	Excellent	AlpineBare
122625	05/09/2011	DarrellKraemer	428456	6800800	UTM29N WGS84	Colluvium	BrownLight	Sand	RidgeAlpine	C	60	Dry	Excellent	AlpineBare
122626	05/09/2011	DarrellKraemer	428420	6800783	UTM29N WGS84	Colluvium	Brown	Gravel	RidgeAlpine	B	35	Dry	Excellent	AlpineBare
122627	05/09/2011	DarrellKraemer	428367	6800764	UTM29N WGS84	Colluvium	BrownDark	Silt	RidgeAlpine	B	45	Dry	Excellent	AlpineBare
122628	05/09/2011	DarrellKraemer	428318	6800744	UTM29N WGS84	Colluvium	Brown	Silt	RidgeAlpine	B	45	Dry	Good	AlpineBare
122629	05/09/2011	DarrellKraemer	428271	6800733	UTM29N WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	45	Dry	Good	AlpineBare
122630	05/09/2011	DarrellKraemer	428229	6800709	UTM29N WGS84	Colluvium	Brown	Gravel	RidgeAlpine	B	45	Dry	Good	AlpineBare
122631	05/09/2011	DarrellKraemer	428180	6800689	UTM29N WGS84	Colluvium	Brown	Gravel	RidgeAlpine	C	55	Dry	Excellent	AlpineBare
122632	05/09/2011	DarrellKraemer	428138	6800666	UTM29N WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	40	Dry	Excellent	AlpineBare
122633	06/09/2011	DarrellKraemer	428401	6801208	UTM29N WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	45	Dry	Excellent	AlpineBare
122634	06/09/2011	DarrellKraemer	428356	6801189	UTM29N WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	65	Dry	Good	AlpineBare
122635	06/09/2011	DarrellKraemer	428313	6801174	UTM29N WGS84	Colluvium	BrownLight	Sand	RidgeAlpine	C	80	Dry	Good	AlpineBare
122636	06/09/2011	DarrellKraemer	428257	6801160	UTM29N WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	80	Moist	Good	AlpineBare
122637	06/09/2011	DarrellKraemer	428207	6801135	UTM29N WGS84	Colluvium	Brown	Silt	RidgeAlpine	C	50	Dry	Poor	AlpineBare
122638	06/09/2011	DarrellKraemer	428163	6801120	UTM29N WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	50	Dry	Good	AlpineBare
122639	06/09/2011	DarrellKraemer	428117	6801096	UTM29N WGS84	Colluvium	BrownLight	Sand	RidgeAlpine	C	40	Dry	Excellent	AlpineBare
122640	06/09/2011	DarrellKraemer	428079	6801087	UTM29N WGS84	Colluvium	Brown	Gravel	RidgeAlpine	B	40	Moist	Good	AlpineBare
122641	06/09/2011	DarrellKraemer	428030	6801067	UTM29N WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	55	Dry	Good	AlpineBare
122642	06/09/2011	DarrellKraemer	427989	6801046	UTM29N WGS84	Colluvium	RustyOrange	Gravel	SteepE	C	55	Dry	Excellent	AlpineBare
122643	06/09/2011	DarrellKraemer	427929	6801011	UTM29N WGS84	Colluvium	Black	Silt	SteepE	A	35	Dry	Good	BurnNew
122644	06/09/2011	DarrellKraemer	427895	6800997	UTM29N WGS84	Colluvium	BrownLight	Sand	SteepE	C	50	Dry	Excellent	AlpineBare
122645	06/09/2011	DarrellKraemer	427833	6800982	UTM29N WGS84	Colluvium	Colorless	Silt	SteepE	A	20	Dry	Poor	AlpineBare
122646	06/09/2011	DarrellKraemer	427796	6800966	UTM29N WGS84	Colluvium	Brown	Sand	RidgeAlpine	B	35	Dry	Good	AlpineBare
122647	06/09/2011	DarrellKraemer	427702	6800932	UTM29N WGS84	Colluvium	Brown	Sand	SteepE	B	40	Dry	Excellent	AlpineBare
122648	06/09/2011	DarrellKraemer	427661	6800915	UTM29N WGS84	Colluvium	Brown	Sand	SteepE	C	50	Dry	Good	AlpineBare
122649	06/09/2011	DarrellKraemer	428374	6801419	UTM29N WGS84	Colluvium	Brown	Sand	RidgeAlpine	C	50	Dry	Good	AlpineBare
122650	06/09/2011	DarrellKraemer	428326	6801393	UTM29N WGS84	Colluvium	BrownLight	Sand	RidgeAlpine	C	45	Dry	Excellent	AlpineBare
122651	06/09/2011	DarrellKraemer	428271	6801379	UTM29N WGS84	Colluvium	BrownLight	Sand	RidgeAlpine	C	60	Dry	Excellent	AlpineBare
122652	06/09/2011	DarrellKraemer	428232	6801364	UTM29N WGS84	Colluvium	BrownDark	Silt	RidgeAlpine	B	35	Dry	Good	AlpineBare
122653	06/09/2011	DarrellKraemer	428188	6801349	UTM29N WGS84	Colluvium	Brown	Gravel	RidgeAlpine	B	30	Dry	Good	AlpineBare
122654	06/09/2011	DarrellKraemer	428133	6801327	UTM29N WGS84	Colluvium	BrownDark	Silt	RidgeAlpine	B	35	Dry	Poor	AlpineBare
122655	06/09/2011	DarrellKraemer	428089	6801298	UTM29N WGS84	Colluvium	BrownLight	Gravel	RidgeAlpine	C	45	Dry	Excellent	AlpineBare
122656	06/09/2011	DarrellKraemer	428045	6801277	UTM29N WGS84	Colluvium	BrownLight	Gravel	RidgeAlpine	C	35	Dry	Good	AlpineBare
122657	06/09/2011	DarrellKraemer	428004	6801265	UTM29N WGS84	Colluvium	BrownLight	Sand	RidgeAlpine	C	80	Dry	Excellent	AlpineBare
124818	05/09/2011	MartyHuber	428737	6800377	UTM29N WGS84	Lithosoil	Brown	Sand	Flat	C	35	Dry	Excellent	AlpineBare
124819	05/09/2011	MartyHuber	428688	6800348	UTM29N WGS84	Lithosoil	Brown	Sand	Flat	C	40	Dry	Excellent	AlpineBare
124820	05/09/2011	MartyHuber	428646	6800334	UTM29N WGS84	Lithosoil	Brown	Sand	ModerateE	C	50	Dry	Excellent	AlpineBare
124821	05/09/2011	MartyHuber	428602	6800316	UTM29N WGS84	Lithosoil	Brown	Sand	ModerateE	C	45	Wet	Good	AlpineBare
124822	05/09/2011	MartyHuber	428552	6800295	UTM29N WGS84	Lithosoil	Brown	Silt	ModerateE	B	35	Dry	Poor	AlpineBare
124823	05/09/2011	MartyHuber	428503	6800279	UTM29N WGS84	Lithosoil	Brown	Silt	ModerateE	B	30	Dry	Good	AlpineBare
124824	05/09/2011	MartyHuber	428457	6800262	UTM29N WGS84	Lithosoil	Brown	Sand	ModerateE	C	40	Dry	Excellent	AlpineBare
124825	05/09/2011	MartyHuber	428414	6800240	UTM29N WGS84	Lithosoil	Brown	Silt	ModerateE	B	30	Dry	Poor	AlpineBare
124826	05/09/2011	MartyHuber	428356	6800220	UTM29N WGS84	Lithosoil	Brown	Silt	ModerateE	B	20	Dry	Good	AlpineBare
124827	05/09/2011	MartyHuber	428318	6800205	UTM29N WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	40	Dry	Good	AlpineBare
124828	05/09/2011	MartyHuber	428275	6800186	UTM29N WGS84	Lithosoil	Brown	Silt	RidgeAlpine	B	25	Dry	Good	AlpineBare
124829	05/09/2011	MartyHuber	428236	6800165	UTM29N WGS84	Lithosoil	Brown	Silt	ModerateW	B	20	Dry	Good	AlpineBare
124830	05/09/2011	MartyHuber	428192	6800152	UTM29N WGS84	TalusFine	Brown	Sand	SteepW	B	15	Dry	Good	AlpineBare

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
124831	05/09/2011	MartyHuber	428150	6800131	UTMZ9N WGS84	TalusFine	Brown	Sand	SteepW	B	20	Dry	Good	AlpineBare
124832	05/09/2011	MartyHuber	428088	6800109	UTMZ9N WGS84	TalusFine	Brown	Sand	SteepW	B	20	Dry	Good	AlpineBare
124833	05/09/2011	MartyHuber	428048	6800093	UTMZ9N WGS84	TalusFine	Brown	Sand	SteepW	B	15	Dry	Good	AlpineBare
124834	05/09/2011	MartyHuber	427999	6800079	UTMZ9N WGS84	TalusFine	Brown	Sand	SteepW	B	20	Dry	Good	AlpineBare
124836	05/09/2011	MartyHuber	427927	6800047	UTMZ9N WGS84	TalusFine	Brown	Sand	Drainage	B	15	Dry	Good	SubAlpineBrush
124837	05/09/2011	MartyHuber	428589	6800742	UTMZ9N WGS84	Lithosoil	Brown	Silt	ModerateE	B	35	Dry	Poor	AlpineBare
124838	05/09/2011	MartyHuber	428539	6800727	UTMZ9N WGS84	Lithosoil	Brown	Sand	ModerateE	C	40	Dry	Excellent	AlpineBare
124839	05/09/2011	MartyHuber	428499	6800704	UTMZ9N WGS84	Lithosoil	Brown	Silt	ModerateE	B	35	Dry	Good	AlpineBare
124841	05/09/2011	MartyHuber	428452	6800692	UTMZ9N WGS84	Lithosoil	Brown	Sand	ModerateE	C	45	Dry	Excellent	AlpineBare
124842	05/09/2011	MartyHuber	428404	6800676	UTMZ9N WGS84	Lithosoil	Brown	Sand	ModerateE	C	35	Dry	Good	AlpineBare
124843	05/09/2011	MartyHuber	428363	6800656	UTMZ9N WGS84	Lithosoil	Brown	Sand	ModerateE	C	35	Dry	Excellent	AlpineBare
124844	05/09/2011	MartyHuber	428306	6800628	UTMZ9N WGS84	Lithosoil	Brown	Sand	ModerateE	B	40	Dry	Good	AlpineBare
124845	05/09/2011	MartyHuber	428223	6800594	UTMZ9N WGS84	Lithosoil	Brown	Sand	ModerateE	C	35	Dry	Good	AlpineBare
124846	05/09/2011	MartyHuber	428171	6800570	UTMZ9N WGS84	Lithosoil	Brown	Sand	RidgeAlpine	C	40	Dry	Good	AlpineBare
125154	05/09/2011	MartyHuber	428111	6800539	UTMZ9N WGS84	TalusFine	Yellow	Sand	SteepW	B	15	Dry	Good	AlpineBare
125155	06/09/2011	MartyHuber	428438	6801120	UTMZ9N WGS84	Lithosoil	Brown	Silt	ModerateE	B	35	Dry	Good	AlpineBare
125156	06/09/2011	MartyHuber	428391	6801101	UTMZ9N WGS84	Lithosoil	Brown	Silt	ModerateE	B	50	Dry	Good	AlpineBare
125157	06/09/2011	MartyHuber	428349	6801078	UTMZ9N WGS84	Lithosoil	Brown	Sand	ModerateE	C	20	Dry	Good	AlpineBare
125158	06/09/2011	MartyHuber	428300	6801059	UTMZ9N WGS84	Lithosoil	Brown	Sand	ModerateE	C	35	Dry	Good	AlpineBare
125159	06/09/2011	MartyHuber	428250	6801044	UTMZ9N WGS84	Lithosoil	Brown	Silt	ModerateE	B	45	Dry	Good	AlpineBare
125160	06/09/2011	MartyHuber	428206	6801024	UTMZ9N WGS84	Lithosoil	Brown	Sand	ModerateE	C	40	Dry	Good	AlpineBare
125161	06/09/2011	MartyHuber	428165	6801003	UTMZ9N WGS84	Lithosoil	BrownLight	Sand	ModerateE	B	30	Dry	Good	AlpineBare
125162	06/09/2011	MartyHuber	428109	6800981	UTMZ9N WGS84	Lithosoil	Brown	Sand	ModerateE	B	30	Dry	Good	AlpineBare
125163	06/09/2011	MartyHuber	428062	6800967	UTMZ9N WGS84	Lithosoil	Brown	Sand	ModerateE	C	35	Dry	Good	AlpineBare
125164	06/09/2011	MartyHuber	428017	6800947	UTMZ9N WGS84	Lithosoil	Brown	Sand	ModerateW	B	30	Dry	Good	AlpineBare
125165	06/09/2011	MartyHuber	427970	6800932	UTMZ9N WGS84	TalusFine	Brown	Sand	ModerateW	B	10	Dry	Good	AlpineBare
125166	06/09/2011	MartyHuber	427928	6800911	UTMZ9N WGS84	Lithosoil	Brown	Sand	ModerateW	C	35	Dry	Good	AlpineBare
125167	06/09/2011	MartyHuber	427875	6800889	UTMZ9N WGS84	TalusFine	Brown	Sand	ModerateW	B	25	Dry	Good	AlpineBare
125168	06/09/2011	MartyHuber	427843	6800871	UTMZ9N WGS84	Lithosoil	Brown	Sand	ModerateW	B	35	Dry	Good	AlpineBare
125169	06/09/2011	MartyHuber	427786	6800857	UTMZ9N WGS84	Lithosoil	Brown	Silt	SteepW	B	30	Dry	Good	AlpineBare
125170	06/09/2011	MartyHuber	427749	6800838	UTMZ9N WGS84	Lithosoil	Brown	Silt	SteepW	B	40	Dry	Good	AlpineBare
125171	06/09/2011	MartyHuber	427680	6800812	UTMZ9N WGS84	Lithosoil	Brown	Sand	ModerateW	B	45	Dry	Good	SubAlpineBrush
125173	06/09/2011	MartyHuber	427648	6800793	UTMZ9N WGS84	Lithosoil	Brown	Sand	ModerateW	B	35	Dry	Good	SubAlpineBrush
125174	06/09/2011	MartyHuber	427544	6801185	UTMZ9N WGS84	Lithosoil	Brown	Silt	ModerateW	B	30	Dry	Good	AlpineBare
125175	06/09/2011	MartyHuber	427595	6801198	UTMZ9N WGS84	Lithosoil	Brown	Silt	Flat	B	35	Dry	Good	SubAlpineBrush
125176	06/09/2011	MartyHuber	427685	6801248	UTMZ9N WGS84	Lithosoil	Brown	Silt	SteepW	B	35	Dry	Good	AlpineBare
125177	06/09/2011	MartyHuber	427729	6801266	UTMZ9N WGS84	Lithosoil	Brown	Silt	SteepW	B	45	Dry	Good	SubAlpineBrush
125178	06/09/2011	MartyHuber	427772	6801285	UTMZ9N WGS84	Lithosoil	BrownDark	Sand	SteepW	B	30	Moist	Good	AlpineBare
125179	06/09/2011	MartyHuber	427826	6801303	UTMZ9N WGS84	Lithosoil	Brown	Sand	ModerateW	C	40	Dry	Good	AlpineBare
125180	06/09/2011	MartyHuber	427870	6801320	UTMZ9N WGS84	Lithosoil	Brown	Silt	Flat	B	25	Dry	Good	AlpineBare
125181	06/09/2011	MartyHuber	427918	6801332	UTMZ9N WGS84	Lithosoil	BrownLight	Sand	ModerateN	C	40	Dry	Good	AlpineBare
125182	06/09/2011	MartyHuber	427958	6801348	UTMZ9N WGS84	Lithosoil	BrownLight	Sand	ModerateN	B	35	Dry	Good	AlpineBare
133423	05/09/2011	BernardDube	428667	6800560	UTMZ9N WGS84	Lithosoil	BrownDark			B	10	Moist	Good	AlpineBare
133424	05/09/2011	BernardDube	428615	6800539	UTMZ9N WGS84	Lithosoil	Brown	Gravel		B	15	Moist	Good	AlpineBare
133425	05/09/2011	BernardDube	428562	6800527	UTMZ9N WGS84	Lithosoil	Brown	Silt	ModerateS	B	15	Moist	Good	AlpineBare
133426	05/09/2011	BernardDube	428523	6800505	UTMZ9N WGS84		Brown	Silt	ModerateS	B	40	Moist	Excellent	AlpineBare
133427	05/09/2011	BernardDube	428466	6800488	UTMZ9N WGS84	Colluvium	BrownDark	Silt	ModerateS	B	90	Wet	Excellent	AlpineBare
133428	05/09/2011	BernardDube	428426	6800463	UTMZ9N WGS84	Colluvium	Brown	Silt	ModerateS	C	40	Moist	Excellent	AlpineBare
133429	05/09/2011	BernardDube	428382	6800449	UTMZ9N WGS84	Colluvium	Brown	Silt	ModerateS	B	90	Moist	Excellent	AlpineBare
133430	05/09/2011	BernardDube	428338	6800426	UTMZ9N WGS84	Colluvium	Brown	Silt	ModerateS	C	60	Moist	Good	AlpineBare
133431	05/09/2011	BernardDube	428284	6800413	UTMZ9N WGS84	Colluvium	Brown	Silt	ModerateS	B	40	Moist	Excellent	AlpineBare
133432	05/09/2011	BernardDube	428239	6800394	UTMZ9N WGS84	Colluvium	BrownDark	Silt	ModerateS	B	40	Moist	Excellent	AlpineBare
133433	05/09/2011	BernardDube	428198	6800369	UTMZ9N WGS84	Lithosoil	Brown	Gravel	ModerateS	B	20	Moist	Good	AlpineBare
133434	05/09/2011	BernardDube	428162	6800354	UTMZ9N WGS84	Lithosoil	Brown	Sand		B	25	Moist	Excellent	AlpineBare
133435	05/09/2011	BernardDube	428118	6800337	UTMZ9N WGS84	Lithosoil	Brown	Silt		B	20	Dry	Good	AlpineBare
133436	05/09/2011	BernardDube	428056	6800318	UTMZ9N WGS84	Colluvium	Brown	Silt		B	60	Dry	Excellent	AlpineBare
133437	05/09/2011	BernardDube	428023	6800299	UTMZ9N WGS84		BrownDark	Gravel		B	20	Moist	Good	AlpineBare
133438	05/09/2011	BernardDube	427983	6800286	UTMZ9N WGS84	Lithosoil	Brown	Silt		B	10	Dry	Good	AlpineBare
133439	05/09/2011	BernardDube	428505	6800932	UTMZ9N WGS84	Colluvium	Brown	Silt	ModerateS	C	40	Moist	Good	AlpineBare
133440	05/09/2011	BernardDube	428460	6800906	UTMZ9N WGS84	Colluvium	BrownLight	Silt	ModerateS	C	70	Moist	Excellent	AlpineBare
133441	05/09/2011	BernardDube	428412	6800890	UTMZ9N WGS84	Colluvium	BrownLight	Sand	ModerateS	C	35	Dry	Excellent	AlpineBare
133442	05/09/2011	BernardDube	428365	6800875	UTMZ9N WGS84	Colluvium	Brown	Silt	ModerateS	B	50	Moist	Excellent	AlpineBare

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
133443	05/09/2011	BernardDube	428330	6800851	UTM29N WGS84	Colluvium	BrownLight	Silt	ModerateS	C	70	Moist	Excellent	AlpineBare
133444	05/09/2011	BernardDube	428276	6800836	UTM29N WGS84	Colluvium	Brown	Silt	ModerateS	B	50	Moist	Excellent	AlpineBare
133445	05/09/2011	BernardDube	428229	6800815	UTM29N WGS84	Lithosoil	Brown	Silt	ModerateS	B	30	Moist	Good	AlpineBare
133446	05/09/2011	BernardDube	428183	6800802	UTM29N WGS84	Colluvium	Brown	Silt	ModerateS	C	50	Moist	Good	AlpineBare
133447	05/09/2011	BernardDube	428138	6800771	UTM29N WGS84	Colluvium	Brown	Silt	ModerateS	C	60	Dry	Excellent	AlpineBare
133448	05/09/2011	BernardDube	428090	6800754	UTM29N WGS84	Colluvium	BrownLight	Silt	Flat	C	40	Dry	Excellent	AlpineBare
133449	05/09/2011	BernardDube	428049	6800740	UTM29N WGS84	Colluvium	BrownLight	Gravel		C	50	Frozen	Excellent	AlpineBare
133450	06/09/2011	BernardDube	428409	6801320	UTM29N WGS84	Colluvium	Brown	Silt		C	65	Moist	Good	AlpineBare
133451	06/09/2011	BernardDube	428357	6801297	UTM29N WGS84	Colluvium	Brown	Silt	ModerateS	C	80	Moist	Good	AlpineBare
133452	06/09/2011	BernardDube	428309	6801279	UTM29N WGS84	Colluvium	Brown	Silt	ModerateS	C	55	Dry	Excellent	AlpineBare
133453	06/09/2011	BernardDube	428269	6801262	UTM29N WGS84	Colluvium	Brown	Silt	ModerateS	C	60	Dry	Excellent	AlpineBare
133454	06/09/2011	BernardDube	428220	6801259	UTM29N WGS84	Colluvium	Brown	Gravel	ModerateS	B	40	Dry	Excellent	AlpineBare
133455	06/09/2011	BernardDube	428179	6801228	UTM29N WGS84	Colluvium	Brown	Silt	ModerateS	B	80	Moist	Excellent	AlpineBare
133456	06/09/2011	BernardDube	428125	6801208	UTM29N WGS84	Colluvium	Brown	Silt	ModerateS	C	65	Moist	Excellent	AlpineBare
133457	06/09/2011	BernardDube	428083	6801203	UTM29N WGS84	Colluvium	BrownLight	Silt	ModerateN	C	65	Moist	Excellent	AlpineBare
133458	06/09/2011	BernardDube	428037	6801172	UTM29N WGS84	Colluvium	Brown	Silt	ModerateN	B	60	Moist	Excellent	AlpineBare
133459	06/09/2011	BernardDube	427973	6801155	UTM29N WGS84	Colluvium	Brown	Silt		C	50	Moist	Good	AlpineBare
133460	06/09/2011	BernardDube	427937	6801131	UTM29N WGS84	Colluvium	Grey	Silt	ModerateN	C	40	Moist	Good	AlpineBare
133461	06/09/2011	BernardDube	427890	6801112	UTM29N WGS84	Colluvium	Brown	Silt	ModerateSE	C	60	Moist	Excellent	AlpineBare
133462	06/09/2011	BernardDube	427848	6801098	UTM29N WGS84	Colluvium	Brown	Silt	ModerateSE	C	60	Moist	Excellent	AlpineBare
133463	06/09/2011	BernardDube	427806	6801082	UTM29N WGS84	Colluvium	Brown	Silt	ModerateSE	C	70	Dry	Excellent	AlpineBare
133464	06/09/2011	BernardDube	427760	6801062	UTM29N WGS84	Colluvium	BrownLight	Silt	ModerateSE	B	60	Dry	Excellent	AlpineBare
133465	06/09/2011	BernardDube	427693	6801021	UTM29N WGS84	Colluvium	RustyOrange	Silt		C	70	Moist	Excellent	AlpineBare
133466	06/09/2011	BernardDube	427613	6801012	UTM29N WGS84	Colluvium	RustyOrange	Silt	Flat	C	50	Moist	Good	AlpineBare
133467	06/09/2011	BernardDube	428277	6801485	UTM29N WGS84	Colluvium	Brown	Silt		C	70	Dry	Excellent	AlpineBare
133468	06/09/2011	BernardDube	428247	6801484	UTM29N WGS84	Colluvium	Brown	Silt		B	60	Dry	Excellent	AlpineBare
133469	06/09/2011	BernardDube	428202	6801461	UTM29N WGS84	Colluvium	Brown	Silt		C	90	Moist	Excellent	AlpineBare
133470	06/09/2011	BernardDube	428139	6801436	UTM29N WGS84	Colluvium	BrownLight	Silt		C	80	Dry	Excellent	AlpineBare
133471	06/09/2011	BernardDube	428093	6801409	UTM29N WGS84	Colluvium	Brown	Silt		C	80	Dry	Excellent	AlpineBare
133472	06/09/2011	BernardDube	428049	6801400	UTM29N WGS84	Colluvium	Brown	Silt		B	60	Moist	Excellent	AlpineBare
133473	06/09/2011	BernardDube	428004	6801370	UTM29N WGS84	Colluvium	BrownLight	Silt		C	70	Dry	Excellent	AlpineBare
134342	05/09/2011	BenDubois	428779	6800284	UTM29N WGS84	Lithosoil	Brown	Silt	Flat	C	30	Dry	Excellent	AlpineBare
134343	05/09/2011	BenDubois	428727	6800264	UTM29N WGS84	Lithosoil	Brown	Silt	Flat	B	20	Dry	Poor	AlpineBare
134344	05/09/2011	BenDubois	428679	6800255	UTM29N WGS84	Lithosoil	Brown	Gravel	Flat	C	20	Dry	Good	AlpineBare
134345	05/09/2011	BenDubois	428635	6800225	UTM29N WGS84	Lithosoil	Brown	Silt	Flat	C	10	Dry	Good	AlpineBare
134346	05/09/2011	BenDubois	428587	6800208	UTM29N WGS84	Lithosoil	Brown	Silt	Flat	B	30	Dry	Good	AlpineBare
134347	05/09/2011	BenDubois	428542	6800190	UTM29N WGS84	Colluvium	Brown	Silt	Flat	C	40	Dry	Good	AlpineBare
134348	05/09/2011	BenDubois	428490	6800170	UTM29N WGS84	Lithosoil	Brown	Silt	ModerateN	B	40	Dry	Good	AlpineBare
134349	05/09/2011	BenDubois	428439	6800152	UTM29N WGS84	Soil	Brown	Silt	ModerateN	B	40	Dry	Good	AlpineBare
134350	05/09/2011	BenDubois	428406	6800141	UTM29N WGS84	Lithosoil	Brown	Silt	ModerateN	C	40	Dry	Excellent	AlpineBare
134351	05/09/2011	BenDubois	428356	6800110	UTM29N WGS84	TalusFine	Brown	Silt	ModerateN	B	40	Dry	Excellent	AlpineBare
134352	05/09/2011	BenDubois	428304	6800100	UTM29N WGS84	TalusFine	Brown	Silt	Ridge	B	40	Moist	Excellent	AlpineBare
134353	05/09/2011	BenDubois	428260	6800085	UTM29N WGS84	TalusFine	Brown	Silt	Ridge	B	40	Moist	Excellent	AlpineBare
134354	05/09/2011	BenDubois	428211	6800059	UTM29N WGS84	TalusFine	BrownDark	Gravel	SteepW	C	40	Moist	Excellent	AlpineBare
134355	05/09/2011	BenDubois	428178	6800026	UTM29N WGS84	TalusFine	BrownDark	Silt	SteepW	B	40	Moist	Good	AlpineBare
134356	05/09/2011	BenDubois	428132	6800026	UTM29N WGS84	TalusFine	Brown	Silt	SteepW	C	40	Moist	Good	AlpineBare
134357	05/09/2011	BenDubois	428115	6800012	UTM29N WGS84	TalusFine	Brown	Gravel	SteepW	C	50	Moist	Good	AlpineBare
134358	05/09/2011	BenDubois	428037	6799982	UTM29N WGS84	TalusFine	Brown	Sand	SteepW	B	20	Moist	Good	AlpineBare
134359	05/09/2011	BenDubois	428021	6799974	UTM29N WGS84	TalusFine	Brown	Gravel	SteepW	B	10	Dry	Poor	AlpineBare
134360	05/09/2011	BenDubois	428632	6800655	UTM29N WGS84	Lithosoil	Brown	Sand	Flat	B	30	Moist	Good	AlpineBare
134361	05/09/2011	BenDubois	428577	6800637	UTM29N WGS84	Lithosoil	BrownDark	Silt	Flat	B	30	Moist	Good	AlpineBare
134362	05/09/2011	BenDubois	428526	6800612	UTM29N WGS84	Lithosoil	Brown	Sand	ModerateN	B	20	Dry	Excellent	AlpineBare
134363	05/09/2011	BenDubois	428484	6800599	UTM29N WGS84	Lithosoil	Brown	Sand	ModerateN	B	30	Dry	Excellent	AlpineBare
134364	05/09/2011	BenDubois	428428	6800588	UTM29N WGS84	Lithosoil	Brown	Sand	ModerateN	B	30	Moist	Excellent	AlpineBare
134365	05/09/2011	BenDubois	428389	6800563	UTM29N WGS84	Lithosoil	Brown	Silt	ModerateN	B	30	Moist	Good	AlpineBare
134366	05/09/2011	BenDubois	428341	6800542	UTM29N WGS84	Lithosoil	Brown	Silt	ModerateN	B	40	Moist	Excellent	AlpineBare
134367	05/09/2011	BenDubois	428302	6800513	UTM29N WGS84	Lithosoil	Brown	Silt	ModerateN	B	30	Dry	Excellent	AlpineBare
134368	05/09/2011	BenDubois	428242	6800491	UTM29N WGS84	Lithosoil	Brown	Silt	Ridge	B	40	Dry	Excellent	AlpineBare
134369	05/09/2011	BenDubois	428197	6800485	UTM29N WGS84	Lithosoil	Brown	Silt	Ridge	B	30	Moist	Excellent	AlpineBare
134370	05/09/2011	BenDubois	428123	6800480	UTM29N WGS84	TalusFine	Brown	Silt	SteepW	B	30	Moist	Excellent	AlpineBare
134371	05/09/2011	BenDubois	428096	6800444	UTM29N WGS84	TalusFine	Brown	Gravel	SteepW	B	30	Moist	Good	AlpineBare
134372	06/09/2011	BenDubois	428481	6801016	UTM29N WGS84	Lithosoil	Brown	Silt	ModerateN	B	40	Moist	Good	AlpineBare

Appendix C. Sample locations and descriptions

Sample	Date	Sampler	Easting	Northing	EastNorthDatum	Type	Colour	Texture	Terrain	Horizon	Depth	Moisture	Quality	Vegetation
134373	06/09/2011	BenDubois	428415	6801009	UTMZ9N WGS84	Soil	BrownDark	Silt	ModerateN	B	40	Moist	Good	AlpineBare
134374	06/09/2011	BenDubois	428376	6800989	UTMZ9N WGS84	Soil	Brown	Silt	ModerateN	B	40	Moist	Good	AlpineBare
134375	06/09/2011	BenDubois	428328	6800969	UTMZ9N WGS84	Lithosoil	Brown	Silt	ModerateN	B	30	Moist	Good	AlpineBare
134376	06/09/2011	BenDubois	428288	6800952	UTMZ9N WGS84	Lithosoil	Brown	Silt	ModerateN	B	40	Moist	Good	AlpineBare
134377	06/09/2011	BenDubois	428241	6800936	UTMZ9N WGS84	Lithosoil	Brown	Sand	ModerateN	C	40	Moist	Good	AlpineBare
134378	06/09/2011	BenDubois	428191	6800917	UTMZ9N WGS84	Lithosoil	Brown	Gravel	ModerateN	B	40	Moist	Good	AlpineBare
134379	06/09/2011	BenDubois	428144	6800902	UTMZ9N WGS84	Lithosoil	Brown	Silt	ModerateN	B	40	Moist	Good	AlpineBare
134380	06/09/2011	BenDubois	428109	6800880	UTMZ9N WGS84	Lithosoil	Brown	Silt	ModerateN	B	30	Dry	Good	AlpineBare
134381	06/09/2011	BenDubois	428048	6800853	UTMZ9N WGS84	Lithosoil	Brown	Gravel	SteepW	B	30	Moist	Good	AlpineBare
134382	06/09/2011	BenDubois	428014	6800842	UTMZ9N WGS84	TalusFine	Brown	Silt	SteepW	B	30	Moist	Poor	AlpineBare
134383	06/09/2011	BenDubois	427939	6800815	UTMZ9N WGS84	TalusFine	Brown	Gravel	SteepW	B	30	Moist	Poor	AlpineBare
134384	06/09/2011	BenDubois	427845	6800788	UTMZ9N WGS84	TalusFine	BrownDark	Silt	SteepW	B	20	Moist	Poor	AlpineBare
134385	06/09/2011	BenDubois	427816	6800734	UTMZ9N WGS84	Lithosoil	Green	Silt	SteepW	A	20	Moist	Poor	AlpineBare
134386	06/09/2011	BenDubois	427769	6800731	UTMZ9N WGS84	Soil	Brown	Silt	SteepW	B	20	Moist	Poor	SubAlpineBrush
134387	06/09/2011	BenDubois	427718	6800733	UTMZ9N WGS84	Soil	Brown	Silt	SteepW	B	30	Moist	Good	SubAlpineBrush
134388	06/09/2011	BenDubois	427669	6800720	UTMZ9N WGS84	Soil	Brown	Silt	SteepW	B	40	Moist	Excellent	ForestBlackSpruce
134389	06/09/2011	BenDubois	427568	6801096	UTMZ9N WGS84	Soil	Brown	Silt	Flat	B	40	Moist	Good	SubAlpineBrush
134390	06/09/2011	BenDubois	427631	6801113	UTMZ9N WGS84	Soil	BrownDark	Silt	SteepW	B	30	Moist	Good	SubAlpineBrush
134391	06/09/2011	BenDubois	427672	6801129	UTMZ9N WGS84	TalusFine	Brown	Silt	SteepW	B	20	Moist	Poor	AlpineBare
134392	06/09/2011	BenDubois	427732	6801159	UTMZ9N WGS84	TalusFine	Brown	Sand	SteepW	B	40	Dry	Good	SubAlpineBrush
134393	06/09/2011	BenDubois	427769	6801175	UTMZ9N WGS84	TalusFine	Brown	Sand	SteepW	C	50	Dry	Good	AlpineBare
134394	06/09/2011	BenDubois	427810	6801198	UTMZ9N WGS84	TalusFine	Brown	Silt	SteepW	B	20	Moist	Good	AlpineBare
134395	06/09/2011	BenDubois	427868	6801212	UTMZ9N WGS84	TalusFine	Brown	Silt	Ridge	B	30	Dry	Good	AlpineBare
134396	06/09/2011	BenDubois	427915	6801230	UTMZ9N WGS84	Lithosoil	Brown	Silt	Ridge	B	30	Moist	Good	AlpineBare
134397	06/09/2011	BenDubois	427960	6801240	UTMZ9N WGS84	Lithosoil	Brown	Sand	RidgeAlpine	B	20	Moist	Good	AlpineBare

Appendix D – Analytical Certifications



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Breakaway Expl. Mgmt. Inc.
203 - 680 3rd Ave.
Val d'Or QC J9P 1S5 Canada

Submitted By: Mark Fekete
Receiving Lab: Canada-Whitehorse
Received: September 10, 2011
Report Date: November 27, 2011
Page: 1 of 9

CERTIFICATE OF ANALYSIS

WHI11001342.1

CLIENT JOB INFORMATION

Project: Glitter
Shipment ID: 20110908102035
P.O. Number
Number of Samples: 214

SAMPLE DISPOSAL

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

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

Invoice To: Breakaway Expl. Mgmt. Inc.
203 - 680 3rd Ave.
Val d'Or QC J9P 1S5
Canada

CC: Lauren Wilson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include Dry at 60C, SS80, and 1DX2.

ADDITIONAL COMMENTS



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



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Project: Glitter
 Report Date: November 27, 2011

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CERTIFICATE OF ANALYSIS

WHI11001342.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
122607	Soil	0.5	16.3	8.1	66	<0.1	18.3	8.6	296	2.75	1.9	0.6	<0.5	3.7	36	<0.1	0.2	0.2	40	0.38	0.042
122608	Soil	0.6	20.9	13.2	69	0.1	27.0	10.7	295	3.23	7.6	1.6	1.3	7.6	27	<0.1	0.3	0.4	41	0.22	0.050
122609	Soil	0.4	13.1	27.1	32	0.1	10.7	7.9	905	1.57	2.3	1.0	<0.5	0.7	38	0.2	0.1	0.3	24	0.31	0.078
122610	Soil	0.6	19.7	12.1	71	<0.1	24.6	11.2	295	3.14	4.3	1.0	<0.5	6.5	21	0.1	0.3	0.2	41	0.17	0.051
122611	Soil	0.7	18.8	9.7	71	<0.1	26.5	11.9	293	3.10	3.7	0.8	<0.5	6.0	17	0.1	0.3	0.2	40	0.14	0.035
122612	Soil	0.8	14.6	9.7	60	<0.1	15.1	8.3	565	2.65	1.2	1.4	0.9	1.2	40	0.5	0.2	0.3	35	0.37	0.123
122613	Soil	0.7	26.8	9.5	74	<0.1	33.7	12.7	279	3.47	3.3	1.1	2.5	5.7	17	<0.1	0.3	0.2	44	0.21	0.061
122614	Soil	0.7	22.0	10.2	67	<0.1	23.8	11.0	391	3.18	1.2	0.8	1.3	2.3	19	<0.1	0.2	0.3	45	0.19	0.052
122615	Soil	0.8	35.3	14.6	86	<0.1	43.1	17.5	399	4.02	3.1	1.3	0.9	6.5	11	0.1	0.4	0.4	41	0.11	0.049
122616	Soil	0.8	39.6	11.7	72	<0.1	32.6	14.9	254	4.08	2.2	1.1	1.3	4.8	16	<0.1	0.3	0.4	51	0.11	0.043
122617	Soil	0.6	26.9	11.2	71	<0.1	33.6	13.7	227	3.86	0.9	1.0	<0.5	4.0	9	<0.1	0.2	0.3	46	0.07	0.047
122618	Soil	0.8	57.8	14.6	77	<0.1	42.7	17.6	275	3.86	2.0	1.2	2.7	4.4	21	<0.1	0.2	0.3	41	0.15	0.042
122619	Soil	0.7	34.5	13.8	85	<0.1	41.8	17.8	357	3.97	1.3	1.2	1.1	6.0	22	<0.1	0.2	0.3	41	0.21	0.042
122620	Soil	0.5	33.4	23.9	52	0.1	37.9	17.5	639	2.07	8.4	1.7	1.0	1.3	281	0.4	0.3	0.5	14	7.06	0.084
122621	Soil	6.1	37.9	18.6	143	0.1	46.8	15.2	713	4.58	13.5	4.5	2.7	12.0	112	0.5	0.7	1.1	48	0.87	0.106
122622	Soil	6.7	37.5	19.7	145	0.1	48.1	15.3	704	4.52	13.9	4.4	2.3	11.9	112	0.5	0.7	1.1	48	0.86	0.102
122623	Soil	1.5	17.5	8.7	54	0.1	18.0	12.6	2755	2.13	3.9	3.3	<0.5	0.7	29	0.6	0.5	0.5	41	0.26	0.143
122624	Soil	0.5	27.6	3.7	88	<0.1	13.4	11.4	731	5.08	2.6	2.5	2.5	9.4	19	<0.1	<0.1	0.5	73	0.39	0.131
122625	Soil	1.0	24.8	5.0	90	<0.1	15.8	13.8	851	4.54	7.7	4.0	1.0	10.7	20	0.2	1.6	0.4	70	0.34	0.134
122626	Soil	0.8	10.9	4.8	52	<0.1	16.5	3.4	192	1.94	5.0	2.3	<0.5	7.0	9	0.3	0.3	0.2	50	0.11	0.071
122627	Soil	1.4	6.1	5.1	22	<0.1	4.9	1.7	124	1.30	4.5	1.7	0.6	0.9	4	<0.1	0.8	0.3	22	0.02	0.048
122628	Soil	1.3	6.7	5.2	26	<0.1	8.8	2.1	121	1.28	2.8	1.6	3.3	3.5	5	<0.1	0.5	0.2	18	0.03	0.046
122629	Soil	0.9	8.1	5.1	38	<0.1	10.7	3.5	156	1.42	3.0	1.7	<0.5	6.9	6	0.2	0.5	0.2	22	0.06	0.044
122630	Soil	1.1	5.5	6.0	26	<0.1	7.4	2.0	136	1.44	3.2	1.5	1.5	6.0	4	0.1	0.4	0.2	19	0.03	0.031
122631	Soil	1.1	9.7	6.9	45	<0.1	13.6	5.2	345	2.00	3.9	1.5	2.4	12.0	9	0.2	0.5	0.3	31	0.11	0.049
122632	Soil	0.9	21.0	8.6	53	0.1	19.2	6.3	327	2.56	4.4	4.3	1.1	2.6	12	0.1	0.4	0.9	39	0.14	0.059
122633	Soil	1.1	17.2	6.4	51	<0.1	20.4	6.2	537	1.85	3.9	2.8	1.8	22.4	9	0.6	0.5	0.3	30	0.13	0.054
122634	Soil	0.9	22.9	6.4	66	<0.1	23.4	10.2	405	2.48	6.9	2.1	1.7	7.4	8	0.2	0.6	0.6	44	0.21	0.106
122635	Soil	1.0	19.5	11.8	63	<0.1	17.4	7.3	339	2.33	5.3	3.0	<0.5	5.3	9	0.2	0.5	1.0	36	0.19	0.104
122636	Soil	1.2	35.8	10.7	85	<0.1	37.2	9.7	428	2.84	8.1	4.2	2.9	5.4	13	0.4	0.6	0.9	46	0.25	0.124

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



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Project: Glitter
 Report Date: November 27, 2011

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CERTIFICATE OF ANALYSIS

WHI11001342.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2
122607	Soil	14	32	0.58	144	0.149	<1	1.58	0.011	0.30	0.2	<0.01	3.8	0.2	<0.05	9	<0.5	<0.2
122608	Soil	42	38	0.71	114	0.107	<1	2.50	0.010	0.30	0.9	0.03	4.9	0.3	<0.05	9	<0.5	<0.2
122609	Soil	27	16	0.25	88	0.037	<1	1.26	0.017	0.10	0.1	0.03	1.3	0.2	0.10	5	<0.5	<0.2
122610	Soil	22	37	0.77	126	0.146	<1	2.23	0.009	0.35	0.1	<0.01	4.1	0.3	<0.05	8	<0.5	<0.2
122611	Soil	18	39	0.81	131	0.155	<1	2.23	0.011	0.43	0.3	<0.01	3.9	0.3	<0.05	8	0.5	<0.2
122612	Soil	16	27	0.42	159	0.069	1	1.39	0.011	0.26	<0.1	0.04	2.2	0.2	0.12	7	<0.5	<0.2
122613	Soil	17	44	0.85	156	0.158	<1	2.45	0.013	0.67	0.2	<0.01	4.5	0.4	<0.05	9	<0.5	<0.2
122614	Soil	12	38	0.62	158	0.141	<1	1.73	0.015	0.63	0.1	0.02	3.2	0.4	<0.05	10	<0.5	<0.2
122615	Soil	18	46	0.85	155	0.123	<1	2.29	0.012	0.60	0.2	<0.01	4.3	0.4	<0.05	8	<0.5	<0.2
122616	Soil	17	49	0.99	173	0.181	<1	2.71	0.016	0.73	0.2	<0.01	4.6	0.5	<0.05	10	0.6	<0.2
122617	Soil	15	46	0.88	135	0.181	<1	2.42	0.015	0.82	0.1	0.02	4.3	0.5	<0.05	9	<0.5	<0.2
122618	Soil	19	42	0.79	123	0.146	<1	2.15	0.014	0.63	0.2	0.02	3.9	0.4	<0.05	9	<0.5	<0.2
122619	Soil	22	43	0.89	151	0.141	<1	2.44	0.017	0.66	0.1	0.02	4.2	0.5	<0.05	8	<0.5	<0.2
122620	Soil	30	14	0.29	75	0.033	2	0.90	0.028	0.14	0.6	0.03	1.4	0.2	0.14	3	0.8	<0.2
122621	Soil	54	32	0.69	131	0.129	<1	1.84	0.034	0.47	1.0	0.02	6.2	0.4	0.08	8	1.4	<0.2
122622	Soil	54	31	0.66	131	0.124	1	1.76	0.039	0.45	0.8	0.03	6.1	0.4	<0.05	8	1.8	<0.2
122623	Soil	21	41	0.34	200	0.026	1	1.10	0.007	0.16	0.5	0.04	1.9	0.2	0.12	6	<0.5	<0.2
122624	Soil	30	36	1.40	269	0.374	<1	2.43	0.008	1.13	0.4	<0.01	11.2	0.4	<0.05	14	<0.5	<0.2
122625	Soil	40	25	0.72	221	0.139	<1	1.74	0.006	0.55	0.4	0.01	11.3	0.3	<0.05	9	0.6	<0.2
122626	Soil	38	18	0.45	86	0.075	1	1.03	0.005	0.28	0.7	0.02	3.6	0.2	<0.05	6	0.8	<0.2
122627	Soil	13	7	0.07	25	0.010	<1	0.78	0.003	0.03	0.4	0.03	0.7	0.1	<0.05	4	0.7	<0.2
122628	Soil	16	12	0.17	24	0.021	<1	0.62	0.006	0.07	0.3	0.04	1.3	<0.1	<0.05	3	0.7	<0.2
122629	Soil	26	13	0.24	42	0.028	<1	0.86	0.004	0.06	0.3	0.01	1.7	<0.1	<0.05	3	<0.5	<0.2
122630	Soil	11	10	0.18	21	0.030	<1	0.70	0.005	0.05	0.2	0.02	1.5	<0.1	<0.05	5	<0.5	<0.2
122631	Soil	22	15	0.40	67	0.072	1	1.08	0.006	0.15	0.4	0.02	2.4	0.2	<0.05	5	<0.5	<0.2
122632	Soil	26	34	0.53	112	0.072	<1	1.57	0.008	0.22	0.3	0.01	4.7	0.2	<0.05	7	<0.5	<0.2
122633	Soil	66	16	0.38	130	0.064	<1	1.19	0.008	0.12	0.4	0.01	4.2	0.2	<0.05	5	<0.5	<0.2
122634	Soil	19	29	0.61	115	0.100	<1	1.32	0.006	0.25	0.4	<0.01	4.5	0.2	<0.05	6	<0.5	<0.2
122635	Soil	16	23	0.48	72	0.066	<1	1.13	0.008	0.18	0.4	0.02	3.4	0.1	<0.05	5	<0.5	<0.2
122636	Soil	28	33	0.64	139	0.073	<1	1.41	0.008	0.24	0.4	0.02	4.6	0.2	<0.05	5	0.9	<0.2



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Project: Glitter
 Report Date: November 27, 2011

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CERTIFICATE OF ANALYSIS

WHI11001342.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
122637	Soil	1.3	17.5	6.5	80	<0.1	11.9	10.1	534	3.78	5.0	1.4	1.6	5.4	7	0.2	0.2	0.6	67	0.13	0.074
122638	Soil	0.8	27.7	16.2	77	0.1	81.7	19.2	855	3.74	10.3	4.2	2.7	4.6	10	0.1	0.7	1.2	59	0.27	0.079
122639	Soil	1.1	26.9	4.5	100	<0.1	17.0	13.3	674	4.13	7.4	2.2	1.8	7.1	11	0.3	0.3	0.3	71	0.28	0.108
122640	Soil	1.5	32.8	6.6	135	<0.1	21.1	15.2	916	5.18	2.6	1.9	<0.5	8.5	8	0.3	0.3	0.6	102	0.21	0.109
122641	Soil	1.8	25.0	7.9	111	<0.1	19.4	15.6	816	4.87	4.3	4.9	<0.5	8.5	11	0.1	0.4	0.7	78	0.33	0.147
122642	Soil	0.8	11.2	29.5	67	0.1	6.4	5.5	1047	2.40	11.2	5.2	4.9	6.3	20	0.1	1.0	1.7	18	0.33	0.137
122643	Soil	1.6	28.7	2.7	79	<0.1	17.7	13.7	687	3.71	4.6	7.7	0.8	4.3	42	0.2	0.3	0.3	82	1.71	0.073
122644	Soil	1.5	18.4	5.6	79	<0.1	20.2	12.2	554	3.94	4.2	4.1	0.9	5.8	18	0.2	0.2	0.5	88	0.46	0.060
122645	Soil	0.2	5.4	1.3	6	<0.1	1.9	1.3	63	0.43	0.7	1.2	<0.5	0.4	15	<0.1	<0.1	<0.1	11	0.19	0.035
122646	Soil	2.4	23.5	13.5	77	0.1	34.4	13.3	925	3.92	10.0	13.9	2.8	8.0	28	0.1	0.7	1.1	73	0.77	0.088
122647	Soil	1.8	8.0	6.5	33	<0.1	10.2	4.3	456	1.32	20.4	1.0	1.4	0.6	11	0.6	0.8	0.5	26	0.05	0.030
122648	Soil	1.7	17.1	7.1	53	<0.1	15.6	6.8	231	2.79	7.5	1.8	<0.5	5.1	8	<0.1	0.5	0.5	60	0.09	0.045
122649	Soil	1.0	26.5	16.0	82	<0.1	32.3	13.6	450	3.42	6.4	4.7	0.9	9.7	11	0.1	0.7	0.9	43	0.10	0.045
122650	Soil	1.3	15.8	11.9	58	<0.1	16.5	6.6	196	2.31	7.4	2.7	1.3	6.2	11	<0.1	0.6	0.9	36	0.09	0.031
122651	Soil	0.7	23.4	13.9	57	0.1	22.1	8.2	296	2.63	6.3	4.2	1.4	0.9	15	0.1	0.4	0.5	26	0.10	0.076
122652	Soil	0.7	15.7	11.0	26	<0.1	8.4	4.4	885	1.25	3.1	5.8	0.8	0.2	16	<0.1	0.2	0.5	24	0.23	0.104
122653	Soil	1.3	9.6	10.7	37	0.1	6.4	2.0	68	1.10	4.6	2.6	5.2	0.4	10	<0.1	0.7	0.6	23	0.03	0.068
122654	Soil	1.4	13.6	19.5	67	0.2	21.0	7.2	186	2.65	9.4	2.6	1.4	2.2	15	0.4	0.6	0.5	47	0.16	0.077
122655	Soil	1.2	3.3	8.6	43	<0.1	3.1	0.9	38	0.77	1.8	2.1	<0.5	1.1	7	<0.1	0.2	0.4	7	0.04	0.055
122656	Soil	0.6	3.3	13.4	22	<0.1	2.9	1.2	47	0.90	2.8	2.6	<0.5	1.2	7	0.1	0.4	0.5	14	0.01	0.031
122657	Soil	1.2	4.0	15.8	30	<0.1	5.2	1.9	506	1.23	2.4	3.3	1.1	10.5	24	0.1	0.2	0.5	6	0.25	0.071
124818	Soil	0.5	18.7	8.2	67	<0.1	27.8	12.9	321	3.43	2.4	1.3	<0.5	6.7	20	<0.1	0.1	0.2	46	0.21	0.035
124819	Soil	0.7	31.4	14.0	77	<0.1	36.2	17.1	437	4.09	3.7	1.4	1.2	9.8	23	<0.1	0.3	0.2	52	0.21	0.041
124820	Soil	0.7	24.0	12.9	78	<0.1	34.3	16.1	382	4.10	4.8	1.2	<0.5	9.0	22	0.2	0.3	0.3	53	0.20	0.035
124821	Soil	0.5	22.2	9.2	70	<0.1	28.7	13.1	290	3.37	3.8	0.9	0.7	5.7	16	<0.1	0.2	0.2	43	0.19	0.060
124822	Soil	0.5	15.6	9.6	40	0.1	15.0	6.2	184	1.99	2.5	1.4	0.9	0.7	28	<0.1	0.1	0.2	30	0.22	0.075
124823	Soil	0.7	21.8	12.7	61	<0.1	26.5	11.2	239	3.33	3.4	1.3	0.6	2.9	22	<0.1	0.2	0.3	47	0.18	0.063
124824	Soil	0.6	30.7	13.8	78	<0.1	36.9	17.6	375	4.30	2.7	1.1	0.6	5.9	19	<0.1	0.1	0.3	52	0.18	0.033
124825	Soil	1.2	27.2	19.8	67	0.3	25.3	12.1	893	2.77	7.7	3.7	2.7	3.9	105	0.3	0.3	0.3	40	1.46	0.131
124826	Soil	0.9	31.0	16.0	104	<0.1	44.1	18.0	457	4.43	7.2	1.5	1.4	11.9	23	0.1	0.3	0.3	59	0.25	0.047

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
122637	Soil	14	26	0.82	131	0.228	<1	1.55	0.007	0.57	0.3	0.01	6.4	0.3	<0.05	9	<0.5	<0.2
122638	Soil	16	87	0.58	147	0.082	<1	1.19	0.007	0.33	0.3	0.03	11.9	0.3	<0.05	5	<0.5	<0.2
122639	Soil	29	31	1.08	263	0.225	<1	1.86	0.008	0.57	0.3	0.01	7.8	0.3	<0.05	9	0.6	<0.2
122640	Soil	18	45	1.33	212	0.305	<1	2.42	0.011	0.88	0.2	0.03	9.4	0.4	<0.05	13	<0.5	<0.2
122641	Soil	24	35	1.06	190	0.221	<1	2.02	0.007	0.76	0.4	0.02	8.8	0.4	<0.05	9	<0.5	<0.2
122642	Soil	19	8	0.20	137	0.005	<1	0.56	0.003	0.13	0.2	0.02	4.4	0.2	<0.05	2	<0.5	<0.2
122643	Soil	38	41	0.96	388	0.225	4	1.34	0.008	0.71	0.1	0.11	9.6	0.3	0.06	8	1.1	<0.2
122644	Soil	22	48	1.06	300	0.202	1	1.78	0.012	0.41	0.1	0.02	7.2	0.2	<0.05	10	<0.5	<0.2
122645	Soil	18	4	0.06	95	0.019	1	0.44	0.030	0.02	<0.1	0.02	0.7	<0.1	<0.05	1	<0.5	<0.2
122646	Soil	109	67	0.80	314	0.080	2	1.72	0.009	0.29	0.3	0.06	10.5	0.3	<0.05	8	0.6	<0.2
122647	Soil	7	11	0.13	49	0.023	<1	0.42	0.011	0.10	0.1	0.02	1.2	0.1	<0.05	2	<0.5	<0.2
122648	Soil	14	22	0.41	64	0.137	<1	0.84	0.006	0.15	0.2	<0.01	3.9	0.2	<0.05	8	<0.5	<0.2
122649	Soil	23	37	0.72	126	0.130	1	1.75	0.007	0.41	0.4	0.02	4.2	0.4	<0.05	7	<0.5	<0.2
122650	Soil	16	20	0.30	54	0.055	<1	0.77	0.004	0.17	0.3	0.02	2.6	0.2	<0.05	5	<0.5	<0.2
122651	Soil	17	18	0.19	64	0.009	<1	0.88	0.010	0.11	0.2	0.03	1.6	0.1	<0.05	3	0.7	<0.2
122652	Soil	19	9	0.12	88	0.006	<1	0.81	0.014	0.04	0.2	0.02	0.4	0.1	<0.05	3	<0.5	<0.2
122653	Soil	10	11	0.05	31	0.011	2	0.46	0.004	0.05	0.4	0.06	0.5	0.1	<0.05	3	0.6	<0.2
122654	Soil	13	34	0.39	65	0.041	2	1.83	0.005	0.08	0.4	0.11	2.4	0.1	<0.05	5	0.8	<0.2
122655	Soil	7	6	0.03	37	0.002	1	0.43	0.002	0.04	0.2	0.02	0.5	0.1	<0.05	2	<0.5	<0.2
122656	Soil	10	5	0.03	22	0.003	<1	0.52	0.002	0.05	0.4	0.03	0.3	<0.1	<0.05	3	<0.5	<0.2
122657	Soil	12	6	0.13	92	0.002	<1	0.66	0.003	0.08	0.1	<0.01	1.1	0.1	<0.05	2	<0.5	<0.2
124818	Soil	20	47	1.00	159	0.184	<1	2.43	0.011	0.54	0.3	0.02	5.2	0.4	<0.05	9	0.5	<0.2
124819	Soil	28	53	1.12	176	0.195	<1	2.76	0.012	0.65	0.3	<0.01	5.7	0.5	<0.05	10	<0.5	<0.2
124820	Soil	25	53	1.13	166	0.175	<1	2.85	0.009	0.51	0.2	<0.01	5.2	0.5	<0.05	11	<0.5	<0.2
124821	Soil	16	43	0.94	140	0.164	<1	2.28	0.011	0.56	0.2	<0.01	3.8	0.4	<0.05	8	<0.5	<0.2
124822	Soil	17	25	0.48	98	0.041	<1	1.62	0.020	0.13	<0.1	0.02	1.5	0.2	0.06	6	<0.5	<0.2
124823	Soil	19	44	0.71	127	0.110	<1	2.17	0.010	0.43	0.2	0.03	3.2	0.3	<0.05	10	0.5	<0.2
124824	Soil	17	53	1.08	159	0.197	<1	2.89	0.010	0.66	<0.1	0.01	4.9	0.5	<0.05	11	<0.5	<0.2
124825	Soil	69	37	0.63	112	0.081	2	2.04	0.017	0.19	0.2	0.09	4.2	0.2	0.25	7	1.4	<0.2
124826	Soil	35	61	1.10	153	0.194	<1	3.22	0.012	0.70	0.2	0.01	6.0	0.5	<0.05	11	0.5	<0.2

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Project: Glitter
 Report Date: November 27, 2011

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
124827	Soil	0.8	24.4	18.2	75	<0.1	33.0	14.4	374	4.27	7.5	1.4	<0.5	7.2	23	<0.1	0.2	0.3	50	0.25	0.048
124828	Soil	0.6	27.4	21.7	88	<0.1	38.8	16.9	425	4.23	13.2	1.6	<0.5	11.0	38	0.1	0.2	0.3	54	0.34	0.056
124829	Soil	0.7	22.9	33.4	80	<0.1	31.1	15.1	659	3.77	18.7	2.6	0.6	15.2	85	0.2	0.2	0.4	42	0.69	0.057
124830	Soil	0.6	52.0	151.5	41	0.3	49.7	23.3	521	4.43	10.4	2.5	0.8	8.9	319	0.3	0.1	0.4	23	13.29	0.050
124831	Soil	0.4	38.2	33.2	59	0.1	39.3	19.0	372	3.90	9.6	2.0	0.7	9.1	295	0.1	<0.1	0.3	34	9.99	0.051
124832	Soil	0.4	35.4	20.2	75	<0.1	43.1	19.7	418	4.06	7.1	1.3	1.0	8.9	85	0.1	<0.1	0.3	46	0.92	0.060
124833	Soil	0.5	35.9	17.5	75	<0.1	41.1	19.8	382	3.95	6.5	1.3	<0.5	8.1	101	0.1	<0.1	0.3	42	1.81	0.063
124834	Soil	0.5	37.5	30.6	79	<0.1	42.4	19.8	451	4.25	9.1	1.6	0.7	10.1	119	<0.1	0.1	0.4	48	2.48	0.059
124836	Soil	0.6	33.1	18.8	35	0.1	33.1	16.0	431	3.57	7.8	2.3	0.5	12.7	101	0.2	0.1	0.3	21	6.82	0.075
124837	Soil	0.5	25.8	3.0	49	<0.1	12.5	11.0	440	3.67	1.8	2.4	<0.5	8.2	16	<0.1	0.1	0.1	76	0.33	0.083
124838	Soil	1.7	23.5	21.1	87	0.3	19.2	16.4	1606	3.58	6.2	11.7	1.5	2.8	42	0.1	0.5	2.6	59	0.45	0.124
124839	Soil	1.0	14.3	9.0	50	<0.1	16.3	6.1	282	2.48	6.8	4.2	1.0	4.7	12	0.1	0.5	0.5	36	0.09	0.066
124840	Soil	1.0	15.0	8.6	49	<0.1	15.2	6.1	278	2.37	8.3	4.1	1.3	6.9	12	0.2	0.5	0.7	37	0.11	0.060
124841	Soil	0.5	7.4	4.4	31	<0.1	9.4	3.7	207	1.44	5.7	2.9	1.3	21.5	7	0.2	0.5	0.2	15	0.07	0.031
124842	Soil	0.8	11.5	6.5	44	<0.1	14.9	5.5	276	1.87	8.1	3.4	3.0	25.2	13	0.2	0.7	0.3	23	0.13	0.044
124843	Soil	0.8	8.4	5.7	39	<0.1	11.3	4.6	251	1.79	6.4	2.3	0.8	17.3	7	0.1	0.7	0.2	20	0.07	0.041
124844	Soil	1.5	6.6	8.8	29	<0.1	7.1	2.0	102	1.74	7.0	1.6	1.5	8.9	5	<0.1	0.7	0.3	26	0.03	0.034
124845	Soil	1.0	11.6	8.3	45	<0.1	17.3	6.2	261	1.91	8.2	1.8	1.6	15.0	10	0.2	0.7	0.3	32	0.13	0.045
124846	Soil	1.1	11.7	8.1	47	<0.1	15.9	5.4	207	1.87	8.9	1.6	1.8	8.8	10	0.2	0.7	0.4	30	0.10	0.041
125154	Soil	1.7	5.9	17.7	35	<0.1	7.9	2.2	135	1.30	24.5	11.9	5.9	9.4	25	0.1	6.8	3.0	8	0.21	0.052
125155	Soil	1.2	17.8	9.9	39	0.1	13.1	4.3	204	1.97	9.4	4.3	3.5	0.2	12	0.1	0.6	1.1	45	0.12	0.094
125156	Soil	1.4	39.6	19.4	71	2.6	30.1	7.3	459	2.73	23.1	20.4	17.2	1.2	19	0.2	1.0	2.8	46	0.26	0.125
125157	Soil	1.4	18.0	8.0	60	<0.1	9.7	4.6	175	2.69	4.2	2.4	0.9	5.3	7	0.3	0.3	1.9	78	0.08	0.032
125158	Soil	0.9	12.7	10.4	48	<0.1	14.9	4.1	141	1.80	9.9	2.7	1.3	4.0	7	0.2	0.4	2.5	41	0.08	0.030
125159	Soil	2.7	46.1	11.9	79	0.3	122.6	13.9	922	4.74	19.8	7.8	3.1	4.0	7	0.2	0.7	0.9	85	0.11	0.141
125160	Soil	1.3	25.3	7.8	91	<0.1	18.0	12.6	570	3.95	14.4	2.6	2.2	8.3	8	0.3	0.4	0.5	66	0.19	0.089
125161	Soil	4.9	25.0	7.0	101	<0.1	15.1	17.9	720	7.55	79.5	2.3	1.3	4.2	6	0.1	0.6	0.4	125	0.09	0.081
125162	Soil	1.7	27.4	3.5	99	<0.1	14.1	16.1	842	5.49	2.6	2.1	1.5	8.8	6	0.2	0.1	0.2	109	0.28	0.128
125163	Soil	0.6	12.2	1.7	59	<0.1	19.9	13.6	438	3.75	0.8	0.7	0.8	9.1	7	<0.1	<0.1	0.1	101	0.19	0.062
125164	Soil	1.4	21.4	2.4	62	<0.1	24.1	19.2	865	6.25	7.9	2.4	1.7	15.0	9	<0.1	0.2	0.3	103	0.29	0.084

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
124827	Soil	32	51	1.14	116	0.137	1	3.11	0.009	0.39	0.2	0.02	4.4	0.4	<0.05	10	0.5	<0.2
124828	Soil	43	58	1.26	129	0.171	<1	3.19	0.016	0.48	0.2	0.01	5.5	0.4	<0.05	11	<0.5	<0.2
124829	Soil	51	42	1.13	108	0.123	1	2.68	0.028	0.37	0.2	0.02	5.4	0.4	<0.05	11	<0.5	<0.2
124830	Soil	37	26	0.59	54	0.082	2	1.55	0.064	0.26	0.2	0.03	2.7	0.2	0.38	6	0.9	<0.2
124831	Soil	32	39	0.93	59	0.108	1	1.86	0.057	0.40	0.1	0.01	3.7	0.3	0.07	8	0.8	<0.2
124832	Soil	26	54	1.12	124	0.171	<1	2.74	0.037	0.66	0.1	<0.01	5.1	0.5	<0.05	10	<0.5	<0.2
124833	Soil	24	49	1.10	129	0.157	<1	2.57	0.036	0.68	0.1	<0.01	4.7	0.5	<0.05	10	<0.5	<0.2
124834	Soil	33	57	1.29	129	0.172	<1	2.61	0.031	0.65	0.3	0.01	5.4	0.5	0.05	10	<0.5	<0.2
124836	Soil	31	27	0.46	41	0.058	1	0.79	0.015	0.14	0.2	<0.01	2.1	0.1	0.32	3	<0.5	<0.2
124837	Soil	22	37	1.31	303	0.268	<1	2.48	0.012	0.86	0.3	<0.01	9.1	0.2	<0.05	12	<0.5	<0.2
124838	Soil	52	30	0.59	214	0.054	<1	2.25	0.009	0.18	0.6	0.08	4.0	0.3	0.09	9	1.1	<0.2
124839	Soil	47	23	0.43	131	0.037	<1	1.65	0.006	0.20	0.4	0.03	2.8	0.2	<0.05	7	<0.5	<0.2
124840	Soil	44	23	0.43	136	0.058	2	1.54	0.008	0.22	0.4	0.02	3.5	0.2	<0.05	6	0.7	<0.2
124841	Soil	41	10	0.25	64	0.033	2	0.81	0.005	0.10	0.4	<0.01	2.7	0.1	<0.05	3	<0.5	<0.2
124842	Soil	49	18	0.32	76	0.053	1	1.02	0.006	0.12	0.4	<0.01	3.2	0.2	<0.05	4	<0.5	<0.2
124843	Soil	27	14	0.28	36	0.031	<1	1.01	0.004	0.08	0.5	0.02	2.4	0.2	<0.05	4	0.5	<0.2
124844	Soil	17	12	0.14	25	0.017	<1	0.80	0.004	0.04	0.4	0.02	1.6	<0.1	0.05	5	<0.5	<0.2
124845	Soil	28	21	0.36	77	0.055	1	1.18	0.006	0.08	0.3	0.01	2.6	0.1	<0.05	4	0.5	<0.2
124846	Soil	23	20	0.32	66	0.040	<1	1.19	0.006	0.08	0.3	0.02	2.3	0.1	<0.05	4	<0.5	<0.2
125154	Soil	52	9	0.14	49	0.005	<1	0.64	0.004	0.07	0.1	0.03	2.4	0.3	<0.05	2	<0.5	<0.2
125155	Soil	21	28	0.24	86	0.009	<1	1.17	0.007	0.07	0.2	0.01	0.7	0.1	0.06	5	<0.5	<0.2
125156	Soil	34	57	0.38	142	0.009	<1	1.78	0.011	0.12	0.8	0.11	4.1	0.2	0.07	5	1.4	<0.2
125157	Soil	21	22	0.22	110	0.086	<1	0.69	0.004	0.15	0.2	0.01	5.2	0.1	<0.05	7	<0.5	<0.2
125158	Soil	21	24	0.31	105	0.067	1	0.88	0.005	0.14	0.3	0.02	2.7	0.1	<0.05	6	<0.5	<0.2
125159	Soil	36	93	0.92	146	0.046	2	2.13	0.005	0.19	0.5	0.05	5.3	0.2	0.14	8	0.9	<0.2
125160	Soil	23	29	0.84	118	0.210	<1	1.80	0.007	0.45	0.3	0.02	7.1	0.2	<0.05	8	0.7	<0.2
125161	Soil	28	30	0.44	123	0.075	<1	1.55	0.003	0.19	<0.1	0.02	10.1	0.2	<0.05	8	<0.5	<0.2
125162	Soil	25	38	1.30	235	0.280	<1	2.48	0.009	0.61	0.2	<0.01	10.3	0.2	<0.05	14	<0.5	<0.2
125163	Soil	14	49	1.64	379	0.339	<1	2.17	0.014	0.93	0.2	0.02	8.9	0.2	<0.05	13	<0.5	<0.2
125164	Soil	40	58	1.45	420	0.229	<1	2.44	0.012	0.77	0.2	0.02	14.8	0.2	<0.05	13	0.8	<0.2



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Project: Glitter
 Report Date: November 27, 2011

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CERTIFICATE OF ANALYSIS

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Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
			0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
125165	Soil		1.5	6.6	4.7	55	<0.1	6.9	3.4	798	2.23	2.8	1.7	0.5	3.5	8	0.2	0.2	0.3	38	0.10	0.063
125166	Soil		2.5	6.4	8.0	35	<0.1	8.8	4.0	158	3.02	11.6	2.3	1.4	9.9	6	0.1	0.3	0.5	38	0.02	0.021
125167	Soil		2.3	25.5	10.6	113	<0.1	15.7	23.2	1465	7.25	3.6	7.5	0.7	11.3	14	0.2	0.2	0.6	68	0.69	0.233
125168	Soil		1.8	10.4	5.8	38	<0.1	9.8	5.6	239	3.00	13.8	2.8	0.5	11.2	4	0.1	0.3	0.4	48	0.06	0.040
125169	Soil		2.2	100.0	5.7	91	<0.1	49.5	18.2	625	4.52	12.9	3.1	<0.5	9.7	9	0.3	0.2	0.5	80	0.27	0.073
125170	Soil		1.5	95.9	3.7	69	<0.1	47.6	15.1	420	4.39	2.2	1.4	1.0	4.0	6	0.5	0.1	0.4	103	0.16	0.036
125171	Soil		0.5	38.9	4.9	25	<0.1	410.4	76.1	2166	5.96	4.5	1.6	1.0	1.8	10	0.4	0.1	0.8	46	0.06	0.047
125173	Soil		1.5	22.9	6.2	49	<0.1	16.3	7.8	280	2.61	4.7	1.6	1.1	6.7	9	0.3	0.3	0.4	57	0.20	0.056
125174	Soil		1.9	17.3	15.9	67	<0.1	21.2	9.5	271	3.70	13.0	1.6	1.1	8.0	10	<0.1	0.7	0.8	76	0.08	0.028
125175	Soil		1.4	19.2	16.1	69	<0.1	25.9	11.9	339	3.45	17.7	2.0	1.0	8.7	11	0.1	0.4	0.7	56	0.14	0.042
125176	Soil		2.1	28.5	20.1	79	0.1	46.7	17.6	482	3.48	6.3	5.2	1.4	6.7	20	0.2	0.5	0.9	47	0.30	0.054
125177	Soil		1.6	38.1	21.6	74	0.2	69.7	29.6	902	4.98	5.4	9.0	1.5	6.4	28	0.2	0.3	0.7	67	0.53	0.043
125178	Soil		1.6	35.4	11.6	93	0.2	35.2	19.5	562	4.86	4.9	2.2	3.8	8.3	15	0.2	0.4	0.6	116	0.34	0.103
125179	Soil		1.7	40.2	20.2	111	<0.1	34.8	20.7	741	4.94	4.2	1.8	1.2	6.9	13	0.2	0.5	0.8	118	0.42	0.139
125180	Soil		1.3	143.4	10.5	95	0.1	47.4	12.9	612	3.18	3.9	2.0	2.1	1.9	16	0.1	0.4	0.6	88	0.44	0.065
125181	Soil		3.1	34.2	27.6	107	<0.1	18.9	16.2	1329	4.79	6.4	8.1	1.4	6.6	11	0.5	0.9	2.0	32	0.50	0.137
125182	Soil		1.8	17.3	13.3	46	<0.1	14.9	5.1	109	2.11	58.7	2.9	1.4	0.7	10	0.1	0.9	1.0	39	0.03	0.061
133423	Soil		1.6	24.4	19.7	86	<0.1	28.3	11.4	570	3.92	11.4	3.3	2.1	4.1	29	0.2	0.6	0.6	46	0.21	0.107
133424	Soil		1.1	19.0	14.4	108	<0.1	25.8	10.1	575	3.07	8.8	1.8	1.3	8.1	35	0.2	0.5	0.5	31	0.35	0.082
133425	Soil		1.2	14.7	13.5	59	0.1	20.8	8.1	327	2.85	12.9	2.2	2.1	5.0	24	0.1	0.6	0.7	27	0.17	0.068
133426	Soil		1.2	19.9	13.4	74	<0.1	25.6	11.1	331	3.34	12.5	1.7	1.6	9.1	20	0.1	0.6	0.4	36	0.17	0.049
133427	Soil		0.6	24.1	12.2	84	<0.1	32.8	14.0	325	3.61	4.2	1.6	0.6	9.6	28	0.1	0.3	0.3	48	0.28	0.055
133428	Soil		0.8	21.9	12.3	83	<0.1	32.9	13.4	322	3.70	3.9	0.9	0.9	4.9	15	0.2	0.3	0.3	46	0.16	0.038
133429	Soil		0.6	22.0	10.3	83	<0.1	31.4	13.0	278	3.64	2.5	1.1	1.1	6.6	16	<0.1	0.2	0.3	45	0.19	0.047
133430	Soil		0.8	25.1	11.0	82	<0.1	35.5	15.4	353	3.82	3.6	1.3	0.9	7.5	15	0.1	0.3	0.3	47	0.17	0.053
133431	Soil		0.8	25.9	12.7	74	<0.1	33.9	14.9	372	3.15	7.5	1.4	0.9	8.9	42	<0.1	0.4	0.3	42	0.25	0.050
133432	Soil		0.8	17.8	11.7	59	<0.1	29.9	10.4	312	2.60	7.5	1.5	2.1	4.3	142	0.2	0.5	0.3	34	0.54	0.066
133433	Soil		1.2	12.7	12.9	53	<0.1	17.9	6.9	290	2.30	3.3	1.0	0.8	2.2	42	0.2	0.4	0.5	33	0.28	0.052
133434	Soil		0.3	18.2	38.4	21	0.1	24.7	12.0	234	1.93	13.7	0.6	1.9	2.4	946	0.2	0.2	0.2	11	9.25	0.050
133435	Soil		0.8	31.2	22.1	92	0.1	40.8	18.0	567	3.80	8.4	2.6	1.6	9.9	153	0.2	0.3	0.4	47	0.78	0.048

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Project: Glitter
 Report Date: November 27, 2011

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
125165	Soil	14	10	0.27	84	0.047	<1	0.78	0.005	0.19	0.3	0.06	2.6	0.1	0.07	7	<0.5	<0.2
125166	Soil	17	14	0.17	34	0.023	<1	0.91	0.003	0.10	0.5	0.03	3.3	0.2	<0.05	7	0.5	<0.2
125167	Soil	56	20	0.67	200	0.088	<1	1.46	0.004	0.52	<0.1	0.03	19.5	0.3	<0.05	7	1.0	<0.2
125168	Soil	18	25	0.32	50	0.079	<1	1.05	0.009	0.14	0.4	0.05	4.2	<0.1	<0.05	7	<0.5	<0.2
125169	Soil	19	104	0.91	155	0.149	<1	1.98	0.011	0.34	0.3	0.02	8.4	0.3	<0.05	9	0.6	<0.2
125170	Soil	10	129	1.24	111	0.232	1	2.09	0.010	0.47	0.2	0.03	7.5	0.3	<0.05	10	0.6	<0.2
125171	Soil	7	333	2.56	107	0.043	4	1.01	0.005	0.02	1.1	0.01	12.2	0.1	<0.05	3	<0.5	<0.2
125173	Soil	16	23	0.59	104	0.165	<1	1.11	0.012	0.24	0.2	<0.01	4.2	0.1	<0.05	7	<0.5	<0.2
125174	Soil	22	44	0.68	66	0.161	1	2.08	0.008	0.19	0.3	0.02	4.7	0.2	<0.05	11	0.8	<0.2
125175	Soil	24	41	0.75	97	0.163	<1	2.02	0.012	0.33	0.3	0.01	4.8	0.2	<0.05	9	<0.5	<0.2
125176	Soil	30	58	0.69	111	0.063	<1	1.38	0.013	0.20	0.5	0.02	4.9	0.2	<0.05	6	<0.5	<0.2
125177	Soil	21	68	0.64	116	0.010	<1	1.59	0.024	0.15	0.2	0.02	16.2	0.2	<0.05	5	0.8	<0.2
125178	Soil	27	66	1.30	329	0.241	<1	2.67	0.012	0.61	0.6	0.03	8.7	0.4	<0.05	10	0.6	<0.2
125179	Soil	20	68	1.53	331	0.299	<1	2.58	0.013	0.78	0.3	0.02	8.4	0.5	<0.05	11	0.7	<0.2
125180	Soil	17	78	0.69	311	0.051	1	1.91	0.014	0.19	0.6	0.02	8.3	0.2	0.05	7	0.6	<0.2
125181	Soil	27	10	0.14	131	0.004	<1	0.74	0.002	0.17	0.2	0.02	7.8	0.2	<0.05	2	0.6	<0.2
125182	Soil	15	15	0.11	43	0.010	<1	0.61	0.004	0.09	0.5	0.03	1.2	0.3	0.05	4	<0.5	<0.2
133423	Soil	57	38	0.64	162	0.033	<1	2.77	0.010	0.20	0.6	0.04	3.6	0.3	0.09	10	1.1	<0.2
133424	Soil	43	31	0.52	126	0.069	2	2.09	0.013	0.26	0.9	0.02	3.6	0.2	<0.05	7	<0.5	<0.2
133425	Soil	47	24	0.40	102	0.028	1	1.72	0.006	0.13	1.0	0.02	2.6	0.2	<0.05	6	<0.5	<0.2
133426	Soil	31	33	0.64	100	0.104	1	1.89	0.007	0.27	0.4	0.01	3.6	0.3	<0.05	7	<0.5	<0.2
133427	Soil	32	48	0.92	156	0.180	<1	2.70	0.013	0.48	0.4	<0.01	5.0	0.4	<0.05	9	<0.5	<0.2
133428	Soil	16	47	0.87	162	0.168	1	2.47	0.011	0.55	0.3	<0.01	3.8	0.4	<0.05	9	<0.5	<0.2
133429	Soil	21	46	0.90	152	0.174	<1	2.41	0.012	0.59	0.3	<0.01	3.8	0.4	<0.05	9	<0.5	<0.2
133430	Soil	25	48	0.94	171	0.176	<1	2.53	0.011	0.60	0.3	0.01	4.1	0.5	<0.05	9	<0.5	<0.2
133431	Soil	28	40	0.82	117	0.138	<1	2.52	0.019	0.33	0.8	0.02	3.9	0.4	<0.05	9	<0.5	<0.2
133432	Soil	21	29	0.52	112	0.070	2	2.16	0.045	0.10	1.6	0.03	2.7	0.2	<0.05	7	<0.5	<0.2
133433	Soil	14	25	0.34	70	0.080	1	1.06	0.009	0.22	0.5	0.03	1.8	0.2	<0.05	7	<0.5	<0.2
133434	Soil	14	12	0.16	42	0.031	2	1.54	0.089	0.09	0.3	<0.01	1.8	<0.1	0.13	4	<0.5	<0.2
133435	Soil	45	41	0.79	101	0.168	<1	2.40	0.059	0.45	0.7	0.02	4.9	0.4	<0.05	9	<0.5	<0.2

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CERTIFICATE OF ANALYSIS

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Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
			0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
133436	Soil		4.0	22.4	22.8	107	0.2	38.2	15.6	549	3.83	13.0	4.5	2.2	13.3	73	0.6	0.6	1.1	47	0.55	0.082
133437	Soil		1.9	50.2	73.0	152	0.2	60.7	26.7	836	4.60	18.8	3.2	2.3	10.6	119	0.7	0.5	0.7	44	1.21	0.067
133438	Soil		1.5	26.2	31.4	108	0.1	37.1	19.4	775	4.57	14.8	2.7	2.7	13.6	62	0.2	1.2	0.6	49	0.44	0.056
133439	Soil		0.7	18.6	6.5	42	<0.1	44.7	12.2	501	2.17	2.9	1.3	0.8	1.5	24	<0.1	0.3	0.2	38	0.22	0.056
133440	Soil		0.5	20.8	10.7	53	<0.1	90.8	13.1	322	2.62	6.7	3.5	1.3	2.7	14	<0.1	0.3	1.0	54	0.27	0.060
133441	Soil		1.1	14.1	25.4	79	<0.1	14.2	7.3	651	2.63	12.4	4.4	3.8	7.2	7	0.3	0.6	5.6	38	0.22	0.106
133442	Soil		1.4	28.0	5.5	84	0.2	20.0	11.0	600	4.02	27.6	4.7	2.4	8.0	9	0.1	0.6	0.5	76	0.17	0.099
133443	Soil		2.4	20.4	6.3	72	<0.1	20.3	8.7	446	4.24	11.0	4.8	1.5	12.4	8	0.2	0.7	0.3	71	0.12	0.078
133444	Soil		2.7	25.9	11.6	104	<0.1	27.1	6.2	353	2.60	21.1	4.4	1.9	1.2	10	0.3	1.6	0.5	57	0.10	0.108
133445	Soil		2.3	18.9	11.7	76	0.1	20.7	7.2	653	3.19	7.6	6.9	1.3	8.6	9	0.1	0.8	0.8	50	0.09	0.100
133446	Soil		2.1	12.0	6.9	62	<0.1	17.9	5.5	345	2.45	13.5	4.4	6.0	18.9	10	0.2	1.8	0.4	34	0.10	0.058
133447	Soil		4.5	10.0	10.8	48	0.3	14.8	2.7	104	3.12	30.4	13.3	18.4	15.3	4	0.7	4.9	0.3	27	0.03	0.058
133448	Soil		0.8	3.3	3.6	34	<0.1	4.4	1.7	453	1.88	<0.5	2.1	<0.5	21.3	6	0.2	0.3	0.2	13	0.08	0.033
133449	Soil		15.8	228.9	35.9	830	0.3	134.1	20.1	614	5.39	33.7	17.5	6.1	7.9	29	1.6	2.2	1.2	206	0.31	0.218
133450	Soil		1.2	23.2	14.6	71	0.3	24.9	9.0	384	3.47	6.9	11.3	6.1	2.5	18	<0.1	0.6	0.7	44	0.26	0.074
133451	Soil		1.8	28.4	19.0	75	0.4	30.0	10.3	323	3.73	5.8	19.4	4.3	6.5	20	0.1	0.7	0.6	36	0.38	0.073
133452	Soil		0.9	48.9	15.7	89	<0.1	37.6	23.0	581	5.26	3.3	3.8	0.6	3.5	20	<0.1	0.2	0.6	54	0.26	0.070
133453	Soil		1.4	19.2	16.1	59	<0.1	12.6	4.2	420	2.06	7.0	5.7	0.8	0.8	9	0.2	0.7	1.1	25	0.09	0.112
133454	Soil		1.5	14.3	13.7	61	<0.1	9.0	3.0	177	1.73	3.4	4.2	1.3	4.2	12	<0.1	0.7	0.9	26	0.05	0.049
133455	Soil		2.3	34.2	19.5	71	0.4	15.5	5.5	336	3.18	18.0	13.4	0.8	0.5	7	0.2	0.7	2.1	46	0.09	0.219
133456	Soil		1.6	39.1	8.9	102	0.2	19.4	14.1	663	4.56	11.5	4.8	1.3	9.8	8	0.4	0.4	0.6	79	0.22	0.100
133457	Soil		1.2	23.3	12.7	82	<0.1	22.4	10.8	451	2.85	8.2	3.5	0.7	4.9	11	0.3	0.5	0.8	49	0.27	0.107
133458	Soil		2.0	49.2	12.9	95	<0.1	39.1	16.8	679	4.26	18.3	3.7	1.3	8.4	10	0.2	0.6	1.1	80	0.24	0.094
133459	Soil		0.8	39.4	3.8	86	<0.1	30.0	27.8	972	7.35	<0.5	2.8	<0.5	10.9	17	0.2	<0.1	0.3	172	0.75	0.199
133460	Soil		1.3	8.1	12.7	21	<0.1	5.9	2.3	177	0.91	2.5	1.6	1.5	1.3	6	<0.1	0.4	2.0	27	0.05	0.033
133461	Soil		1.0	33.6	17.8	97	0.1	25.8	8.1	621	2.56	6.6	3.0	3.7	5.1	7	0.2	0.5	2.7	58	0.17	0.080
133462	Soil		0.8	19.2	9.7	51	<0.1	19.2	5.0	338	1.90	6.6	2.1	1.7	3.1	7	<0.1	0.5	2.0	50	0.22	0.033
133463	Soil		0.9	52.6	13.3	73	<0.1	44.5	11.8	741	2.63	10.6	3.5	2.2	3.5	9	<0.1	0.7	1.7	54	0.25	0.061
133464	Soil		1.1	40.4	10.9	88	0.2	54.2	17.4	747	3.66	13.8	3.9	9.7	7.0	9	0.2	0.7	1.0	64	0.27	0.092
133465	Soil		2.8	14.1	8.4	61	0.2	14.6	5.7	359	2.74	24.9	4.1	2.5	14.8	8	0.2	2.3	1.1	36	0.10	0.102

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



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Project: Glitter
 Report Date: November 27, 2011

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
133436	Soil	53	31	0.58	121	0.112	<1	1.92	0.019	0.33	0.7	0.05	4.4	0.4	<0.05	8	0.5	<0.2
133437	Soil	54	50	0.89	114	0.131	<1	2.18	0.031	0.40	0.7	0.08	5.4	0.5	<0.05	8	<0.5	<0.2
133438	Soil	53	40	0.88	98	0.150	<1	2.13	0.019	0.48	1.1	0.02	5.9	0.5	<0.05	9	<0.5	<0.2
133439	Soil	11	81	0.81	138	0.046	<1	1.66	0.012	0.12	0.4	0.01	2.5	0.1	<0.05	6	<0.5	<0.2
133440	Soil	18	194	1.30	121	0.038	<1	2.16	0.008	0.13	0.8	0.01	6.3	0.2	<0.05	6	<0.5	<0.2
133441	Soil	20	20	0.46	137	0.071	<1	1.20	0.004	0.26	1.0	0.01	3.6	0.2	<0.05	5	<0.5	<0.2
133442	Soil	40	33	1.01	185	0.173	<1	2.22	0.006	0.63	0.9	0.03	8.0	0.4	<0.05	10	<0.5	<0.2
133443	Soil	72	36	0.67	247	0.087	<1	1.61	0.005	0.30	0.4	0.01	7.7	0.2	<0.05	9	<0.5	<0.2
133444	Soil	33	22	0.24	63	0.014	<1	1.26	0.003	0.08	0.5	0.02	1.2	0.3	<0.05	5	<0.5	<0.2
133445	Soil	70	22	0.36	100	0.036	<1	1.65	0.014	0.10	0.7	0.05	3.2	0.2	<0.05	6	0.7	<0.2
133446	Soil	48	17	0.30	73	0.029	<1	1.12	0.004	0.09	0.5	0.02	2.9	0.4	<0.05	4	<0.5	<0.2
133447	Soil	74	12	0.05	48	0.007	<1	0.97	0.004	0.04	0.2	0.07	2.5	1.3	<0.05	5	<0.5	<0.2
133448	Soil	21	4	0.08	51	<0.001	<1	0.85	0.002	0.04	0.1	0.01	2.5	0.2	<0.05	2	<0.5	<0.2
133449	Soil	40	69	1.03	245	0.061	<1	2.48	0.040	0.47	1.4	0.04	10.0	0.9	0.27	9	5.5	0.2
133450	Soil	34	40	0.74	128	0.060	<1	2.09	0.006	0.15	0.3	0.03	4.6	0.3	<0.05	7	0.6	<0.2
133451	Soil	36	32	0.57	92	0.045	<1	1.48	0.005	0.15	0.3	0.04	5.6	0.2	<0.05	6	0.8	<0.2
133452	Soil	18	54	1.23	222	0.192	<1	2.99	0.013	0.59	0.3	<0.01	5.0	0.3	0.06	12	<0.5	<0.2
133453	Soil	19	19	0.18	96	0.008	<1	0.98	0.004	0.10	0.6	0.02	1.0	0.1	<0.05	4	<0.5	<0.2
133454	Soil	16	15	0.13	54	0.008	<1	0.67	0.004	0.09	0.4	0.01	1.5	0.1	<0.05	4	<0.5	<0.2
133455	Soil	38	28	0.25	108	0.007	<1	1.90	0.004	0.09	0.4	0.05	1.1	0.2	0.10	6	0.6	<0.2
133456	Soil	29	34	1.03	192	0.207	<1	2.22	0.007	0.50	0.5	0.02	7.3	0.3	<0.05	11	<0.5	<0.2
133457	Soil	18	28	0.58	106	0.090	<1	1.40	0.007	0.22	0.3	0.02	3.7	0.2	<0.05	5	0.7	<0.2
133458	Soil	24	63	0.98	154	0.157	<1	2.18	0.007	0.34	0.4	<0.01	6.2	0.4	<0.05	8	<0.5	<0.2
133459	Soil	46	82	2.10	372	0.400	<1	3.85	0.014	1.39	0.2	<0.01	15.9	0.9	<0.05	16	<0.5	<0.2
133460	Soil	14	14	0.07	52	0.052	1	0.44	0.003	0.05	0.2	0.02	1.1	0.1	0.07	4	<0.5	<0.2
133461	Soil	15	35	0.42	299	0.067	<1	1.32	0.005	0.27	4.6	0.04	4.3	0.4	<0.05	6	0.7	<0.2
133462	Soil	11	31	0.33	163	0.051	<1	0.86	0.005	0.12	0.5	0.02	3.1	0.1	<0.05	5	<0.5	<0.2
133463	Soil	12	71	0.68	174	0.039	<1	1.43	0.008	0.17	0.3	<0.01	5.6	0.2	<0.05	5	<0.5	<0.2
133464	Soil	18	76	0.88	170	0.109	<1	1.84	0.006	0.32	0.6	0.02	7.8	0.4	<0.05	6	0.7	<0.2
133465	Soil	22	16	0.26	55	0.027	<1	0.97	0.007	0.16	0.4	0.02	4.0	0.3	<0.05	4	0.7	<0.2



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Project: Glitter
 Report Date: November 27, 2011

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CERTIFICATE OF ANALYSIS

WHI11001342.1

Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
			0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
133466	Soil		1.2	26.4	14.4	91	<0.1	26.5	12.0	391	3.73	10.6	2.5	<0.5	7.7	9	0.2	0.5	0.6	58	0.18	0.095
133467	Soil		1.3	14.5	7.2	42	<0.1	9.8	4.3	136	2.16	8.7	1.8	1.2	6.7	5	<0.1	0.6	0.9	55	0.04	0.031
133468	Soil		1.5	73.8	30.1	77	<0.1	26.3	10.8	410	5.00	16.8	7.3	<0.5	2.5	14	<0.1	0.3	2.2	37	0.07	0.086
133469	Soil		0.9	32.3	13.4	48	<0.1	16.9	7.2	247	2.27	7.0	3.5	1.6	1.0	9	<0.1	0.6	0.6	29	0.07	0.081
133470	Soil		0.9	11.9	44.1	63	0.2	12.3	5.1	420	1.72	6.4	8.6	1.3	3.9	24	0.2	0.8	3.3	18	0.26	0.104
133471	Soil		1.2	23.0	27.1	72	0.2	23.0	8.8	426	3.23	7.5	11.6	1.7	3.0	9	0.2	0.4	3.9	24	0.22	0.113
133472	Soil		2.1	22.2	37.3	53	0.5	22.2	8.2	264	3.37	42.5	9.9	11.2	4.1	21	<0.1	2.6	2.4	24	0.08	0.094
133473	Soil		2.2	6.0	41.2	51	0.1	3.0	1.8	410	1.83	8.1	7.7	<0.5	9.4	26	0.1	0.7	0.9	4	0.14	0.071
134342	Soil		0.4	17.8	17.5	59	<0.1	23.7	11.2	332	3.37	1.9	0.8	<0.5	4.4	42	<0.1	0.1	0.4	46	0.25	0.040
134343	Soil		0.7	19.0	10.0	51	<0.1	21.7	9.3	225	3.06	2.5	1.0	<0.5	2.6	9	0.1	0.2	0.2	42	0.07	0.057
134344	Soil		0.6	17.3	10.3	50	<0.1	23.4	9.9	230	3.20	1.8	1.2	0.9	1.1	8	<0.1	0.2	0.2	46	0.06	0.068
134345	Soil		0.7	19.5	9.7	69	<0.1	26.6	12.3	284	3.35	3.2	0.8	1.2	5.3	10	<0.1	0.2	0.2	39	0.10	0.049
134346	Soil		0.7	21.9	12.6	60	<0.1	25.9	11.2	267	3.48	5.0	1.2	<0.5	4.3	22	<0.1	0.2	0.3	40	0.20	0.086
134347	Soil		0.6	22.5	12.8	65	<0.1	26.0	14.8	347	3.66	8.5	1.3	<0.5	8.4	33	<0.1	0.2	0.2	42	0.32	0.080
134348	Soil		0.5	21.5	18.8	68	<0.1	26.0	13.0	408	3.38	8.0	1.6	4.0	8.9	98	0.1	0.2	0.3	35	0.62	0.100
134349	Soil		1.9	23.0	38.6	100	0.1	27.1	14.1	1102	4.11	12.8	4.0	4.8	8.5	31	0.2	0.6	0.9	51	0.28	0.102
134350	Soil		0.4	20.8	13.1	79	<0.1	25.3	13.8	566	4.01	27.1	1.6	2.5	17.9	167	0.1	0.2	0.2	56	0.90	0.107
134351	Soil		1.0	20.4	15.7	79	<0.1	23.9	10.0	473	2.98	7.7	3.0	7.2	15.9	26	<0.1	0.5	0.3	43	0.30	0.098
134352	Soil		1.2	20.1	18.4	72	<0.1	25.1	10.5	386	2.88	9.8	2.4	3.0	12.0	19	0.1	0.6	0.3	43	0.20	0.075
134353	Soil		1.2	20.9	21.6	75	<0.1	22.0	9.5	443	2.92	7.9	3.8	3.5	15.1	29	0.1	0.5	0.4	39	0.32	0.094
134354	Soil		0.7	23.4	21.0	69	<0.1	31.3	18.8	591	4.41	8.5	1.8	1.5	12.8	93	<0.1	<0.1	0.2	71	1.06	0.124
134355	Soil		0.9	9.5	15.2	51	<0.1	39.1	18.4	483	3.62	11.5	2.0	<0.5	14.2	74	<0.1	<0.1	0.2	81	0.99	0.143
134356	Soil		1.1	10.1	20.0	58	<0.1	22.1	12.7	524	3.42	11.7	2.7	2.3	18.7	74	<0.1	0.1	0.3	45	0.78	0.117
134357	Soil		0.8	10.5	33.6	54	<0.1	15.6	9.0	452	2.79	7.2	3.2	4.5	20.0	51	<0.1	0.2	0.5	30	0.60	0.072
134358	Soil		0.7	54.6	213.6	97	0.4	43.2	23.7	534	4.79	15.1	2.5	1.3	13.1	148	0.2	0.3	0.8	58	2.85	0.081
134359	Soil		0.8	11.5	18.2	54	<0.1	11.0	8.2	492	2.64	8.1	4.0	5.8	16.5	18	<0.1	0.2	0.4	30	0.24	0.079
134360	Soil		0.8	16.6	9.9	51	<0.1	12.9	4.4	158	1.91	6.7	1.3	3.1	4.7	9	<0.1	0.6	0.3	34	0.09	0.061
134361	Soil		0.8	15.2	8.9	56	<0.1	21.1	8.7	362	2.44	6.5	1.7	3.4	11.9	18	0.2	0.4	0.2	27	0.15	0.048
134362	Soil		0.8	16.1	7.9	57	<0.1	18.0	7.5	289	2.51	8.9	1.9	5.0	15.3	19	0.1	0.5	0.3	25	0.18	0.052
134363	Soil		0.6	18.0	8.8	68	<0.1	24.4	9.9	249	2.81	6.0	1.0	1.6	9.0	19	<0.1	0.3	0.2	38	0.17	0.036

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
133466	Soil	30	47	0.94	125	0.156	<1	2.42	0.017	0.46	0.3	0.02	5.7	0.3	<0.05	9	0.9	<0.2
133467	Soil	14	14	0.21	32	0.108	<1	0.67	0.003	0.13	0.5	0.02	2.2	0.1	<0.05	8	<0.5	<0.2
133468	Soil	11	32	0.69	135	0.163	<1	1.82	0.020	0.76	0.6	0.03	2.6	0.6	0.20	7	0.8	<0.2
133469	Soil	12	23	0.38	93	0.051	<1	1.46	0.018	0.32	0.2	0.03	2.1	0.2	<0.05	5	0.6	<0.2
133470	Soil	14	15	0.24	93	0.009	<1	0.75	0.003	0.10	0.3	0.02	2.0	0.2	<0.05	2	0.6	<0.2
133471	Soil	22	21	0.31	98	0.026	<1	0.96	0.004	0.18	0.3	0.04	2.5	0.2	<0.05	4	0.7	<0.2
133472	Soil	13	20	0.06	76	0.001	<1	0.67	0.002	0.11	0.6	0.07	4.3	0.4	0.05	2	0.5	<0.2
133473	Soil	22	4	0.04	95	<0.001	<1	0.40	<0.001	0.08	0.4	0.02	1.7	0.1	<0.05	1	0.6	<0.2
134342	Soil	15	42	0.80	170	0.182	<1	2.16	0.009	0.32	0.1	0.02	4.5	0.3	<0.05	10	<0.5	<0.2
134343	Soil	13	37	0.63	95	0.115	<1	1.95	0.012	0.45	0.1	0.02	3.3	0.3	<0.05	8	0.6	<0.2
134344	Soil	13	41	0.67	113	0.092	<1	2.19	0.012	0.47	<0.1	0.03	2.9	0.3	<0.05	9	0.7	<0.2
134345	Soil	14	39	0.81	104	0.144	<1	2.26	0.009	0.39	0.1	0.03	3.6	0.3	<0.05	8	0.6	<0.2
134346	Soil	18	38	0.82	96	0.127	<1	2.27	0.013	0.47	0.3	0.02	3.4	0.3	<0.05	10	<0.5	<0.2
134347	Soil	29	38	1.14	130	0.183	<1	2.72	0.015	0.53	0.2	<0.01	4.9	0.4	<0.05	11	<0.5	<0.2
134348	Soil	44	32	0.99	130	0.146	<1	3.02	0.029	0.32	0.2	0.02	4.6	0.3	<0.05	11	0.8	<0.2
134349	Soil	56	33	0.65	193	0.050	<1	2.92	0.013	0.23	0.3	0.04	4.6	0.3	0.08	11	0.8	<0.2
134350	Soil	65	30	0.83	123	0.243	<1	2.45	0.039	0.46	0.2	0.02	8.5	0.4	<0.05	11	<0.5	<0.2
134351	Soil	64	32	0.72	154	0.107	1	2.07	0.009	0.25	0.4	0.02	5.3	0.2	<0.05	8	0.7	<0.2
134352	Soil	38	36	0.74	115	0.095	<1	2.01	0.010	0.16	0.3	0.02	4.2	0.2	<0.05	7	1.1	<0.2
134353	Soil	47	32	0.79	124	0.104	<1	1.87	0.010	0.25	0.4	0.02	4.6	0.2	<0.05	7	0.9	<0.2
134354	Soil	38	83	2.24	198	0.232	<1	2.86	0.037	0.89	0.1	<0.01	7.4	0.5	<0.05	11	0.6	<0.2
134355	Soil	39	141	2.35	162	0.177	<1	2.65	0.050	0.52	0.1	<0.01	7.4	0.3	<0.05	9	<0.5	<0.2
134356	Soil	42	61	1.30	114	0.128	<1	1.79	0.030	0.42	0.2	<0.01	4.8	0.3	<0.05	7	1.0	<0.2
134357	Soil	40	31	0.80	83	0.068	<1	1.43	0.018	0.28	0.2	<0.01	4.4	0.2	<0.05	5	0.5	<0.2
134358	Soil	52	54	1.16	122	0.186	<1	2.39	0.068	0.49	0.3	0.02	6.4	0.5	0.12	10	0.9	<0.2
134359	Soil	43	28	0.59	88	0.096	<1	1.38	0.014	0.27	0.1	0.03	3.4	0.2	<0.05	6	0.8	<0.2
134360	Soil	15	17	0.21	34	0.035	<1	0.98	0.004	0.08	0.6	0.02	1.9	0.1	<0.05	6	0.8	<0.2
134361	Soil	31	23	0.49	95	0.076	<1	1.54	0.008	0.20	0.4	<0.01	3.0	0.2	<0.05	6	0.6	<0.2
134362	Soil	36	22	0.44	73	0.079	<1	1.37	0.008	0.20	0.8	<0.01	3.7	0.2	<0.05	6	0.9	<0.2
134363	Soil	22	34	0.68	108	0.135	<1	1.98	0.009	0.33	0.3	0.01	3.9	0.3	<0.05	7	0.7	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
134364	Soil	0.8	4.6	5.1	23	<0.1	6.4	2.1	82	1.47	4.3	1.1	<0.5	7.7	9	<0.1	0.5	0.3	22	0.08	0.024
134365	Soil	0.9	13.0	8.5	64	<0.1	20.1	7.7	424	2.54	5.8	2.6	2.7	14.7	20	0.2	1.3	0.5	32	0.18	0.054
134366	Soil	0.8	14.1	9.3	58	<0.1	20.6	8.7	426	2.75	7.9	1.6	<0.5	10.6	21	0.2	0.4	0.3	35	0.21	0.070
134367	Soil	0.7	15.3	8.4	61	<0.1	22.8	9.5	345	2.48	5.0	1.2	1.2	8.9	23	0.2	0.4	0.4	30	0.19	0.066
134368	Soil	0.9	16.4	9.6	61	<0.1	22.2	9.0	440	2.64	7.2	1.9	1.0	12.8	24	0.1	0.5	0.4	32	0.20	0.065
134369	Soil	1.0	16.9	15.3	61	<0.1	25.7	9.0	277	2.54	7.2	1.2	2.3	7.5	22	0.1	0.5	0.3	37	0.16	0.036
134370	Soil	1.1	16.3	7.6	70	<0.1	18.6	11.4	809	4.31	4.8	2.1	1.2	13.6	27	<0.1	0.3	0.3	53	0.36	0.112
134371	Soil	1.3	21.3	12.9	137	<0.1	34.7	15.5	930	4.78	5.9	3.4	1.3	18.2	32	0.2	0.2	0.6	71	0.39	0.082
134372	Soil	1.0	22.5	7.5	84	<0.1	27.9	10.4	483	3.86	12.3	3.2	4.0	2.6	19	0.3	1.1	0.8	73	0.32	0.116
134373	Soil	1.1	25.4	13.7	76	0.2	38.8	9.8	747	3.38	12.2	6.3	2.9	2.6	17	0.1	0.5	1.4	71	0.23	0.102
134374	Soil	1.2	16.9	13.8	84	<0.1	17.5	9.1	383	3.43	14.2	3.0	3.1	6.5	6	0.3	0.6	2.3	55	0.17	0.108
134375	Soil	1.5	21.0	12.9	87	<0.1	14.8	8.0	528	3.51	17.0	3.2	2.3	5.4	11	0.2	0.7	1.5	63	0.12	0.060
134376	Soil	1.7	21.5	7.7	76	0.1	20.1	9.0	401	3.38	22.1	3.7	2.8	9.7	7	0.2	0.8	0.6	63	0.16	0.089
134377	Soil	1.1	23.8	4.2	88	<0.1	22.5	12.2	445	3.69	6.3	2.2	2.1	10.5	7	0.2	0.6	0.2	76	0.29	0.124
134378	Soil	1.9	18.3	6.0	64	<0.1	15.0	4.8	226	2.08	8.6	2.7	<0.5	4.2	7	0.2	0.7	0.4	46	0.13	0.082
134379	Soil	4.4	41.3	12.0	138	<0.1	30.2	9.7	369	4.12	12.6	6.1	2.7	8.0	8	0.4	1.1	0.9	81	0.17	0.127
134380	Soil	1.9	15.4	6.7	69	<0.1	20.7	6.9	287	2.69	6.1	2.8	1.6	8.1	10	0.3	0.7	0.3	49	0.19	0.080
134381	Soil	7.4	96.6	20.4	538	0.1	87.8	22.0	871	3.39	11.7	5.6	3.5	11.0	15	1.1	1.6	0.5	149	0.54	0.178
134382	Soil	4.0	29.9	10.3	146	<0.1	32.7	7.6	353	2.50	6.0	3.6	1.0	4.8	12	0.5	0.7	0.4	108	0.35	0.127
134383	Soil	2.8	6.6	5.5	37	<0.1	7.1	2.2	125	2.18	8.9	1.8	1.6	4.4	4	0.1	0.5	0.4	26	0.03	0.026
134384	Soil	6.7	32.2	5.4	85	0.1	19.9	13.9	806	4.66	3.2	9.0	1.2	20.1	15	0.1	0.2	0.4	93	0.57	0.092
134385	Soil	0.4	53.2	1.3	17	<0.1	31.3	5.7	103	1.06	1.1	0.2	1.2	0.3	4	<0.1	<0.1	<0.1	36	0.13	0.012
134386	Soil	1.4	28.7	3.5	34	<0.1	114.2	11.1	146	2.17	1.3	0.7	1.1	2.6	7	0.2	0.1	0.5	60	0.13	0.018
134387	Soil	2.4	25.4	9.2	54	<0.1	18.8	6.4	262	2.35	5.7	2.4	1.1	3.4	12	<0.1	0.3	0.8	67	0.28	0.036
134388	Soil	1.1	11.8	10.2	43	<0.1	11.4	5.0	175	2.19	4.7	0.9	0.7	2.9	7	<0.1	0.4	0.6	62	0.05	0.023
134389	Soil	1.1	23.2	9.9	74	<0.1	26.6	13.2	376	4.69	8.0	1.3	0.5	8.0	7	0.2	0.4	0.5	73	0.11	0.048
134390	Soil	1.3	9.2	12.2	33	<0.1	11.8	4.1	123	1.81	4.0	1.1	0.8	1.9	7	<0.1	0.4	0.8	53	0.05	0.038
134391	Soil	2.7	13.2	10.0	47	0.2	14.4	4.4	152	2.25	7.2	1.9	1.4	4.9	5	0.1	1.3	0.9	65	0.05	0.040
134392	Soil	1.9	27.5	17.3	90	0.1	36.0	16.6	612	3.86	5.5	3.4	<0.5	6.9	14	0.5	0.3	1.6	82	0.48	0.140
134393	Soil	1.6	21.6	171.3	233	1.6	6.4	4.7	2101	1.48	0.9	4.6	<0.5	21.5	15	3.3	1.1	4.4	4	0.38	0.035



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
134364	Soil	17	8	0.10	28	0.023	<1	0.70	0.003	0.06	0.3	0.02	1.3	0.1	<0.05	5	<0.5	<0.2
134365	Soil	50	25	0.44	119	0.074	2	1.51	0.007	0.22	0.4	0.04	3.8	0.3	<0.05	6	<0.5	<0.2
134366	Soil	46	29	0.59	114	0.087	1	1.70	0.010	0.27	0.8	0.01	3.3	0.2	<0.05	6	<0.5	<0.2
134367	Soil	27	28	0.59	102	0.096	<1	1.70	0.013	0.30	0.7	0.02	2.9	0.3	<0.05	6	<0.5	<0.2
134368	Soil	42	26	0.54	136	0.086	1	1.78	0.012	0.25	1.3	0.01	3.7	0.3	<0.05	6	<0.5	<0.2
134369	Soil	26	32	0.60	107	0.078	2	1.83	0.013	0.18	1.0	0.02	2.9	0.2	<0.05	6	<0.5	<0.2
134370	Soil	47	30	0.90	178	0.227	<1	2.18	0.012	0.82	1.1	0.02	5.5	0.4	<0.05	11	<0.5	<0.2
134371	Soil	66	58	1.00	191	0.185	<1	2.32	0.013	0.74	1.9	0.02	7.8	0.4	<0.05	10	0.5	<0.2
134372	Soil	17	49	0.55	128	0.050	<1	1.57	0.008	0.22	0.4	0.02	5.5	0.2	<0.05	7	<0.5	<0.2
134373	Soil	24	86	0.67	230	0.054	1	2.56	0.008	0.23	0.5	0.03	6.6	0.2	0.05	7	<0.5	<0.2
134374	Soil	19	29	0.60	111	0.074	<1	1.78	0.005	0.24	0.4	0.02	4.4	0.2	<0.05	7	<0.5	<0.2
134375	Soil	22	26	0.56	151	0.096	<1	1.44	0.007	0.36	0.5	0.01	5.0	0.2	<0.05	9	<0.5	<0.2
134376	Soil	27	30	0.73	164	0.075	<1	1.76	0.006	0.26	0.5	0.02	5.2	0.2	<0.05	8	<0.5	<0.2
134377	Soil	26	38	1.16	185	0.191	<1	1.84	0.009	0.63	0.3	<0.01	6.1	0.3	<0.05	10	<0.5	<0.2
134378	Soil	19	20	0.34	99	0.039	<1	0.88	0.007	0.17	0.3	0.01	2.8	0.1	<0.05	6	0.7	<0.2
134379	Soil	61	32	0.58	115	0.031	<1	1.85	0.004	0.20	0.7	0.03	6.3	0.3	<0.05	8	<0.5	<0.2
134380	Soil	48	27	0.53	90	0.038	<1	1.39	0.009	0.12	0.9	0.01	3.0	0.2	<0.05	6	0.7	<0.2
134381	Soil	36	56	0.96	184	0.071	<1	1.51	0.005	0.42	0.9	0.03	8.6	0.6	<0.05	8	0.8	<0.2
134382	Soil	26	37	0.63	102	0.047	2	1.27	0.005	0.17	0.5	0.03	3.1	0.2	<0.05	6	0.5	<0.2
134383	Soil	14	10	0.13	22	0.023	<1	0.64	0.003	0.09	0.7	0.02	1.6	<0.1	<0.05	5	<0.5	<0.2
134384	Soil	154	43	1.15	295	0.177	<1	2.17	0.011	0.54	0.3	0.05	9.2	0.3	<0.05	12	1.1	<0.2
134385	Soil	<1	90	0.64	38	0.037	<1	0.87	0.018	0.03	<0.1	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
134386	Soil	11	148	0.94	70	0.068	<1	0.91	0.007	0.09	0.6	<0.01	2.8	0.1	<0.05	5	<0.5	<0.2
134387	Soil	21	32	0.50	141	0.116	<1	1.15	0.009	0.31	0.3	<0.01	2.5	0.2	<0.05	9	<0.5	<0.2
134388	Soil	14	22	0.29	51	0.120	<1	1.14	0.010	0.19	0.3	<0.01	2.0	0.2	<0.05	10	0.5	<0.2
134389	Soil	17	54	1.12	112	0.197	<1	2.66	0.008	0.41	0.3	0.01	5.8	0.3	<0.05	11	<0.5	<0.2
134390	Soil	16	33	0.25	59	0.097	<1	1.02	0.005	0.14	0.2	0.02	1.6	0.2	<0.05	12	<0.5	<0.2
134391	Soil	13	23	0.29	48	0.040	<1	1.14	0.003	0.11	0.4	0.02	2.3	0.1	<0.05	8	<0.5	<0.2
134392	Soil	17	67	1.23	202	0.173	<1	2.32	0.011	0.53	1.0	<0.01	5.2	0.5	<0.05	9	0.5	<0.2
134393	Soil	54	6	0.16	352	<0.001	<1	1.04	0.001	0.11	<0.1	0.04	2.2	0.3	<0.05	4	0.8	<0.2

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



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	Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
			MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	
134394	Soil		1.3	15.1	11.3	51	<0.1	9.1	4.7	156	2.25	1.8	1.3	0.7	1.8	6	0.2	0.5	1.7	98	0.07	0.033
134395	Soil		1.0	55.0	9.2	94	0.1	46.1	15.9	916	3.67	5.8	2.2	8.4	7.1	12	0.2	0.7	0.4	82	0.25	0.070
134396	Soil		1.6	37.3	7.6	57	<0.1	21.1	5.6	224	2.04	2.1	0.9	1.7	3.6	5	<0.1	0.4	0.5	107	0.05	0.017
134397	Soil		1.2	36.7	7.7	82	<0.1	25.0	6.2	408	2.36	0.8	1.2	31.5	4.2	3	0.1	0.3	0.4	109	0.03	0.027



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 Val d'Or QC J9P 1S5 Canada

Project: Glitter
Report Date: November 27, 2011

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CERTIFICATE OF ANALYSIS

WHI11001342.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
134394	Soil	8	23	0.35	97	0.229	<1	0.87	0.005	0.25	<0.1	0.02	2.3	0.1	<0.05	14	<0.5	<0.2
134395	Soil	22	48	0.80	395	0.130	<1	1.76	0.006	0.36	0.8	0.02	6.7	0.4	<0.05	7	<0.5	<0.2
134396	Soil	10	37	0.42	358	0.174	<1	1.22	0.008	0.24	0.8	0.01	3.6	0.2	<0.05	14	<0.5	<0.2
134397	Soil	11	52	0.74	580	0.213	<1	1.64	0.008	0.49	1.2	<0.01	4.8	0.3	<0.05	14	<0.5	<0.2



Acme Analytical Laboratories (Vancouver) Ltd.

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Client: **Breakaway Expl. Mgmt. Inc.**
203 - 680 3rd Ave.
Val d'Or QC J9P 1S5 Canada

Project: Glitter
Report Date: November 27, 2011

Page: 1 of 2 Part 1

QUALITY CONTROL REPORT

WHI11001342.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	0.1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
122619	Soil	0.7	34.5	13.8	85	<0.1	41.8	17.8	357	3.97	1.3	1.2	1.1	6.0	22	<0.1	0.2	0.3	41	0.21	0.042
REP 122619	QC	0.6	35.4	14.5	87	<0.1	41.6	18.4	370	4.10	1.5	1.2	<0.5	6.1	23	<0.1	0.2	0.3	43	0.22	0.041
122637	Soil	1.3	17.5	6.5	80	<0.1	11.9	10.1	534	3.78	5.0	1.4	1.6	5.4	7	0.2	0.2	0.6	67	0.13	0.074
REP 122637	QC	1.3	17.3	5.5	79	<0.1	12.0	10.1	534	3.84	5.3	1.3	1.0	5.2	7	0.2	0.3	0.5	66	0.13	0.078
122644	Soil	1.5	18.4	5.6	79	<0.1	20.2	12.2	554	3.94	4.2	4.1	0.9	5.8	18	0.2	0.2	0.5	88	0.46	0.060
REP 122644	QC	1.3	17.3	5.4	74	<0.1	18.9	11.4	515	3.70	4.2	4.0	0.8	5.3	17	0.1	0.2	0.4	83	0.44	0.064
124837	Soil	0.5	25.8	3.0	49	<0.1	12.5	11.0	440	3.67	1.8	2.4	<0.5	8.2	16	<0.1	0.1	0.1	76	0.33	0.083
REP 124837	QC	0.5	24.7	3.2	47	<0.1	11.9	10.8	429	3.57	1.6	2.2	<0.5	7.9	16	<0.1	<0.1	0.1	74	0.32	0.082
125160	Soil	1.3	25.3	7.8	91	<0.1	18.0	12.6	570	3.95	14.4	2.6	2.2	8.3	8	0.3	0.4	0.5	66	0.19	0.089
REP 125160	QC	1.4	24.8	7.9	91	<0.1	17.6	12.5	559	4.03	14.0	2.6	1.3	8.5	7	0.2	0.5	0.5	66	0.18	0.090
125174	Soil	1.9	17.3	15.9	67	<0.1	21.2	9.5	271	3.70	13.0	1.6	1.1	8.0	10	<0.1	0.7	0.8	76	0.08	0.028
REP 125174	QC	1.7	17.9	15.9	68	<0.1	21.1	9.3	270	3.61	13.1	1.6	1.5	8.6	10	<0.1	0.6	0.8	76	0.09	0.027
133429	Soil	0.6	22.0	10.3	83	<0.1	31.4	13.0	278	3.64	2.5	1.1	1.1	6.6	16	<0.1	0.2	0.3	45	0.19	0.047
REP 133429	QC	0.6	22.1	10.2	82	<0.1	32.3	13.0	275	3.64	2.8	1.1	1.5	6.6	16	<0.1	0.2	0.3	45	0.20	0.048
133444	Soil	2.7	25.9	11.6	104	<0.1	27.1	6.2	353	2.60	21.1	4.4	1.9	1.2	10	0.3	1.6	0.5	57	0.10	0.108
REP 133444	QC	2.7	25.5	11.6	101	<0.1	25.8	6.2	361	2.64	20.5	4.4	1.3	1.3	10	0.5	1.7	0.5	57	0.10	0.109
133469	Soil	0.9	32.3	13.4	48	<0.1	16.9	7.2	247	2.27	7.0	3.5	1.6	1.0	9	<0.1	0.6	0.6	29	0.07	0.081
REP 133469	QC	0.9	31.9	13.4	48	<0.1	17.3	7.4	248	2.27	7.6	3.6	1.6	1.0	9	<0.1	0.6	0.5	29	0.08	0.082
134349	Soil	1.9	23.0	38.6	100	0.1	27.1	14.1	1102	4.11	12.8	4.0	4.8	8.5	31	0.2	0.6	0.9	51	0.28	0.102
REP 134349	QC	1.9	23.9	39.4	105	0.2	27.7	14.3	1093	4.29	11.9	4.1	3.9	10.0	31	<0.1	0.6	0.8	52	0.27	0.105
134393	Soil	1.6	21.6	171.3	233	1.6	6.4	4.7	2101	1.48	0.9	4.6	<0.5	21.5	15	3.3	1.1	4.4	4	0.38	0.035
REP 134393	QC	1.7	20.8	170.8	247	1.6	6.4	4.8	2029	1.55	1.5	4.6	1.4	22.1	15	3.4	1.0	4.4	3	0.39	0.035
Reference Materials																					
STD DS8	Standard	12.3	103.1	123.3	301	1.7	37.0	7.2	583	2.27	23.6	2.6	113.1	6.6	68	2.3	5.6	6.5	41	0.68	0.072
STD DS8	Standard	14.4	116.5	124.8	308	1.8	39.1	7.6	608	2.44	25.5	3.0	101.2	7.1	66	2.4	5.6	6.1	44	0.70	0.073
STD DS8	Standard	12.7	115.6	119.7	302	1.8	36.9	7.2	576	2.41	26.1	2.8	188.8	6.9	74	2.1	6.1	6.9	41	0.67	0.084
STD DS8	Standard	14.8	126.8	126.2	318	1.8	40.4	7.9	608	2.41	31.2	3.2	103.2	8.2	72	2.6	6.5	7.7	43	0.69	0.077
STD DS8	Standard	12.5	115.5	119.4	312	1.7	36.1	7.0	588	2.33	25.3	2.5	115.9	6.1	74	2.2	6.0	6.5	40	0.65	0.078

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Project: Glitter
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Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

WHI11001342.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
122619	Soil	22	43	0.89	151	0.141	<1	2.44	0.017	0.66	0.1	0.02	4.2	0.5	<0.05	8	<0.5	<0.2
REP 122619	QC	22	46	0.91	158	0.144	<1	2.43	0.017	0.69	0.1	<0.01	4.2	0.5	<0.05	9	<0.5	<0.2
122637	Soil	14	26	0.82	131	0.228	<1	1.55	0.007	0.57	0.3	0.01	6.4	0.3	<0.05	9	<0.5	<0.2
REP 122637	QC	14	26	0.84	130	0.229	<1	1.60	0.006	0.57	0.3	<0.01	6.7	0.3	<0.05	9	<0.5	<0.2
122644	Soil	22	48	1.06	300	0.202	1	1.78	0.012	0.41	0.1	0.02	7.2	0.2	<0.05	10	<0.5	<0.2
REP 122644	QC	21	46	1.00	281	0.209	2	1.69	0.012	0.38	0.1	0.03	6.7	0.2	<0.05	10	<0.5	<0.2
124837	Soil	22	37	1.31	303	0.268	<1	2.48	0.012	0.86	0.3	<0.01	9.1	0.2	<0.05	12	<0.5	<0.2
REP 124837	QC	20	35	1.29	297	0.245	<1	2.41	0.011	0.82	0.3	<0.01	8.6	0.2	<0.05	12	<0.5	<0.2
125160	Soil	23	29	0.84	118	0.210	<1	1.80	0.007	0.45	0.3	0.02	7.1	0.2	<0.05	8	0.7	<0.2
REP 125160	QC	22	28	0.84	113	0.205	<1	1.77	0.007	0.44	0.2	0.01	7.2	0.3	<0.05	8	<0.5	<0.2
125174	Soil	22	44	0.68	66	0.161	1	2.08	0.008	0.19	0.3	0.02	4.7	0.2	<0.05	11	0.8	<0.2
REP 125174	QC	23	43	0.67	68	0.165	<1	2.09	0.011	0.19	0.3	<0.01	4.4	0.2	<0.05	11	<0.5	<0.2
133429	Soil	21	46	0.90	152	0.174	<1	2.41	0.012	0.59	0.3	<0.01	3.8	0.4	<0.05	9	<0.5	<0.2
REP 133429	QC	22	47	0.89	151	0.173	<1	2.38	0.011	0.58	0.4	<0.01	3.9	0.4	<0.05	9	<0.5	<0.2
133444	Soil	33	22	0.24	63	0.014	<1	1.26	0.003	0.08	0.5	0.02	1.2	0.3	<0.05	5	<0.5	<0.2
REP 133444	QC	33	22	0.24	62	0.014	<1	1.24	0.003	0.07	0.6	0.02	1.2	0.3	<0.05	5	<0.5	<0.2
133469	Soil	12	23	0.38	93	0.051	<1	1.46	0.018	0.32	0.2	0.03	2.1	0.2	<0.05	5	0.6	<0.2
REP 133469	QC	12	23	0.39	94	0.052	<1	1.50	0.019	0.33	0.2	0.02	2.1	0.2	<0.05	5	0.5	<0.2
134349	Soil	56	33	0.65	193	0.050	<1	2.92	0.013	0.23	0.3	0.04	4.6	0.3	0.08	11	0.8	<0.2
REP 134349	QC	58	34	0.67	191	0.065	<1	2.99	0.013	0.24	0.5	0.04	4.9	0.3	0.07	11	1.3	<0.2
134393	Soil	54	6	0.16	352	<0.001	<1	1.04	0.001	0.11	<0.1	0.04	2.2	0.3	<0.05	4	0.8	<0.2
REP 134393	QC	54	6	0.16	355	<0.001	<1	1.01	<0.001	0.10	<0.1	0.05	2.2	0.4	<0.05	4	0.5	<0.2
Reference Materials																		
STD DS8	Standard	15	114	0.59	275	0.108	<1	0.98	0.094	0.43	2.8	0.21	2.5	5.3	0.12	5	4.8	4.5
STD DS8	Standard	16	124	0.61	263	0.127	3	0.95	0.098	0.42	3.1	0.18	2.5	5.3	0.15	5	5.4	5.3
STD DS8	Standard	15	109	0.60	271	0.123	3	0.93	0.110	0.42	2.6	0.19	2.9	5.4	0.16	5	5.3	4.7
STD DS8	Standard	18	121	0.61	288	0.139	3	1.00	0.100	0.40	2.9	0.20	2.8	5.6	0.17	5	5.2	4.8
STD DS8	Standard	15	110	0.57	270	0.122	2	0.88	0.096	0.41	2.7	0.18	2.6	5.0	0.12	5	5.4	4.9

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Val d'Or QC J9P 1S5 Canada

Project: Glitter

Report Date: November 27, 2011

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QUALITY CONTROL REPORT

WHI11001342.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
STD DS8	Standard	14.9	120.2	132.7	328	1.9	41.7	8.1	657	2.66	28.1	3.0	120.3	7.3	75	2.4	6.0	7.2	46	0.74	0.083
STD DS8	Standard	12.1	97.5	109.5	281	1.7	32.9	6.6	554	2.17	22.4	2.3	115.1	5.8	53	2.0	4.3	5.4	39	0.61	0.064
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Page: 2 of 2 Part 2

QUALITY CONTROL REPORT

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		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Tl ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
STD DS8	Standard	17	130	0.64	290	0.134	3	0.96	0.090	0.43	3.1	0.21	2.4	5.7	0.15	5	5.3	5.2
STD DS8	Standard	14	110	0.51	243	0.098	2	0.80	0.081	0.38	2.8	0.18	2.6	5.0	0.12	4	3.9	4.5
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Greg Davison

Receiving Lab: Canada-Whitehorse

Received: September 25, 2011

Report Date: October 27, 2011

Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI11001741.1

CLIENT JOB INFORMATION

Project: Glitter
Shipment ID:
P.O. Number
Number of Samples: 2

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	2	Crush, split and pulverize 250 g rock to 200 mesh			WHI
3B01	2	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: Breakaway Expl. Mgmt. Inc.
203 - 680 3rd Ave.
Val d'Or QC J9P 1S5
Canada

CC: Lauren Wilson



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



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

www.acmelab.com

Client: Breakaway Expl. Mgmt. Inc.
203 - 680 3rd Ave.
Val d'Or QC J9P 1S5 Canada

Project: Glitter
Report Date: October 27, 2011

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

WHI11001741.1

	Method	WGHT	3B
	Analyte	Wgt	Au
	Unit	kg	ppb
	MDL	0.01	2
124835	Rock	2.19	<2
125172	Rock	2.53	<2



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Page: 1 of 1 Part 1

QUALITY CONTROL REPORT

WHI11001741.1

Method	WGHT	3B
Analyte	Wgt	Au
Unit	kg	ppb
MDL	0.01	2
Reference Materials		
STD OXC88	Standard	185
STD OXH82	Standard	1270
STD OXC88 Expected		203
STD OXH82 Expected		1278
BLK	Blank	<2
BLK	Blank	<2
Prep Wash		
G1	Prep Blank	<2