PANARC RESOURCES LTD.

PROSPECTING, GEOLOGICAL & GEOCHEMICAL SURVEYS AT THE SEAGULL TIN PROPERTY, RANCHERIA AREA, YUKON TERRITORY

Mike Power, M.Sc. P.Geo.

Claims

Claim Names	Tag Numbers
Beans 1-36	YD106379 - YD106414
Tuna 1 - 4	YD106415 - YD106418
Music 1-4	YD106419 - YD106422
Laughter 1-4	YD106423 - YD106426
Con 1-4	YD106427 - YD106430
Do 1-4	YD106431 - YD106434
Corn 1-4	YD106435 - YD106438
Fired 1-4	YD106439 - YD106442
Peas 1-4	YD106443 - YD106446
Milk 1-4	YD106447 - YD106450
Goods 1-4	YD106451 - YD106454

Centred at: 60° 9' N 131° 27' W
NTS: 105 B 03 & 04
Mining District: Watson Lake
Date: 04 Dec 2011

SUMMARY

The Seagull Property is located 20 km north of Swift River on the Alaska Highway and consists of 76 claims in 11 claim blocks staked under the Yukon Quartz Mining Act. The claim blocks cover tin and tin-tungsten mineralization documented in the Yukon Minfile. It was staked in 2011, is owned by Panarc Resources Ltd. and is subject to an option to purchase by North Arrow Minerals Inc.. Prior to this, the property had been staked and explored by Du Pont Exploration in the 1980's. This report describes the results of a work program consisting of prospecting, geological mapping, and soil geochemical surveys conducted between July 10 - 15, 2011.

The Seagull Tin Property is underlain by weakly metamorphosed Carboniferous volcanic, clastic and carbonate rocks intruded by the Seagull Batholith, a multi-phase Cretaceous granitic to granodioritic aphyric to porphyritic intrusion. Tin, tungsten, zinc, and silver mineralization is associated with this intrusion occurring as skarns in cover rock, as greisens and veins at the intrusive contact and as veins or disseminations within the intrusion. The intrusion is elliptical in plan, approximately 40 km (NW-SE) by 10 km (NE-SW).

The field program described in this report consisted of prospecting, geological mapping and soil sampling conducted on each of the claim blocks to make a preliminary assessment of their potential to host significant tin mineralization. Economic tin values from bedrock samples were returned from three of the 11 properties investigated: The Do, Goods and Con Claims.

The Do Claims cover the Sin Showing (Minfile 105B 083). Two styles of tin-bearing mineralization are found on these claims. The highest grade mineralization is found in sulphide-magnetite skarn within and adjacent to a metavolcanic sill or xenolith in the Seagull Batholith. This horizon is intermittently mineralized over a strike length of 290 m with pods up to 1.5 m wide consisting of galena, sphalerite, pyrite, fluorite and cassiterite in quartz-limonite gangue. Grab samples from this horizon returned values from 1579 ppm Sn to 2.459% Sn. Mineralization is best developed where the east-west striking metavolcanic unit is cut by north trending faults or fractures.

A second style of mineralization on the Do Claims is a series of east-striking, variably dipping quartz-tourmaline $\pm$chalcopyrite $\pm$ cassiterite veins, centred on a ridge to the east of the skarn mineralization. Veins range in thickness from a few centimeters, spaced 50 cm to several metres apart to individual veins up to 1.5 m wide. Best grab samples from these veins returned up to 870 ppm Sn, 2625 ppm Cu and 14 ppm Ag. Vein mineralization is developed in a 100 m wide zone running 150 m along the ridge crest.

Two soil contour lines were run on the Do Claims below the areas with the skarn and

vein mineralization over a total length of about 2 km. The soil survey defined a zone at least 500 m long with elevated soil values greater than 200 ppm Sn and peak values to 1300 ppm Sn, centred downslope from the ridge containing the tin-bearing quartz veins.

On Eccles Ridge near the Goods Claims, a second zone of tin mineralization was located in greisen and quartz veins. A network of parallel to locally stockwork quartz veins exposed over a distance of 100 m returned grab sample assays to 1.550% Sn from cassiterite bearing quartz.

Tin mineralization was also found on the Milk and Con Claims but no significant bedrock targets were defined by the limited field investigations conducted on these claims.

The results of the work conducted to date, considered with historical data, suggest the potential to locate significant tin resources on the Do Claims with less clear indications of potential economic tin mineralization at Eccles Ridge and on the Milk and Con Claims. Additional geological and geochemical investigations, geophysical surveys and trenching or shallow drilling in a staged program are warranted to investigate the targets identified to date on the Seagull Tin Property.

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1.0 INTRODUCTION

This report describes prospecting, geological mapping and geochemical surveys conducted on the Seagull Tin Property held by Panarc Resources Ltd. in the Watson Lake Mining District, Yukon Territory. This work was conducted to investigate tin - tungsten mineralization on the property.

2.0 LOCATION AND ACCESS

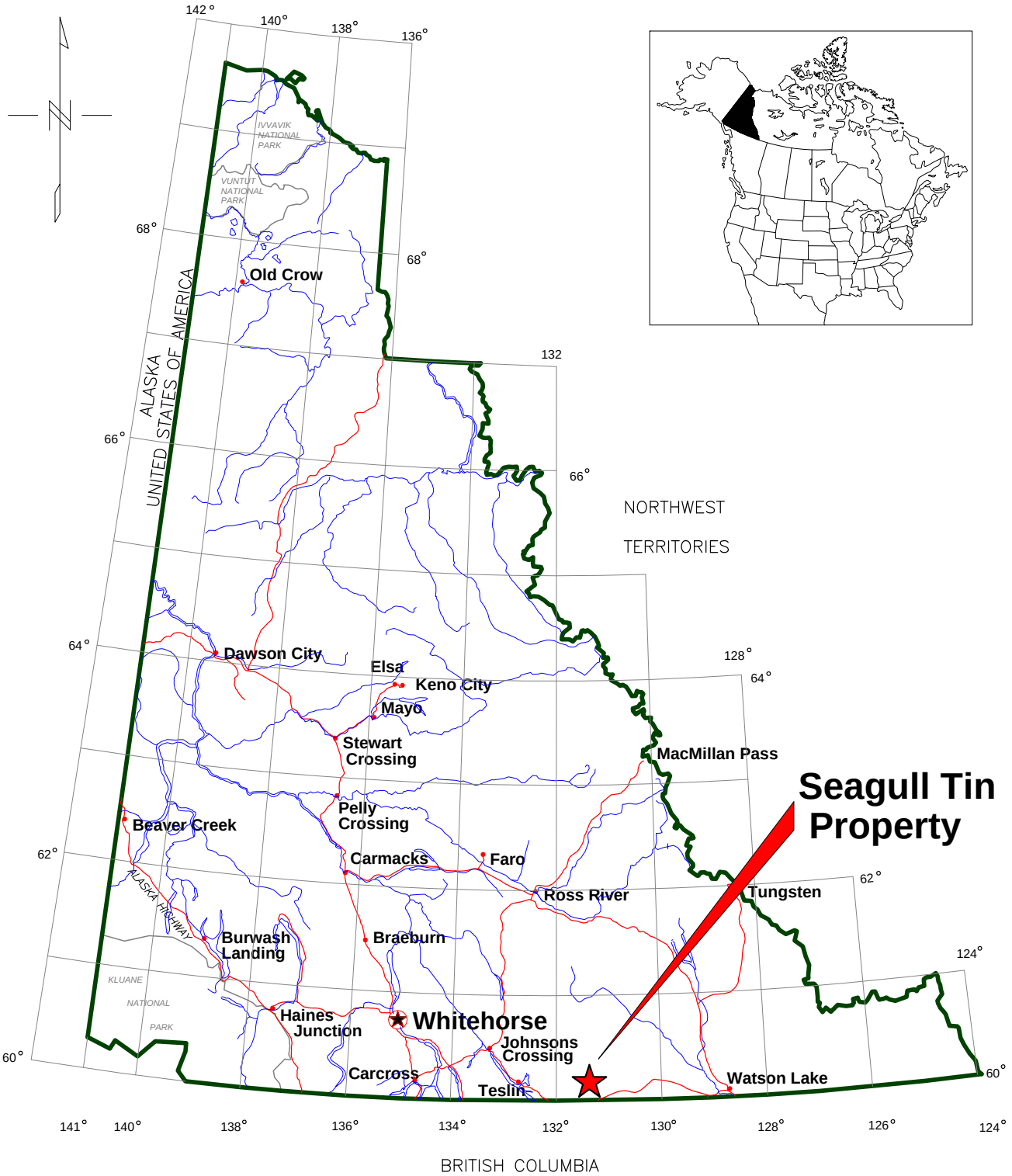
The Seagull Tin Property is centred at 60° 9' N 131° 27' W (Figure 1). The Property is 210 km southeast of Whitehorse and 150 km west-northwest of Watson Lake, the closest major communities. The property is accessible by helicopter with the nearest staging point being Swift River (Km 1136 on the Alaska Highway), 20 km south of the property centre and 283 km south of Whitehorse by road. There are old overgrown bulldozer trails to the property from the Alaska Highway near Swift River. The Property is also accessible by float plane to Dorsey Lake from either Whitehorse or Watson Lake.

3.0 PROPERTY DESCRIPTION

The Seagull Tin Property consists of 76 un-surveyed Quartz Claims in 11 claim blocks staked under the Yukon Quartz Mining Act and recorded in the Watson Lake Mining District (Figure 2). Claim information is summarized below[1]:

Claims	Tag Number	Anniversary Date
Beans 1-36	YD106379 - YD106414	March 17, 2012
Tuna 1 - 4	YD106415 - YD106418	March 17, 2012
Music 1-4	YD106419 - YD106422	March 17, 2012
Laughter 1-4	YD106423 - YD106426	March 17, 2012
Con 1-4	YD106427 - YD106430	March 17, 2012
Do 1-4	YD106431 - YD106434	March 17, 2012
Corn 1-4	YD106435 - YD106438	March 17, 2012
Fired 1-4	YD106439 - YD106442	March 17, 2012
Peas 1-4	YD106443 - YD106446	March 17, 2012
Milk 1-4	YD106447 - YD106450	March 17, 2012

[1] Claim information as of April 30, 2011 as posted on the Yukon Mining Recorders website (www.yukonminingrecorders.ca). Claim expiry dates do not reflect the value of work documented in this report.



100000 0 100000
(meters)

PANARC RESOURCES LTD.	
SEAGULL TIN PROPERTY **Figure 1. Property Location Map**	
NTS: 105 B 03 & 04 Datum: NAD83 Job: PRL-11556-YT	Mining District: Whitehorse Projection: UTM Zone 8N Date: 17 Oct 11
AURORA GEOSCIENCES LTD.	

Claims	Tag Number	Anniversary Date
Goods 1-4	YD106451 - YD106454	March 17, 2012

The claims are owned 100% by Panarc Resources Ltd. and are currently subject to an option to purchase held by North Arrow Minerals Inc. The claims can be maintained in good standing indefinitely by performing assessment work in the amount of $100 per claim per year, or paying the same amount in lieu, and paying associated filing fees of $5 per claim. The claims are located on Crown Land and surface rights are retained by the Crown.

4.0 PHYSIOGRAPHY & CLIMATE

The Seagull Tin Property is located in the Cassiar Mountains of the Yukon Plateau. Topography in the area consists of rugged peaks with steep north-facing cirques and scoured U-shaped valleys. Elevations in the project area range from 910 to 2070 m (3000 to 6800 feet). Above 5500 feet, the terrain is rugged with steep ridges and impassable rocky slopes. The glacial scour line at between 5000 to 5500 feet is readily visible in some cirque headwalls. At lower elevations, mountains and hills are rounded with convex, steep sided slopes. Boulder talus aprons occur at the base of most of the rocky faces and these are succeeded by grassy slopes with immature brown soils. Below treeline at roughly 4000 feet, more mature soils and dense vegetation predominates.

The project area is drained by south-flowing creeks and rivers, the largest of which is the Smart River. This drains through Dorsey Lake in the north center of the property area. Dorsey Lake is approximately 3 km long and is the largest water body in the project area. Vegetation in the property area ranges from mosses, grass and sedges at elevations above 5000 feet through a zone of willow and sparse spruce and fir down to treeline. Below treeline, alpine fir and black spruce predominate.

The climate in the property area consists of long, cold winters, short wet summers and short spring and fall seasons. At Watson Lake, the closest nearby community, average daily temperatures range from -24^0 C (January) to $+15^0$ C (July) and average annual precipitation consists of 40.4 cm of rain and snow with the majority falling in June and July (Environment Canada, 2011).

5.0 REGIONAL GEOLOGY

The regional geology in the property area is summarized by Gordey & Makepeace (1999) from regional mapping by Poole *et. al.* (1960) and more detailed mapping by

Abbot (1981). The geology of the property area is shown in Figure 3. The property lies in the Quesnellia Terrane of the Canadian Cordillera, an allochthonous package of pelagic sediments, carbonates and volcanics, formed in the Early Triassic. The Quesnellia Terrain was subsequently amalgamated with the Stikine, Cache Creek and Slide Mountain Terranes to form the Intermontane Superterrane in the Early Jurassic and completed docking with North America in the Early Cretaceous (Gabrielse and Yorath, 1991).

The following formations are mapped in the property area:

Formation (Age)	Description
Overburden (Quaternary - Holocene)	Talus, organic and elluvial soil, boulder till.
mKqC Seagull Batholith [Cretaceous]	Granite, quartz monzonite, granodiorite, locally porphyritic. (117 - 85 Ma)
EjgA [Early Jurassic]	Granodiorite, diorite, monzonite (192 - 185 Ma)
CK3 [Carboniferous]	Shale, argillite, slate and siltstone (353 - 300 Ma)
CK2 [Carboniferous]	Limestone, dolostone, chert (353 - 300 Ma)
CK1 [Carboniferous]	Mafic volcanic flows, breccias and tuffs (353 - 300 Ma)

The structural and intrusive history of the area is summarized by Abbot (1981) and Gabrielse and Yorath (1991) who describes the following deformational and associated igneous events:

Age	Description
Late Cretaceous	Northeast and east-trending normal faulting.
Mid-Late Cretaceous	Intrusion of the Seagull Batholith
Middle Jurassic	Collision of Intermontane Superterrane: transpressional collision (thrust faulting with subsidiary strike slip and normal faulting)

Age	Description
Early Jurassic	Basic to intermediate intrusions; Amalgamation of the Intermontane Superterrane

Templeman-Kluit (1991) summarizes the structural style in the Cassiar Mountains and describes the imbrication of the Dorsey and Slide Mountain Allochthons (Sub-terranes of Quesnellia) over the autochthonous North American basement rocks via northeast directed thrust faulting. In the immediate property area, the stratigraphy appears to be folded into a broad NW-trending synclinal arch or graben with Devono-Mississippian metavolcanic and metasedimentary rocks flanking a central core of similar Carboniferous rocks.

The Seagull Batholith intrudes the centre of the aforementioned arch forming an elongate, elliptical mass roughly 40 km (NW-SE) by 10 km (NE-SW). Tin-tungsten mineralization in the district appears to be both spatially and genetically related to this intrusion. The Seagull Batholith is a polyphase pluton ranging from aphyric coarse biotite granite through granodiorite to porphyritic quartz-Kspar biotite granite. The intrusion appears to be tilted with apical porphyritic phases more prevalent in the northwest and deeper coarser grained, equigranular intrusive rocks dominant in the southeast. Contacts are generally steeply-dipping on the SW and NE flanks of the intrusion but are flat to gently dipping beneath roof pendants north of Dorsey Lake. Here the valley floors are underlain by Seagull Batholith granite while the surrounding mountains are capped by hornfelsed Carboniferous rocks. Porphyritic phases included rounded quartz and angular potassium feldspar together with local mariolitic ocelli (“bubble texture”) in the vicinity of at least one tin showing (Do Claims) (Smith,1980).

Aeromagnetic and gravity data provide supporting evidence for the inferred architecture of the Seagull Batholith. There is a strong aeromagnetic low associated with the assumed apical region of the intrusion north of Dorsey Lake (Figure 4). The Bouguer Anomaly, defined as it is by much wider station spacing, shows low coincident with the axis of the intrusion embedded within a larger regional trend sloping to the northeast (Figure 5).

6.0 ECONOMIC GEOLOGY AND EXPLORATION HISTORY

Stream sediment geochemistry in the area of the Seagull Batholith is highly anomalous in tin and the area contains numerous tin, lead-zinc and tungsten showings. The Seagull Tin Property covers eleven Yukon Minfile showings, staked and explored for tin and tin-tungsten mineralization between 1978 and 1982. Information for the individual showings is summarized in the table below:

Minfile Name Number [Current claim block]	Summary
Stoddart 105B 035 [Beans 1-36]	Staked by Rip Van Mining Ltd. in 1969 and restaked by the Klinkit Joint Venture (DuPont of Canada Exploration Ltd. and Duval Corporation) in 1978. Tin, lead-zinc-silver skarn mineralization reported with a chip sample running 3.9% Zn, 17.1 g/t Ag over 6.7 m with no tin values cited. Two holes were drilled in 1984 for which results are not reported.
Hollister 105B 112 [Tuna 1-4]	Staked by the Klinkit Joint Venture in 1978, the block was explored with geochemical surveys and mapping in 1978-1980 and 1982. Scheelite skarn is reported at the contact between the Seagull Batholith and the overlying limestone.
Slouce 105B 080 [Music 1-4]	Staked by the Klinkit Joint Venture in 1978, the property was explored by mapping, trenching and sampling from 1978 to 1980. Portions were restaked by McPrez Mining Exploration Ltd. and optioned to Player Petroleum Ltd. in 1981 who explored their claims with mapping, geochemical sampling and trenching. Five skarn zones over a length of 400 m returned up to 1.2% Sn from tourmaline-magnetite-amphibole-chalcopyrite skarn up to 0.5 m wide in limestone near the contact with the Seagull Batholith.
Skin 105B 079 [Laughter 1-4]	The Skin Showing consists of two separate showings staked by the Klinkit Joint Venture in 1978 and explored by mapping and hand trenching in 1979 - 1980. In both cases, mineralization is hosted by quartz-muscovite-arsenopyrite veins within the Seagull Batholith. The western showing returned two samples averaging 0.3% Sn and a sample from the eastern showing returned 0.435% Sn.

Current 105B 073 [Con 1-4]	Staked by the JC Syndicate (Dome Exploration and Cominco Ltd.) In 1977 and explored in 1977-79 with mapping, sampling, geochemical and magnetometer surveys and two drill holes. Malayaite, sphalerite, pyrrhotite, rare galena and fluorite occur in skarned metavolcanics, clastics and limestone near the contact with the Seagull Batholith. Report chip samples returned 6.5% Zn and 0.03% WO3 over 1.2 m but the drill holes failed to intersect significant mineralization.
Sin 105B 083 [Do 1-4]	Staked by Welcome North Mines Ltd. in 1978 and optioned to the Klinkit Joint Venture, the Sin Showing covers a suspected tin porphyry. Weak greisen zones returned samples from 0.1% Sn to 0.2% Sn from quartz-tourmaline-muscovite-fluorite veins and magnetite-garnet skarn. A large soil anomaly, over 1 km long was outlined by contour surveying below the showings with values ranging from 200 ppm Sn to 0.26% Sn.
Pont 105B 082 [Corn 1-4]	The Pont Showing was staked by the Klinkit Joint Venture in 1978 and explored by mapping and sampling in 1978-79 and 1982. Minor cassiterite in skarn and disseminated within the underlying Seagull Batholith is reported in the Minfile but no assays are included in the assessment report (090470).
Dorsey 105B 111 [Fired 1-4]	The Dorsey Showing was staked as part of the larger DU block in 1978 and explored by mapping and geochemical sampling in 1978 and 1979. The Minfile occurrence covers a tin soil geochemical anomaly with no known bedrock source. Sn in soils from 200 to 575 ppm occurs south of the ridge on which the nominal Minfile location is plotted. On the north side of the ridge, a single soil sample surrounded by a large area of no samples returned 300 ppm Sn.

JC 105B 040 [Peas 1-4]	The JC Showing was staked by Esannee Exploration Ltd. in 1967 who explored by bull dozer trenching. Cypress Exploration Ltd. staked the showing twice, and drilled two short holes. Restaked by the JC Syndicate in 1977, it was subsequently explored by mapping, geochem, both ground and airborne mag surveys, and two rounds of drilling. The showing covered by the Peas block is peripheral to the main JC showings and is underlain by skarned limestone and underlying Seagull Batholith granite. Best reported assays were 1.26% Sn over 2.6 m in a 1978 trench but many assays were not reported.
Du 105B 084 [Milk 1-4]	The Du Showing is centred on Eccles Ridge north of Dorsey Lake and was staked by the Klinkit Joint Venture in 1978 and explored by mapping, geochemical sampling and trenching during 1978-1980 and by drilling one hole in 1981. The showing consists primarily of a greisen vein system exposed over a distance of about 60 m from which selected samples to 2% Sn were recovered. The single hole beneath the showing returned 0.14% Sn over 1.0 m.
Duval 105B 081 [Goods 1-4]	The Duval Showing was staked as part of the larger Du claim block by the Klinkit Joint Venture in 1978 and explored from 1978 to 1981 by geochemical sampling, mapping and one drill hole. Drilling reportedly encountered extensive greisen but only low tin values over narrow widths. The drill results were never filed for assessment.

Tin exploration in the property area during the 1977 - 1985 period was dominated by the discovery and delineation of the JC and Cass Deposits by the JC Syndicate in the carbonates northwest of the Seagull Batholith and by exploration by the Klinkit Joint Venture within the intrusion. With the decline in tin prices after 1980, the area has been largely dormant. During the 1990's, ,Archer Cathro staked lead-zinc showings southeast of the batholith and individual prospectors staked potential gem (emerald / beryl) showings near Dorsey Lake.

Tin deposits occur in four major classes. The claim blocks comprising the Seagull Tin Property includes showings which have been classified in each of these deposit models.

- *Vein-hosted lode deposits.* With type examples at Cornwall (UK), Potosi (Bolivia), Erzgebirge (Czechoslovakia), and Herberton (Australia), this

style of mineralization consists of quartz-albite-microcline-cassiterite(-wolframite) veins and pegmatites within localized greisen envelopes in the cupola of granitic intrusions. Grades are in excess of 1% and tonnages are small (<10 MT). The Du Showing (Milk Claims) appears to be a classic greisen vein system.

- *Carbonate hosted deposits.* Type examples include the Renison Bell and Cleveland Deposits in Australia. These are replacement to exoskarn deposits, often structurally controlled, in permissible carbonates proximal to a fertile granitic intrusion. Grades range from 0.7% to 1.0% Sn and tonnages range from 2 to 10 Mt. True skarn deposits are generally smaller and include the JC Deposit, peripheral to the Peas claim groups.

- *Greisen hosted deposits.* Deposits in this class are hosted in extensive greisen alteration envelopes, often adjacent to richer lode deposits. Examples include Mt. Tin near Herberton in Australia. Taylor (1979) estimates these deposits contain from 10 - 80 Mt at about 0.3% Sn. The vein swarms on the Laughter Claims (Skin Showing) appear to fit this deposit type.

- *Porphyry tin deposits.* First recognized by Sillitoe (1975), this style of mineralization includes large (40 - 500 Mt), low grade (0.2 - 0.4% Sn) deposits in hydrothermal breccias within and adjacent to fertile granitic intrusions. Type examples include Llallagua and Chorolque in Bolivia (Sillitoe, *ibid*) and Yinyan in China (Xianghzao *et. al.* 1996). The Sin Showing (Do Claims) has been classified as a potential tin porphyry.

7.0 DESCRIPTION OF WORK PROGRAM

This section describes the prospecting, geological and geochemical investigations conducted on the Seagull Tin Property in July 2011.

7.1 Personnel & equipment.

The work program was conducted by the following personnel:

Crew chief:	Mike Power
Geologist:	Kel Sax

Field assistant:	Tomas Kalkowski

The crew were equipped with the following instruments and equipment:

Instruments:	3 - Garmin DGPS receivers 1 - Niton portable XRF spectrometer
Equipment:	3 - Sampling tools & equipment 1 - Satellite phone 3 - VHF radios
Vehicles:	1 - 1 Ton truck 1 - Double axle 6000 lb trailer

The survey log in Appendix B includes the names and addresses of all persons employed and a detailed description of daily operations. A statement of costs is compiled in Appendix C.

7.2 Specifications.

Prospecting and geological mapping were conducted according to the following specifications:

Mapping datum:	NAD83 Zone 8N UTM (metric)	
Station location:	WAAS corrected (where available) GPS positioning with each reading averaged at least 20 times.	
Station records:	*Geological stations:*	Lithology, structure, samples & descriptions
	Prospecting stns:	Sample descriptions, general rock type

Sample marking:	All samples were marked with blue and orange flagging. The sample number was written on a portion of the flagging covered from weather and sunlight.

Geochemical surveys were conducted according to the following specifications:

Mapping datum:	NAD83 Zone 8N UTM (metric)
Station location:	WAAS corrected (where available) GPS positioning with each reading averaged at least 20 times.
Sampling:	For each sample, the sample material was noted by the sampler. Where the horizon was present and accessible, samples were taken from the B-horizon (below organic layer).
Sample marking:	All samples were marked with flagging on which the sample numbers were written.

7.3 Sample analysis.

Soil geochemical samples were collected from the B or C horizons, placed in Kraft bags and submitted to Acme Analytical Laboratories for analysis. Soil samples were prepared and analyzed using the following procedures:

- Dry samples at 60^0 C
- Sieve to collect 100 g passing through a -80 mesh
- Pulverize the subsample to pass through -100 mesh
- Split a 5g sample
- Extract a 0.2g subsample for fusion and a 0.5g sample for acid digestion.
- Fuse the 0.2g sample in lithium metaborate / tetraborate followed by a nitric acid digestion.
- Subject the 0.5g sample to Aqua Regia digestion.
- Analyze the samples using ICP-MS

Rock samples were also submitted to Acme. Rock samples were prepared and analyzed using the following procedures (Acme R200-500 / 4B02):

- Initial crush of 1 kg to 80% passing through a -10 mesh screen
- 500 g split of the initial crush
- Pulverize the sample until 85% passes a -200 mesh screen
- Split a 15 g sample from the pulp
- Extract a 0.2g subsample for fusion and a 0.5g sample for acid digestion.
- Fuse the 0.2g sample in lithium metaborate / tetraborate followed by a nitric acid digestion.
- Subject the 0.5g sample to Aqua Regia digestion.
- Analyze the samples using ICP-MS

Rock samples which were overlimit for Sn (>10,000 ppm) were re-analyzed as follows (Acme 7PF1):

- Extract a 1g subsample from the pulps
- Perform lithium metaborate / tetraborate fusion
- Nitric acid digestion
- Repeated dilution followed by ICP-MS to report % level concentrations.

7.4 Data.

Geological mapping and prospecting station notes are compiled in Appendix D. Rock sample descriptions and assay results are compiled in Appendix E. Appendix F contains a compilation of the soil sample results. Assay certificates are compiled in Appendix G. A digital archive is included on the USB stick accompanying the report in the back pocket.

8.0 RESULTS BY CLAIM BLOCK

This section describes the results of the prospecting, mapping and geochemical sampling by claim block.

8.1 Beans Claims

The Beans Claims cover Yukon Minfile Showing 105B 035 (Goddart) which consist of four skarn showings described as occurring within and adjacent to roof pendants of metavolcanic rocks within the Seagull Batholith. The claims, sample locations and tin results together with the local geology are shown in Figure 6 (back pocket).

The property was examined by the entire crew on July 12, 2011, working on three of the showings (NE, NW and SW). The NE Showing is entirely underlain by metavolcanic and intercalated metasedimentary rocks. One sample at this showing (I841361) was described as limestone. None of the grab samples collected from the NE showing

returned significant tin or tungsten values. The NW showing lies in the Seagull Batholith although some samples were collected from mafic metavolcanic xenoliths. At this site, samples I841417 (quartz tourmaline vein) and I841415 (magnetite / sulphide skarn) (Figure 7) returned 807 and 725 ppm Sn respectively.

Figure 7. Sample I841415.

The SE showing lies at the contact between granite (west) and metavolcanic rocks (east) along a ridge. No significant tin values were returned from sulphidized skarn grab samples collected across the contact but samples I841320, 21 and 23 returned values greater than 1000 ppm Ni and sample I841319 was highly anomalous in rare earth elements (> 0.25% TREO). Figure 8 shows pyrite-bearing skarn within metavolcanics at the SE Showing.

Figure 8. Skarn in metavolcanics, Beans SE.

8.2 Tuna Claims

The Tuna 1-4 Claims cover Yukon Minfile Showing 105B 112 (Hollister Showing) (Figure 9 - back pocket). This reportedly consists of scheelite-bearing skarn in calcareous portions of a Carboniferous clastic sequence at the contact with the Seagull Batholith. The claims were examined by Kel Sax on July 11, 2011. The nominal location of the showing is on a talus fan and no mineralization was found at this location. Samples I841354 and I841355 were collected from thin quartz-tourmaline veins in granite, returning a peak value of 32 ppm Sn. No mineralization of the type described in the Minfile report was found.

Figure 10. Quartz tourmaline vein (I841355)

8.2 Music Claims

The Music 1-4 Claims cover Yukon Minfile Showing 105B 080 (Slouce Showing). This reportedly consists of five skarn zones developed in Permo-Carboniferous limestone, with samples of tourmaline-magnetite-amphibole-chalcopyrite skarn assaying up to 1.2% Sn over 0.5 m. Garnet-amphibole-axinite-calcite skarn with subsidiary scheelite and molybdenite were also reported.

The claims were examined by Mike Power on July 14, 2011. No trace of the reported mineralization was found in the accessible areas on the claims. One sample of gossanous limestone was sampled along the ridge but this returned negligible tin (Figure 11 - back pocket). There is a small apophysis of Seagull Batholith granite along the ridge transecting the claims.

8.3 Laughter Claims

The Laughter 1-4 Claims cover Yukon Minfile Showing 105B 079 (Skin Showing). This consists of two zones. The western zone is described as a pipe-like body containing fluorite, a uranium mineral, arsenopyrite, lepidomelane and quartz-clay alteration. It was more formally described in the pertinent assessment report as a series of veins. The eastern zone is a greisen zone with quartz-tourmaline veins (Smith, 1980).

The Laughter Claims were examined by K. Sax and T. Kalkowski on July 12, 2011 (Figure 12 - back pocket). At the west showing, the highest tin values (74 ppm - I841412) were returned from a sample of a 90 x 10 m alteration zone with quartz-sericite-?tourmaline mineralization. Low tin values (< 20 ppm) were returned from three samples taken from the east showing (greisen zone).

Figure 13 . Laughter west (Sample I841412 area).

8.4 Con Claims

The Con 1-4 Claims cover Yukon Minfile Showing 105 B 073 (Current Showing). This is reported to be a cassiterite-scheelite bearing skarn within Carboniferous mafic volcanics and sedimentary rocks near the contact with the Seagull Batholith. This showing has reportedly been drilled.

The claims were examined by K. Sax on July 11, 2011 (Figure 14 - back pocket). The best sample recovered from the property was collected from a magnetite bearing skarn boulder (Sample I841356 / 2700 ppm Sn). Seagull Batholith granite is exposed at lower elevations on the north side of the claims in a small window but no significant values were returned from vein material sampled there..

Figure 15. Veinlet in granite, Sample I841357, Con Claims.

8.5 Do Claims

The Do 1-4 Claims cover Yukon Minfile Showing 105B 083 (Sin Showing). Two styles of mineralization are described in the Minfile report: Weak quartz-tourmaline-fluorite-muscovite-malayaite greisen returning assays to 0.1% Sn and magnetite-garnet skarn returning values to 0.2% Sn. The mineralization was reportedly associated with a 1 km long soil anomaly with Sn values from 200 to 2600 ppm.

Geological mapping, prospecting and soil sampling were conducted on the Do Claims by both crews on July 13 and 15, 2011. The soil geochemical survey consisted of running two parallel topographic contour soil lines below the area hosting bedrock mineralization located in outcrop. Rock sample results are shown in Figure 16 and soil sample results are shown in Figure 17.

The two styles of mineralization documented in the Minfile report were located. The principal and likely original showing is a 100 m wide zone of widely spaced thin quartz-tourmaline $\pm$ muscovite $\pm$ fluorite veins some of which carry accessory tin-bearing

minerals. This zone runs for a distance of at least 150 m along a ridge. The largest of the veins in this zone is on the crest of the ridge (Sample I841327 - Figure 18) which contains abundant coarse tourmaline, quartz and sericite with trace to 1% chalcopyrite (malachite & azurite stain). A grab sample from this vein returned 870 ppm Sn, 2625 ppm Cu and 14 ppm Ag. This locality was blast trenched, and the vein here is steeply-dipping and approximately 1.0 to 1.5 m wide. The vein is exposed over a strike length of perhaps 20 m, is truncated to the east and is covered to the west.

Figure 18. Quartz-tourmaline-sericite (-chalcopyrite -Sn) vein - sample I841327.

Other veins in the ridge zone returned lower anomalous tin values but none were of economic grade (>500 ppm Sn). The stereoplot below shows the orientation of Sn veins in the ridge zone and weakly suggests that they may be formed in the axial zone of a upright cylindrical fold (cupola crest?) striking E-W (ie. along the axis of the ridge on which they are centred). The veins may have intruded a fan of axial planar parallel fractures or in turn have been folded after emplacement. .

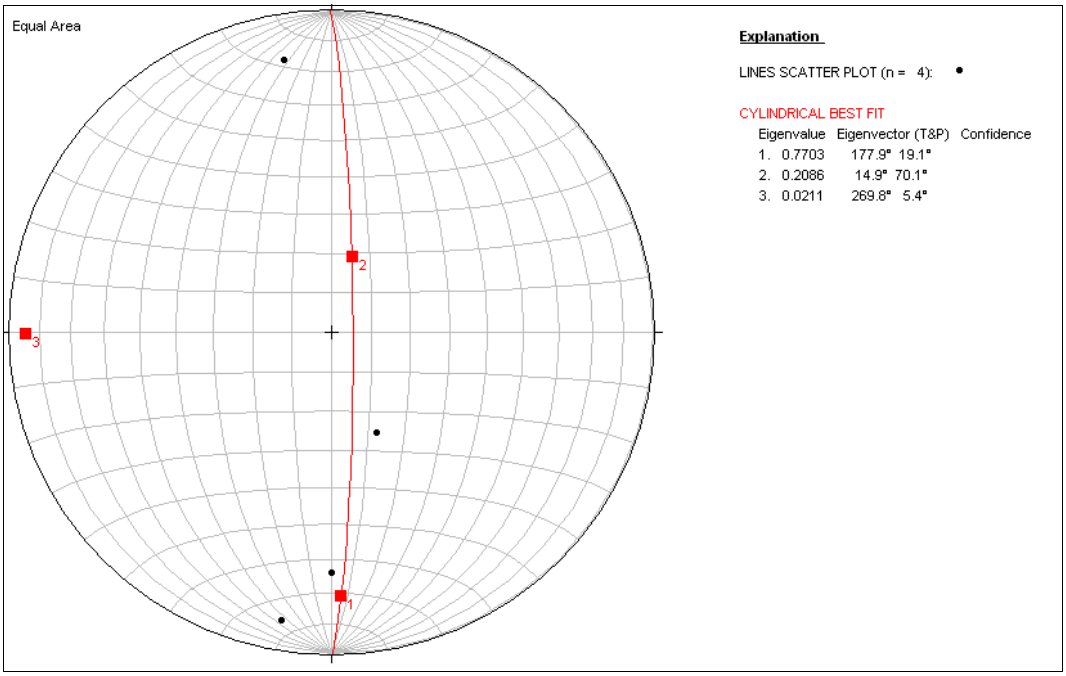


Figure 19. Equal area stereoplot of poles to Sn-bearing veins - Do Claims.

The second style of mineralization found on the property is sulphide-magnetite skarn associated with metavolcanic dikes or sills west-southwest of the vein showings on talus slopes at lower elevations. Here, a zone of skarn mineralization was traced intermittently in outcrop over a distance of 290 m, coincident with a metavolcanic sill striking generally 260^0 and dipping moderately north into the ridge. The mineralized material consists of dark green metavolcanic rocks with 10-15% sulphides (pyrite-sphalerite-galena), fluorite, cassiterite together with quartz-limonite gangue. Grab samples from this horizon returned tin values ranging from 1579 ppm Sn to 2.459% Sn with one sample also returning >100 ppm Ag (I841369). The mineralization is best developed where north-striking cross-cutting faults cut the metavolcanic horizon. There are local structural disruptions near the fault intersections including rotation of metavolcanic blocks.

Figure 20. Skarn in metavolcanic sill, sample I841369, Do Claims.

The lower reaches of the ridge upon which the mineralization is centred is covered by talus and by colluvium with thin soil development. Parallel contour soil lines with interleaved stations were run just below the talus fan to confirm the reported large-scale tin in soil anomaly reported by Du Pont (Smith, 1980) Results are shown together with rock sample values for tin in Figure 17. The soil survey delineated a soil anomaly defined by values greater than 200 ppm Sn extending for a distance of approximately 500 m across the ridge slope and beneath the mineralization exposed in outcrop. The peak values (to 1300 ppm Sn) are centred beneath the zone of tin-bearing quartz veins on the ridge. It is interesting that the soil tin values at this location greatly exceed the tin concentrations in bedrock samples located above them on the slope.

Smith (1980) noted the relationship between tin mineralization and a separate intrusive phase, coeval or pre-dating the Seagull Batholith (Brock Intrusion). The author of the Minfile report classified the mineralization present as “Sn-porphyry”. It is unclear from the results to date whether such a target model is consistent with the exposed mineralization. Smith (*ibid*) also speculated that the mineralization might be related to a

low angle fault striking east-west across the ridge above the skarn mineralization found in the metavolcanic unit. Figure 21 shows the location of this inferred fault in relation to the skarn and vein mineralization.

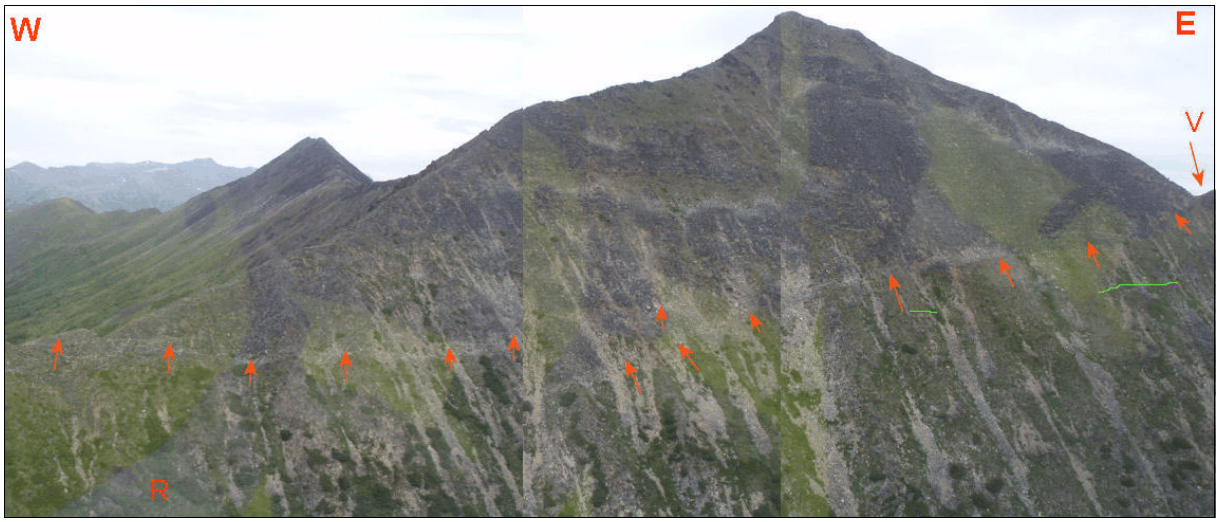


Figure 21. Photo mosaic - Do Property. The line of the inferred flat lying fault is shown by arrows, the approximate location of the skarn zone by the green lines and V indicates the location of the largest vein in the quartz-tourmaline vein set on the ridge. Field of view is approximately 800 m.

The Do Claims were the most promising prospect examined. High grade tin mineralization occurs in sulphide skarn together with peripheral lower grade vein hosted mineralization on the upper slopes of the ridge upon which the claims are centred. There is a very strong soil anomaly below the bedrock mineralization and displaced from the high grade skarn showings. The anomaly is not likely a transported down-slope feature as it is laterally displaced from the high grade bedrock mineralization.

8.6 Corn Claims

The Corn 1-4 Claims cover Yukon Minfile Showing 105B 082 (Pont Showing). This is described as minor cassiterite showings in a roof pendant of Carboniferous clastic and carbonate rocks in the Seagull Batholith. Smith (1980) describes an area with elevated soils but no specific hard rock showings. He also describes an area southwest of the nominal showing location where stanniferous float was found at the base of a cirque.

M. Power examined the claims on July 12, 2010, investigating the location of both showings or float locations described by Smith (1980) (Figure 22). At the posted Minfile location, a 10 m by 10 m rusty patch of limestone with approximately 10% pyrite was

sampled and returned negligible tin and 697 ppm As. At the base of a talus fan below the cirque south of the Pont Showing, quartz tourmaline vein bearing granite returned a peak value of 113 ppm Sn from Sample I841315.

8.7 Fired Claims

The Fired 1-4 Claims cover Yukon Minfile Showing 105B 111 (Dorsey Showing). This consists of a tin soil geochemical anomaly centred on a small hill northwest of Dorsey Lake. The showing is underlain by Seagull Batholith granite.

The claims were examined by M. Power and T. Kalkowski on July 11, 2011. The crew examined two potential mineralized areas described in Smith (1980) (Figure 23). Sample I841305 returned a peak value of 211 ppm Sn from frost-heaved mineralized quartz vein material at a site 900 m north of the posted Minfile location. At the site of the posted Minfile location, a large, prominent, multi-phase quartz vein up to 2.0 m wide was sampled but failed to produce any values greater than 100 ppm Sn (Figure 24). The soil anomaly described by Smith (1980) surrounds the hill on which the Minfile posting is centred; this anomaly, determined from XRF analyses, has tin values from 100 to 700 ppm. No bedrock source for this soil anomaly was found during the brief field examination.

Figure 24. Large quartz vein at site of the Dorsey Showing

8.8 Peas Claims

The Peas Claims cover Yukon Minfile Showing 105B 040 (JC Showing). The Minfile describes this showing as tin-bearing skarn in a 35 m thick carbonate bed within quartzite in a roof pendant overlying the Seagull Batholith. Mineralization consisting of diopside skarn with chalcopyrite, pyrrhotite, cassiterite, malayaite, stannite and arsenopyrite is reported. The posted Minfile Location is one of several given for this occurrence.

The Peas Claims were inspected by M. Power and T. Kalkowski on July 11, 2011. Working from the location of the posted Minfile occurrence, the crew was unable to find any trace of the reported mineralization on the areas visited on the property. Figure 25 shows the claim locations and the geology in the claim area. The crew traverse is indicated in a dashed line.

8.9 Milk Claims

The Milk Claims cover Yukon Minfile Showing 105B 084 (Du Showing). This showing consists of a swarm of thin veins in an rusty weathering phase of the Seagull Batholith on a ridge north of Dorsey Lake. The showing was sampled and drilled (one hole / 243 m) by Du Pont in 1981 from a pad on a saddle south of the main vein swarm.

The Milk Claims were mapped and prospected by M. Power on July 14, 2011. The results are shown in Figure 26 (back pocket). The posted location of the Minfile showing is 400 m NW of the showing documented by Du Pont. At the location documented by Du Pont is a steeply dipping, 50 m wide zone of red-brown to tan weathering granite with abundant millimeter scale black tourmaline veins and less abundant quartz veins up to 60 cm wide. The zone cuts across a ridge and is covered by talus on either side. Quartz veins in the zone contain abundant chlorite, tourmaline and rusty orange-brown limonite. Some samples contained up to 10% fine pyrite and other unidentified very fine crystalline sulphides. Vein density varies with width as wider veins are spaced further apart. The iron-stained alteration zone straddles the contact between fine crystalline granite to the north and coarse crystalline granite to the south. It was evidently drilled from south to north and reportedly returned best assays of 0.14% Sn over 1 m. This tenor agrees with surface sampling which returned a highest value of 1337 ppm Sn (Sample I841335) from a 20 cm wide quartz-chlorite (?tourmaline)-limonite bearing vein. There was no indication at surface that there might be a wider interval of vein or stockwork mineralization present. The covered regions on strike with the zone in either direction remain prospective however.

Figure 27. Quartz-pyrite ± Sn vein Du Showing / Milk Claims (Sample I841332)

Figure 28. Quartz-tourmaline veinlets / Du Showing / Milk Claims

8.10 Goods Claims

The Goods Claims cover Yukon Minfile Showing 105B 081 (Duval). This Minfile report describes the mineralization as a series of narrow (1-4 cm) stanniferous quartz veins within a prominent gossan in the Seagull Batholith. The Minfile report does not reference Smith (1980) wherein the mineralization on the adjacent ridge (Eccles Ridge) is described.

The Goods Claims were examined by K. Sax and T. Kalkowski on July 14, 2011. There is no mineralization at the posted Minfile location but there is a prominent greisen zone 1200 m south of the centre of the claim block on Eccles Ridge. Smith (1980) reported that this zone consisted of an east-west striking "North Vein" and a parallel greisen zone to the south. Both are exposed over a distance of approximately 100 m in frost-heaved, rubble bedrock exposure. Quartz veins are oriented at approximately 80^0 75^0 S and consist of white to grey, vuggy, medium grained quartz, with a central grey cockscomb texture quartz zone. Minor tourmaline and fine grained cassiterite occurs in portions of the veins. Samples I841373 and I841375 from quartz veins in the greisen

zone returned 1.069% Sn and 1.550% Sn respectively while sample I841424 from the North Vein returned 5936 ppm Sn.

The greisen zone is 2 to 7 m wide, is exposed over a strike length of at least 90 m, and consists of numerous dominantly parallel (rare stockwork) veins 2 to 20 cm thick (Smith 1980). The North Vein is a series of thin (2-6 cm) parallel quartz veins within a zone approximately 50 cm wide and approximately 90 m long. Both zones dip steeply south.

Figure 30. Sn bearing quartz vein (Sample I841375 / 1.550% Sn).

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The Eccles Ridge mineralization is a promising prospect insofar as tin-bearing greisen-style mineralization with economic grades has been identified immediately below the intrusive contact in the Seagull Batholith. If a suitable geophysical or geochemical technique or combination of techniques can be found to identify similar mineralization in the area, there is a high likelihood of locating additional mineralization as greisen zones commonly occur in swarms in the apical regions of tin-bearing intrusions.

11.0 CONCLUSIONS

The results of prospecting and geological mapping program conducted to date on the Seagull Tin Property support the following conclusions:

a. The Do Claims / Duval Showing hosts widespread tin mineralization of economic tenor in both skarn and vein-hosted settings. Grab samples from skarn mineralization have returned up to 2.5% Sn while vein mineralization runs to 870

ppm Sn. There is a large tin-in-soil anomaly beneath the exposed bedrock mineralization, covering at least 500 m along slope. This showing merits additional investigation to locate the source of the tin soil anomaly and to determine the extent of the high grade skarn showings.

b. The greisen mineralization at Eccles Ridge contains economic tin mineralization in narrow veins, exposed over a strike length of about 100 m. Additional exploration to locate similar greisen zones is warranted given the tendency of greisen zones to occur in clusters within and immediately above local intrusive domes.

c. Additional prospecting may be warranted on the Con Claims to locate the source of the 2700 ppm Sn drift sample collected there.

d. The Milk Claims also merit additional investigation down slope from the showing on the ridge. Although grab samples only returned up to 1300 ppm Sn, the zone on these claims is quite wide and much of it is covered at lower elevations. Careful float prospecting followed by trenching may reveal more significant mineralization at lower elevations.

e. Additional exploration is not warranted on the other remaining claims based on the results of this program.

12.0 RECOMMENDATIONS

The following recommendations, based on the conclusions of this report, are made for additional work on this property:

a. The Do Claims should be expanded to cover the likely strike extent of mineralization found thereon to date.

b. Soil sampling, ground magnetometer and VLF-EM surveys should be conducted on the Do Claims followed by trenching or shallow diamond drilling to determine the type, extent and tenor of tin-bearing bedrock mineralization on the property.

c. Eccle Ridge should be staked to cover the greisen zone and nearby favourable areas beneath or immediately above the intrusive contact.

d. Test geochemical and geophysical surveys over the greisen mineralization at Eccles Ridge should be conducted to characterize the response of the mineralization. Surveys should then be extended to cover favourable nearby areas. Trenching and shallow drilling should be conducted if additional Sn-bearing greisen zones of economic dimensions are discovered.

e. The Con Claims should be prospected to locate the source of the magnetite-tin skarn boulders and the Milk Claims should be prospected to investigate the tin-bearing alteration zone on strike at lower elevations.

Respectfully submitted,
AURORA GEOSCIENCES LTD.

Mike Power M.Sc. P.Geo.
Senior Project Manager

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APPENDIX A. CERTIFICATE

I, Michael Allan Power, M.Sc. P.Geo., P.Geoph., with business and residence addresses in Whitehorse, Yukon Territory do hereby certify that:

1. I am a member of the Association of Professional Engineers and Geoscientists of British Columbia (registration number 21131) and a professional geophysicist registered by the Northwest Territories Association of Professional Engineers, Geologists and Geophysicists (licensee L942).

2. I am a graduate of the University of Alberta with a B.Sc. (Honours) degree in Geology obtained in 1986 and a M.Sc. in Geophysics obtained in 1988.

3. I have been actively involved in mineral exploration the Northern Cordillera since 1988.

4. I supervised and conducted the exploration program described in this report.

Dated this 4th day of December, 2011 in Whitehorse, Yukon.

Respectfully Submitted,

Michael A. Power M.Sc. P. Geo.

APPENDIX B. SURVEY LOG

AURORA GEOSCIENCES

PROJECT LOG

JOB PRL-11556-YT SEAGULL TIN EXPLORATION

Sun 10 Jul 2011 *Mobilization.* The crew assembled and loaded gear and fuel in the morning and afternoon and left for Rancheria at 1700 hrs, arriving at 2100 hrs. The helicopter (Horizon R-44 / Pilot Patrick Stephens) arrived shortly before the crew. The crew based out of the Rancheria Hotel for the duration of the project.

Mon 11 Jul 2011 *Prospecting & sampling.* Safety meeting was held at 0630 hours and the first crew flew out at 0730 hrs. KS drove the truck to Rancheria and MP and TK flew into the Peas Claims. KS flew into the Tuna Claims after the first set out. About 1230 hrs, MP and TK moved to the Fired Claims while KS moved to the Con Claims. Crews began pulling out at 1730 and arrived back at Rancheria by 1900 hrs. Weather: sunny in the morning, cloudy in the afternoon with showers. Helicopter hours: 2.9.

Tue 12 Jul 2011 *Prospecting and sampling.* Safety meeting was held at 0630 hrs and the first crew left at 0715 hrs. KS and TK worked on the Laughter Claims (AM) and the Beans Claims (PM), switching at 1100 hrs. MP worked on the Corn Claims (AM) and the Beans (4) (PM), switching at 1230 hrs. Crews began to demobe at 1630 hrs and all were back in Rancheria by 1730 hrs. Weather: Clear in the morning with some buildup in the afternoon. Helicopter hours: 2.7

Wed 13 Jul 2011 *Prospecting and sampling.* Safety meeting was held at 0630 hrs and the first crew flew out at 0715 hrs. Everyone worked on the Do Claims (Sin Showing). TK ran soils and prospected. KS and MP mapped and prospected. Derek Torgerson (Yukon Government Geologist) flew in to visit the crew from 1130 to 1400 hours and toured the property before leaving. First crew began demobe at 1745 hrs and the last crew arrived in Rancheria at 1850 hrs. Weather: clear, some buildup in the afternoon. Helicopter hours: 3.5

Thu 14 Jul 2011 *Prospecting and sampling.* Safety meeting at 0630 and the first crew flew out at 0715. KS and TK worked on the Goods Claims all day. MP covered the Music Claims in the morning and the Milk

Claims in the afternoon, switching around noon. Crew demobe began at 1630 hrs and all were back in Rancheria by 1745 hrs. Weather: partly cloudy, with buildup and distant late afternoon thundershowers. Helicopter hours: 2.7.

Fri 15 Jul 2011 *Prospecting and sampling / demobe.* Safety meeting at 0630 and the first crew flew out at 0715. The crew worked on the Do Claims (Sin Showing) until 1200 hrs and then demobilized to Rancheria. Packed gear and left Rancheria about 1430 hrs. MP went to Whitehorse with the chopper; KS and TK drove back. Crew returned to Whitehorse by 1800 hrs.

Total rock samples collected: 99
Total soil samples collected: 56

Personnel:

Mike Power
1 Bates Crescent
Whitehorse, YT Y1A 4T8

Kel Sax
34A Laberge Road
Whitehorse YT Y1A 5Y9

Tomas Kalkowski
34A Laberge Road
Whitehorse YT Y1A 5Y9

Summary of time spent on each prospect

Claims	*Two man crew-days*	*Proportion (%)*
Beans 1-36	1.0	11.1
Tuna 1-4	0.5	5.6
Music 1-4	0.5	5.6
Laughter 1-4	0.5	5.6
Con 1-4	0.5	5.6
Do 1-4	3.0	33.3
Corn 1-4	0.5	5.6
Fired 1-4	0.5	5.6
Peas 1-4	0.5	5.6
Milk 1-4	0.5	5.6
Goods 1-4	1.0	11.1
Total	***9.0***	***100.0***

APPENDIX C. STATEMENT OF COSTS

SEAGULL TIN PROJECT
2011 PROJECT EXPENDITURES

Mobilization & demobilization		
Crew, equipment preparation & expediting	$367.50	
Data assembly, GIS, research, logistics	$945.00	
Total - Mobe & Demobe	$1,312.50	$1,312.50
Geological mapping & prospecting		
Crew chief / Senior geologist: 5.5 days	$3,898.13	
Senior geologist: 5.5 days	$3,898.13	
Prospector: 5.5 days	$2,887.50	
Niton XRF gun: 5 days	$1,181.25	
Radios, GPS, SATphone, field office gear: 5 days	$131.25	
1Ton 4x4 crew cab truck: 5 days	$787.50	
6000lb double axle trailer: 5 days	$262.50	
Total - Geological mapping & prospecting	$13,046.25	$13,046.25
Support charges		
Accommodation & meals	$2,685.89	
Other groceries	$354.56	
Field supplies (sample books, flagging, bags, etc.)	$346.29	
Gas & propane	$351.44	
Helicopter	$17,818.76	
Avgas	$4,103.95	
Assays	$7,393.03	
Total - Support charges	$33,053.91	$33,053.91
Data processing & report		
Report	$2,835.00	$2,835.00
		$50,247.66

Project expenditures have been apportioned to each claim block by pro-rating a share of total project expenditures based on the time spent on each block.

Claims	Proportion (%)	Assessment work	Assessment years per claim in the block
Beans 1-36	11.1	$5,577.49	1
Tuna 1-4	5.6	$2,813.87	5
Music 1-4	5.6	$2,813.87	5
Laughter 1-4	5.6	$2,813.87	5
Con 1-4	5.6	$2,813.87	5
Do 1-4	33.0	$16,581.73	5
Corn 1-4	5.6	$2,813.87	5
Fired 1-4	5.6	$2,813.87	5
Peas 1-4	5.6	$2,813.87	5
Milk 1-4	5.6	$2,813.87	5
Goods 1-4	11.1	$5,577.49	5
Total	100.0	$50,247.66	

I certify that this statement of expenditures is complete and correct to the best of my knowledge.

M.A. Power, M.Sc.,P.Geo.
Senior Project Manager

December 4, 2011

APPENDIX D. GEOLOGICAL MAPPING & PROSPECTING OBSERVATIONS

Location				Recording info			Unit	Foliation				
No.	UTME	UTMN	Z	Mapper	Date	Claims		S0		S1		S
								S	D	S	D	S
MP01	352538	6674705	1443	MP	11-Jul-11	Peas	ARG	133	30			
MP02	352741	6674754	1340	MP	11-Jul-11	Peas	ARG					
MP03	352633	6675188	1267	MP	11-Jul-11	Peas	GRAN					
MP04	352559	6674986	1323	MP	11-Jul-11	Peas	GRAN					
MP05	357612	6675249	1719	MP	11-Jul-11	Fired	GRAN					
MP06	357618	6675264	1717	MP	11-Jul-11	Fired	GRAN					
MP07	357646	6675339	1688	MP	11-Jul-11	Fired	GRAN					
MP08	357432	6674553	1726	MP	11-Jul-11	Fired	GRAN					
MP09	357443	6674549	1717	MP	11-Jul-11	Fired	GRAN					
MP10	357449	6674549	1714	MP	11-Jul-11	Fired	GRAN					
MP11	357473	6674550	1706	MP	11-Jul-11	Fired	GRAN					
MP12	362157	6671972	1749	MP	12-Jul-11	Corn	LS	308	65			
MP13	362145	66711151	1584	MP	12-Jul-11	Corn	GRAN					

Location					Veins						Lineation			
No.	UTME	UTMN	Z	3	V1		V2		V3		L1		L2	
				D	S	D	S	D	S	D	T	P	T	P
MP01	352538	6674705	1443		133	30	148	70						
MP02	352741	6674754	1340											
MP03	352633	6675188	1267											
MP04	352559	6674986	1323		23	82	102	80						
MP05	357612	6675249	1719											
MP06	357618	6675264	1717		105	80								
MP07	357646	6675339	1688											
MP08	357432	6674553	1726											
MP09	357443	6674549	1717		266	85								
MP10	357449	6674549	1714											
MP11	357473	6674550	1706											
MP12	362157	6671972	1749											
MP13	362145	66711151	1584											

Location						Sulphides				Altn
No.	UTME	UTMN	Z	L3		Py	Gn	Sph	Other	
				T	P	%	%	%	%	
MP01	352538	6674705	1443							
MP02	352741	6674754	1340							
MP03	352633	6675188	1267							
MP04	352559	6674986	1323							
MP05	357612	6675249	1719							
MP06	357618	6675264	1717							
MP07	357646	6675339	1688							
MP08	357432	6674553	1726							
MP09	357443	6674549	1717							
MP10	357449	6674549	1714							
MP11	357473	6674550	1706							
MP12	362157	6671972	1749							
MP13	362145	66711151	1584							

Location				Description
No.	UTME	UTMN	Z	
MP01	352538	6674705	1443	dk gy w/wh bands wx mgy blocky, lam on a scale of 4-8 cm. Vfxl (<1 mm - 0.5mm) Qtz: anhed, glassy to opaq gy aph grnmass (hbl / biot) also vfxl non-mag/calc Some small rusty patches with smell of sulph brn-red stain; rare yel lim blotches
MP02	352741	6674754	1340	Float: no o/c. Mgy wx same vfgr fol and lam on 5 mm scale anhed well rnd qtz in vfxl blk grndmass.. Nominal Minfile location; no mineralization in the area
MP03	352633	6675188	1267	gy-wh wx pnk-tan mxl 3-6 mm aphyric no fol or lam Qtz(30%): anhed lt gy opaq in masses and blobs KSPAr(50%): wh wx tan-wh subhed 3-6mm some clear cleav Plag(10%): wh, fxl (<1 mm) intersitial to Kspar. Biot(10%): bujed 3-8 mm clar glassy cleavage, No veining
MP04	352559	6674986	1323	Granite: as above, north shore of lake.
MP05	357612	6675249	1719	Granite: tan wx oran-brn to rust, blky, tab wx, f-mxl(0.5-3mm) aphyr except rnd qtz blebs (?mariolitic?) to 1 cm. MP-5R1 Qtz (20%): rnd 0.5-2 mm glassy gy-grn Kspar(40%): cream anhed 24 mm Plag(10%): wh-anhed-subhed fxl (<1mm) on and around Kspar Biot(20%): anhed 1-3 mm blk glassy Qtz phenos (10%): poss mariolitic vessicle, anhed, rnded, to 1 cm with inward growth / zoning QV: wh wx red-brn & yel brn dom fxl qtz w/rare blk mnl to 0.5 mm and vrare flourite (MP-5R2). Vein is 8 m long, 285, steeply dipping. Samples 305, 302, 304 here (W to E).
MP06	357618	6675264	1717	Granite: as per MP05 but with abundant smky qtz tour veins spaced 5-10 cm apart.
MP07	357646	6675339	1688	QV: wh-cream wx white up to 30 cm wide, m-cxl (1-10 mm) euh interrown some vugs, cockscomb texture in marginal piece Qtz(95%): wh euh, some drusy. ?Blk Mnl: trace
MP08	357432	6674553	1726	QV: wh & yel-grn wx wh. Massive qhiteh qtz float in a bloxk at least 30 cm thick; tr blk met mnl. I841308
MP09	357443	6674549	1717	QV: per MP08 w/bands of grn qtx. Polyphase with straight to ladder-like wh veins cutting grn-gy veins
MP10	357449	6674549	1714	QV: as per MP08/09 about 2 m wide.
MP11	357473	6674550	1706	Granite: lt grn-gy wx lt gy-wh. Porphy0seriate. Dom vfxl (<1,mm) w cxl qtz mariol & Kspar phenos. Qtz (30): glassy gy-opaq anhed - mario to 1 cm Kspar (45): pnk-tan euh, in grndmass & phenos to 2 cm Plag(20): wh-euh vfxl gndmass Biot(10): anhed vfxl
MP12	362157	6671972	1749	LS: dom mgy wx irr lt gy w/resis ribs 2-5 mm. Also lesser massive wh wx same. All dom cxl (4-10 mm), chalky, ,reacts with HCL MV: dk gy wx mgy and rusty into irr blks. Aph vfxl (/hbl / qtz / plag) Contact: perpendicular to ridge, ,north dipping
MP13	362145	66711151	1584	Talus field at the bottom of a N facing cirque. No bedrock in place.

Location				Recording info			Unit	Foliation				
No.	UTME	UTMN	Z	Mapper	Date	Claims		S0		S1		S
								S	D	S	D	S
MP14	362097	6671072	1593	MP	12-Jul-11	Beans 4	GRAN					
MP15	368323	6663701	1958	MP	12-Jul-11	Beans 4	CONTACT					
MP16	368356	6663693	1961	MP	12-Jul-11	Beans 4	Volc					
MP17	368464	6663641	1951	MP	12-Jul-11	Beans 4	Volc					
MP18	365508	6669979	1766	MP	13-Jul-11	Beans 4	GRAN					
MP18A	365472	6670033	1786	MP	13-Jul-11	Do	GRAN					
MP19	365431	6670072	1803	MP	13-Jul-11	Do	GRAN					
MP20	365232	6670023	1756	MP	13-Jul-11	Do	Volc	254	72			
MP21	365212	6670023	1751	MP	13-Jul-11	Do	Volc					
MP22	365172	6670014	1750	MP	13-Jul-11	Do	Volc	15	78			
MP23	364664	6659771	1760	MP	14-Jul-11	Music	LS					
MP24	364731	6659765	1760	MP	14-Jul-11	Music	GRAN					
MP25	364719	6659716	1741	MP	14-Jul-11	Music	CONTACT					
MP26	364568	6659784	1750	MP	14-Jul-11	Music	CONTACT					
MP27	364759	6659772	1754	MP	14-Jul-11	Music	CONTACT					
MP28	357573	6676787	1654	MP	14-Jul-11	Milk	GRAN					

Location					Veins						Lineation			
No.	UTME	UTMN	Z	3	V1		V2		V3		L1		L2	
				D	S	D	S	D	S	D	T	P	T	P
MP14	362097	6671072	1593											
MP15	368323	6663701	1958											
MP16	368356	6663693	1961											
MP17	368464	6663641	1951											
MP18	365508	6669979	1766											
MP18A	365472	6670033	1786											
MP19	365431	6670072	1803		280	80								
MP20	365232	6670023	1756											
MP21	365212	6670023	1751											
MP22	365172	6670014	1750											
MP23	364664	6659771	1760											
MP24	364731	6659765	1760											
MP25	364719	6659716	1741											
MP26	364568	6659784	1750											
MP27	364759	6659772	1754											
MP28	357573	6676787	1654											

Location						Sulphides				Altn
No.	UTME	UTMN	Z	L3		Py	Gn	Sph	Other	
				T	P	%	%	%	%	
MP14	362097	6671072	1593							
MP15	368323	6663701	1958							
MP16	368356	6663693	1961							
MP17	368464	6663641	1951							
MP18	365508	6669979	1766							
MP18A	365472	6670033	1786							
MP19	365431	6670072	1803							
MP20	365232	6670023	1756							
MP21	365212	6670023	1751							
MP22	365172	6670014	1750							
MP23	364664	6659771	1760							
MP24	364731	6659765	1760							
MP25	364719	6659716	1741							
MP26	364568	6659784	1750							
MP27	364759	6659772	1754							
MP28	357573	6676787	1654							

Location				Description
No.	UTME	UTMN	Z	
				Near Beans4 on the ridge. From the drop off to this station - granite. Gran gets coarser as you go uphill. Above this station, qtz-tour veining begins followed by thin tour veins and, near contact with mvolcs, iron staining and limonite in fractures in
MP14	362097	6671072	1593	the granite. Veining much more frequent near the contact; spacing changes from several metres to about 10 cm.
MP15	368323	6663701	1958	Contact between vfxl granite (border phase) and metavolcanics
MP16	368356	6663693	1961	Gossan above contact, about 7 m wide. Photo looking NW
MP17	368464	6663641	1951	At the east end of two recessive gullies with gossans therein.
				Granite: tan-brown weathering same, fine grained (0.5-1mm) with a few larger, non-foliated. Qtz(20): hite-glassy subhedral, prismatic, in clots Feldspar(80): Iron stained bryn, subhed, elongate, striat
MP18	365508	6669979	1766	Abundant thin qtz-tour veins
MP18A	365472	6670033	1786	QV: lim rubble, 280 / north
MP19	365431	6670072	1803	QV: Qtz-tour vein, 280 / 80, massive blk tour, ,prism xl to 3 cm, qtz, py (rare), cpy (rarer), fluor, hem, lim.mal, azur
				MV dike: ~1 m thick slightly folded dyke; chloritized mV. Dk grn-blue-gy wx rusty oran-brn. Aphan to vfxl, dom chlor with
MP20	365232	6670023	1756	veins of qtz-gal-sphal-py. Sulphides are ~10% of rock. Unit 254 / 72, possibly folded. Ref spl & photo
MP21	365212	6670023	1751	MV: same unit, ~2 m thick / Photo
MP22	365172	6670014	1750	Mv: same unit, 1.5 m thick.
MP23	364664	6659771	1760	LS: lt gy wx mod gy, mxl (1-2mm), ,bedding from 2-5 cm apart. Thin metavolcanic sill or flow 20 E of this location.
				Granite: wh mottled blk wx tan-brn to red, cxl, sl porphy (plag) . Cxls 2-4 mm Biot(10) anhed-subhed, 2 mm Qtz(20): anhed, 1-2mm, glassy blebs Plag(40): wxy lt grn-wh subhed, 3-5 mm
MP24	364731	6659765	1760	Kspar(alb) (30): wh, tabular, 1-2 mm
MP25	364719	6659716	1741	Contact between LS and Granite
				Contact between LS and chert / quartzite unit.
MP26	364568	6659784	1750	Qtzite: lt gy wx mgy-brn, vfxl
				Contact bewteen granite and metaquartzite Greywacke: mgy wx lt gy-brn and into rectangular blocks. Vfxl (<0.5mm), dom dk mnls, curved fract surfaces, Fe stain on
MP27	364759	6659772	1754	fractures
				On the tidge wi/in 20 m of an old post cluster. Granite: tan wx pnk-brn-an into irr blocks, mxl (1-2mm) Qtz(20): glassy, anhed, fxl occ clumps to 5 mm Kspar(40): pnk-brn, subjed, sriated Plag(30): white albite? Platy to lamellar
MP28	357573	6676787	1654	Biot(10): vfxl,, subhed, blk shiny & platey

Location				Recording info			Unit	Foliation				
No.	UTME	UTMN	Z	Mapper	Date	Claims		S0		S1		S
								S	D	S	D	S
MP29	357623	6676684	1690	MP	14-Jul-11	Milk	GRAN					
MP30	357542	6676605	1656	MP	14-Jul-11	Milk	GRAN					
MP31	357487	6676537	1635	MP	14-Jul-11	Milk	GRAN					
MP32	357406	6676458	1649	MP	14-Jul-11	Milk	GRAN					
MP33	357317	6676419	1662	MP	14-Jul-11	Milk	GRAN					
MP34	357282	6676395	1689	MP	14-Jul-11	Milk	GRAN					
MP35	357038	6676526	1655	MP	14-Jul-11	Milk	GRAN					
MP36	356599	6676351	1685	MP	14-Jul-11	Milk	GRAN					
841351	361118	6663933	1472	Kel Sax	2011 July 11	Tuna	porph?					
841352	360993	6663408	1676	Kel Sax	2011 July 11	Tuna	hornfels					
841353	360993	6663408	1676	Kel Sax	2011 July 11	Tuna	granite					
841354	360890	6664301	1593	Kel Sax	2011 July 11	Tuna	granite			30	90	
841355	360870	6664300	1593	Kel Sax	2011 July 11	Tuna	granite			30	90	
841356	367232	6667931	1767	Kel Sax	2011 July 11	Con	magnetite					
841357	367755	6668165	1555	Kel Sax	2011 July 11	Con	granite					
841358	373875	6661048	1738	Kel Sax	2011 July 12	Laughter	granite	90	90	352	28	214
841359	373893	6661046	1733	Kel Sax	2011 July 12	Laughter	granite	90	90	352	28	214

Location					Veins						Lineation			
No.	UTME	UTMN	Z	3	V1		V2		V3		L1		L2	
				D	S	D	S	D	S	D	T	P	T	P
MP29	357623	6676684	1690											
MP30	357542	6676605	1656											
MP31	357487	6676537	1635		105	70	283	80	300	90				
MP32	357406	6676458	1649											
MP33	357317	6676419	1662											
MP34	357282	6676395	1689											
MP35	357038	6676526	1655											
MP36	356599	6676351	1685											
841351	361118	6663933	1472											
841352	360993	6663408	1676											
841353	360993	6663408	1676											
841354	360890	6664301	1593		305	45								
841355	360870	6664300	1593		305	45								
841356	367232	6667931	1767											
841357	367755	6668165	1555		88	90								
841358	373875	6661048	1738	16										
841359	373893	6661046	1733	16										

Location						Sulphides				Altn
No.	UTME	UTMN	Z	L3		Py	Gn	Sph	Other	
				T	P	%	%	%	%	
MP29	357623	6676684	1690							
MP30	357542	6676605	1656							
MP31	357487	6676537	1635							
MP32	357406	6676458	1649							
MP33	357317	6676419	1662							
MP34	357282	6676395	1689							
MP35	357038	6676526	1655							
MP36	356599	6676351	1685							
841351	361118	6663933	1472			tr			tr	
841352	360993	6663408	1676							hornfels
841353	360993	6663408	1676							
841354	360890	6664301	1593							
841355	360870	6664300	1593							
841356	367232	6667931	1767							
841357	367755	6668165	1555							
841358	373875	6661048	1738							clay
841359	373893	6661046	1733							

Location				Description
No.	UTME	UTMN	Z	
				Top of knoll along ridge. Granite: mgy wx red-brn & wh. Seriate with cxl qtz (mariolitic), albite & biot. Qtz(20): aas fxl (<0.5 mm) rnd anhed blebs and as larger 2-6 mm rnded aggregates Kspar(60): tan-cream m-cxl (2-4 mm), subhed to euhed xls Plag(10): wh lamellar vfxl masses associated with qtz Biot (10): vfxl (0.5 mm)
MP29	357623	6676684	1690	Refspl MP29 and photo down ridge to south
				Granite: wh & lt gy motled blk wx pnk-tan w/irr conchoidalfrac. Fxl, massive, tour veinlets along fractures Qtz(30): 0.5-1mm subhed to rnd glassy-brn Kspar(50): wh-tan, subhed, striaed lathes Plag(0): wh, interstitial, lamellar to massive Biot(10): 0.5 to 1 mm, subhed
MP30	357542	6676605	1656	This is a fxl border phase of the granite
MP31	357487	6676537	1635	Granite: cxl phase w/tan-pnk kspar phenos to 1 cm
MP32	357406	6676458	1649	Granite: fxl w/qtz-chlor veins
MP33	357317	6676419	1662	Apparent drill pad: Photos (pad & looking S).
MP34	357282	6676395	1689	Granite: as above, mariolitic, mxl w/intense pervasive lim stain (Ref sample MP34)
MP35	357038	6676526	1655	Granite: tan wx pnk-brn mariolitic qtz to 3 mm, mostof the rock is 1-2 mm.
MP36	356599	6676351	1685	Claim posts: Post No 1 YA28981
841351	361118	6663933	1472	very rusty weathering, medium grey groundmass 80% with white to cream phenocrysts recrystallized quartz with variable feldspar, up to 1mm. Possibly a hornfelsed grit? Very fine grained disseminated py+-aspy+-cpy. Float boulder on granitic knob.
841352	360993	6663408	1676	Hornfels boulder on granite ridge, rubble crop. Dull orange and tan weathering, dark grey fine grained hornfels. Very tough and siliceous.
841353	360993	6663408	1676	Boulder next to KS-02. Top of columnar ridge granites. Weakly buff to grey weathering, with clear grey quartz subhedral phenocrysts to 5mm in anhedral to subhedral cream to buff groundmass of muscovite and feldspars, 0.5 to 1mm, 70%. Dark brown to black sub to anhedral crystals to 2mm, < 1%, tourmaline?
841354	360890	6664301	1593	Planar foliated granite, as KS-03, with biotite up to 2% and tourmaline veins to 3cm wide.
841355	360870	6664300	1593	As KS-04, coarser grained, tourmaline veins to 5cm, with trace fluorite.
841356	367232	6667931	1767	cobble steel magnetite in boulder field of variably rusty metaseds and coarse gr granite: 40% clear grey qtz, 50% cream to tan fspar, and 10% biotite.
841357	367755	6668165	1555	Buff and grey wx granite, clear grey qtz phenos 0.5 to 2mm, 30%, variably clay alt fspars 50% an to subhedral, up to 1cm; 10% amphibole + biotite + tourmaline as vnlets; 10% musc less than 1mm. Outcrop in east linear cirque valley, surrounded by bent metaseds, variably rusty.
841358	373875	6661048	1738	Discontinuous chip sample over 3m. Reported tourmalized veins in granite appear more like hairline vein stockwork and flooding. Brown to dull orange wx, weak clay alt, tan to pale orange granite, with broken, clear to clear grey, qtz xls to 4mm 30%, fspars partially alt, 40%. Black minerals tourmaline? +- amphibole 30%.
841359	373893	6661046	1733	Discontinous chip sample over 2m. As above, finer gr granite, more alt, vn bx more noticable.

Location				Recording info			Unit	Foliation				
No.	UTME	UTMN	Z	Mapper	Date	Claims		S0		S1		S
								S	D	S	D	S
841360	373884	6661044	1734	Kel Sax	2011 July 12		intermed dike?	90	90			
841361	369105	6665939	1518	Kel Sax	2011 July 12		skarn					
841362	369106	6665920	1520	Kel Sax	2011 July 12		granite					
841363	369106	6665920	1520	Kel Sax	2011 July 12		hornfels					
841364	368947	6665922	1518	Kel Sax	2011 July 12		hornfels					
841365	368759	6665834	1512	Kel Sax	2011 July 12		garnet hornfels					
8	368842	6665882	1523	Kel Sax	2011 July 12		schist			90	90	0
841366	364792	6669913	1695	Kel Sax	2011 July 13		granite			80	76	
841367	363877	6669923	1704	Kel Sax	2011 July 13		granite					
841368	365410	6670060	1788	Kel Sax	2011 July 13		mafic porph					
841369	365204	667019	1758	Kel Sax	2011 July 13		min metavolc					
841370	365159	6670012	1749	Kel Sax	2011 July 13		granodiorite					
841371	365056	6669968	1714	Kel Sax	2011 July 13		qtz vn metavolc					
841372	355165	6678446	1660	Kel Sax	2011 July 14	Goods	qtz vn					
841373	355165	6678446	1660	Kel Sax	2011 July 14	Goods	qtz vn					
841374	355126	6678456	1645	Kel Sax	2011 July 14	Goods	qtz vn					
841375	355133	6678442	1642	Kel Sax	2011 July 14	Goods	qtz vn					
841376	355145	6678465	1671	Kel Sax	2011 July 14	Goods	qtz vn					

Location					Veins						Lineation			
No.	UTME	UTMN	Z	3	V1		V2		V3		L1		L2	
				D	S	D	S	D	S	D	T	P	T	P
841360	373884	6661044	1734											
841361	369105	6665939	1518											
841362	369106	6665920	1520											
841363	369106	6665920	1520											
841364	368947	6665922	1518											
841365	368759	6665834	1512											
8	368842	6665882	1523	0										
841366	364792	6669913	1695		246	28	270	64						
841367	363877	6669923	1704											
841368	365410	6670060	1788											
841369	365204	667019	1758											
841370	365159	6670012	1749											
841371	365056	6669968	1714											
841372	355165	6678446	1660											
841373	355165	6678446	1660											
841374	355126	6678456	1645		80	75								
841375	355133	6678442	1642											
841376	355145	6678465	1671											

Location						Sulphides				Altn
No.	UTME	UTMN	Z	L3		Py	Gn	Sph	Other	
				T	P	%	%	%	%	
841360	373884	6661044	1734							
841361	369105	6665939	1518							
841362	369106	6665920	1520							
841363	369106	6665920	1520							
841364	368947	6665922	1518			2			1	
841365	368759	6665834	1512					1		
8	368842	6665882	1523							
841366	364792	6669913	1695							ser+chl
841367	363877	6669923	1704			tr				
841368	365410	6670060	1788							strong chl
841369	365204	667019	1758				1		1	
841370	365159	6670012	1749							ser+chl+-py
841371	365056	6669968	1714							
841372	355165	6678446	1660							ser
841373	355165	6678446	1660							
841374	355126	6678456	1645							
841375	355133	6678442	1642							
841376	355145	6678465	1671							

Location				Description
No.	UTME	UTMN	Z	
841360	373884	6661044	1734	Chip sample over 0.4m. Yellow and tan wx, speckled grey fine grained intermed dike? Very pale green translucent to powdery mineral 20% up to 1mm. Clear grey to opaque white qtz 30%, fspars 30%, indistinct black minerals 20%. Between fault/alteration contacts.
841361	369105	6665939	1518	Boulder talus field below cliffs. Light grey limestone skarn cut by random black vnlets. Boulders in immed area: med gr marble, black coarse gr gabbro, granite, rusty phyllite to schist.
841362	369106	6665920	1520	Boulder talus as above. Buff to light brown wx, weakly altered massive med gr equigranular granite, with 40% clear and grey and tan qtz xls, buff and tan fspars 60%. No discernable mafics. Cut by tourmaline? + qtz microvnlets.
841363	369106	6665920	1520	Boulder talus as above. Rusty wx, dark blue grey to black to brown purple med gr hornfels, with very fine gr dissem sulph?
841364	368947	6665922	1518	Small (10m x 3m) indistinct kill zone in alpine meadow. Rusty boulders dug out of marmot holes are usu fine gr, green grey to pale blue grey hornfels with clots and dissem py + aspy + tr cpy. Other boulders are gabbro, marble, and schist.
841365	368759	6665834	1512	Boulder talus at base of cliffs. Blue black, dark rust, and dark green wx, moderately foliated garnet hornfels. Garnet patches 10%, diopside 5%, and dark honey sphal 1%. Other boulders of true marble skarn, coarse gr gabbro, variably rusty hornfels, and very wx coarse gr ultramafic.
8	368842	6665882	1523	Floor of cirque extensive outcrops. Massive to finely laminated and locally weakly contorted fine gr schists. Scattered boulders of well weathered coarse gr ultramafics.
841366	364792	6669913	1695	Very thin, pale orange green grey and tan wx rind, buff to very pale green and grey, fine gr granite, textures indistinct. Few mafic minerals. Clear and clear grey qtz xls to 2mm 30%, remainder fspars. Black mineral (cassit?) <1%, clots and dissem. Cream and pale grey qtz vns <1cm
841367	363877	6669923	1704	Boulder talus. As above granite, some remaining mafic phenos. Tr dissem pale py or aspy. Tr cassit grains?
841368	365410	6670060	1788	Float below SIN blast trench. Muddy brownish green wx, prominent resistant wx phenos up to 1cm, appears like amphibole xls, locally zoned. Strongly chl - muddy green brown very fine gr matrix 70% with eahedral altered phenos as above. Cut by subparallel microcrystalline tourmaline vnlets.
841369	365204	667019	1758	Rubble crop. Metavolcanic? Strong patchy rust, with stringers galena, pods of fluorite, and vein vugs lined with clear thin columnar xls (not qtz). Possible aspy 1%
841370	365159	6670012	1749	Rubble. Very rusty granodiorite with tourmaline and tr aspy. Altered mafices 30%, altered fspars 50%, clear qtz 20%.
841371	365056	6669968	1714	Talus. Qtz vein cobble in metavolc? Very rusty, tr aspy?
841372	355165	6678446	1660	Block talus (felsenmeer) top of ridge, SW side. Qtz tourmaline +- cassiterite ven cutting granite porphyry (qtz porphs to 4mm 20% in tan to dull orange fine gr matrix of qtz+fspars+-biotite)
841373	355165	6678446	1660	Same location as above. Vuggy qtz vein; fine to med gr, clear white or grey with coarser cockscomb in centre of vein. Approx 4cm wide with rusty selvages.
841374	355126	6678456	1645	SW side of ridge outcrop. Chip sample across 0.4m; qtz vein swarm in granite porph with few vugs lined with qtz crystals, micro tourmaline veinlets?
841375	355133	6678442	1642	Rubble. Weakly vuggy qtz vn as above.
841376	355145	6678465	1671	Rubble, top of ridge. Weakly vuggy qtz vn as above.

APPENDIX E. ROCK SAMPLE ANALYSES

Sample	Sampler	Shipment	Certificate	UTME	UTMN	Claims	Type	Description
I841302	MP	2011-01	WH11000778	357610	6675250	Fired	G	QV: wh wx red-brn & yel brn dom fxl qtz w/rare blk mnl to 0.5 mm and vrare flourite (MP-5R2). Vein is 8 m long, 285, steeply dipping.
I841303	MP	2011-01	WH11000778	357619	6675264	Fired	G	Sample of granite with microveining; qtx-tour veinlets 5-10cm apart
I841304	MP	2011-01	WH11000778	357611	6675249	Fired	G	Finer grain and darker phase of vein sampled in 302 / 305.
I841305	MP	2011-01	WH11000778	357607	6675250	Fired	G	QV: wh wx red-brn & yel brn dom fxl qtz w/rare blk mnl to 0.5 mm and vrare flourite (MP-5R2). Vein is 8 m long, 285, steeply dipping.
I841306	MP	2011-01	WH11000778	357649	6675339	Fired	G	QV: wh-cream wx white up to 30 cm wide, m-cxl (1-10 mm) euh interrown some vugs, cockscomb texture in marginal piece Qtz(95%): wh euh, some drusy. ?Blk Mnl: trace
I841307	MP	2011-01	WH11000778	357631	6675342	Fired	G	QV: wh-cream wx white up to 30 cm wide, m-cxl (1-10 mm) euh interrown some vugs, cockscomb texture in marginal piece Qtz(95%): wh euh, some drusy. ?Blk Mnl: trace
I841308	MP	2011-01	WH11000778	357432	6674553	Fired	G	QV: wh & yel-grn wx wh. Massive qhiteh qtz float in a bloxk at least 30 cm thick; tr blk met mnl. I841308
I841309	MP	2011-01	WH11000778	357442	6674549	Fired	G	QV: per MP08 w/bands of grn qtx. Polyphase with straight to ladder-like wh veins cutting grn-gy veins
I841310	MP	2011-01	WH11000778	357450	6674549	Fired	G	QV: rusty, grn qtz with met blk mnl.
I841311	MP	2011-01	WH11000778	362157	6671972	Corn	G	Skarn near LS/MV contact: 10m x 10 m patch, irr ls frags w/fxl (<1mm) py (10%); rock smells of sulphur
I841312	MP	2011-01	WH11000778	362145	6671151	Corn	G	?Aplite: wh0lt gy wx same. Massive, blky. Mixture of plag, qtz, Kspar, & 5% diss blk mnls.
I841313	MP	2011-01	WH11000778	362096	6671072	Corn	G	Granite: mottled gy & gx wx oran-brn & blky. Cxl (5-10 mm), aphyric Qtz(30): 2-8 mm, gy, glassy, anhed, rnd. Kspar(40): 5-10 mm, tan-brn euh lathes Plag(10) 4-8 mm wh-grn gy, subhed Biot(10): subhed 2-5 mm
I841314	MP	2011-01	WH11000778	362066	6671054	Corn	G	qzt-tour-peg float
I841315	MP	2011-01	WH11000778	362017	6671041	Corn	G	Granite: highly altered. wh& cream wx rut brn & yellow orange. Irr lams on cm spacing. Qtz(50), Kspar(50) - tan-brn, euh phenos
I841316	MP	2011-01	WH11000778	362032	6671077	Corn	G	QV: tour-qtz-kspar with heavy lim stain (float)
I841317	MP	2011-01	WH11000778	368206	6663777	Beans SE	G	Peg: qtz-tour-peg. Blk mottled wx rust-brn. Cxl 5mm - 9 mm. Qtz(10) fxl gy glassy qtz Feldspar(30): wh-lt grn gy subhed, in aggregates to 5 mm tour(60): blk, euh to 1 cm Tr flourite: purple-pnk
I841318	MP	2011-01	WH11000778	368306	6663716	Beans SE	G	Gossan: mott oran-yel / brn / blue-blk, vfxl. Appears to be altered border phase granite (fxl granite). Blue-purp bl wx rust brn shiny metallic mineral on faces and in blebs.
I841319	MP	2011-01	WH11000778	368351	6663693	Beans SE	G	Gossan: resinous, silvery cubic xl, sulph (?sphal)
I841320	MP	2011-01	WH11000778	368356	6663693	Beans SE	G	Gossan: sulph bearing mv float from east end of the zone. Irr blue tarnish, sulphide smell when struck
I841321	MP	2011-01	WH11000778	368464	6663641	Beans SE	G	Gossan: skarn mvolc: dk grn-gy wx rusty-brn into irr frags cxl w/ chlor, sulph, extensive lim stain.
I841322	MP	2011-01	WH11000778	368435	6663654	Beans SE	G	Gossan: skarn mvolc: dk grn-gy wx rusty-brn into irr frags cxl w/ chlor, sulph, extensive lim stain.
I841323	MP	2011-01	WH11000778	368428	6663664	Beans SE	G	Gossan: skarn mvolc: dk grn-gy wx rusty-brn into irr frags cxl w/ chlor, sulph, extensive lim stain.
I841324	MP	2011-01	WH11000778	365530	6669967	Do	G	Aplite: mgy wx lt gy-grn, mxl (1-2mm), aphyric, Plag(80): wxy grn-wh, subhed, 1-2 mm Qtz(20): smky, anhed, 1-2 mm Trace blk mineral
I841325	MP	2011-01	WH11000778	365472	6670033	Do	G	QV: Qtz-plag vein, ~1 m wide, 240 / steeply N. Lt gy-grn wx rusty oran-brn. Alteration rims on fragmens (lim altn front extends 1-2 cm into fragments) Qtz(90): lt gy-grn, opaq, 1-2mm. Plag(10): waxy lt grn
I841326	MP	2011-01	WH11000778	365472	6670041	Do	G	Granite: country rock
I841327	MP	2011-01	WH11000778	365431	6670072	Do	G	QV: Qtz-tour vein, 280 / 80, massive blk tour, ,prism xl to 3 cm, qtz, py (rare), cpy (rarer), fluor, hem, lim.mal, azur
I841328	MP	2011-01	WH11000778	365344	6670042	Do	G	Aplite: wh wx wh and rust brn, ,mxl 1-2 mm, sl porphy wih plag to 5 mm, tr silvery metallic mnl.
I841329	MP	2011-01	WH11000778	365232	6670023	Do	G	MV dike: ~1 m thick slightly folded dyke; chloritized mV. Dk grn-blue-gy wx rusty oran-brn. Aphan to vfxl, dom chlor with veins of qtz-gal-sphal-py. Sulphides are ~10% of rock. Unit 254 / 72, possibly folded. Ref spl & photo
I841330	MP	2011-01	WH11000778	364416	6659846	Music	G	Gossan: wh-lt gyn-gy wx limonitic soil, cxl (5-15 mm), qtz-py-chlor
I841331	MP	2011-01	WH11000778	357609	6676773	Milk	G	QV: blu-lt gy wx rusty & wh cxl qtz-lim vein float. Largest piece 10" wide (min vein width). Tr to 2% py & other sulph.
I841332	MP	2011-01	WH11000778	357474	6676521	Milk	G	QV: mgy wx rusty-blk into irr blky frags w/sharp edges. Fxl(~1mm) qtz-chlor-py (10%). Vein is 60 cm thick and 105 /70

Sample	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02
I841302	10	2	0.1	3	7.2	0.9	6.2	114	17	4.1	0.8	5.6	1.3	<8	0.25	21.4	11.3	2.9	6.7	0.65
I841303	60	3	0.1	9.3	23.2	7.6	53	435.5	77	7.2	6	55	13.2	<8	190.8	194.4	81.6	87.5	175.2	19.4
I841304	15	17	0.1	6.8	6	1.1	9	136.6	29	3.7	1.4	9.3	2.3	<8	2.6	23.6	8.4	5.1	11.2	1.19
I841305	21	0.5	0.1	11.1	9.9	1.7	12.2	204.1	216	4	1.7	15.5	2.7	<8	2.9	43.2	10.4	12.5	25.6	2.63
I841306	29	0.5	0.1	2.1	7.3	0.9	6.2	118.7	12	6.5	0.8	5.3	1	<8	0.6	21.5	5.5	3.8	6.1	0.63
I841307	14	0.5	0.1	2.4	7.4	0.8	4.8	106.3	11	4.3	0.5	5	0.9	<8	0.25	13.6	4.2	4.5	7.7	0.75
I841308	8	0.5	0.1	2.5	8.5	0.6	3.9	115.1	30	1.3	0.5	4.1	1	<8	0.25	12.2	6.8	4.9	9.3	0.89
I841309	9	1	0.1	3.8	20.4	1.5	11	253.4	37	1.1	1.1	12.3	5.5	<8	0.6	30.8	14.8	8.7	18	1.83
I841310	82	0.5	0.1	9.1	19.2	4.5	35.5	454.7	25	5.3	4.1	41	15.4	<8	4.1	93.5	39.9	36.4	79.9	7.85
I841311	866	0.5	34.9	7.2	20.8	5.2	57.7	90	4	362.6	3.9	4.8	1.5	390	3	214.2	29.3	35.4	70.9	8.15
I841312	1045	2	1.2	1.2	21	2.4	8.6	36.7	1	530.7	0.3	0.7	0.6	14	0.25	75.1	1.4	1.8	2.9	0.3
I841313	67	5	0.1	12.3	23.4	9.3	70.3	459.5	6	12.4	6.8	55.6	13.2	<8	3.6	229.8	75.9	71.8	142.6	15.19
I841314	49	55	0.4	13.3	22.1	5.3	60.2	420.1	7	15.6	9	57.1	12.2	16	5	138.1	73.2	92.2	191.4	21.59
I841315	243	30	0.6	3.8	25.1	8	50.4	195.8	133	150.1	5.6	53	7.3	16	2.5	213	91.5	26.2	44.8	6.5
I841316	355	5	0.5	4.6	28.4	4	57.6	320.2	25	81	8.8	26.1	8.4	9	3.1	95	66.1	43.1	72.5	9.24
I841317	5	9	0.6	1.1	37.3	5.5	59.5	5.3	47	12.4	6.7	67.8	9	12	4	152.8	144.8	47.1	106.8	14.06
I841318	90	28	0.5	19.1	31.3	9.3	96.6	582.7	54	7.6	23.3	59.1	21.9	<8	6.4	125.2	121.3	80.6	167.6	18.34
I841319	845	4	49.2	68.2	31.8	5.4	105.4	1870.4	3	30.7	24	498.1	42.1	74	1.2	130	39.6	803.1	1323.4	114.13
I841320	9	0.5	119.2	1.2	1.2	0.05	1.1	6.3	2	4.3	3.8	0.2	0.05	45	2	1.4	2.1	0.9	2.3	0.29
I841321	26	0.5	149	2	1.1	0.2	0.7	11.3	0.5	2.9	1.2	2.2	0.2	36	3.2	1.5	1.8	2	3.9	0.41
I841322	4	2	137.7	0.6	0.25	0.05	0.2	2.2	45	4.9	0.4	0.1	0.1	48	13.2	1.7	2.5	0.6	1.6	0.25
I841323	13	2	194.9	1.7	0.9	0.05	0.5	7.7	13	2.3	1.1	0.1	0.05	35	8.9	1.1	1.2	0.3	1	0.12
I841324	1501	2	1.7	3.5	22.6	3	7.4	111.8	10	928.4	0.05	1.6	0.8	15	2.6	95.1	1.5	5.6	9.6	1.21
I841325	1789	3	1.4	4.8	21.5	2.6	7.8	108.9	28	1122.1	0.4	1.2	1	13	1.1	86.5	1.4	1.9	3	0.43
I841326	1969	2	1.6	3.6	22.4	3.6	9	110.3	25	1303.3	1.2	1.2	0.9	16	0.25	106.8	1.5	3.9	8.1	0.9
I841327	133	3	43.9	3.6	32.5	2.8	4.1	34.4	870	542.6	0.05	1.1	1.2	27	4.8	83.2	1.7	1.7	2.7	0.34
I841328	1753	0.5	1.1	3.3	22.1	2.9	7.2	98.1	6	1271.7	0.05	1	1	13	0.8	87.4	0.9	2.4	4.9	0.59
I841329	18	5	98	1.9	39.8	0.5	2.6	8.1	5804	111.6	0.05	1	1.7	147	29.1	24.3	9	4	8.1	1.02
I841330	39	0.5	4	0.8	1	0.3	0.3	3.5	17	370.4	0.05	0.5	2.5	<8	0.7	17.8	8	2.6	7.7	1.38
I841331	16	2	0.4	1.7	5.4	0.4	1	58.7	64	3.1	0.6	0.4	3	18	0.25	7.2	22.9	4	6.1	0.97
I841332	13	82	0.4	4	18.1	2.8	20.5	40.3	223	4.5	1.4	26.8	6.5	<8	1	50.5	23.3	9.8	19.4	2.72

Sample	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb	Bi
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1	0.1
I841302	1.8	0.38	0.01	0.63	0.18	1.51	0.34	1.03	0.18	1.09	0.17	8.9	3.7	5.1	6	0.7	11.2	0.05	0.05	7.7
I841303	70	13.42	0.09	12.09	2.26	13.95	2.85	8.13	1.3	7.96	1.09	2.3	14.9	17.6	34	0.4	383.7	0.1	0.4	22.3
I841304	3.7	0.73	0.01	0.72	0.17	1.17	0.27	0.81	0.15	0.9	0.13	2.1	18.6	4.5	6	0.7	149.2	0.05	0.2	3.2
I841305	9.3	1.55	0.01	1.34	0.26	1.57	0.38	1.19	0.21	1.24	0.18	6	29.5	7.9	8	0.6	115.9	0.05	0.2	9
I841306	1.5	0.32	0.01	0.42	0.11	0.74	0.2	0.63	0.1	0.52	0.1	5.4	1	3.7	2	0.7	3.4	0.05	0.05	0.7
I841307	3.2	0.45	0.01	0.43	0.09	0.68	0.14	0.4	0.07	0.41	0.08	6.5	0.8	2.7	5	0.3	9	0.05	0.05	0.6
I841308	2.8	0.64	0.01	0.66	0.13	1.02	0.18	0.62	0.09	0.64	0.1	0.3	2.6	1.8	2	0.5	0.25	0.05	0.05	1
I841309	6	1.28	0.01	1.37	0.32	2.27	0.49	1.56	0.24	1.64	0.22	7.2	2.3	19.3	5	0.3	1.4	0.05	0.05	1.9
I841310	26.1	4.96	0.05	4.48	0.94	6.26	1.37	4.26	0.71	4.57	0.64	5.2	23.9	22.1	14	0.7	3.3	0.05	0.05	0.8
I841311	33	6.85	2.01	6.52	1.07	5.86	1.21	3.12	0.46	3.14	0.43	2.4	67.8	7.8	12	28.9	679.7	0.05	4.8	0.4
I841312	0.9	0.23	0.06	0.24	0.05	0.38	0.05	0.18	0.02	0.21	0.03	0.1	9.6	9.3	38	5.2	3.7	0.2	0.2	0.05
I841313	55.1	10.84	0.11	10.48	1.95	12.24	2.63	7.74	1.26	7.79	1.05	1.6	0.9	8.6	52	0.6	8.9	0.05	0.4	0.05
I841314	71.8	14.11	0.13	12.77	2.27	12.84	2.64	7.37	1.11	6.28	0.89	2.5	1.1	13.7	57	1.2	10.7	0.3	0.3	0.2
I841315	23.9	5.75	0.12	7.8	1.84	12.81	3.18	8.89	1.27	6.69	0.92	0.2	25.6	44.6	2805	0.6	21.8	6.3	0.6	1.1
I841316	30.3	5.98	0.08	6.54	1.35	8.75	2.31	7.03	1.01	6.27	0.92	0.8	9.8	42.8	163	2.2	8.6	0.5	0.1	0.2
I841317	53.9	17.18	0.17	20.32	4.29	27.67	6.08	17.9	2.42	14.45	2.07	0.8	1.3	15.5	24	1.6	7.3	0.05	0.5	1.3
I841318	52.8	10.3	0.14	9.87	2.08	13.78	3.14	10.2	1.78	11.52	1.65	7.2	1.3	39	367	6.1	8.2	1.1	0.4	0.3
I841319	244.8	24.15	0.25	12.38	1.65	7.47	1.2	3.81	0.63	4.09	0.6	0.2	11.4	12.5	138	499.4	61.8	0.05	8.3	0.1
I841320	1	0.41	0.06	0.42	0.06	0.4	0.06	0.29	0.03	0.15	0.02	0.5	100.8	4.9	133	1266.0	3.7	0.2	1.2	0.2
I841321	1.5	0.27	0.03	0.34	0.05	0.33	0.07	0.24	0.04	0.21	0.03	0.2	173.2	3.1	86	1719.5	58.7	0.05	3.3	0.3
I841322	1.6	0.33	0.06	0.48	0.08	0.39	0.1	0.3	0.04	0.22	0.04	0.2	263	10.3	85	838.3	2.2	0.3	0.8	0.4
I841323	0.4	0.19	0.02	0.21	0.03	0.21	0.05	0.16	0.01	0.13	0.03	1	344.3	7.9	99	1449.9	56.7	0.2	4.4	0.7
I841324	5.4	0.77	0.25	0.53	0.06	0.31	0.03	0.19	0.02	<0.05	0.02	0.1	4	8.1	47	4.1	1.9	0.2	0.2	0.3
I841325	1.7	0.44	0.16	0.31	0.05	0.25	0.03	0.1	0.02	0.14	<0.01	0.2	32.7	13.6	55	9.0	1.9	0.05	0.7	9.1
I841326	3.1	0.66	0.22	0.58	0.07	0.23	0.05	0.16	0.01	0.08	0.01	0.1	11	20.6	109	2.3	1.4	0.5	0.4	1.9
I841327	1.6	0.36	0.19	0.44	0.07	0.32	0.07	0.16	0.04	0.15	0.03	1.4	2628	639.9	932	23.4	142	2.1	1	43.4
I841328	2.9	0.45	0.18	0.38	0.05	0.32	0.03	0.09	0.01	<0.05	0.02	0.1	8.4	32.1	88	2.0	3.2	0.4	0.6	15.3
I841329	3.2	0.99	0.14	1.03	0.16	0.98	0.2	0.42	0.04	0.44	0.07	0.3	89	>10000.0	>10000	218.1	42.6	110.9	24.8	877.3
I841330	7.2	1.56	1.93	1.45	0.22	1.2	0.27	0.74	0.09	0.5	0.11	0.6	398.9	13.1	15	1.2	0.6	1	0.4	0.2
I841331	4.1	1.15	0.01	1.89	0.45	2.98	0.71	2.12	0.3	1.73	0.25	12.3	168.9	658.1	8004	1.2	4086.8	94.4	6.4	19.2
I841332	8.2	2.55	0.01	2.95	0.61	4.04	0.86	2.56	0.43	2.4	0.38	0.2	37	435.6	3363	0.6	24.9	15.4	0.05	9.8

Sample	Ag	Au	Hg	Tl	Se	Sn
	PPM	PPB	PPM	PPM	PPM	%
	0.1	0.5	0.01	0.1	0.5	0.005
I841302	2.5	3.6	0.005	0.3	0.25	
I841303	0.3	7.8	0.005	0.5	0.25	
I841304	1.6	0.25	0.005	0.6	0.25	
I841305	2.9	5.8	0.005	0.7	0.6	
I841306	0.05	2.2	0.005	0.3	0.25	
I841307	0.05	1.7	0.005	0.3	0.25	
I841308	0.05	0.25	0.005	0.1	0.25	
I841309	0.1	1.9	0.005	0.3	0.5	
I841310	0.2	0.25	0.005	0.5	0.25	
I841311	0.5	1.5	0.005	0.4	3.8	
I841312	0.05	1.4	0.005	0.05	0.25	
I841313	0.05	0.25	0.005	0.5	0.25	
I841314	0.05	0.25	0.005	0.5	0.25	
I841315	2	2	0.02	0.2	0.25	
I841316	0.7	1.3	0.005	0.1	0.25	
I841317	0.2	1	0.005	0.05	0.25	
I841318	0.2	0.7	0.06	0.8	0.25	
I841319	0.05	5.3	0.005	6.3	0.25	
I841320	0.1	1.2	0.005	0.2	0.25	
I841321	0.2	1.6	0.005	0.6	1.2	
I841322	0.3	1.4	0.005	0.1	0.5	
I841323	0.3	1.3	0.005	0.3	1.1	
I841324	0.05	0.25	0.01	0.05	0.25	
I841325	0.2	2	0.005	0.1	0.25	
I841326	0.2	0.9	0.005	0.05	0.25	
I841327	14.4	5.1	0.03	0.2	3	
I841328	0.4	2.1	0.03	0.05	0.25	
I841329	>100.0	19.2	0.06	1.5	9.3	
I841330	0.9	2.3	0.005	0.3	0.25	
I841331	17.5	12.5	0.06	0.3	0.25	
I841332	5.7	3	0.005	0.2	0.25	

Sample	Sampler	Shipment	Certificate	UTME	UTMN	Claims	Type	Description
I841333	MP	2011-01	WH11000778	357473	6676514	Milk	G	QV: Rusty-oran lim wx dom qtz. Lim - not much chlor. Vein 60 cm wide 283 80.
I841334	MP	2011-01	WH11000778	357437	6676486	Milk	G	QV: Qtz-chlor vein wx dk rusty-red-brn. Qtz-chlor-lim
I841335	MP	2011-01	WH11000778	357427	6676476	Milk	G	QV: Qtz-chlor wx rusty brn & lim oran vfxl similar to 34. Vein is 20 cm wide: 300/90
I841336	MP	2011-01	WH11000778	365537	6669971	Do	G	Goss: float, vfxl m to dk gy, qtz w/sulph & lim
I841337	MP	2011-01	WH11000778	365525	6669978	Do	G	QV: mgy, wx rusty red to yel grn, vfxl qtz, lim, tour rosettes
I841338	MP	2011-01	WH11000778	365496	6670001	Do	G	QV: mgy mxl(1-2mmm) wx rusty brn. Qtz with ~10% sulph & lim. Vein 90 / 80 about 10 cm wide
I841339	MP	2011-01	WH11000778	365501	6670033	Do	G	metaVolc: dk gy wx rusty brn into irr pieces. Aphan dk groundmass. ~10% py in places
I841340	MP	2011-01	WH11000778	365501	6670049	Do	G	QV: mgy wx red-brn vfxl qtz, som lim & purple (mang?) stain
I841341	MP	2011-01	WH11000778	365438	6670032	Do	G	QV: gn-blue to gy wx rusty to dk purple-brown. Cxl(2-4mm) qtz-lim-tour
I841342	MP	2011-01	WH11000778	365417	6670032	Do	G	QV or silicified / lim altered granite
I841343	MP	2011-01	WH11000778	365418	6670046	Do	G	Tour-qtz veinlet in granite float. 1-2 cm thick, mostly tour.
I841344	MP	2011-01	WH11000778	365491	6670014	Do	G	QV: White qtz float w/limonite
I841351	KS	2011-01	WH11000778	361118	6663933	Tuna	G	very rusty weathering, medium grey groundmass 80% with white to cream phenocrysts recrystallized quartz with variable feldspar, up to 1mm. Possibly a hornfelsed grit? Very fine grained disseminated py+-aspy+-cpy. Float boulder on granitic knob.
I841352	KS	2011-01	WH11000778	360993	6663408	Tuna	G	Hornfels boulder on granite ridge, rubble crop. Dull orange and tan weathering, dark grey fine grained hornfels. Very tough and siliceous.
I841353	KS	2011-01	WH11000778	360993	6663408	Tuna	G	Boulder next to KS-02. Top of columnar ridge granites. Weakly buff to grey weathering, with clear grey quartz subhedral phenocrysts to 5mm in anhedral to subhedral cream to buff groundmass of muscovite and feldspars, 0.5 to 1mm, 70%. Dark brown to black sub to anhedral crystals to 2mm, < 1%, tourmaline?
I841354	KS	2011-01	WH11000778	360890	6664301	Tuna	G	Planar foliated granite, as KS-03, with biotite up to 2% and tourmaline veins to 3cm wide.
I841355	KS	2011-01	WH11000778	360870	6664300	Tuna	G	As KS-04, coarser grained, tourmaline veins to 5cm, with trace fluorite.
I841356	KS	2011-01	WH11000778	367232	6667931	Con	G	cobble steel magnetite in boulder field of variably rusty metaseds and coarse gr granite: 40% clear grey qtz, 50% cream to tan fspar, and 10% biotite.
I841357	KS	2011-01	WH11000778	367755	6668165	Con	G	Buff and grey wx granite, clear grey qtz phenos 0.5 to 2mm, 30%, variably clay alt fspars 50% an to subhedral, up to 1cm; 10% amphibole + biotite + tourmaline as vnlets; 10% musc less than 1mm. Outcrop in east linear cirque valley, surrounded by bent metaseds, variably rusty.

Sample	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02
I841333	43	8	0.1	5.3	11.7	0.05	3.1	80.5	870	4.2	0.7	3.1	9.1	<8	3.3	1.4	8.4	3.8	5.6	0.91
I841334	13	5	0.1	5.2	29.4	7.4	39.7	123	60	43.8	5.7	79	8.1	<8	6.6	190.3	41.4	13.6	25.9	4.3
I841335	5	18	0.5	4.5	26.1	1.8	34.4	54.4	1337	8	4.6	20.3	11.1	11	7.5	41.2	64.6	20.7	44.3	8.22
I841336	1095	4	7.4	8.3	25.7	3.7	13	199	18	1349.1	0.05	6	3.3	156	3.3	127.8	15.8	7.9	17.7	2.34
I841337	1177	3	1.8	6.9	31.9	3.8	8.3	177.8	17	777.6	1	1.8	0.9	22	1.4	104.7	2.3	6	9.8	1.31
I841338	924	31	7.9	10.4	31.4	2.7	8.7	135.7	71	1177.2	2.7	1.9	1	17	13.3	83.4	1.4	5.6	10.5	1.25
I841339	1962	14	12.4	54.3	27.6	3.1	11.4	427.6	63	862.3	2	5.5	2.6	139	15.7	115.2	16.5	15.8	30.9	3.94
I841340	2357	0.5	0.6	7.7	25.6	3.3	11.2	167.7	79	1139.3	0.2	1.3	3.9	9	1.9	89.3	1.1	3.1	4.9	0.61
I841341	1868	3	2.7	4.7	24.2	2.7	8.5	112.5	36	1247.3	0.05	1	1.4	11	1.6	93.9	2.1	5.5	12.4	1.31
I841342	2201	5	11.7	5.6	24.5	3.5	8.7	223.3	215	854.4	0.05	1	0.7	12	29.6	98.1	0.7	1.1	1.5	0.17
I841343	939	6	1.1	4.4	27.5	2.3	5	85.6	65	793.3	0.6	0.6	0.8	13	5.9	71.1	1.4	2.9	5.4	0.7
I841344	126	2	0.1	4.6	6.9	0.4	1.4	105.6	17	42.8	0.8	0.3	0.1	<8	2.5	9	0.2	1.2	3.1	0.17
I841351	1324	5	21.3	7.7	26	5.8	20.9	256.7	8	90.1	1.7	19.5	3.4	111	4.9	213.4	24.2	44.5	99.6	10.66
I841352	1561	1	34	25.2	34.8	6	19.8	222.4	24	418.1	1.6	25	3.2	161	1.1	186.9	35.2	73.1	153.2	16.2
I841353	152	6	0.8	13.7	24	8.6	56.5	452.4	8	18.3	6.3	54.8	9.3	<8	2.5	208.8	58.7	75.5	160.6	16.75
I841354	126	6	0.7	6.9	24	8.5	70.3	383.6	32	21	6.8	56	12.7	<8	3.3	194.9	74.5	75.6	156.6	15.59
I841355	92	7	0.8	6.4	28.1	8	69.7	292.2	18	21.6	6.5	63.6	18.1	<8	3.2	180	103.9	67.9	149.3	15.05
I841356	116	43	5.7	147.5	9.4	0.6	1.6	121	2700	8.3	0.2	1.4	1.1	41	127.3	25.4	8.1	11.4	17.6	2.14
I841357	67	4	1.1	6.6	31.9	7.2	57.5	422.9	66	7	6.2	59.2	23.1	<8	6.9	185.4	43.9	63.7	157.8	12.8

Sample	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb	Bi
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1	0.1
I841333	2.8	0.88	0.01	0.97	0.22	1.55	0.32	0.98	0.17	0.95	0.12	1.1	41.4	162.4	483	0.8	26.7	1.4	0.4	47.7
I841334	13.7	3.96	0.06	4.92	1.03	6.46	1.46	4.73	0.71	4.45	0.71	0.2	10.6	53.1	556	1.0	12.4	1.2	0.05	2.4
I841335	31.7	10.66	0.11	10.91	1.99	11.7	2.4	6.89	1.03	5.92	0.92	0.2	36	427.8	556	1.6	20.7	1.6	0.5	3.7
I841336	9.4	2.43	0.7	2.66	0.48	2.61	0.57	1.84	0.29	1.62	0.33	5.6	66.4	44.3	87	1.4	118.4	0.3	3	2.8
I841337	4.8	0.84	0.23	0.62	0.08	0.46	0.08	0.16	0.02	0.16	0.02	0.3	11	9.7	51	3.2	156.5	0.2	0.6	2.8
I841338	4.2	0.8	0.16	0.59	0.07	0.28	0.02	0.15	0.02	0.11	0.02	0.2	254.7	17.8	27	2.9	172.6	0.05	1.4	80.9
I841339	13.6	3.15	0.74	3.11	0.51	3.08	0.54	1.65	0.26	1.77	0.25	2.3	123.4	6.9	104	0.7	685.1	0.2	0.5	23.3
I841340	2.1	0.41	0.16	0.34	0.05	0.18	0.05	0.14	0.02	<0.05	<0.01	0.3	8.2	15.3	33	1.3	9.5	0.1	0.3	2.1
I841341	4.8	1.04	0.29	0.91	0.13	0.55	0.11	0.24	0.03	0.22	0.03	0.1	30.1	31.2	179	3.0	3.1	2.4	0.4	3.1
I841342	0.5	0.12	0.06	0.17	0.04	0.16	0.02	0.12	<0.01	0.08	0.01	0.2	776.5	261.7	141	2.1	42.3	0.05	0.9	9.8
I841343	3.5	0.56	0.2	0.47	0.06	0.36	0.03	0.13	0.02	0.07	0.02	0.1	9.7	30.4	62	1.3	3	0.4	1	37.9
I841344	0.15	<0.05	0.04	0.07	0.01	0.09	0.01	<0.03	<0.01	<0.05	<0.01	0.2	5.4	5.7	16	0.9	4.4	0.1	0.05	2.3
I841351	44.2	6.9	1.13	5.48	0.85	5.03	0.91	2.5	0.43	2.76	0.44	1	48.7	49.2	20	35.6	4.7	0.2	0.7	0.3
I841352	65.8	10.25	2.06	7.89	1.12	6.53	1.3	3.66	0.55	3.46	0.55	0.2	47.1	27.7	149	56.0	0.25	0.2	0.05	0.05
I841353	62.4	11.24	0.18	9.79	1.72	10.19	2.08	6.77	1.05	6.8	0.91	1.5	0.9	13.8	32	0.9	24.3	0.1	0.6	0.05
I841354	55.8	9.46	0.12	8.43	1.59	9.89	2.24	7.25	1.23	7.52	1.07	1.7	1.3	21.3	24	1.2	31.2	0.05	0.7	0.7
I841355	54.7	10.28	0.14	9.7	1.87	12.66	2.76	8.92	1.5	9.41	1.38	1.4	1	29.3	29	1.5	24.5	0.2	1	5
I841356	9	1.54	0.49	1.32	0.2	1.07	0.25	0.62	0.1	0.66	0.08	0.3	430.5	4.7	471	5.5	19.8	2	7.1	3.5
I841357	43.6	7.22	0.07	6.4	1.17	7.7	1.58	4.9	0.85	5.26	0.73	1.2	17.4	11.2	7	0.6	198.7	0.1	0.8	7.5

Sample	Ag	Au	Hg	Tl	Se	Sn
	PPM	PPB	PPM	PPM	PPM	%
	0.1	0.5	0.01	0.1	0.5	0.005
I841333	29.9	5.1	0.04	0.1	2.2	
I841334	1.6	5.2	0.02	0.3	0.25	
I841335	1.8	5.3	0.02	0.2	0.25	
I841336	0.3	45.9	0.02	0.3	1	
I841337	0.1	15.9	0.005	0.3	0.25	
I841338	1.3	9.3	0.02	0.4	8.2	
I841339	0.3	8.1	0.005	3.8	0.8	
I841340	0.2	23.3	0.005	0.3	0.25	
I841341	0.2	1.3	0.02	0.2	0.25	
I841342	56.1	3.7	0.005	0.3	1.1	
I841343	0.7	2.4	0.005	0.3	0.5	
I841344	0.4	0.6	0.005	0.1	0.25	
I841351	1.3	31.6	0.02	0.2	4.4	
I841352	0.05	0.25	0.02	0.8	0.25	
I841353	0.05	0.25	0.005	0.3	0.25	
I841354	0.05	0.25	0.005	0.1	0.9	
I841355	0.2	0.25	0.005	0.5	0.8	
I841356	1.7	0.25	0.005	0.9	0.9	
I841357	0.4	0.25	0.03	0.2	0.25	

Sample	Sampler	Shipment	Certificate	UTME	UTMN	Claims	Type	Description
I841358	KS	2011-01	WH11000778	373875	6661048	Laughter	C	Discontinuous chip sample over 3m. Reported tourmalized veins in granite appear more like hairline vein stockwork and flooding. Brown to dull orange wx, weak clay alt, tan to pale orange granite, with broken, clear to clear grey, qtz xls to 4mm 30%, fspars partially alt. 40%. Black minerals tourmaline? +- amphibole 30%.
I841359	KS	2011-01	WH11000778	373893	6661046	Laughter	C	Discontinous chip sample over 2m. As above, finer gr granite, more alt, vn bx more noticable.
I841360	KS	2011-01	WH11000778	373884	6661044	Laughter	C	Chip sample over 0.4m. Yellow and tan wx, speckled grey fine grained intermed dike? Very pale green translucent to powdery mineral 20% up to 1mm. Clear grey to opaque white qtz 30%, fspars 30%, indistinct black minerals 20%. Between fault/alteration contacts.
I841361	KS	2011-01	WH11000778	369105	6665939	Beans NE	G	Boulder talus field below cliffs. Light grey limestone skarn cut by random black vnlets. Boulders in immed area: med gr marble, black coarse gr gabbro, granite, rusty phyllite to schist.
I841362	KS	2011-01	WH11000778	369106	6665920	Beans NE	G	Boulder talus as above. Buff to light brown wx, weakly altered massive med gr equigranular granite, with 40% clear and grey and tan qtz xls, buff and tan fspars 60%. No discernable mafics. Cut by tourmaline? + qtz microvnlets.
I841363	KS	2011-01	WH11000778	369106	6665920	Beans NE	G	Boulder talus as above. Rusty wx, dark blue grey to black to brown purple med gr hornfels, with very fine gr dissem sulph?
I841364	KS	2011-01	WH11000778	368947	6665922	Beans NE	G	Small (10m x 3m) indistinct kill zone in alpine meadow. Rusty boulders dug out of marmot holes are usu fine gr, green grey to pale blue grey hornfels with clots and dissem py + aspy + tr cpy. Other boulders are gabbro, marble, and schist.
I841365	KS	2011-01	WH11000778	368759	6665834	Beans NE	G	Boulder talus at base of cliffs. Blue black, dark rust, and dark green wx, moderately foliated garnet hornfels. Garnet patches 10%, diopside 5%, and dark honey sphal 1%. Other boulders of true marble skarn, coarse gr gabbro, variably rusty hornfels, and very wx coarse gr ultramafic
I841366	KS	2011-01	WH11000778	364792	6669913	Do	G	Very thin, pale orange green grey and tan wx rind, buff to very pale green and grey, fine gr granite, textures indistinct. Few mafic minerals. Clear and clear grey qtz xls to 2mm 30%, remainder fspars. Black mineral (cassit?) <1%, clots and dissem. Cream and pale grey qtz vns <1cm
I841367	KS	2011-01	WH11000778	363877	6669923	Do	G	Boulder talus. As above granite, some remaining mafic phenos. Tr dissem pale py or aspy. Tr cassit grains?
I841368	KS	2011-01	WH11000778	365410	6670060	Do	G	Float below SIN blast trench. Muddy brownish green wx, prominent resistant wx phenos up to 1cm, appears like amphibole xls, locally zoned. Strongly chl - muddy green brown very fine gr matrix 70% with eahedral altered phenos as above. Cut by subparallel microcrystalline tourmaline vnlets.
I841369	KS	2011-01	WH11000778	365204	6670019	Do	G	Rubble crop. Metavolcanic? Strong patchy rust, with stringers galena, pods of fluorite, and vein vugs lined with clear thin columnar xls (not qtz). Possible aspy 1%
I841370	KS	2011-01	WH11000778	365159	6670012	Do	G	Rubble. Very rusty granodiorite with tourmaline and tr aspy. Altered mafices 30%, altered fspars 50%, clear qtz 20%.
I841371	KS	2011-01	WH11000778	365056	6669968	Do	G	Talus. Qtz vein cobble in metavolc? Very rusty, tr aspy?
I841372	KS	2011-01	WH11000778	355165	6678446	Do	G	Block talus (felsenmeer) top of ridge, SW side. Qtz tourmaline +- cassiterite ven cutting granite porphyry (qtz porphs to 4mm 20% in tan to dull orange fine gr matrix of qtz+fspars+-biotite)
I841373	KS	2011-01	WH11000778	355165	6678446	Goods	G	Same location as above. Vuggy qtz vein; fine to med gr, clear white or grey with coarser cockscomb in centre of vein. Approx 4cm wide with rusty selvages.
I841374	KS	2011-01	WH11000778	355126	6678456	Goods	C	SW side of ridge outcrop. Chip sample across 0.4m; qtz vein swarm in granite porph with few vugs lined with qtz crystals, micro tourmaline veinlets?
I841375	KS	2011-01	WH11000778	355133	6678442	Goods	G	Rubble. Weakly vuggy qtz vn as above.
I841376	KS	2011-01	WH11000778	355145	6678465	Goods	G	Rubble, top of ridge. Weakly vuggy qtz vn as above.

Sample	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02
I841358	63	12	0.1	8.9	24.4	6.9	79.9	523.4	12	9.4	10	68	18.8	<8	6.5	160.7	71.2	63	128.6	12.36
I841359	41	3	0.1	11.4	23.9	9.7	83.5	501.3	12	9.6	9.3	83.1	26.2	<8	5.9	183.9	102.1	51.2	102.4	10.48
I841360	25	10	0.2	6.5	31.3	7.9	78.5	220.5	17	5.7	10.5	66.2	24.8	<8	5.1	137.3	155.4	116	225.5	25.38
I841361	825	5	23.8	2.6	9.5	1.1	3.7	51.6	77	43.7	0.3	1.7	0.5	404	1.7	35.2	9.1	5.4	15	1.61
I841362	411	12	0.9	7.1	34.6	9.2	134.7	671.9	25	28	27.8	45.4	18.7	<8	3.7	123.6	22.2	39.4	89.8	7.31
I841363	2772	0.5	46.3	20.1	16.8	5.3	38.4	151.5	24	308.6	2.4	4.5	1.5	227	10	196.8	23.3	31.8	68.2	8.48
I841364	182	0.5	34.6	0.9	6.1	1.2	2.7	7.9	19	64.7	0.2	2.5	6.9	58	46.5	43.4	16.5	11.6	22.3	3.26
I841365	35	6	27.9	27	3.1	0.2	0.4	10.6	104	38.2	0.05	0.3	1.6	19	1.7	5.8	5.1	19.6	7.8	1.5
I841366	1989	3	1.8	1.5	22.8	4.3	12.5	90.6	2	1514.2	0.4	2.7	1.2	24	0.25	125.3	2	8.4	16.2	1.69
I841367	1872	2	2	1.8	22	3	9.6	80.1	4	1232.4	0.3	1.5	0.8	21	0.25	98.1	1.5	5.4	10.6	1.19
I841368	818	6	39.1	66.8	14.8	1	2.9	411.4	72	607.6	0.1	1.8	0.7	238	1.2	39.9	10.4	5.9	12.3	1.62
I841369	17	3	104.8	4.5	69.4	1.2	5.4	25	>10000	412.1	0.2	2.5	4.1	265	49	37.6	10.6	6.3	15.1	1.94
I841370	473	5	2	5.3	22.5	2.9	7.6	88.6	1579	720.5	0.3	1	0.6	18	5.4	90	1	1.8	3.8	0.47
I841371	6	0.5	4	1.5	12.8	0.5	1.4	6.9	960	19.5	0.05	0.3	1.5	39	13.6	17.6	1.7	5.5	12.6	1.45
I841372	161	4	0.1	6.1	23.7	8.2	65.4	339.4	31	15.2	5.9	50.3	9.5	<8	3.8	215.9	28.8	46.4	92.6	9.52
I841373	11	3	0.1	1.2	7.5	2.6	19.6	32.9	>10000	5.7	2	17.6	3.8	<8	3.5	65.6	12.5	15.4	32.1	3.05
I841374	20	31	0.1	1.2	17.9	6.7	38	32.5	37	22.6	4.5	45.9	11.8	<8	1.8	161.5	27.6	8	23.1	1.46
I841375	43	10	0.1	3.1	22.9	7.2	67.7	149.6	>10000	22.9	7.3	51.8	14.7	<8	44	179.7	34.1	18.3	48.6	3.57
I841376	63	3	0.4	7.9	24	7.3	67.1	304.5	50	10	7.7	56.8	11.9	<8	1.6	186.2	23.8	34.7	88.8	6.51

Sample	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb	Bi
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1	0.1
I841358	43.3	7.87	0.07	6.96	1.47	9.81	2.17	7.04	1.27	8.61	1.2	2.2	1.5	16.2	29	0.9	129	0.1	0.6	1.6
I841359	36	7.73	0.04	7.75	1.72	13.06	2.86	9.98	1.71	11.53	1.58	1.4	2.6	47.5	54	0.4	75.9	0.3	1.4	0.8
I841360	86.8	17.28	0.05	16.17	3.27	23.16	4.88	16.36	2.75	17.84	2.47	1.7	1.3	9	13	0.7	27.4	0.05	0.2	1.6
I841361	6.1	1.65	0.37	1.77	0.31	1.78	0.37	0.99	0.16	1.1	0.15	0.2	25.8	7.7	45	17.8	48.5	0.1	0.4	4.1
I841362	20.1	3.57	0.14	2.75	0.69	5.14	0.98	3.92	0.8	6.48	0.9	0.4	1.9	18.3	35	2.8	8.5	0.1	0.7	0.2
I841363	38.2	7.16	2.1	6.66	0.96	5.24	0.91	2.33	0.31	1.74	0.25	0.6	122.7	13.7	88	248.8	1.3	0.2	0.3	1
I841364	12.8	2.48	0.33	2.4	0.39	2.36	0.51	1.5	0.23	1.54	0.23	4	669.3	3.5	40	42.6	1	0.4	0.4	3.4
I841365	7	0.83	0.06	0.64	0.09	0.42	0.1	0.24	0.04	0.3	0.06	0.1	10.8	77.2	>10000	4.2	1.1	179.7	1.2	17.8
I841366	6.9	1.2	0.28	0.74	0.1	0.46	0.04	0.19	0.03	0.1	0.02	0.1	14.3	24.1	48	4.1	2.9	0.2	0.2	0.3
I841367	5.5	0.68	0.22	0.65	0.07	0.36	0.05	0.16	0.02	0.09	0.02	0.1	3.6	19	89	4.3	2.2	0.6	0.3	0.2
I841368	8.7	1.73	0.48	1.9	0.32	1.96	0.37	1.05	0.15	1.03	0.16	0.4	57.6	1.9	103	233.1	239	0.05	2.3	27
I841369	9.1	2.12	0.26	2.35	0.42	2.34	0.51	1.43	0.17	1.26	0.16	1.7	1030.8	>10000.0	4137	595.1	1214.9	11.1	10.3	542.5
I841370	2.1	0.41	0.08	0.34	0.05	0.21	0.06	0.15	0.03	0.15	0.02	0.2	200.4	9.3	47	3.3	356.3	0.05	1.7	6.3
I841371	5.1	0.77	0.08	0.5	0.08	0.4	0.07	0.23	0.03	0.16	0.03	1.8	476.3	701.8	1219	33.7	44	1.5	1	25.8
I841372	33.2	5.31	0.1	4.03	0.74	4.83	1.04	3.34	0.55	3.91	0.52	1.1	6.2	9.9	25	1.0	4.4	0.05	0.2	1.4
I841373	10	1.62	0.05	1.31	0.31	2.36	0.49	1.79	0.31	1.84	0.27	0.2	7.9	26	64	1.2	2.2	0.05	0.2	1.1
I841374	4.5	1.19	0.04	1.96	0.55	4.37	1.07	3.55	0.61	3.97	0.57	1.6	2.9	33.4	37	0.7	1	0.05	0.1	0.8
I841375	11.1	2.33	0.04	2.66	0.66	5.12	1.24	4.18	0.65	4.63	0.66	2.1	2	8.3	17	0.6	5	0.05	0.2	0.2
I841376	21.9	3.64	0.06	2.93	0.67	4.4	1	3.23	0.57	3.9	0.55	1.3	15.2	65.8	129	1.0	1.3	0.2	0.1	0.8

Sample	Ag	Au	Hg	Tl	Se	Sn
	PPM	PPB	PPM	PPM	PPM	%
	0.1	0.5	0.01	0.1	0.5	0.005
I841358	0.05	1.5	0.005	0.3	0.25	
I841359	0.3	2.1	0.005	0.4	0.25	
I841360	0.3	0.25	0.005	0.2	0.25	
I841361	0.05	0.6	0.005	0.1	0.25	
I841362	0.05	0.25	0.005	0.2	0.25	
I841363	0.3	3.6	0.005	2.2	0.7	
I841364	1.1	5	0.005	0.05	12.8	
I841365	7	4.1	0.02	0.2	6	
I841366	0.2	3.5	0.005	0.05	0.25	
I841367	0.1	0.9	0.005	0.05	0.25	
I841368	0.2	3.4	0.005	5.7	0.25	
I841369	>100.0	13.4	0.28	0.3	7	2.459
I841370	0.8	4.7	0.01	1.8	1.7	
I841371	17.8	0.5	0.02	0.05	0.25	
I841372	0.2	0.25	0.005	0.2	0.25	
I841373	0.4	0.9	0.005	0.05	0.25	1.069
I841374	0.3	1.1	0.01	0.05	0.25	
I841375	0.1	52.5	0.02	0.1	0.25	1.55
I841376	0.1	30.9	0.005	0.2	0.8	

Sample	Sampler	Shipment	Certificate	UTME	UTMN	Claims	Type	Description
I841377	KS	2011-01	WH11000778	364655	6669918	Do	G	Rubble, top of ridge in notch. Sparse, rusty metaseds/hornfels, very angular breaking dark grey and v fine gr on few fresh surf; mostly rust. On granite outcrops.
I841378	KS	2011-01	WH11000778	354709	6669906	Do	G	Top of float train in block talus slope of granite. Muddy brownish green wx, prominent resistant wx phenos up to 1cm, appears like amphibole xls, locally zoned. Strongly chl - muddy green brown very fine gr matrix 70% with eahedral altered phenos as above.
I841379	KS	2011-01	WH11000778	354709	6669906	Do	G	Qtz vein cobble next to 378. Very vuggy, limonite coated qtz to 2cm.
I841380	KS	2011-01	WH11000778	364870	6669914	Do	G	Block talus. Large boulders rusty hornfels, very fin gr brown grey with greenish bleached vnlets/fractures. Dissem and microfracture coatings py up to 15%, tr aspy?.
I841401	TK	2011-01	WH11000778	357636	6675195	Fired	G	Large quartz and tourmaline (?) crystals (4mm- 2 cm) within a granitic rock (biotite, k-feld, quartz), some seritization
I841402	TK	2011-01	WH11000778	357634	6675196	Fired	G	Typical granitic rock with thin (<1mm) sheeted veins of unknown green mineral (actinolite?) with some possible sulphides
I841403	TK	2011-01	WH11000778	357634	6675196	Fired	G	Coarse grained rock with layer of rusty alteration, porphyritic (up to 4mm clasts of quartz), intermittent thin (<1mm) greenish veins
I841404	TK	2011-01	WH11000778	357629	6675304	Fired	G	Quartz veining within granitic rock
I841405	TK	2011-01	WH11000778	357462	6674547	Fired	G	Quartz veining within granitic rock, some dark rust layers, minor green alteration within the quartz
I841406	TK	2011-01	WH11000778	357463	6674552	Fired	G	Quartz veining within granitic rock, some dark rust layers, some dark crystals of unknown mineral, lime-green mineral present
I841407	TK	2011-01	WH11000778	372279	6662689	Laughter	G	Granitic rock, coarse grained (1-9mm) euhedral to subhedral, some sericite (especially near veins), white-grey to rusty weathered, black-grey-white-rusty fresh. 80% quartz, 5% biotite, 15% feldspar. Sheeted vein of tourmaline-quartz cross-cutting rock (2x1.5m vein, up to 2mm euhedral to subhedral crystals, 5mm thick, no visible economic minerals, more rusty around veins)
I841408	TK	2011-01	WH11000778	372220	6662619	Laughter	G	Similar to TK06, granitic rock with dark vein in boulder, 2mm thick vein, rock grain size smaller (1-4mm)
I841409	TK	2011-01	WH11000778	372243	6662615	Laughter	G	Granitic rock, coarse grained (1-7mm), in debris field, some seitization (rusty grey white weathered and fresh, euhedral to subhedral). 2cm thick quartz vein, sheeted, seritized and rusty alteration present. No exonomic minerals seen. 50% feldspar (pinkish), 45% quartz (white to dark), 5% sericite (white).
I841410	TK	2011-01	WH11000778	372243	6662615	Laughter	G	highly altered rock, green waxy alteration, quartz veining, possible arsenopyrite, rusty, no source rock found nearby
I841411	TK	2011-01	WH11000778	372268	6662646	Laughter	G	Granitic rock close to LAUGH2, more brittle than surrounding rock, more sericitic bed within massive granitic unit, 10cm thick, coarse grained (1-10mm) with sericitic matrix, euhedral, some possible quartz veining, unknown green mineral present (<1%), 50% quartz, 20% sericite, 30% feldspar.
I841412	TK	2011-01	WH11000778	372334	6662756	Laughter	G	Granitic rock, coarse grained (1-7mm) with some seritic matrix, euhedral to subhedral, white grey to rusty weathered, less rusty fresh. Contains large (up to 10cm round) nodules composed of quartz and unknown dark mineral (tourmaline? hard, semi-metallic). Nodules composed of 60% quartz (white to grey, rusty), 40% dark ? (dark grey to black). Granite 40% quartz, 50%
I841413	TK	2011-01	WH11000778	367649	6665471	Beans NW	G	Dark mafic rock intruded by granitic unit (coarse grained (2-6mm), white grey rusty fresh and weathered, some dark dull mineral present, 90% quartz, some sericite, subhedral). Mafic unit dull med-grey rusty weathered, med-dark grey fresh, anhedral, med-grain (<2mm). Sharp contact between units, granite looks to have flowed in places, no visible exonomic minerals, 100+m in area.
I841414	TK	2011-01	WH11000778	367566	6665497	Beans NW	G	Rusty unit, 30m thick, contains magnetic rock (rusty red to grey weathered, deep rusty brown, brown-yellow fresh, contains some unknown metallic yellow mineral, possible needle-like crystals (1mm size). v. fine grained, aphenitic

Sample	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02
I841377	445	3	36.1	17.9	10.6	1.1	2.8	86.4	56	859.2	0.2	1	0.6	217	0.25	27.5	10.8	4.5	9.4	1.38
I841378	1332	2	27.4	10.8	14.2	1.6	4.8	133.8	39	840.1	0.3	1.4	0.7	178	0.25	53.6	8.1	4.8	10	1.29
I841379	54	4	5.1	4	9.8	0.9	2.5	4.4	253	55	0.05	0.6	0.7	10	0.25	14.1	0.8	5.2	11.8	1.03
I841380	525	1	15.1	7.2	16.5	3	9.3	98.9	5	433	0.6	5.1	1.6	172	0.25	105.2	17.9	16.3	32.4	4.02
I841401	14	8	1.6	2.2	35.4	7.8	65.7	130.7	19	9.1	17.9	62.5	20.6	<8	6.7	177.1	152.9	110.6	245.6	27.98
I841402	45	6	0.5	10.8	26.8	8.5	70.2	586	48	6.7	7.5	78.2	25.6	<8	3.3	186.6	120.7	87.4	176.4	19.6
I841403	49	5	0.1	13.1	25.1	8.6	81.4	531.2	44	6.7	8.9	73	13.2	9	3	209.2	69.5	96.9	180.3	19.2
I841404	106	7	0.3	17.9	23	7.6	52.8	454	57	25.9	5.4	66.2	18.9	<8	4.7	157.1	51.8	43.9	72.1	8.93
I841405	5	0.5	0.4	1	3.4	0.5	3.4	57.5	6	1.4	0.4	3.6	2.3	<8	0.25	10.6	4.8	2.4	3.8	0.43
I841406	44	1	0.5	5.7	15.9	3.1	25.9	326.3	21	4.5	2.8	29.5	9.7	8	3.4	70.9	34.3	25.4	54.1	5.86
I841407	51	10	0.4	8.4	26.8	8.5	74.6	465.9	12	5.2	8.8	65	18.7	<8	172.4	193.4	61.4	73.9	144.4	15.26
I841408	21	5	0.1	13.8	35.9	9.8	90.9	580.8	18	2.8	9.9	93.2	17	<8	6.7	222.3	59.8	49.5	88	9.1
I841409	76	3	0.1	15.2	47.1	9	96	614.8	37	8.2	11.1	61.8	35.4	<8	14.2	207.2	22.8	88	149.3	15.04
I841410	32	3	0.6	0.9	14.7	4.5	59.7	13.5	12	10.7	6.3	67.6	18	17	16.8	105.1	28.7	46.4	60.5	4.87
I841411	70	30	0.3	19.4	27.5	9.9	74.3	529.8	14	4.9	7.6	81	44.8	8	40	210.1	92.8	73.8	138.2	14.83
I841412	31	10	0.4	4.3	36.4	7.2	76.9	284.6	74	4.6	14	64.9	11.9	<8	5.4	175.7	71.3	69	136.6	14.81
I841413	277	7	37.3	12.5	15.9	7.5	30.3	164.8	9	79.6	2.5	29.7	7.2	178	6.9	232.8	39.7	67.5	132.5	15.14
I841414	71	6	61	8.7	6	0.8	3.7	66.7	86	32.9	0.2	1.5	0.3	278	4.7	26.4	11.4	9.4	20.9	2.46

Sample	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb	Bi
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1	0.1
I841377	6.1	1.61	0.5	1.79	0.33	2.07	0.42	1.15	0.17	1.01	0.15	0.5	159.2	7.2	150	66.5	121.9	0.9	0.8	1.8
I841378	6.1	1.32	0.46	1.44	0.24	1.54	0.3	0.79	0.14	0.79	0.12	0.3	24.7	8.2	147	161.0	18	0.6	0.05	0.7
I841379	3.7	0.42	0.24	0.29	0.03	0.19	0.02	0.07	<0.01	<0.05	<0.01	0.2	27.2	91.8	261	6.6	2	1.4	0.3	16.9
I841380	16.9	3.29	0.88	3.17	0.54	3.07	0.7	2.02	0.27	1.73	0.27	2.5	23.6	11.4	52	2.8	19	0.2	0.4	4.1
I841401	98.9	22.26	0.07	21.37	4.16	26.74	5.39	16.33	2.48	17.2	2.24	4.2	4.9	8.4	18	1.0	37.4	0.1	0.3	7.4
I841402	68.8	15.77	0.07	15.61	2.98	19.29	4.06	12.14	1.89	12.48	1.59	3.5	27.9	21.3	57	0.9	311.8	0.1	0.4	1.4
I841403	62.6	12.13	0.1	11.2	1.95	12.15	2.4	7.19	1.08	6.78	0.91	0.3	44.3	7.7	34	0.7	151.8	0.3	0.4	2
I841404	29.8	5.67	0.03	5.3	1.07	7.34	1.53	4.99	0.83	5.47	0.73	3.4	47.3	32.7	166	0.5	2.2	0.05	0.05	7.7
I841405	1.6	0.43	0.01	0.47	0.11	0.56	0.17	0.44	0.08	0.53	0.07	2.6	1.1	2.6	3	1.5	4.8	0.05	0.2	0.3
I841406	21.7	4.16	0.05	4.1	0.81	5.39	1.12	3.42	0.55	3.51	0.48	4.6	15.1	12.5	8	0.7	3.8	0.05	0.05	1
I841407	51.3	10.43	0.06	9.03	1.71	10.87	2.21	6.69	1.07	7.14	0.94	2.6	4.8	26	13	1.6	1574.5	0.1	3.6	16.6
I841408	30.4	5.85	0.03	6.16	1.22	8.3	1.74	5.51	0.92	5.95	0.79	2.1	16.6	28	34	0.7	415	0.05	0.9	4.1
I841409	46.7	8.27	0.05	5.42	0.86	5.04	0.89	2.79	0.47	3.42	0.42	2	37.8	26	14	1.9	501.4	0.3	1.4	12.1
I841410	12.8	2.88	0.02	3.12	0.73	5.3	1.06	3.47	0.59	3.68	0.52	0.9	616	90.2	20	1.3	>10000.0	0.3	38.5	174.6
I841411	49.5	10.46	0.04	10.66	2.19	15.16	3.01	8.98	1.46	9.23	1.18	0.4	7.5	6.4	23	1.2	369.4	0.05	0.6	11.3
I841412	55.2	9.81	0.05	9.14	1.78	11.71	2.36	7.18	1.22	7.76	1.08	1.4	6.2	7	15	1.1	238.6	0.05	0.7	3
I841413	56.4	9.8	0.5	8.18	1.26	7.47	1.46	4.22	0.67	3.84	0.63	0.8	169.3	4.1	77	79.7	33.9	0.3	0.2	0.7
I841414	9.4	2.25	0.48	2.4	0.41	2.4	0.45	1.23	0.18	1.27	0.16	2.2	184.5	3.5	121	99.3	102.2	0.6	1.2	2.1

Sample	Ag	Au	Hg	Tl	Se	Sn
	PPM	PPB	PPM	PPM	PPM	%
	0.1	0.5	0.01	0.1	0.5	0.005
I841377	0.3	14.4	0.005	1.3	0.9	
I841378	0.2	18.7	0.005	1.5	0.25	
I841379	2.6	10.9	0.01	0.2	0.25	
I841380	0.2	14.3	0.005	1.2	0.25	
I841401	0.05	0.25	0.02	0.1	1.3	
I841402	0.2	1.1	0.005	0.5	1	
I841403	0.3	0.25	0.005	0.5	0.25	
I841404	3.7	0.25	0.01	0.8	0.6	
I841405	0.05	0.25	0.005	0.05	0.25	
I841406	0.2	0.25	0.005	0.2	0.25	
I841407	0.6	0.25	0.005	0.2	0.25	
I841408	0.2	0.25	0.005	0.4	1.8	
I841409	1	0.25	0.01	0.5	0.6	
I841410	13.5	4.2	0.02	0.3	17.4	
I841411	0.1	0.25	0.005	0.3	0.25	
I841412	0.1	0.25	0.01	0.05	0.7	
I841413	0.2	2.2	0.01	1	1	
I841414	0.2	3.5	0.005	0.5	1.7	

Sample	Sampler	Shipment	Certificate	UTME	UTMN	Claims	Type	Description
I841415	TK	2011-01	WH11000778	367277	6665539	Beans NW	G	Large vein of dark magnetite? in granitic unit, 60cm thick. Granitic unit typical biotite-quartz-feldspar, coarse grained (1-8mm), subhedral, white grey-rusty fresh and weathered. Large rusty alteration zone (30-50cm) around unit. Margnetite dark grey to black, covered in rust alteration, aphenitic. Some green mineral/alteration at contact between granitic and magnetite. No
I841416	TK	2011-01	WH11000778	367186	6665519	Beans NW	G	Sample of granitic rock from BEANS3 location. 5% biotite, 55% feldspar, 35% quartz. Seriticized. Coarsge grained (1-7mm), subhedral. Some darker green-dark grey minerals in nodule form found (subhedral ~1mm grains mixed with quartz).
I841417	TK	2011-01	WH11000778	366967	6665425	Beans NW	G	Quartz-tourmaline veining within granitic rock, may be hornblende. Vein is apheritic. Only a few such veins observed in area.
I841418	TK	2011-01	WH11000778	365445	6670119	Do	G	Marble with quartz (40%), sericite (5%), and flourite? (5%). Found in debris field. Marble crystals subhedral (50% calcite). Light grey to dirty white weathered, green-purple, dull orange-white-grey fresh.
I841419	TK	2011-01	WH11000778	365460	6670132	Do	G	dolomitic unit, stockwork veined with dark and quartz veining. Dark grey-green to grey-white fresh, dull white, pale orange, grey weathered. Microcrystalline. Slickenslide present 093-70 strike/dip. No economic minerals seen.
I841420	TK	2011-01	WH11000778	365458	6670146	Do	G	dark rusty grey weathered and fresh, apheritic unit within lighter quartz-based unit. Quartz veining 1-15mm thick. Veins have no particular orientation, and cross-cut eahc other.
I841421	TK	2011-01	WH11000778	365327	6670033	Do	G	Altered rock, from debris field, similar to Sn showing discovered by Mike. Pale yellow-grey rusty weathered, deep rusty, grey-green-yellow fresh. Vuggy veins present, filled with quartz and other minerals. Pyrite, galena, and possibly sphalerite minerals present. XRF indicates low Sn. Some yellow-orange powdery alteration?
I841422	TK	2011-01	WH11000778	365473	6670033	Do	G	dark mafic intruding into carbonate, producing malachite and azurite immediately surrounding.
I841423	TK	2011-01	WH11000778	355237	6678443	Goods	G	Greissen unit just below meta-seds. Broken, unknown thickness and length due to highly eroded environment. Rusty grey-white weathered, more grey-white fresh. 45% quartz, 45% sericite, 10% feldspar. Also contains very minor fluorite. Quartz veining 2-6mm thick, vuggy in places, some rust and fluorite in vuggs. Subhedral quartz and feldspar clasts 1-10mm thick in sericite matrix.
I841424	TK	2011-01	WH11000778	355212	6678471	Goods	G	mafic intruding into granitic rock. Granite is 80% quartz, 15% sericite, 5% rust, chlorite. Grey-orange rusty weathered, grey-white with rust closer to intrusion fresh. med-coarse grained (1-3mm) subhedral crystalline. Mafic intrusive is dark grey rusty, apheritic. No economical minerals observed
I841425	TK	2011-01	WH11000778	355297	6678401	Goods	G	Large quartz vein in metased. Dirty rusty grey brown weathered, grey white rusty fresh. Found in debris field. Vein vuggy, coarse grained, surrounded by darker fine grained grey mineral, vein is 2-4cm thick.
I841426	TK	2011-01	WH11000778	355070	6679633	Goods	G	Quartz vein in granitic unit. Granite rusty brown-grey weathered, pink-orange-white-grey fresh. 1-4mm grains of quartz subhedral in v. fine sericite and feldspar. Quartz vein coarse (up to 9mm) euhedral to subhedral, white to rusty. 60% quartz, 20% sericite, 20% feldspar.

Sample	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02
I841415	1184	35	1.4	12.4	17.3	8.4	87	637.7	725	175.6	9.5	64.3	36.7	20	33.9	193.7	127.2	95.9	200.9	23.99
I841416	63	6	0.7	8.7	28.3	8	65.9	362.7	97	8.5	7.9	49.4	9.3	<8	5.1	190.6	71.5	77.9	159.3	17.17
I841417	83	6	0.3	11.7	27.1	8.2	59.4	535.6	807	7.5	6.7	57.2	14.3	<8	13.1	188.9	61.5	82.5	158.4	16.47
I841418	44	2	0.1	4.2	3	0.2	0.6	73.1	4	1366.2	0.05	0.3	0.05	<8	0.25	3.6	6.2	9.2	16	1.78
I841419	2045	4	11.3	13	21.8	2.7	8.5	256.3	145	1404	0.4	1.7	1.1	98	2.3	83	4.8	7.2	15.9	1.91
I841420	1376	0.5	2.4	3.8	8.3	1.4	2.8	76.4	6	556.1	0.2	0.6	0.4	14	0.6	37.1	2.1	3.5	7.1	0.89
I841421	12	0.5	53.3	9.3	49.9	1	3.6	23.1	6829	130.5	0.2	0.7	1	103	60.1	25.4	4.1	1.4	3	0.41
I841422	1908	6	11.6	6.1	23.4	2.9	7.8	177.3	105	1059.7	0.3	1.2	3.4	15	3.8	99.3	4.1	4.5	12.6	1.42
I841423	36	8	0.5	1.8	18	7.9	82.4	63.8	94	25.7	6.2	22.9	5.3	<8	3.8	186.7	38	17.8	31.1	3.66
I841424	193	10	1.2	13.1	22.8	8.3	41.3	485	5936	12.6	4.5	62.7	20.3	<8	7.8	225.1	84.2	56.4	118.1	12.4
I841425	239	0.5	2	3.7	23.1	3.9	6.6	101.1	66	64.6	0.4	5.4	1.3	26	0.25	135	25.4	18.8	40.9	4.66
I841426	26	4	0.6	1.9	8.7	2.4	15.6	138.4	18	3.8	2	14.4	4.5	<8	0.25	59.2	13.9	10.5	18.7	1.87

Sample	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb	Bi
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1	0.1
I841415	91.1	20.46	0.19	20.12	3.79	24.43	4.79	14.8	2.28	14.78	1.98	0.3	4.3	65.7	231	0.9	3	2.1	1.6	0.3
I841416	57.7	11.2	0.08	10.04	1.88	11.77	2.42	7.15	1.16	7.69	1.06	1.7	4.2	6.1	11	2.4	73.1	0.05	0.5	1.2
I841417	56.7	9.98	0.1	9.07	1.68	10.47	2.27	6.52	1.02	6.33	0.89	2.1	16	13.2	17	0.6	212.4	0.05	1.3	3.4
I841418	8.4	1.51	1.43	1.4	0.18	0.78	0.12	0.25	0.05	0.29	0.03	0.2	1.1	2.8	5	0.2	1.6	0.05	0.05	0.05
I841419	7.3	1.44	0.41	1.15	0.17	0.9	0.15	0.47	0.07	0.44	0.07	0.3	60.8	32.3	142	57.7	21.2	0.9	0.3	7.3
I841420	4.3	0.68	0.19	0.63	0.08	0.41	0.05	0.13	0.03	0.22	0.02	0.2	2.3	13.4	28	10.5	4.4	0.1	0.2	0.05
I841421	1.9	0.5	0.11	0.68	0.11	0.68	0.15	0.44	0.08	0.6	0.09	0.2	428.5	>10000.0	6995	269.1	75.8	37.6	5.4	127.3
I841422	6.6	1.49	0.4	1.31	0.18	0.89	0.14	0.39	0.06	0.38	0.05	0.2	4849.5	21.4	607	9.1	1.8	4.1	0.3	2.2
I841423	11.7	2.68	0.08	3.76	0.93	6.83	1.52	5.06	0.82	5.24	0.74	0.3	5.1	69.4	33	3.0	4.6	0.4	0.3	0.6
I841424	46.3	10.42	0.12	11.26	2.29	15.29	3.26	9.57	1.46	8.56	1.16	0.3	494.1	1912.2	1519	0.9	3.1	11.2	0.5	1.2
I841425	18.6	4.3	0.53	4.64	0.82	5.3	1.03	3.17	0.54	3.36	0.46	1.8	19	73.5	126	2.8	2.3	0.2	0.1	0.2
I841426	6.1	1.12	0.02	1.32	0.3	2.24	0.5	1.69	0.29	1.68	0.23	1.1	9	12.5	15	1.4	1.3	0.05	0.4	0.7

Sample	Ag	Au	Hg	Tl	Se	Sn
	PPM	PPB	PPM	PPM	PPM	%
	0.1	0.5	0.01	0.1	0.5	0.005
I841415	0.1	0.25	0.02	0.2	0.25	
I841416	0.05	0.25	0.02	0.3	0.6	
I841417	0.4	0.25	0.005	0.5	0.25	
I841418	0.05	0.25	0.005	0.4	0.25	
I841419	0.3	0.25	0.02	0.5	0.6	
I841420	0.05	0.25	0.02	0.05	0.6	
I841421	94.1	9.1	0.08	1.6	3.1	
I841422	0.2	0.25	0.03	0.05	0.25	
I841423	0.5	0.25	0.02	0.05	0.25	
I841424	3.6	0.25	0.07	0.7	0.6	
I841425	0.4	0.25	0.01	0.1	0.6	
I841426	0.3	0.25	0.005	0.05	0.25	

APPENDIX F. SOIL SAMPLE ANALYSES

Seagull Tin 2011
Soil Samples

Sample	Sampler	Shipment	Certificate	UTME	UTMN	Type	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr
							PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
							1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1
1	TK	2011-01	WHI1000777	364754	6669905	Soil	607	9	44.6	45.4	20.9	2	7.3	224.5	214	444.3	0.4	2.9	1.1	199	20.2	61.3
2	TK	2011-01	WHI1000777	364807	6669915	Soil	873	7	16.1	7.9	17	7.5	20.6	69.6	49	561.9	4	11.1	4.3	92	14.4	239.6
3	TK	2011-01	WHI1000777	364856	6669914	Soil	540	9	26	21.4	16.7	2.8	10.5	108	125	324.9	1	3.7	3.3	202	24.6	89
4	TK	2011-01	WHI1000777	364909	6669915	Soil	816	6	20	12.3	17	4.9	14.5	76.2	40	452.7	0.9	5.2	1.8	121	15.4	176.1
5	TK	2011-01	WHI1000777	364958	6669919	Soil	646	4	18.5	15.6	16.9	3.6	9.8	69.6	20	629.4	0.6	3.8	1.6	132	10.2	132.9
6	TK	2011-01	WHI1000777	365009	6669919	Soil	637	5	12.2	12.5	18	7	20.1	65	79	393.9	1.3	7.4	4	95	15.5	236.5
7	TK	2011-01	WHI1000777	365059	6669931	Soil	926	7	21.5	15	19.4	3.3	14	85	469	809.3	0.7	2.7	2.2	90	13.8	112.3
8	TK	2011-01	WHI1000777	365107	6669937	Soil	683	7	17	12.9	19.5	4.5	23.9	70.7	118	696	1.7	3.8	1.9	105	7.9	155.9
9	TK	2011-01	WHI1000777	365158	6669938	Soil	2556	8	23	15.1	16.2	11.2	28.7	136.3	100	799.2	1.6	61.4	4.3	97	9.6	378
10	TK	2011-01	WHI1000777	365211	6669937	Soil	985	4	18.2	12.1	18.8	5	17.6	89.7	361	771	1.3	9.3	2.6	81	5.7	177
11	TK	2011-01	WHI1000777	365260	6669931	Soil	1044	5	11.6	16.2	23.1	4.7	14.4	106.9	257	823.2	0.7	6.7	2.1	64	12.1	149.9
12	TK	2011-01	WHI1000777	365313	6669925	Soil	1037	4	13.9	14.2	18.9	4.4	11.7	90.6	427	644.6	0.7	4	2.1	66	5.2	135.6
13	TK	2011-01	WHI1000777	365364	6669920	Soil	1022	8	12.7	15.4	22.3	6.9	14.4	125.8	724	638.3	0.9	5.2	2.6	66	9.8	204.5
14	TK	2011-01	WHI1000777	365415	6669912	Soil	1044	8	10.2	20.8	26.8	6.1	16.6	160	847	725.8	0.9	5.5	4.1	61	15.5	183
15	TK	2011-01	WHI1000777	365467	6669911	Soil	927	7	12.6	28.2	29.3	4.5	14.3	174.1	1052	535	0.9	5.2	4	67	18.2	140.5
16	TK	2011-01	WHI1000777	365517	6669902	Soil	796	4	24.1	23.3	24	4.2	13.9	132.3	656	774.7	0.9	4.5	2.6	81	17.9	129.2
17	TK	2011-01	WHI1000777	365570	6669890	Soil	1294	7	8.6	22.8	29.2	5.1	15.7	185.9	249	578.2	0.8	4.5	2.8	66	18	157.7
18	TK	2011-01	WHI1000777	365619	6669870	Soil	1077	6	9.8	16.3	27.9	6.8	19	124	123	662.9	0.8	5.4	3.4	79	28.9	209.8
19	TK	2011-01	WHI1000777	365662	6669845	Soil	1218	12	14.3	22.3	28.9	4.5	11.3	213.5	100	582.4	0.5	3.4	2.2	82	17.9	134
20	TK	2011-01	WHI1000777	365702	6669818	Soil	1025	4	19.7	25.8	23.2	4.3	12.3	129.4	65	941.8	0.6	5.5	6.3	110	10.5	147.5
21	TK	2011-01	WHI1000777	365747	6669796	Soil	1222	5	18.3	22	23.7	4.2	11.4	104.4	55	1109.2	0.7	4.4	3.2	86	9.2	118.9
22	TK	2011-01	WHI1000777	365793	6669767	Soil	1176	5	20.5	16.9	22	5.2	14.8	99.1	77	988.6	0.9	5.3	3.3	69	5.7	162
24	TK	2011-01	WHI1000777	365839	6669738	Soil	1106	6	11.3	14.6	20.7	5.2	14.2	89.2	50	932.6	1	5.9	3.4	73	5.1	164.2
25	TK	2011-01	WHI1000777	365876	6669703	Soil	1024	5	17.1	12.7	20.4	3.4	12.1	85.2	32	1056.9	0.6	4.2	2.2	71	3.8	119.7
26	TK	2011-01	WHI1000777	365913	6669670	Soil	1277	5	11.8	12.1	22.7	5	13.4	88.4	49	1180.8	0.7	4.9	3.9	61	3.7	166.2
27	TK	2011-01	WHI1000777	365952	6669640	Soil	1101	5	13.7	19.3	23.3	4.3	11.2	100.6	44	975.8	0.7	5	5	78	5.5	146
28	TK	2011-01	WHI1000777	365990	6669606	Soil	982	6	17.5	20.2	23.1	3.9	11	79.2	32	1287.5	0.6	3.8	5.4	89	4.8	116.9
29	TK	2011-01	WHI1000777	366025	6669568	Soil	960	2	15.7	14.9	22.9	4.2	11.8	80.3	20	956.2	0.6	4.6	2.8	97	2.7	144.4
30	TK	2011-01	WHI1000777	366057	6669527	Soil	1074	3	11.6	12.5	21	5.4	14.8	76.6	21	872.3	0.8	5.4	3.7	91	3	176.5
31	TK	2011-01	WHI1000777	366078	6669481	Soil	843	4	22.5	15.2	24.6	3.8	10.6	67.2	16	823.5	0.4	4.4	4.9	111	2.1	111.9
32	TK	2011-01	WHI1000777	366105	6669435	Soil	1034	2	5.2	6.9	17.1	3.3	9.5	61.1	9	727.9	0.4	3.2	3	53	0.9	102.5
33	TK	2011-01	WHI1000777	366101	6669363	Soil	1376	4	12.9	20.3	27.1	3.9	11.3	102.2	47	1087	0.5	3.7	3.6	95	8.7	122.4
100	TK	2011-01	WHI1000777	364988	6669891	Soil	792	2	7.2	7.7	16.6	7.1	17.7	65.4	26	496.8	1.4	8.5	2.8	105	7.2	229
101	TK	2011-01	WHI1000777	365039	6669891	Soil	872	6	30.8	21	17.6	3.8	15.1	160	163	713.9	0.7	3	1.6	158	62.3	118.4
102	TK	2011-01	WHI1000777	365088	6669900	Soil	831	2	11.8	16.4	16.1	3.3	14.1	90.3	277	780.5	0.8	3.2	1.5	84	5.2	127.5
103	TK	2011-01	WHI1000777	365137	6669903	Soil	688	6	19.2	25.3	18.5	3.8	21.3	122.9	119	570.6	1.7	3.8	2	162	10.3	134.5
104	TK	2011-01	WHI1000777	365189	6669901	Soil	992	4	16.5	13	18.3	5.4	15.5	73.4	181	791.6	1	10.4	3	111	6.1	177.8
105	TK	2011-01	WHI1000777	365236	6669893	Soil	890	5	16.1	19.3	22.5	5	13.4	99	399	652	0.9	7.6	4.2	87	8.8	165.5
106	TK	2011-01	WHI1000777	365289	6669888	Soil	1073	6	13.1	16.4	23.1	6.6	16.2	116.3	429	706.1	0.9	6.9	2.9	83	12.8	221.7
107	TK	2011-01	WHI1000777	365342	6669888	Soil	1069	4	12.8	14.2	20.5	5.1	12.9	105	413	832.8	0.7	4.5	2.7	83	20.1	160.7
108	TK	2011-01	WHI1000777	365392	6669880	Soil	1020	5	11.2	15.8	23.3	5.1	15.2	123.9	909	690.3	0.9	6.1	3.9	72	12	176.5
109	TK	2011-01	WHI1000777	365441	6669868	Soil	1060	7	12.3	15.5	23.7	5.8	14.4	136.3	1238	642.6	0.9	5.1	3.2	67	16.3	169.5
110	TK	2011-01	WHI1000777	365494	6669852	Soil	984	3	15.1	12.7	19.4	4	11.2	104.5	1387	621.2	0.6	4.2	2.9	62	94.2	124.4
111	TK	2011-01	WHI1000777	365540	6669842	Soil	1025	7	18.9	18.5	23.2	4.6	11.6	125.5	178	664.2	0.6	3.8	3	99	14.3	134.7
112	TK	2011-01	WHI1000777	365586	6669824	Soil	1333	6	7.8	11.8	26.3	5.4	16.2	133.3	186	768.2	0.5	4.4	3.6	67	15.9	169.3
113	TK	2011-01	WHI1000777	365636	6669809	Soil	1363	8	10.3	19.2	27.1	4.1	13.7	148.6	118	657.8	0.6	3.8	2	73	12.8	126.8
114	TK	2011-01	WHI1000777	365674	6669793	Soil	1411	7	13.9	16.6	25.4	4	11.3	132	163	911.7	0.6	3.2	5.5	81	10.4	125.5
115	TK	2011-01	WHI1000777	365718	6669771	Soil	1497	5	12.9	14.1	24.3	5.1	13	83.9	53	1742	0.6	5.1	3.4	75	9.9	155.3
116	TK	2011-01	WHI1000777	365756	6669741	Soil	1123	4	20.1	15	21.1	4.4	12.1	95.1	130	1016.1	0.7	5.4	3.9	85	5.8	149.2
117	TK	2011-01	WHI1000777	365792	6669715	Soil	937	5	15.2	19.9	21.9	3.1	8.9	89.2	40	1056.2	0.5	4.2	3.3	99	6.7	104.4
118	TK	2011-01	WHI1000777	365827	6669676	Soil	1016	4	9.9	12.6	19.1	3.8	10.9	75.7	31	905.2	0.7	4.5	2.7	63	3.9	128.7
119	TK	2011-01	WHI1000777	365855	6669653	Soil	1144	4	14.2	12.5	21.8	3.4	10.6	88.2	50	1146.3	0.4	2.3	3	60	4.8	109.2
120	TK	2011-01	WHI1000777	365904	6669615	Soil	1069	2	11.2	15.8	20.9	3.6	10.4	83.6	32	856	0.7	4.2	2.6	72	3.5	120.4
121	TK	2011-01	WHI1000777	365938	6669582	Soil	1108	4	15.8	12.8	20.1	3.5	10.5	73.9	22	1217.9	0.5	2.4	2.5	80	3	117.8
122	TK	2011-01	WHI1000777	365964	6669551	Soil	1048	4	11.5	12.9	21	4.5	12.2	78	24	1155.5	0.7	3.5	4.1	68	2.9	145
123	TK	2011-01	WHI1000777	365995	6669510	Soil	1032	4	12.6	12.5	22.2	4.3	11.4	83.9	18	1031.8	0.5	4.3	3.4	68	2.6	141.5

Seagull Tin 2011
Soil Samples

Sample	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1
1	12.5	11.9	23	2.8	11.3	2.48	0.69	2.37	0.39	2.48	0.45	1.3	0.2	1.28	0.19	0.7	141.8	28.5	509	333.9	117.3	1.1
2	16.3	29.5	77.7	6.78	26.4	4.35	0.85	3.33	0.55	3.24	0.59	1.76	0.29	1.8	0.3	1	36.9	68.6	219	42.3	55.5	0.8
3	9.2	11.8	24.1	2.73	11.3	2.3	0.55	1.88	0.3	1.86	0.37	1.03	0.16	1.14	0.15	1.6	62.4	35	230	189.1	136.9	0.4
4	13.1	15	34.1	3.71	13.2	2.95	0.63	2.38	0.4	2.3	0.52	1.48	0.22	1.54	0.22	0.9	44.2	57.5	225	62.3	95.6	0.9
5	11.4	13	27.1	2.91	11.3	2.2	0.62	1.92	0.33	2.23	0.4	1.26	0.2	1.39	0.2	0.7	35.5	38.3	175	44.1	35.5	0.6
6	16.2	22.8	50.1	5.38	18.6	3.79	0.81	3.07	0.53	2.97	0.65	1.81	0.26	1.77	0.26	0.9	34.5	65.5	212	34	117.7	0.8
7	10.6	14.4	29.6	3.44	13.6	2.94	0.74	2.44	0.36	2.2	0.41	1.06	0.16	0.99	0.16	1.5	89.2	238.7	847	134.4	240.7	2.8
8	14.5	15.9	36.9	4.03	16.8	3.39	0.93	2.9	0.48	2.84	0.53	1.46	0.22	1.43	0.22	1	55.9	42.8	339	53.3	197.3	1.6
9	17.8	58.4	142.5	17.16	76.4	12.8	2.33	7.14	0.84	4.23	0.63	1.67	0.23	1.53	0.22	0.4	37.1	29.8	159	184.4	73.2	0.8
10	13.6	20.2	50.2	5.05	19.7	3.83	0.87	3.1	0.47	2.8	0.53	1.48	0.23	1.46	0.21	0.5	102.6	52.6	246	58.3	305.1	1
11	8.1	14.3	35	3.32	13.7	2.44	0.49	1.86	0.27	1.72	0.31	0.95	0.15	0.91	0.14	0.7	84.8	83.7	250	31	672.8	0.8
12	8.5	12.9	29.2	3.04	13.2	2.24	0.46	1.86	0.27	1.59	0.31	0.93	0.13	0.85	0.14	0.4	75.6	58.2	214	33.9	333.7	1.9
13	9.3	14.9	37.2	3.59	13.7	2.56	0.52	2.01	0.3	1.81	0.34	1.03	0.16	1.14	0.17	0.5	156.5	71.4	247	33.2	554.8	1.2
14	10.5	17.4	41.8	4.06	17	3.06	0.69	2.45	0.37	2.05	0.37	1.14	0.18	1.08	0.17	0.8	285.1	193.3	365	27.2	1049.8	1.2
15	9.4	19.5	47.2	4.53	17.7	3.3	0.74	2.57	0.36	2	0.31	1.04	0.15	0.95	0.15	1	493.1	159	582	35.8	1310.4	2.4
16	8.6	14.2	32.7	3.17	12.7	2.38	0.59	1.97	0.28	1.71	0.31	0.96	0.14	0.99	0.14	0.7	172.1	48.3	285	102.9	720.3	1.3
17	6.7	12.6	34.4	2.74	10.6	2.01	0.46	1.5	0.23	1.32	0.26	0.8	0.13	0.73	0.12	0.8	72.5	103.4	577	10.7	94.9	1.3
18	9.8	16.1	40.9	3.74	15	2.84	0.65	2.21	0.31	2.01	0.4	1.2	0.17	1.19	0.19	1.1	27.5	218.1	424	30.8	161.2	1.1
19	8	11.9	28.9	2.87	11	2.25	0.63	1.9	0.28	1.59	0.3	0.9	0.13	0.83	0.13	0.7	30.8	128.7	308	48.4	116	1.4
20	14.3	20.6	42.4	4.72	18.8	3.69	0.89	3.24	0.48	2.7	0.57	1.53	0.23	1.63	0.23	0.8	37.6	63.3	334	73.3	63.6	1
21	9.8	14.2	33	3.28	12.4	2.56	0.66	2.15	0.33	2.06	0.37	1.11	0.16	1.04	0.16	0.9	40.3	71.8	304	55.3	61.6	1.1
22	9.7	15	37.1	3.28	13.1	2.42	0.55	2.1	0.31	1.91	0.35	1.08	0.17	0.96	0.16	1	34.2	64	222	75.7	43.6	0.7
24	10.9	15.3	34.4	3.54	13.3	2.69	0.59	2.19	0.35	2.14	0.43	1.27	0.19	1.24	0.19	0.9	18.9	55.8	216	27.8	33.8	0.7
25	7.9	10.9	27.3	2.58	9.7	1.86	0.46	1.54	0.25	1.5	0.28	0.86	0.13	0.87	0.13	1	25.2	71.2	245	33.1	46.9	1.1
26	9.1	14.9	35.1	3.41	13.8	2.52	0.6	2.1	0.32	2	0.36	1.04	0.15	0.97	0.15	1.5	17.4	64	320	29	31.7	1
27	9.5	15.6	35.5	3.61	14.5	2.68	0.7	2.25	0.35	2.08	0.36	1.03	0.16	1.06	0.16	0.9	19.9	102.7	341	44.7	40.7	0.9
28	9.2	13.4	28.4	3.17	13	2.49	0.68	2.16	0.31	1.84	0.35	1.01	0.16	0.99	0.16	0.7	29.1	155.2	389	60.3	45.4	1.3
29	8.6	12.2	30.1	2.89	11.1	2.04	0.5	1.68	0.28	1.68	0.33	0.99	0.15	0.83	0.14	0.9	18.1	151.9	317	47.2	57.3	1.4
30	10.8	15.4	36	3.66	13	2.69	0.56	2.26	0.36	2.04	0.42	1.24	0.17	1.02	0.18	0.6	16.3	58	191	28.3	41.1	0.5
31	9.5	17.6	30.2	3.97	17.3	3.11	0.74	2.61	0.35	1.79	0.37	0.99	0.14	0.84	0.15	0.5	40.4	78.5	342	97	71.9	1.2
32	5.7	10.6	20.5	2.25	8.3	1.61	0.39	1.43	0.21	1.22	0.23	0.54	0.1	0.63	0.1	0.9	14	56.6	118	15	11.9	0.3
33	6.8	14.3	30.9	3.37	13	2.44	0.59	1.96	0.28	1.32	0.26	0.63	0.11	0.66	0.11	0.7	52.2	80.9	388	39.7	150.1	0.8
100	14	23.3	49.7	5.25	21.6	3.32	0.63	2.7	0.46	2.93	0.55	1.64	0.28	1.75	0.27	1	17.9	41.4	108	18.2	58.6	1.5
101	9.9	15	30.7	3.13	12.3	2.29	0.59	2.11	0.35	1.96	0.41	1.01	0.16	1.06	0.16	0.7	56.5	130	512	148	255.9	2.6
102	8.8	11.9	28.1	2.84	10.7	2.18	0.52	1.87	0.31	1.8	0.34	0.9	0.14	0.86	0.14	1.2	31.4	82.1	265	28.7	113.1	4
103	9.6	14.5	31.1	3.36	13.5	2.45	0.62	2.17	0.36	1.96	0.37	1.13	0.17	1.07	0.17	1.5	72.4	93.4	470	98.7	168.7	1.3
104	12.8	20.3	45.3	5	20.2	3.82	0.83	2.92	0.45	2.35	0.47	1.4	0.19	1.34	0.2	0.7	64.5	42.3	181	63.3	218.1	0.5
105	11.1	20.8	43	4.71	18.5	3.52	0.77	2.66	0.41	2.47	0.42	1.3	0.19	1.19	0.18	0.6	124.4	189.1	463	60.5	692.6	2.1
106	12.3	20.1	44.6	4.66	17.4	3.24	0.67	2.79	0.42	2.44	0.47	1.32	0.21	1.41	0.22	0.5	91.5	55.2	227	44.5	473	0.9
107	9.8	12.4	29.4	2.98	12.3	2.25	0.48	1.96	0.32	1.93	0.38	1.13	0.18	1.15	0.18	0.4	117.4	78.7	264	52.6	411.2	0.7
108	10.3	19	41.6	4.52	17.3	3.21	0.64	2.59	0.39	1.97	0.37	1.23	0.17	1.06	0.17	0.6	201	67.5	251	24.7	693	0.8
109	8.7	17.2	39.2	4.03	15.4	2.71	0.45	2.23	0.32	1.68	0.34	0.92	0.15	1.17	0.15	0.7	247.8	61.6	260	29.5	956.4	1.2
110	7	11.8	30.4	2.6	11	1.97	0.37	1.78	0.24	1.48	0.24	0.78	0.14	0.92	0.14	0.6	155.5	44.8	210	28.3	787.6	1
111	9.4	14.9	30.6	3.41	13	2.36	0.61	2.07	0.31	1.71	0.35	1.01	0.15	0.87	0.14	0.6	129.3	71.5	368	46.6	108.8	1.2
112	7.4	14.8	35.4	3.41	13.9	2.35	0.53	1.89	0.26	1.56	0.29	0.75	0.13	0.97	0.13	0.7	28.8	98.5	330	20.9	90.7	0.9
113	6.5	10.3	27.3	2.27	9.4	1.61	0.37	1.41	0.2	1.05	0.21	0.62	0.11	0.73	0.11	1	22.9	95.5	401	32.4	93.9	0.9
114	8.5	12.8	28.1	2.95	11.9	2.3	0.54	1.93	0.28	1.65	0.31	0.87	0.14	1.06	0.13	1.5	54.4	945.7	1087	44.9	81.9	3.1
115	7.3	12.3	28.4	2.86	12.2	2.29	0.54	1.85	0.27	1.44	0.3	0.84	0.13	0.94	0.14	0.7	28	141	565	45.5	41.9	1.3
116	10.7	18.5	37.2	4.08	16.2	2.92	0.61	2.29	0.37	2.14	0.41	1.1	0.16	1.29	0.18	0.8	34.8	55.7	206	77.5	36.3	1
117	7.7	10.6	27.3	2.54	10.1	1.9	0.51	1.82	0.26	1.55	0.29	0.81	0.11	0.92	0.11	1.2	30.2	46.6	251	44.7	27.8	0.8
118	7.9	14	30.7	3.1	11.8	2.14	0.48	1.64	0.25	1.46	0.29	0.87	0.12	0.82	0.13	0.8	15.4	54	182	27.2	24.4	1.1
119	5.1	8.8	18.2	1.92	7.7	1.33	0.31	1.28	0.18	0.82	0.18	0.55	0.07	0.6	0.08	0.6	34.9	88.9	404	49.8	71.6	1.8
120	6.8	11.4	26.9	2.7	10.1	2.02	0.38	1.59	0.24	1.45	0.25	0.86	0.13	0.86	0.15	1.8	16	88.5	267	31.1	39.1	1.1
121	7.2	9.5	20.5	2.23	8.4	1.72	0.41	1.53	0.24	1.42	0.28	0.78	0.12	0.7	0.11	0.7	25.3	90.9	281	59.5	31.5	1
122	8.5	12.7	27	2.94	11.2	2.28	0.53	1.86	0.28	1.52	0.35	0.88	0.12	0.86	0.14	0.6	18.2	95.8	229	36.9	31.2	0.6
123	7.5	11.6	26.9	2.68	11.9	2.12	0.41	1.83	0.26	1.55	0.28	0.91	0.13	0.91	0.13	0.6	20	129.2	266	41.3	54.2	0.9

Sample	Sb	Bi	Ag	Au	Hg	Tl	Se
	PPM	PPM	PPM	PPB	PPM	PPM	PPM
	0.1	0.1	0.1	0.5	0.01	0.1	0.5
1	2.1	3.8	0.8	5.5	0.04	3.2	<0.5
2	1.8	3.8	0.1	34.7	0.03	0.3	<0.5
3	3.9	3.4	0.3	6.2	0.07	1.5	0.5
4	1.6	6.9	<0.1	18.7	0.04	0.5	0.6
5	1.2	2.8	0.1	8.4	0.05	0.6	<0.5
6	1.2	4.6	0.3	4.3	0.04	0.3	1.2
7	3.2	7.8	1.3	23.5	0.04	0.9	<0.5
8	1.7	17.7	0.2	4.7	0.04	0.6	<0.5
9	1.2	4.6	0.2	0.5	0.07	0.5	<0.5
10	1.3	15.8	0.4	5.3	0.03	0.4	<0.5
11	2.2	21.7	0.4	7.1	0.06	0.4	0.9
12	1.4	18.5	0.6	2.6	0.09	0.5	<0.5
13	1.7	27	0.7	207.8	0.05	0.5	0.7
14	2.5	57.1	1.7	7.3	0.05	0.8	0.9
15	3.4	73.9	4	13.2	0.03	0.6	1.4
16	1.9	23.4	0.8	6.3	0.03	0.6	1.1
17	1.2	16.8	1.3	1.3	0.04	0.4	<0.5
18	2.2	9.8	0.8	8.3	0.05	0.5	<0.5
19	1.3	5	0.7	3	0.03	0.4	<0.5
20	1.5	4.1	0.7	22.1	0.05	0.8	<0.5
21	1.9	6.8	0.7	6.2	0.05	0.5	<0.5
22	1.6	7.1	0.8	1.6	0.05	0.4	<0.5
24	1.4	5.7	0.6	4.1	0.06	0.3	<0.5
25	1.6	5.5	0.3	4.7	0.04	0.2	0.5
26	1.4	8.1	0.7	16.2	0.06	0.2	<0.5
27	2	7.5	1.4	9.1	0.05	0.4	<0.5
28	2.4	4.4	0.9	7.8	0.06	0.3	1.1
29	1.5	4	0.7	10	0.04	0.2	<0.5
30	0.9	2.8	0.3	2.3	0.05	0.2	<0.5
31	1.3	2.5	0.6	5.3	0.11	0.4	0.9
32	0.6	4.3	0.2	4.8	0.11	0.1	<0.5
33	1.6	6.3	0.7	7.8	0.05	0.4	0.5
100	0.8	3.7	0.3	1.5	0.07	0.2	0.9
101	2	7.4	0.3	3.6	0.03	1.5	<0.5
102	1.8	9.8	0.5	3.9	0.11	0.4	<0.5
103	1.9	9.1	0.9	3.5	0.05	1.4	0.8
104	0.9	12.8	0.2	2.1	0.05	0.4	<0.5
105	1.4	23.7	3	12.5	0.06	0.6	<0.5
106	0.9	16.4	0.6	58.9	0.03	0.8	<0.5
107	1	24.3	0.9	1.2	0.03	0.6	<0.5
108	1.2	31.1	1	3.6	0.03	0.5	<0.5
109	1.8	45.2	1.1	19.6	0.04	0.5	0.6
110	1.1	30.9	0.6	1.9	0.07	0.3	<0.5
111	0.9	14.7	1.9	13.2	0.03	0.7	<0.5
112	1	11	0.9	1.2	0.02	0.4	<0.5
113	0.6	7	0.6	1.3	0.03	0.4	<0.5
114	1.5	14.9	4	<0.5	0.03	0.5	<0.5
115	0.9	5.3	0.9	18.4	0.04	0.4	<0.5
116	1	6.1	1	<0.5	0.04	0.5	<0.5
117	0.9	3.8	0.4	<0.5	0.04	0.4	<0.5
118	1	7.8	0.5	3.3	0.06	0.2	<0.5
119	1.5	4.5	0.8	2.3	0.04	0.3	<0.5
120	1	4.5	0.4	5.6	0.1	0.2	1
121	1.4	2.9	0.6	4.5	0.04	0.3	<0.5
122	0.8	3.6	0.7	37.1	0.07	0.3	0.8
123	1.1	4.4	1.3	4.5	0.04	0.2	0.7

APPENDIX G. ASSAY CERTIFICATES

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada

www.acmelab.com

Client: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road.
Whitehorse YT Y1A 5Y9 Canada

Submitted By: Mike Power
Receiving Lab: Canada-Whitehorse
Received: July 29, 2011
Report Date: October 04, 2011
Page: 1 of 5

CERTIFICATE OF ANALYSIS WHI11000778.1

CLIENT JOB INFORMATION

Project: Seagull Tin
Shipment ID: 2011-1
P.O. Number
Number of Samples: 99

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-500	99	Crush, split and pulverize 500 g rock to 200 mesh			VAN
4B02	99	LiBO2/Li2B4O7 fusion ICP-MS analysis	0.2	Completed	VAN
7PF	3	Sintering digestion (Na2O2) to 200 mL, analyzed by ICP-E	0.25	Completed	VAN

ADDITIONAL COMMENTS

Subject to recheck on Samples I841330, I841330 DUP, I841331, I841332, I841333, I841334 from rock rejects.

Invoice To: Aurora Geosciences Ltd. (Yellowknife)
3506 McDonald Drive
Yellowknife NT X1A 2H1
Canada

CC: Gord Clarke

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road.
Whitehorse YT Y1A 5Y9 Canada

Project: Seagull Tin
Report Date: October 04, 2011

CERTIFICATE OF ANALYSIS WHI11000778.1

Method		WGHT	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B
Analyte		Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
I841401	Rock	0.23	14	8	1.6	2.2	35.4	7.8	65.7	130.7	19	9.1	17.9	62.5	20.6	<8	6.7	177.1	152.9	110.6	245.6
I841402	Rock	2.36	45	6	0.5	10.8	26.8	8.5	70.2	586.0	48	6.7	7.5	78.2	25.6	<8	3.3	186.6	120.7	87.4	176.4
I841403	Rock	1.18	49	5	<0.2	13.1	25.1	8.6	81.4	531.2	44	6.7	8.9	73.0	13.2	9	3.0	209.2	69.5	96.9	180.3
I841404	Rock	3.18	106	7	0.3	17.9	23.0	7.6	52.8	454.0	57	25.9	5.4	66.2	18.9	<8	4.7	157.1	51.8	43.9	72.1
I841405	Rock	0.98	5	<1	0.4	1.0	3.4	0.5	3.4	57.5	6	1.4	0.4	3.6	2.3	<8	<0.5	10.6	4.8	2.4	3.8
I841406	Rock	4.78	44	1	0.5	5.7	15.9	3.1	25.9	326.3	21	4.5	2.8	29.5	9.7	8	3.4	70.9	34.3	25.4	54.1
I841407	Rock	0.44	51	10	0.4	8.4	26.8	8.5	74.6	465.9	12	5.2	8.8	65.0	18.7	<8	172.4	193.4	61.4	73.9	144.4
I841408	Rock	0.38	21	5	<0.2	13.8	35.9	9.8	90.9	580.8	18	2.8	9.9	93.2	17.0	<8	6.7	222.3	59.8	49.5	88.0
I841409	Rock	0.32	76	3	<0.2	15.2	47.1	9.0	96.0	614.8	37	8.2	11.1	61.8	35.4	<8	14.2	207.2	22.8	88.0	149.3
I841410	Rock	0.19	32	3	0.6	0.9	14.7	4.5	59.7	13.5	12	10.7	6.3	67.6	18.0	17	16.8	105.1	28.7	46.4	60.5
I841411	Rock	0.54	70	30	0.3	19.4	27.5	9.9	74.3	529.8	14	4.9	7.6	81.0	44.8	8	40.0	210.1	92.8	73.8	138.2
I841412	Rock	1.68	31	10	0.4	4.3	36.4	7.2	76.9	284.6	74	4.6	14.0	64.9	11.9	<8	5.4	175.7	71.3	69.0	136.6
I841413	Rock	0.41	277	7	37.3	12.5	15.9	7.5	30.3	164.8	9	79.6	2.5	29.7	7.2	178	6.9	232.8	39.7	67.5	132.5
I841414	Rock	1.81	71	6	61.0	8.7	6.0	0.8	3.7	66.7	86	32.9	0.2	1.5	0.3	278	4.7	26.4	11.4	9.4	20.9
I841415	Rock	1.43	1184	35	1.4	12.4	17.3	8.4	87.0	637.7	725	175.6	9.5	64.3	36.7	20	33.9	193.7	127.2	95.9	200.9
I841416	Rock	0.22	63	6	0.7	8.7	28.3	8.0	65.9	362.7	97	8.5	7.9	49.4	9.3	<8	5.1	190.6	71.5	77.9	159.3
I841417	Rock	0.62	83	6	0.3	11.7	27.1	8.2	59.4	535.6	807	7.5	6.7	57.2	14.3	<8	13.1	188.9	61.5	82.5	158.4
I841418	Rock	2.02	44	2	<0.2	4.2	3.0	0.2	0.6	73.1	4	1366	<0.1	0.3	<0.1	<8	<0.5	3.6	6.2	9.2	16.0
I841419	Rock	0.76	2045	4	11.3	13.0	21.8	2.7	8.5	256.3	145	1404	0.4	1.7	1.1	98	2.3	83.0	4.8	7.2	15.9
I841420	Rock	0.39	1376	<1	2.4	3.8	8.3	1.4	2.8	76.4	6	556.1	0.2	0.6	0.4	14	0.6	37.1	2.1	3.5	7.1
I841421	Rock	2.58	12	<1	53.3	9.3	49.9	1.0	3.6	23.1	6829	130.5	0.2	0.7	1.0	103	60.1	25.4	4.1	1.4	3.0
I841422	Rock	1.08	1908	6	11.6	6.1	23.4	2.9	7.8	177.3	105	1060	0.3	1.2	3.4	15	3.8	99.3	4.1	4.5	12.6
I841423	Rock	0.41	36	8	0.5	1.8	18.0	7.9	82.4	63.8	94	25.7	6.2	22.9	5.3	<8	3.8	186.7	38.0	17.8	31.1
I841424	Rock	0.74	193	10	1.2	13.1	22.8	8.3	41.3	485.0	5936	12.6	4.5	62.7	20.3	<8	7.8	225.1	84.2	56.4	118.1
I841425	Rock	1.21	239	<1	2.0	3.7	23.1	3.9	6.6	101.1	66	64.6	0.4	5.4	1.3	26	<0.5	135.0	25.4	18.8	40.9
I841426	Rock	0.54	26	4	0.6	1.9	8.7	2.4	15.6	138.4	18	3.8	2.0	14.4	4.5	<8	<0.5	59.2	13.9	10.5	18.7
I841351	Rock	0.87	1324	5	21.3	7.7	26.0	5.8	20.9	256.7	8	90.1	1.7	19.5	3.4	111	4.9	213.4	24.2	44.5	99.6
I841352	Rock	1.84	1561	1	34.0	25.2	34.8	6.0	19.8	222.4	24	418.1	1.6	25.0	3.2	161	1.1	186.9	35.2	73.1	153.2
I841353	Rock	2.05	152	6	0.8	13.7	24.0	8.6	56.5	452.4	8	18.3	6.3	54.8	9.3	<8	2.5	208.8	58.7	75.5	160.6
I841354	Rock	2.17	126	6	0.7	6.9	24.0	8.5	70.3	383.6	32	21.0	6.8	56.0	12.7	<8	3.3	194.9	74.5	75.6	156.6

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Project: Seagull Tin
Report Date: October 04, 2011

CERTIFICATE OF ANALYSIS WHI11000778.1

Method		4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1
I841401	Rock	27.98	98.9	22.26	0.07	21.37	4.16	26.74	5.39	16.33	2.48	17.20	2.24	4.2	4.9	8.4	18	1.0	37.4	0.1	0.3
I841402	Rock	19.60	68.8	15.77	0.07	15.61	2.98	19.29	4.06	12.14	1.89	12.48	1.59	3.5	27.9	21.3	57	0.9	311.8	0.1	0.4
I841403	Rock	19.20	62.6	12.13	0.10	11.20	1.95	12.15	2.40	7.19	1.08	6.78	0.91	0.3	44.3	7.7	34	0.7	151.8	0.3	0.4
I841404	Rock	8.93	29.8	5.67	0.03	5.30	1.07	7.34	1.53	4.99	0.83	5.47	0.73	3.4	47.3	32.7	166	0.5	2.2	<0.1	<0.1
I841405	Rock	0.43	1.6	0.43	<0.02	0.47	0.11	0.56	0.17	0.44	0.08	0.53	0.07	2.6	1.1	2.6	3	1.5	4.8	<0.1	0.2
I841406	Rock	5.86	21.7	4.16	0.05	4.10	0.81	5.39	1.12	3.42	0.55	3.51	0.48	4.6	15.1	12.5	8	0.7	3.8	<0.1	<0.1
I841407	Rock	15.26	51.3	10.43	0.06	9.03	1.71	10.87	2.21	6.69	1.07	7.14	0.94	2.6	4.8	26.0	13	1.6	1575	0.1	3.6
I841408	Rock	9.10	30.4	5.85	0.03	6.16	1.22	8.30	1.74	5.51	0.92	5.95	0.79	2.1	16.6	28.0	34	0.7	415.0	<0.1	0.9
I841409	Rock	15.04	46.7	8.27	0.05	5.42	0.86	5.04	0.89	2.79	0.47	3.42	0.42	2.0	37.8	26.0	14	1.9	501.4	0.3	1.4
I841410	Rock	4.87	12.8	2.88	0.02	3.12	0.73	5.30	1.06	3.47	0.59	3.68	0.52	0.9	616.0	90.2	20	1.3	>10000	0.3	38.5
I841411	Rock	14.83	49.5	10.46	0.04	10.66	2.19	15.16	3.01	8.98	1.46	9.23	1.18	0.4	7.5	6.4	23	1.2	369.4	<0.1	0.6
I841412	Rock	14.81	55.2	9.81	0.05	9.14	1.78	11.71	2.36	7.18	1.22	7.76	1.08	1.4	6.2	7.0	15	1.1	238.6	<0.1	0.7
I841413	Rock	15.14	56.4	9.80	0.50	8.18	1.26	7.47	1.46	4.22	0.67	3.84	0.63	0.8	169.3	4.1	77	79.7	33.9	0.3	0.2
I841414	Rock	2.46	9.4	2.25	0.48	2.40	0.41	2.40	0.45	1.23	0.18	1.27	0.16	2.2	184.5	3.5	121	99.3	102.2	0.6	1.2
I841415	Rock	23.99	91.1	20.46	0.19	20.12	3.79	24.43	4.79	14.80	2.28	14.78	1.98	0.3	4.3	65.7	231	0.9	3.0	2.1	1.6
I841416	Rock	17.17	57.7	11.20	0.08	10.04	1.88	11.77	2.42	7.15	1.16	7.69	1.06	1.7	4.2	6.1	11	2.4	73.1	<0.1	0.5
I841417	Rock	16.47	56.7	9.98	0.10	9.07	1.68	10.47	2.27	6.52	1.02	6.33	0.89	2.1	16.0	13.2	17	0.6	212.4	<0.1	1.3
I841418	Rock	1.78	8.4	1.51	1.43	1.40	0.18	0.78	0.12	0.25	0.05	0.29	0.03	0.2	1.1	2.8	5	0.2	1.6	<0.1	<0.1
I841419	Rock	1.91	7.3	1.44	0.41	1.15	0.17	0.90	0.15	0.47	0.07	0.44	0.07	0.3	60.8	32.3	142	57.7	21.2	0.9	0.3
I841420	Rock	0.89	4.3	0.68	0.19	0.63	0.08	0.41	0.05	0.13	0.03	0.22	0.02	0.2	2.3	13.4	28	10.5	4.4	0.1	0.2
I841421	Rock	0.41	1.9	0.50	0.11	0.68	0.11	0.68	0.15	0.44	0.08	0.60	0.09	0.2	428.5	>10000	6995	269.1	75.8	37.6	5.4
I841422	Rock	1.42	6.6	1.49	0.40	1.31	0.18	0.89	0.14	0.39	0.06	0.38	0.05	0.2	4850	21.4	607	9.1	1.8	4.1	0.3
I841423	Rock	3.66	11.7	2.68	0.08	3.76	0.93	6.83	1.52	5.06	0.82	5.24	0.74	0.3	5.1	69.4	33	3.0	4.6	0.4	0.3
I841424	Rock	12.40	46.3	10.42	0.12	11.26	2.29	15.29	3.26	9.57	1.46	8.56	1.16	0.3	494.1	1912	1519	0.9	3.1	11.2	0.5
I841425	Rock	4.66	18.6	4.30	0.53	4.64	0.82	5.30	1.03	3.17	0.54	3.36	0.46	1.8	19.0	73.5	126	2.8	2.3	0.2	0.1
I841426	Rock	1.87	6.1	1.12	0.02	1.32	0.30	2.24	0.50	1.69	0.29	1.68	0.23	1.1	9.0	12.5	15	1.4	1.3	<0.1	0.4
I841351	Rock	10.66	44.2	6.90	1.13	5.48	0.85	5.03	0.91	2.50	0.43	2.76	0.44	1.0	48.7	49.2	20	35.6	4.7	0.2	0.7
I841352	Rock	16.20	65.8	10.25	2.06	7.89	1.12	6.53	1.30	3.66	0.55	3.46	0.55	0.2	47.1	27.7	149	56.0	<0.5	0.2	<0.1
I841353	Rock	16.75	62.4	11.24	0.18	9.79	1.72	10.19	2.08	6.77	1.05	6.80	0.91	1.5	0.9	13.8	32	0.9	24.3	0.1	0.6
I841354	Rock	15.59	55.8	9.46	0.12	8.43	1.59	9.89	2.24	7.25	1.23	7.52	1.07	1.7	1.3	21.3	24	1.2	31.2	<0.1	0.7

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Project: Seagull Tin
Report Date: October 04, 2011

CERTIFICATE OF ANALYSIS

WHI11000778.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	7PF
Analyte		Bi	Ag	Au	Hg	Tl	Se	Sn
Unit		ppm	ppm	ppb	ppm	ppm	ppm	%
MDL		0.1	0.1	0.5	0.01	0.1	0.5	0.005
I841401	Rock	7.4	<0.1	<0.5	0.02	0.1	1.3	
I841402	Rock	1.4	0.2	1.1	<0.01	0.5	1.0	
I841403	Rock	2.0	0.3	<0.5	<0.01	0.5	<0.5	
I841404	Rock	7.7	3.7	<0.5	0.01	0.8	0.6	
I841405	Rock	0.3	<0.1	<0.5	<0.01	<0.1	<0.5	
I841406	Rock	1.0	0.2	<0.5	<0.01	0.2	<0.5	
I841407	Rock	16.6	0.6	<0.5	<0.01	0.2	<0.5	
I841408	Rock	4.1	0.2	<0.5	<0.01	0.4	1.8	
I841409	Rock	12.1	1.0	<0.5	0.01	0.5	0.6	
I841410	Rock	174.6	13.5	4.2	0.02	0.3	17.4	
I841411	Rock	11.3	0.1	<0.5	<0.01	0.3	<0.5	
I841412	Rock	3.0	0.1	<0.5	0.01	<0.1	0.7	
I841413	Rock	0.7	0.2	2.2	0.01	1.0	1.0	
I841414	Rock	2.1	0.2	3.5	<0.01	0.5	1.7	
I841415	Rock	0.3	0.1	<0.5	0.02	0.2	<0.5	
I841416	Rock	1.2	<0.1	<0.5	0.02	0.3	0.6	
I841417	Rock	3.4	0.4	<0.5	<0.01	0.5	<0.5	
I841418	Rock	<0.1	<0.1	<0.5	<0.01	0.4	<0.5	
I841419	Rock	7.3	0.3	<0.5	0.02	0.5	0.6	
I841420	Rock	<0.1	<0.1	<0.5	0.02	<0.1	0.6	
I841421	Rock	127.3	94.1	9.1	0.08	1.6	3.1	
I841422	Rock	2.2	0.2	<0.5	0.03	<0.1	<0.5	
I841423	Rock	0.6	0.5	<0.5	0.02	<0.1	<0.5	
I841424	Rock	1.2	3.6	<0.5	0.07	0.7	0.6	
I841425	Rock	0.2	0.4	<0.5	0.01	0.1	0.6	
I841426	Rock	0.7	0.3	<0.5	<0.01	<0.1	<0.5	
I841351	Rock	0.3	1.3	31.6	0.02	0.2	4.4	
I841352	Rock	<0.1	<0.1	<0.5	0.02	0.8	<0.5	
I841353	Rock	<0.1	<0.1	<0.5	<0.01	0.3	<0.5	
I841354	Rock	0.7	<0.1	<0.5	<0.01	0.1	0.9	

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Project: Seagull Tin
Report Date: October 04, 2011

CERTIFICATE OF ANALYSIS WHI11000778.1

Method		WGHT	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B
Analyte		Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
Unit		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
I841355	Rock	1.99	92	7	0.8	6.4	28.1	8.0	69.7	292.2	18	21.6	6.5	63.6	18.1	<8	3.2	180.0	103.9	67.9	149.3
I841356	Rock	0.31	116	43	5.7	147.5	9.4	0.6	1.6	121.0	2700	8.3	0.2	1.4	1.1	41	127.3	25.4	8.1	11.4	17.6
I841357	Rock	0.78	67	4	1.1	6.6	31.9	7.2	57.5	422.9	66	7.0	6.2	59.2	23.1	<8	6.9	185.4	43.9	63.7	157.8
I841358	Rock	2.45	63	12	<0.2	8.9	24.4	6.9	79.9	523.4	12	9.4	10.0	68.0	18.8	<8	6.5	160.7	71.2	63.0	128.6
I841359	Rock	2.14	41	3	<0.2	11.4	23.9	9.7	83.5	501.3	12	9.6	9.3	83.1	26.2	<8	5.9	183.9	102.1	51.2	102.4
I841360	Rock	1.60	25	10	0.2	6.5	31.3	7.9	78.5	220.5	17	5.7	10.5	66.2	24.8	<8	5.1	137.3	155.4	116.0	225.5
I841361	Rock	1.10	825	5	23.8	2.6	9.5	1.1	3.7	51.6	77	43.7	0.3	1.7	0.5	404	1.7	35.2	9.1	5.4	15.0
I841362	Rock	0.81	411	12	0.9	7.1	34.6	9.2	134.7	671.9	25	28.0	27.8	45.4	18.7	<8	3.7	123.6	22.2	39.4	89.8
I841363	Rock	0.86	2772	<1	46.3	20.1	16.8	5.3	38.4	151.5	24	308.6	2.4	4.5	1.5	227	10.0	196.8	23.3	31.8	68.2
I841364	Rock	1.07	182	<1	34.6	0.9	6.1	1.2	2.7	7.9	19	64.7	0.2	2.5	6.9	58	46.5	43.4	16.5	11.6	22.3
I841365	Rock	1.50	35	6	27.9	27.0	3.1	0.2	0.4	10.6	104	38.2	<0.1	0.3	1.6	19	1.7	5.8	5.1	19.6	7.8
I841366	Rock	1.21	1989	3	1.8	1.5	22.8	4.3	12.5	90.6	2	1514	0.4	2.7	1.2	24	<0.5	125.3	2.0	8.4	16.2
I841367	Rock	1.45	1872	2	2.0	1.8	22.0	3.0	9.6	80.1	4	1232	0.3	1.5	0.8	21	<0.5	98.1	1.5	5.4	10.6
I841368	Rock	1.99	818	6	39.1	66.8	14.8	1.0	2.9	411.4	72	607.6	0.1	1.8	0.7	238	1.2	39.9	10.4	5.9	12.3
I841369	Rock	1.25	17	3	104.8	4.5	69.4	1.2	5.4	25.0	>10000	412.1	0.2	2.5	4.1	265	49.0	37.6	10.6	6.3	15.1
I841370	Rock	0.89	473	5	2.0	5.3	22.5	2.9	7.6	88.6	1579	720.5	0.3	1.0	0.6	18	5.4	90.0	1.0	1.8	3.8
I841371	Rock	0.89	6	<1	4.0	1.5	12.8	0.5	1.4	6.9	960	19.5	<0.1	0.3	1.5	39	13.6	17.6	1.7	5.5	12.6
I841372	Rock	0.49	161	4	<0.2	6.1	23.7	8.2	65.4	339.4	31	15.2	5.9	50.3	9.5	<8	3.8	215.9	28.8	46.4	92.6
I841373	Rock	1.05	11	3	<0.2	1.2	7.5	2.6	19.6	32.9	>10000	5.7	2.0	17.6	3.8	<8	3.5	65.6	12.5	15.4	32.1
I841374	Rock	0.81	20	31	<0.2	1.2	17.9	6.7	38.0	32.5	37	22.6	4.5	45.9	11.8	<8	1.8	161.5	27.6	8.0	23.1
I841375	Rock	0.50	43	10	<0.2	3.1	22.9	7.2	67.7	149.6	>10000	22.9	7.3	51.8	14.7	<8	44.0	179.7	34.1	18.3	48.6
I841376	Rock	1.48	63	3	0.4	7.9	24.0	7.3	67.1	304.5	50	10.0	7.7	56.8	11.9	<8	1.6	186.2	23.8	34.7	88.8
I841377	Rock	1.23	445	3	36.1	17.9	10.6	1.1	2.8	86.4	56	859.2	0.2	1.0	0.6	217	<0.5	27.5	10.8	4.5	9.4
I841378	Rock	1.14	1332	2	27.4	10.8	14.2	1.6	4.8	133.8	39	840.1	0.3	1.4	0.7	178	<0.5	53.6	8.1	4.8	10.0
I841379	Rock	0.74	54	4	5.1	4.0	9.8	0.9	2.5	4.4	253	55.0	<0.1	0.6	0.7	10	<0.5	14.1	0.8	5.2	11.8
I841380	Rock	0.92	525	1	15.1	7.2	16.5	3.0	9.3	98.9	5	433.0	0.6	5.1	1.6	172	<0.5	105.2	17.9	16.3	32.4
I841302	Rock	3.40	10	2	<0.2	3.0	7.2	0.9	6.2	114.0	17	4.1	0.8	5.6	1.3	<8	<0.5	21.4	11.3	2.9	6.7
I841303	Rock	1.80	60	3	<0.2	9.3	23.2	7.6	53.0	435.5	77	7.2	6.0	55.0	13.2	<8	190.8	194.4	81.6	87.5	175.2
I841304	Rock	2.08	15	17	<0.2	6.8	6.0	1.1	9.0	136.6	29	3.7	1.4	9.3	2.3	<8	2.6	23.6	8.4	5.1	11.2
I841305	Rock	2.12	21	<1	<0.2	11.1	9.9	1.7	12.2	204.1	216	4.0	1.7	15.5	2.7	<8	2.9	43.2	10.4	12.5	25.6

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Project: Seagull Tin
Report Date: October 04, 2011

CERTIFICATE OF ANALYSIS WHI11000778.1

Method		4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1
I841355	Rock	15.05	54.7	10.28	0.14	9.70	1.87	12.66	2.76	8.92	1.50	9.41	1.38	1.4	1.0	29.3	29	1.5	24.5	0.2	1.0
I841356	Rock	2.14	9.0	1.54	0.49	1.32	0.20	1.07	0.25	0.62	0.10	0.66	0.08	0.3	430.5	4.7	471	5.5	19.8	2.0	7.1
I841357	Rock	12.80	43.6	7.22	0.07	6.40	1.17	7.70	1.58	4.90	0.85	5.26	0.73	1.2	17.4	11.2	7	0.6	198.7	0.1	0.8
I841358	Rock	12.36	43.3	7.87	0.07	6.96	1.47	9.81	2.17	7.04	1.27	8.61	1.20	2.2	1.5	16.2	29	0.9	129.0	0.1	0.6
I841359	Rock	10.48	36.0	7.73	0.04	7.75	1.72	13.06	2.86	9.98	1.71	11.53	1.58	1.4	2.6	47.5	54	0.4	75.9	0.3	1.4
I841360	Rock	25.38	86.8	17.28	0.05	16.17	3.27	23.16	4.88	16.36	2.75	17.84	2.47	1.7	1.3	9.0	13	0.7	27.4	<0.1	0.2
I841361	Rock	1.61	6.1	1.65	0.37	1.77	0.31	1.78	0.37	0.99	0.16	1.10	0.15	0.2	25.8	7.7	45	17.8	48.5	0.1	0.4
I841362	Rock	7.31	20.1	3.57	0.14	2.75	0.69	5.14	0.98	3.92	0.80	6.48	0.90	0.4	1.9	18.3	35	2.8	8.5	0.1	0.7
I841363	Rock	8.48	38.2	7.16	2.10	6.66	0.96	5.24	0.91	2.33	0.31	1.74	0.25	0.6	122.7	13.7	88	248.8	1.3	0.2	0.3
I841364	Rock	3.26	12.8	2.48	0.33	2.40	0.39	2.36	0.51	1.50	0.23	1.54	0.23	4.0	669.3	3.5	40	42.6	1.0	0.4	0.4
I841365	Rock	1.50	7.0	0.83	0.06	0.64	0.09	0.42	0.10	0.24	0.04	0.30	0.06	0.1	10.8	77.2	>10000	4.2	1.1	179.7	1.2
I841366	Rock	1.69	6.9	1.20	0.28	0.74	0.10	0.46	0.04	0.19	0.03	0.10	0.02	0.1	14.3	24.1	48	4.1	2.9	0.2	0.2
I841367	Rock	1.19	5.5	0.68	0.22	0.65	0.07	0.36	0.05	0.16	0.02	0.09	0.02	0.1	3.6	19.0	89	4.3	2.2	0.6	0.3
I841368	Rock	1.62	8.7	1.73	0.48	1.90	0.32	1.96	0.37	1.05	0.15	1.03	0.16	0.4	57.6	1.9	103	233.1	239.0	<0.1	2.3
I841369	Rock	1.94	9.1	2.12	0.26	2.35	0.42	2.34	0.51	1.43	0.17	1.26	0.16	1.7	1031	>10000	4137	595.1	1215	11.1	10.3
I841370	Rock	0.47	2.1	0.41	0.08	0.34	0.05	0.21	0.06	0.15	0.03	0.15	0.02	0.2	200.4	9.3	47	3.3	356.3	<0.1	1.7
I841371	Rock	1.45	5.1	0.77	0.08	0.50	0.08	0.40	0.07	0.23	0.03	0.16	0.03	1.8	476.3	701.8	1219	33.7	44.0	1.5	1.0
I841372	Rock	9.52	33.2	5.31	0.10	4.03	0.74	4.83	1.04	3.34	0.55	3.91	0.52	1.1	6.2	9.9	25	1.0	4.4	<0.1	0.2
I841373	Rock	3.05	10.0	1.62	0.05	1.31	0.31	2.36	0.49	1.79	0.31	1.84	0.27	0.2	7.9	26.0	64	1.2	2.2	<0.1	0.2
I841374	Rock	1.46	4.5	1.19	0.04	1.96	0.55	4.37	1.07	3.55	0.61	3.97	0.57	1.6	2.9	33.4	37	0.7	1.0	<0.1	0.1
I841375	Rock	3.57	11.1	2.33	0.04	2.66	0.66	5.12	1.24	4.18	0.65	4.63	0.66	2.1	2.0	8.3	17	0.6	5.0	<0.1	0.2
I841376	Rock	6.51	21.9	3.64	0.06	2.93	0.67	4.40	1.00	3.23	0.57	3.90	0.55	1.3	15.2	65.8	129	1.0	1.3	0.2	0.1
I841377	Rock	1.38	6.1	1.61	0.50	1.79	0.33	2.07	0.42	1.15	0.17	1.01	0.15	0.5	159.2	7.2	150	66.5	121.9	0.9	0.6
I841378	Rock	1.29	6.1	1.32	0.46	1.44	0.24	1.54	0.30	0.79	0.14	0.79	0.12	0.3	24.7	8.2	147	161.0	18.0	0.6	<0.1
I841379	Rock	1.03	3.7	0.42	0.24	0.29	0.03	0.19	0.02	0.07	<0.01	<0.05	<0.01	0.2	27.2	91.8	261	6.6	2.0	1.4	0.3
I841380	Rock	4.02	16.9	3.29	0.88	3.17	0.54	3.07	0.70	2.02	0.27	1.73	0.27	2.5	23.6	11.4	52	2.8	19.0	0.2	0.4
I841302	Rock	0.65	1.8	0.38	<0.02	0.63	0.18	1.51	0.34	1.03	0.18	1.09	0.17	8.9	3.7	5.1	6	0.7	11.2	<0.1	<0.1
I841303	Rock	19.40	70.0	13.42	0.09	12.09	2.26	13.95	2.85	8.13	1.30	7.96	1.09	2.3	14.9	17.6	34	0.4	383.7	0.1	0.4
I841304	Rock	1.19	3.7	0.73	<0.02	0.72	0.17	1.17	0.27	0.81	0.15	0.90	0.13	2.1	18.6	4.5	6	0.7	149.2	<0.1	0.2
I841305	Rock	2.63	9.3	1.55	<0.02	1.34	0.26	1.57	0.38	1.19	0.21	1.24	0.18	6.0	29.5	7.9	8	0.6	115.9	<0.1	0.2

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Project: Seagull Tin
Report Date: October 04, 2011

CERTIFICATE OF ANALYSIS WHI11000778.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	7PF
Analyte		Bi	Ag	Au	Hg	Tl	Se	Sn
Unit		ppm	ppm	ppb	ppm	ppm	ppm	%
MDL		0.1	0.1	0.5	0.01	0.1	0.5	0.005
I841355	Rock	5.0	0.2	<0.5	<0.01	0.5	0.8	
I841356	Rock	3.5	1.7	<0.5	<0.01	0.9	0.9	
I841357	Rock	7.5	0.4	<0.5	0.03	0.2	<0.5	
I841358	Rock	1.6	<0.1	1.5	<0.01	0.3	<0.5	
I841359	Rock	0.8	0.3	2.1	<0.01	0.4	<0.5	
I841360	Rock	1.6	0.3	<0.5	<0.01	0.2	<0.5	
I841361	Rock	4.1	<0.1	0.6	<0.01	0.1	<0.5	
I841362	Rock	0.2	<0.1	<0.5	<0.01	0.2	<0.5	
I841363	Rock	1.0	0.3	3.6	<0.01	2.2	0.7	
I841364	Rock	3.4	1.1	5.0	<0.01	<0.1	12.8	
I841365	Rock	17.8	7.0	4.1	0.02	0.2	6.0	
I841366	Rock	0.3	0.2	3.5	<0.01	<0.1	<0.5	
I841367	Rock	0.2	0.1	0.9	<0.01	<0.1	<0.5	
I841368	Rock	27.0	0.2	3.4	<0.01	5.7	<0.5	
I841369	Rock	542.5	>100	13.4	0.28	0.3	7.0	2.459
I841370	Rock	6.3	0.8	4.7	0.01	1.8	1.7	
I841371	Rock	25.8	17.8	0.5	0.02	<0.1	<0.5	
I841372	Rock	1.4	0.2	<0.5	<0.01	0.2	<0.5	
I841373	Rock	1.1	0.4	0.9	<0.01	<0.1	<0.5	1.069
I841374	Rock	0.8	0.3	1.1	0.01	<0.1	<0.5	
I841375	Rock	0.2	0.1	52.5	0.02	0.1	<0.5	1.550
I841376	Rock	0.8	0.1	30.9	<0.01	0.2	0.8	
I841377	Rock	1.8	0.3	14.4	<0.01	1.3	0.9	
I841378	Rock	0.7	0.2	18.7	<0.01	1.5	<0.5	
I841379	Rock	16.9	2.6	10.9	0.01	0.2	<0.5	
I841380	Rock	4.1	0.2	14.3	<0.01	1.2	<0.5	
I841302	Rock	7.7	2.5	3.6	<0.01	0.3	<0.5	
I841303	Rock	22.3	0.3	7.8	<0.01	0.5	<0.5	
I841304	Rock	3.2	1.6	<0.5	<0.01	0.6	<0.5	
I841305	Rock	9.0	2.9	5.8	<0.01	0.7	0.6	

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Project: Seagull Tin
Report Date: October 04, 2011

CERTIFICATE OF ANALYSIS WHI11000778.1

Method	WGHT	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B
Analyte	Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL	0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
I841306 Rock	1.59	29	<1	<0.2	2.1	7.3	0.9	6.2	118.7	12	6.5	0.8	5.3	1.0	<8	0.6	21.5	5.5	3.8	6.1
I841307 Rock	1.07	14	<1	<0.2	2.4	7.4	0.8	4.8	106.3	11	4.3	0.5	5.0	0.9	<8	<0.5	13.6	4.2	4.5	7.7
I841308 Rock	0.92	8	<1	<0.2	2.5	8.5	0.6	3.9	115.1	30	1.3	0.5	4.1	1.0	<8	<0.5	12.2	6.8	4.9	9.3
I841309 Rock	1.20	9	1	<0.2	3.8	20.4	1.5	11.0	253.4	37	1.1	1.1	12.3	5.5	<8	0.6	30.8	14.8	8.7	18.0
I841310 Rock	1.41	82	<1	<0.2	9.1	19.2	4.5	35.5	454.7	25	5.3	4.1	41.0	15.4	<8	4.1	93.5	39.9	36.4	79.9
I841311 Rock	0.93	866	<1	34.9	7.2	20.8	5.2	57.7	90.0	4	362.6	3.9	4.8	1.5	390	3.0	214.2	29.3	35.4	70.9
I841312 Rock	0.68	1045	2	1.2	1.2	21.0	2.4	8.6	36.7	1	530.7	0.3	0.7	0.6	14	<0.5	75.1	1.4	1.8	2.9
I841313 Rock	0.82	67	5	<0.2	12.3	23.4	9.3	70.3	459.5	6	12.4	6.8	55.6	13.2	<8	3.6	229.8	75.9	71.8	142.6
I841314 Rock	0.75	49	55	0.4	13.3	22.1	5.3	60.2	420.1	7	15.6	9.0	57.1	12.2	16	5.0	138.1	73.2	92.2	191.4
I841315 Rock	0.77	243	30	0.6	3.8	25.1	8.0	50.4	195.8	133	150.1	5.6	53.0	7.3	16	2.5	213.0	91.5	26.2	44.8
I841316 Rock	0.42	355	5	0.5	4.6	28.4	4.0	57.6	320.2	25	81.0	8.8	26.1	8.4	9	3.1	95.0	66.1	43.1	72.5
I841317 Rock	0.54	5	9	0.6	1.1	37.3	5.5	59.5	5.3	47	12.4	6.7	67.8	9.0	12	4.0	152.8	144.8	47.1	106.8
I841318 Rock	0.76	90	28	0.5	19.1	31.3	9.3	96.6	582.7	54	7.6	23.3	59.1	21.9	<8	6.4	125.2	121.3	80.6	167.6
I841319 Rock	0.44	845	4	49.2	68.2	31.8	5.4	105.4	1870	3	30.7	24.0	498.1	42.1	74	1.2	130.0	39.6	803.1	1323
I841320 Rock	1.31	9	<1	119.2	1.2	1.2	<0.1	1.1	6.3	2	4.3	3.8	0.2	<0.1	45	2.0	1.4	2.1	0.9	2.3
I841321 Rock	1.17	26	<1	149.0	2.0	1.1	0.2	0.7	11.3	<1	2.9	1.2	2.2	0.2	36	3.2	1.5	1.8	2.0	3.9
I841322 Rock	1.41	4	2	137.7	0.6	<0.5	<0.1	0.2	2.2	45	4.9	0.4	<0.2	0.1	48	13.2	1.7	2.5	0.6	1.6
I841323 Rock	1.18	13	2	194.9	1.7	0.9	<0.1	0.5	7.7	13	2.3	1.1	<0.2	<0.1	35	8.9	1.1	1.2	0.3	1.0
I841324 Rock	0.82	1501	2	1.7	3.5	22.6	3.0	7.4	111.8	10	928.4	<0.1	1.6	0.8	15	2.6	95.1	1.5	5.6	9.6
I841325 Rock	1.29	1789	3	1.4	4.8	21.5	2.6	7.8	108.9	28	1122	0.4	1.2	1.0	13	1.1	86.5	1.4	1.9	3.0
I841326 Rock	1.21	1969	2	1.6	3.6	22.4	3.6	9.0	110.3	25	1303	1.2	1.2	0.9	16	<0.5	106.8	1.5	3.9	8.1
I841327 Rock	4.28	133	3	43.9	3.6	32.5	2.8	4.1	34.4	870	542.6	<0.1	1.1	1.2	27	4.8	83.2	1.7	1.7	2.7
I841328 Rock	0.50	1753	<1	1.1	3.3	22.1	2.9	7.2	98.1	6	1272	<0.1	1.0	1.0	13	0.8	87.4	0.9	2.4	4.9
I841329 Rock	1.67	18	5	98.0	1.9	39.8	0.5	2.6	8.1	5804	111.6	<0.1	1.0	1.7	147	29.1	24.3	9.0	4.0	8.1
I841330 Rock	1.37	39	<1	4.0	0.8	1.0	0.3	0.3	3.5	17	370.4	<0.1	0.5	2.5	<8	0.7	17.8	8.0	2.6	7.7
I841331 Rock	1.34	16	2	0.4	1.7	5.4	0.4	1.0	58.7	64	3.1	0.6	0.4	3.0	18	<0.5	7.2	22.9	4.0	6.1
I841332 Rock	1.10	13	82	0.4	4.0	18.1	2.8	20.5	40.3	223	4.5	1.4	26.8	6.5	<8	1.0	50.5	23.3	9.8	19.4
I841333 Rock	0.82	43	8	<0.2	5.3	11.7	<0.1	3.1	80.5	870	4.2	0.7	3.1	9.1	<8	3.3	1.4	8.4	3.8	5.6
I841334 Rock	0.79	13	5	<0.2	5.2	29.4	7.4	39.7	123.0	60	43.8	5.7	79.0	8.1	<8	6.6	190.3	41.4	13.6	25.9
I841335 Rock	1.44	5	18	0.5	4.5	26.1	1.8	34.4	54.4	1337	8.0	4.6	20.3	11.1	11	7.5	41.2	64.6	20.7	44.3

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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34A Laberge Road.
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Project: Seagull Tin
Report Date: October 04, 2011

CERTIFICATE OF ANALYSIS WHI11000778.1

	Method	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1
I841306	Rock	0.63	1.5	0.32	<0.02	0.42	0.11	0.74	0.20	0.63	0.10	0.52	0.10	5.4	1.0	3.7	2	0.7	3.4	<0.1	<0.1
I841307	Rock	0.75	3.2	0.45	<0.02	0.43	0.09	0.68	0.14	0.40	0.07	0.41	0.08	6.5	0.8	2.7	5	0.3	9.0	<0.1	<0.1
I841308	Rock	0.89	2.8	0.64	<0.02	0.66	0.13	1.02	0.18	0.62	0.09	0.64	0.10	0.3	2.6	1.8	2	0.5	<0.5	<0.1	<0.1
I841309	Rock	1.83	6.0	1.28	<0.02	1.37	0.32	2.27	0.49	1.56	0.24	1.64	0.22	7.2	2.3	19.3	5	0.3	1.4	<0.1	<0.1
I841310	Rock	7.85	26.1	4.96	0.05	4.48	0.94	6.26	1.37	4.26	0.71	4.57	0.64	5.2	23.9	22.1	14	0.7	3.3	<0.1	<0.1
I841311	Rock	8.15	33.0	6.85	2.01	6.52	1.07	5.86	1.21	3.12	0.46	3.14	0.43	2.4	67.8	7.8	12	28.9	679.7	<0.1	4.8
I841312	Rock	0.30	0.9	0.23	0.06	0.24	0.05	0.38	0.05	0.18	0.02	0.21	0.03	0.1	9.6	9.3	38	5.2	3.7	0.2	0.2
I841313	Rock	15.19	55.1	10.84	0.11	10.48	1.95	12.24	2.63	7.74	1.26	7.79	1.05	1.6	0.9	8.6	52	0.6	8.9	<0.1	0.4
I841314	Rock	21.59	71.8	14.11	0.13	12.77	2.27	12.84	2.64	7.37	1.11	6.28	0.89	2.5	1.1	13.7	57	1.2	10.7	0.3	0.3
I841315	Rock	6.50	23.9	5.75	0.12	7.80	1.84	12.81	3.18	8.89	1.27	6.69	0.92	0.2	25.6	44.6	2805	0.6	21.8	6.3	0.6
I841316	Rock	9.24	30.3	5.98	0.08	6.54	1.35	8.75	2.31	7.03	1.01	6.27	0.92	0.8	9.8	42.8	163	2.2	8.6	0.5	0.1
I841317	Rock	14.06	53.9	17.18	0.17	20.32	4.29	27.67	6.08	17.90	2.42	14.45	2.07	0.8	1.3	15.5	24	1.6	7.3	<0.1	0.5
I841318	Rock	18.34	52.8	10.30	0.14	9.87	2.08	13.78	3.14	10.20	1.78	11.52	1.65	7.2	1.3	39.0	367	6.1	8.2	1.1	0.4
I841319	Rock	114.1	244.8	24.15	0.25	12.38	1.65	7.47	1.20	3.81	0.63	4.09	0.60	0.2	11.4	12.5	138	499.4	61.8	<0.1	8.3
I841320	Rock	0.29	1.0	0.41	0.06	0.42	0.06	0.40	0.06	0.29	0.03	0.15	0.02	0.5	100.8	4.9	133	1266	3.7	0.2	1.2
I841321	Rock	0.41	1.5	0.27	0.03	0.34	0.05	0.33	0.07	0.24	0.04	0.21	0.03	0.2	173.2	3.1	86	1719	58.7	<0.1	3.3
I841322	Rock	0.25	1.6	0.33	0.06	0.48	0.08	0.39	0.10	0.30	0.04	0.22	0.04	0.2	263.0	10.3	85	838.3	2.2	0.3	0.8
I841323	Rock	0.12	0.4	0.19	0.02	0.21	0.03	0.21	0.05	0.16	0.01	0.13	0.03	1.0	344.3	7.9	99	1450	56.7	0.2	4.4
I841324	Rock	1.21	5.4	0.77	0.25	0.53	0.06	0.31	0.03	0.19	0.02	<0.05	0.02	0.1	4.0	8.1	47	4.1	1.9	0.2	0.2
I841325	Rock	0.43	1.7	0.44	0.16	0.31	0.05	0.25	0.03	0.10	0.02	0.14	<0.01	0.2	32.7	13.6	55	9.0	1.9	<0.1	0.7
I841326	Rock	0.90	3.1	0.66	0.22	0.58	0.07	0.23	0.05	0.16	0.01	0.08	0.01	0.1	11.0	20.6	109	2.3	1.4	0.5	0.4
I841327	Rock	0.34	1.6	0.36	0.19	0.44	0.07	0.32	0.07	0.16	0.04	0.15	0.03	1.4	2628	639.9	932	23.4	142.0	2.1	1.0
I841328	Rock	0.59	2.9	0.45	0.18	0.38	0.05	0.32	0.03	0.09	0.01	<0.05	0.02	0.1	8.4	32.1	88	2.0	3.2	0.4	0.6
I841329	Rock	1.02	3.2	0.99	0.14	1.03	0.16	0.98	0.20	0.42	0.04	0.44	0.07	0.3	89.0	>10000	>10000	218.1	42.6	110.9	24.8
I841330	Rock	1.38	7.2	1.56	1.93	1.45	0.22	1.20	0.27	0.74	0.09	0.50	0.11	0.6	398.9	13.1	15	1.2	0.6	1.0	0.4
I841331	Rock	0.97	4.1	1.15	<0.02	1.89	0.45	2.98	0.71	2.12	0.30	1.73	0.25	12.3	168.9	658.1	8004	1.2	4087	94.4	6.4
I841332	Rock	2.72	8.2	2.55	<0.02	2.95	0.61	4.04	0.86	2.56	0.43	2.40	0.38	0.2	37.0	435.6	3363	0.6	24.9	15.4	<0.1
I841333	Rock	0.91	2.8	0.88	<0.02	0.97	0.22	1.55	0.32	0.98	0.17	0.95	0.12	1.1	41.4	162.4	483	0.8	26.7	1.4	0.4
I841334	Rock	4.30	13.7	3.96	0.06	4.92	1.03	6.46	1.46	4.73	0.71	4.45	0.71	0.2	10.6	53.1	556	1.0	12.4	1.2	<0.1
I841335	Rock	8.22	31.7	10.66	0.11	10.91	1.99	11.70	2.40	6.89	1.03	5.92	0.92	0.2	36.0	427.8	556	1.6	20.7	1.6	0.5

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CERTIFICATE OF ANALYSIS

WHI11000778.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	7PF
Analyte		Bi	Ag	Au	Hg	Tl	Se	Sn
Unit		ppm	ppm	ppb	ppm	ppm	ppm	%
MDL		0.1	0.1	0.5	0.01	0.1	0.5	0.005
I841306	Rock	0.7	<0.1	2.2	<0.01	0.3	<0.5	
I841307	Rock	0.6	<0.1	1.7	<0.01	0.3	<0.5	
I841308	Rock	1.0	<0.1	<0.5	<0.01	0.1	<0.5	
I841309	Rock	1.9	0.1	1.9	<0.01	0.3	0.5	
I841310	Rock	0.8	0.2	<0.5	<0.01	0.5	<0.5	
I841311	Rock	0.4	0.5	1.5	<0.01	0.4	3.8	
I841312	Rock	<0.1	<0.1	1.4	<0.01	<0.1	<0.5	
I841313	Rock	<0.1	<0.1	<0.5	<0.01	0.5	<0.5	
I841314	Rock	0.2	<0.1	<0.5	<0.01	0.5	<0.5	
I841315	Rock	1.1	2.0	2.0	0.02	0.2	<0.5	
I841316	Rock	0.2	0.7	1.3	<0.01	0.1	<0.5	
I841317	Rock	1.3	0.2	1.0	<0.01	<0.1	<0.5	
I841318	Rock	0.3	0.2	0.7	0.06	0.8	<0.5	
I841319	Rock	0.1	<0.1	5.3	<0.01	6.3	<0.5	
I841320	Rock	0.2	0.1	1.2	<0.01	0.2	<0.5	
I841321	Rock	0.3	0.2	1.6	<0.01	0.6	1.2	
I841322	Rock	0.4	0.3	1.4	<0.01	0.1	0.5	
I841323	Rock	0.7	0.3	1.3	<0.01	0.3	1.1	
I841324	Rock	0.3	<0.1	<0.5	0.01	<0.1	<0.5	
I841325	Rock	9.1	0.2	2.0	<0.01	0.1	<0.5	
I841326	Rock	1.9	0.2	0.9	<0.01	<0.1	<0.5	
I841327	Rock	43.4	14.4	5.1	0.03	0.2	3.0	
I841328	Rock	15.3	0.4	2.1	0.03	<0.1	<0.5	
I841329	Rock	877.3	>100	19.2	0.06	1.5	9.3	
I841330	Rock	0.2	0.9	2.3	<0.01	0.3	<0.5	
I841331	Rock	19.2	17.5	12.5	0.06	0.3	<0.5	
I841332	Rock	9.8	5.7	3.0	<0.01	0.2	<0.5	
I841333	Rock	47.7	29.9	5.1	0.04	0.1	2.2	
I841334	Rock	2.4	1.6	5.2	0.02	0.3	<0.5	
I841335	Rock	3.7	1.8	5.3	0.02	0.2	<0.5	

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Project: Seagull Tin
Report Date: October 04, 2011

CERTIFICATE OF ANALYSIS WHI11000778.1

	Method	WGHT	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B
	Analyte	Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
I841336	Rock	1.90	1095	4	7.4	8.3	25.7	3.7	13.0	199.0	18	1349	<0.1	6.0	3.3	156	3.3	127.8	15.8	7.9	17.7
I841337	Rock	1.05	1177	3	1.8	6.9	31.9	3.8	8.3	177.8	17	777.6	1.0	1.8	0.9	22	1.4	104.7	2.3	6.0	9.8
I841338	Rock	0.59	924	31	7.9	10.4	31.4	2.7	8.7	135.7	71	1177	2.7	1.9	1.0	17	13.3	83.4	1.4	5.6	10.5
I841339	Rock	0.55	1962	14	12.4	54.3	27.6	3.1	11.4	427.6	63	862.3	2.0	5.5	2.6	139	15.7	115.2	16.5	15.8	30.9
I841340	Rock	1.26	2357	<1	0.6	7.7	25.6	3.3	11.2	167.7	79	1139	0.2	1.3	3.9	9	1.9	89.3	1.1	3.1	4.9
I841341	Rock	0.96	1868	3	2.7	4.7	24.2	2.7	8.5	112.5	36	1247	<0.1	1.0	1.4	11	1.6	93.9	2.1	5.5	12.4
I841342	Rock	0.58	2201	5	11.7	5.6	24.5	3.5	8.7	223.3	215	854.4	<0.1	1.0	0.7	12	29.6	98.1	0.7	1.1	1.5
I841343	Rock	0.57	939	6	1.1	4.4	27.5	2.3	5.0	85.6	65	793.3	0.6	0.6	0.8	13	5.9	71.1	1.4	2.9	5.4
I841344	Rock	0.70	126	2	<0.2	4.6	6.9	0.4	1.4	105.6	17	42.8	0.8	0.3	0.1	<8	2.5	9.0	0.2	1.2	3.1

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CERTIFICATE OF ANALYSIS WHI11000778.1

	Method	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1
I841336	Rock	2.34	9.4	2.43	0.70	2.66	0.48	2.61	0.57	1.84	0.29	1.62	0.33	5.6	66.4	44.3	87	1.4	118.4	0.3	3.0
I841337	Rock	1.31	4.8	0.84	0.23	0.62	0.08	0.46	0.08	0.16	0.02	0.16	0.02	0.3	11.0	9.7	51	3.2	156.5	0.2	0.6
I841338	Rock	1.25	4.2	0.80	0.16	0.59	0.07	0.28	0.02	0.15	0.02	0.11	0.02	0.2	254.7	17.8	27	2.9	172.6	<0.1	1.4
I841339	Rock	3.94	13.6	3.15	0.74	3.11	0.51	3.08	0.54	1.65	0.26	1.77	0.25	2.3	123.4	6.9	104	0.7	685.1	0.2	0.5
I841340	Rock	0.61	2.1	0.41	0.16	0.34	0.05	0.18	0.05	0.14	0.02	<0.05	<0.01	0.3	8.2	15.3	33	1.3	9.5	0.1	0.3
I841341	Rock	1.31	4.8	1.04	0.29	0.91	0.13	0.55	0.11	0.24	0.03	0.22	0.03	0.1	30.1	31.2	179	3.0	3.1	2.4	0.4
I841342	Rock	0.17	0.5	0.12	0.06	0.17	0.04	0.16	0.02	0.12	<0.01	0.08	0.01	0.2	776.5	261.7	141	2.1	42.3	<0.1	0.9
I841343	Rock	0.70	3.5	0.56	0.20	0.47	0.06	0.36	0.03	0.13	0.02	0.07	0.02	0.1	9.7	30.4	62	1.3	3.0	0.4	1.0
I841344	Rock	0.17	<0.3	<0.05	0.04	0.07	0.01	0.09	<0.02	<0.03	<0.01	<0.05	<0.01	0.2	5.4	5.7	16	0.9	4.4	0.1	<0.1

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Method		1DX	1DX	1DX	1DX	1DX	1DX	7PF
Analyte		Bi	Ag	Au	Hg	Tl	Se	Sn
Unit		ppm	ppm	ppb	ppm	ppm	ppm	%
MDL		0.1	0.1	0.5	0.01	0.1	0.5	0.005
I841336	Rock	2.8	0.3	45.9	0.02	0.3	1.0	
I841337	Rock	2.8	0.1	15.9	<0.01	0.3	<0.5	
I841338	Rock	80.9	1.3	9.3	0.02	0.4	8.2	
I841339	Rock	23.3	0.3	8.1	<0.01	3.8	0.8	
I841340	Rock	2.1	0.2	23.3	<0.01	0.3	<0.5	
I841341	Rock	3.1	0.2	1.3	0.02	0.2	<0.5	
I841342	Rock	9.8	56.1	3.7	<0.01	0.3	1.1	
I841343	Rock	37.9	0.7	2.4	<0.01	0.3	0.5	
I841344	Rock	2.3	0.4	0.6	<0.01	0.1	<0.5	

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QUALITY CONTROL REPORT WHI11000778.1

	Method	WGHT	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B
	Analyte	Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
Pulp Duplicates																					
I841404	Rock	3.18	106	7	0.3	17.9	23.0	7.6	52.8	454.0	57	25.9	5.4	66.2	18.9	<8	4.7	157.1	51.8	43.9	72.1
REP I841404	QC		99	6	0.4	17.2	22.2	6.7	50.9	440.8	54	23.7	5.5	63.4	18.2	<8	4.8	143.3	48.4	40.0	65.2
I841418	Rock	2.02	44	2	<0.2	4.2	3.0	0.2	0.6	73.1	4	1366	<0.1	0.3	<0.1	<8	<0.5	3.6	6.2	9.2	16.0
REP I841418	QC																				
I841369	Rock	1.25	17	3	104.8	4.5	69.4	1.2	5.4	25.0	>10000	412.1	0.2	2.5	4.1	265	49.0	37.6	10.6	6.3	15.1
REP I841369	QC																				
I841378	Rock	1.14	1332	2	27.4	10.8	14.2	1.6	4.8	133.8	39	840.1	0.3	1.4	0.7	178	<0.5	53.6	8.1	4.8	10.0
REP I841378	QC		1345	<1	28.1	9.9	13.8	1.8	5.2	134.2	38	842.8	0.3	1.5	0.7	168	<0.5	55.0	8.1	4.4	9.5
I841311	Rock	0.93	866	<1	34.9	7.2	20.8	5.2	57.7	90.0	4	362.6	3.9	4.8	1.5	390	3.0	214.2	29.3	35.4	70.9
REP I841311	QC																				
I841326	Rock	1.21	1969	2	1.6	3.6	22.4	3.6	9.0	110.3	25	1303	1.2	1.2	0.9	16	<0.5	106.8	1.5	3.9	8.1
REP I841326	QC																				
Core Reject Duplicates																					
I841415	Rock	1.43	1184	35	1.4	12.4	17.3	8.4	87.0	637.7	725	175.6	9.5	64.3	36.7	20	33.9	193.7	127.2	95.9	200.9
DUP I841415	QC		1118	33	1.7	11.6	17.0	6.8	83.1	620.4	664	174.6	8.4	61.7	35.0	22	34.8	167.6	124.9	90.5	191.6
I841374	Rock	0.81	20	31	<0.2	1.2	17.9	6.7	38.0	32.5	37	22.6	4.5	45.9	11.8	<8	1.8	161.5	27.6	8.0	23.1
DUP I841374	QC		23	30	<0.2	1.2	18.9	6.2	38.0	33.3	24	22.7	4.7	46.7	12.2	<8	1.0	163.0	28.2	8.0	22.8
I841330	Rock	1.37	39	<1	4.0	0.8	1.0	0.3	0.3	3.5	17	370.4	<0.1	0.5	2.5	<8	0.7	17.8	8.0	2.6	7.7
DUP I841330	QC		36	<1	3.8	0.9	0.8	0.4	1.0	3.8	20	375.7	0.2	0.5	2.3	<8	1.1	17.3	7.8	2.9	7.9
Reference Materials																					
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				

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Project: Seagull Tin
Report Date: October 04, 2011

QUALITY CONTROL REPORT WHI11000778.1

	Method	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1
Pulp Duplicates																					
I841404	Rock	8.93	29.8	5.67	0.03	5.30	1.07	7.34	1.53	4.99	0.83	5.47	0.73	3.4	47.3	32.7	166	0.5	2.2	<0.1	<0.1
REP I841404	QC	8.05	27.9	5.48	0.03	4.85	1.04	6.76	1.47	4.75	0.78	5.23	0.71								
I841418	Rock	1.78	8.4	1.51	1.43	1.40	0.18	0.78	0.12	0.25	0.05	0.29	0.03	0.2	1.1	2.8	5	0.2	1.6	<0.1	<0.1
REP I841418	QC													0.1	1.5	2.8	5	<0.1	1.6	<0.1	<0.1
I841369	Rock	1.94	9.1	2.12	0.26	2.35	0.42	2.34	0.51	1.43	0.17	1.26	0.16	1.7	1031	>10000	4137	595.1	1215	11.1	10.3
REP I841369	QC																				
I841378	Rock	1.29	6.1	1.32	0.46	1.44	0.24	1.54	0.30	0.79	0.14	0.79	0.12	0.3	24.7	8.2	147	161.0	18.0	0.6	<0.1
REP I841378	QC	1.23	6.0	1.25	0.44	1.48	0.25	1.42	0.32	0.77	0.12	0.68	0.13								
I841311	Rock	8.15	33.0	6.85	2.01	6.52	1.07	5.86	1.21	3.12	0.46	3.14	0.43	2.4	67.8	7.8	12	28.9	679.7	<0.1	4.8
REP I841311	QC													2.2	70.4	8.0	12	29.1	707.9	<0.1	5.0
I841326	Rock	0.90	3.1	0.66	0.22	0.58	0.07	0.23	0.05	0.16	0.01	0.08	0.01	0.1	11.0	20.6	109	2.3	1.4	0.5	0.4
REP I841326	QC													0.1	11.7	21.9	117	2.3	1.8	0.6	0.4
Core Reject Duplicates																					
I841415	Rock	23.99	91.1	20.46	0.19	20.12	3.79	24.43	4.79	14.80	2.28	14.78	1.98	0.3	4.3	65.7	231	0.9	3.0	2.1	1.6
DUP I841415	QC	22.68	88.7	19.77	0.16	19.62	3.63	23.74	4.51	13.32	2.16	14.21	1.80	0.3	4.4	66.4	228	1.4	3.3	2.5	1.9
I841374	Rock	1.46	4.5	1.19	0.04	1.96	0.55	4.37	1.07	3.55	0.61	3.97	0.57	1.6	2.9	33.4	37	0.7	1.0	<0.1	0.1
DUP I841374	QC	1.49	5.4	1.22	0.05	1.94	0.56	4.24	1.05	3.59	0.62	4.17	0.56	1.5	2.8	32.5	35	0.5	1.2	<0.1	0.1
I841330	Rock	1.38	7.2	1.56	1.93	1.45	0.22	1.20	0.27	0.74	0.09	0.50	0.11	0.6	398.9	13.1	15	1.2	0.6	1.0	0.4
DUP I841330	QC	1.40	5.9	1.52	1.98	1.42	0.23	1.03	0.23	0.69	0.09	0.60	0.11	0.6	393.4	171.4	68	2.1	0.9	1.2	0.4
Reference Materials																					
STD DS8	Standard													13.8	113.6	128.1	320	39.1	26.6	2.6	5.0
STD DS8	Standard													14.2	110.2	126.0	321	39.7	28.1	2.2	3.7
STD DS8	Standard													13.2	110.9	128.3	315	39.1	26.3	2.4	4.3
STD DS8	Standard													13.8	102.5	112.8	306	39.1	25.3	2.2	4.3
STD OREAS45CA	Standard													0.9	505.3	22.7	61	246.7	3.7	<0.1	<0.1
STD OREAS45CA	Standard													0.5	526.2	20.7	66	257.2	5.1	0.1	<0.1
STD OREAS45CA	Standard													0.9	478.3	22.5	57	235.7	3.3	0.1	<0.1
STD OREAS45CA	Standard													0.9	493.0	19.6	57	238.3	3.5	0.1	0.1

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QUALITY CONTROL REPORT WHI11000778.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	7PF
	Analyte	Bi	Ag	Au	Hg	Tl	Se	Sn
	Unit	ppm	ppm	ppb	ppm	ppm	ppm	%
	MDL	0.1	0.1	0.5	0.01	0.1	0.5	0.005
Pulp Duplicates								
I841404	Rock	7.7	3.7	<0.5	0.01	0.8	0.6	
REP I841404	QC							
I841418	Rock	<0.1	<0.1	<0.5	<0.01	0.4	<0.5	
REP I841418	QC	<0.1	<0.1	<0.5	0.01	0.4	<0.5	
I841369	Rock	542.5	>100	13.4	0.28	0.3	7.0	2.459
REP I841369	QC							2.443
I841378	Rock	0.7	0.2	18.7	<0.01	1.5	<0.5	
REP I841378	QC							
I841311	Rock	0.4	0.5	1.5	<0.01	0.4	3.8	
REP I841311	QC	0.4	0.5	1.0	<0.01	0.3	4.0	
I841326	Rock	1.9	0.2	0.9	<0.01	<0.1	<0.5	
REP I841326	QC	2.1	0.2	1.4	<0.01	<0.1	<0.5	
Core Reject Duplicates								
I841415	Rock	0.3	0.1	<0.5	0.02	0.2	<0.5	
DUP I841415	QC	0.3	0.2	<0.5	<0.01	0.2	<0.5	
I841374	Rock	0.8	0.3	1.1	0.01	<0.1	<0.5	
DUP I841374	QC	0.8	0.3	<0.5	0.02	<0.1	<0.5	
I841330	Rock	0.2	0.9	2.3	<0.01	0.3	<0.5	
DUP I841330	QC	3.5	3.0	0.7	<0.01	0.3	<0.5	
Reference Materials								
STD DS8	Standard	5.7	1.8	105.3	0.18	5.5	5.2	
STD DS8	Standard	6.2	1.8	102.1	0.19	5.4	6.3	
STD DS8	Standard	7.3	1.9	102.0	0.21	5.5	5.3	
STD DS8	Standard	6.4	1.6	105.8	0.24	5.6	5.1	
STD OREAS45CA	Standard	0.4	0.2	34.3	0.03	<0.1	0.7	
STD OREAS45CA	Standard	0.2	0.3	40.2	0.03	<0.1	<0.5	
STD OREAS45CA	Standard	0.2	0.3	37.3	0.03	<0.1	<0.5	
STD OREAS45CA	Standard	0.1	0.3	38.7	0.02	<0.1	0.6	

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QUALITY CONTROL REPORT WHI11000778.1

		WGHT	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B
		Wgt	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1
STD SARM 71	Standard																				
STD SARM 72	Standard																				
STD SO-18	Standard		494	1	25.3	7.0	17.1	9.8	19.8	27.2	14	406.5	6.7	10.4	15.8	191	11.9	276.6	30.9	12.4	26.0
STD SO-18	Standard		491	<1	25.9	6.9	16.3	9.4	19.9	27.2	22	404.8	7.2	10.3	15.8	190	14.1	274.3	31.2	11.8	25.9
STD SO-18	Standard		513	<1	25.3	6.8	16.3	9.3	19.6	26.9	16	405.1	7.1	10.0	16.0	197	13.5	276.7	29.2	11.5	26.4
STD SO-18	Standard		515	<1	25.9	6.9	16.6	9.7	19.7	27.0	16	405.7	7.1	10.2	16.1	199	12.0	275.3	29.4	11.3	26.3
STD SO-18	Standard		528	2	27.3	7.3	17.6	9.7	20.5	28.2	15	409.3	7.2	10.6	16.2	209	13.6	295.4	31.3	12.2	27.3
STD SO-18	Standard		548	<1	27.9	7.5	18.0	9.2	21.2	28.9	16	414.9	7.2	10.5	16.6	208	14.2	299.4	31.1	12.3	28.0
STD SO-18	Standard		532	4	27.8	7.1	17.9	9.4	20.7	28.4	15	406.1	7.3	10.4	16.2	205	13.8	292.4	31.4	12.8	27.3
STD SO-18	Standard		515	2	27.1	7.2	18.0	9.4	21.6	28.7	15	403.0	7.6	10.2	16.4	206	14.1	289.8	31.7	12.7	27.0
STD SO-18 Expected			514	1	26.2	7.1	17.6	9.8	21.3	28.7	15	407.4	7.4	9.9	16.4	200	14.8	280	31	12.3	27.1
STD DS8 Expected																					
STD OREAS45CA Expected																					
BLK	Blank		<1	<1	<0.2	<0.1	<0.5	<0.1	0.1	<0.1	<1	<0.5	0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1
BLK	Blank		<1	<1	<0.2	<0.1	<0.5	<0.1	<0.1	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1
BLK	Blank		<1	<1	<0.2	<0.1	<0.5	<0.1	<0.1	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1
BLK	Blank																				
BLK	Blank		<1	<1	<0.2	<0.1	<0.5	<0.1	<0.1	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	3.4	<0.1	<0.1	<0.1
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
G1	Prep Blank		1163	4	4.2	4.1	17.6	4.1	24.2	129.2	<1	735.8	1.5	8.7	3.8	57	<0.5	135.1	17.1	27.0	54.2
G1	Prep Blank		1108	2	4.2	4.0	18.4	4.1	23.8	131.3	<1	752.1	1.5	9.8	3.6	56	<0.5	140.3	17.3	29.2	58.1

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QUALITY CONTROL REPORT WHI11000778.1

		4B Pr ppm 0.02	4B Nd ppm 0.3	4B Sm ppm 0.05	4B Eu ppm 0.02	4B Gd ppm 0.05	4B Tb ppm 0.01	4B Dy ppm 0.05	4B Ho ppm 0.02	4B Er ppm 0.03	4B Tm ppm 0.01	4B Yb ppm 0.05	4B Lu ppm 0.01	1DX Mo ppm 0.1	1DX Cu ppm 0.1	1DX Pb ppm 0.1	1DX Zn ppm 1	1DX Ni ppm 0.1	1DX As ppm 0.5	1DX Cd ppm 0.1	1DX Sb ppm 0.1
STD SARM 71	Standard																				
STD SARM 72	Standard																				
STD SO-18	Standard	3.37	13.4	2.94	0.92	2.95	0.52	3.14	0.62	1.86	0.27	1.81	0.29								
STD SO-18	Standard	3.37	14.5	2.85	0.92	2.85	0.50	3.01	0.64	1.87	0.28	1.75	0.25								
STD SO-18	Standard	3.20	12.9	2.78	0.85	2.76	0.48	2.90	0.62	1.69	0.27	1.69	0.25								
STD SO-18	Standard	3.17	13.1	2.82	0.85	2.83	0.48	3.05	0.56	1.75	0.27	1.80	0.26								
STD SO-18	Standard	3.45	15.4	3.04	0.87	3.08	0.50	2.99	0.63	1.80	0.28	1.92	0.28								
STD SO-18	Standard	3.41	14.2	3.03	0.86	3.01	0.50	3.10	0.62	1.82	0.28	1.86	0.27								
STD SO-18	Standard	3.40	14.1	2.81	0.89	2.91	0.50	2.89	0.62	1.81	0.28	1.88	0.27								
STD SO-18	Standard	3.57	14.6	3.04	0.93	3.06	0.54	3.30	0.68	2.03	0.30	1.87	0.31								
STD SO-18 Expected		3.45	14	3	0.89	2.93	0.53	3	0.62	1.84	0.27	1.79	0.27								
STD DS8 Expected														13.44	110	123	312	38.1	26	2.38	4.8
STD OREAS45CA Expected														1	494	20	60	240	3.8	0.1	0.13
BLK	Blank	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01								
BLK	Blank	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01								
BLK	Blank	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01								
BLK	Blank																				
BLK	Blank	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01								
BLK	Blank													<0.1	<0.1	<0.1	<1	<0.1	<0.5	<0.1	<0.1
BLK	Blank													<0.1	<0.1	<0.1	<1	<0.1	<0.5	<0.1	<0.1
BLK	Blank													<0.1	<0.1	<0.1	<1	<0.1	<0.5	<0.1	<0.1
BLK	Blank													<0.1	<0.1	<0.1	<1	<0.1	<0.5	<0.1	<0.1
Prep Wash																					
G1	Prep Blank	6.24	24.5	4.10	1.07	3.46	0.51	2.70	0.55	1.70	0.28	1.88	0.30	0.2	1.8	8.7	55	4.3	0.6	<0.1	<0.1
G1	Prep Blank	6.58	25.7	4.25	1.08	3.42	0.50	2.87	0.54	1.64	0.29	2.05	0.31	0.2	2.4	6.1	47	4.2	<0.5	<0.1	<0.1

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QUALITY CONTROL REPORT WHI11000778.1

		1DX Bi ppm 0.1	1DX Ag ppm 0.1	1DX Au ppb 0.5	1DX Hg ppm 0.01	1DX Tl ppm 0.1	1DX Se ppm 0.5	7PF Sn % 0.005
STD SARM 71	Standard							<0.005
STD SARM 72	Standard							<0.005
STD SO-18	Standard							
STD SO-18	Standard							
STD SO-18	Standard							
STD SO-18	Standard							
STD SO-18	Standard							
STD SO-18	Standard							
STD SO-18	Standard							
STD SO-18	Standard							
STD SO-18 Expected								
STD DS8 Expected		6.67	1.69	107	0.192	5.4	5.23	
STD OREAS45CA Expected		0.19	0.275	43	0.03	0.07	0.5	
BLK	Blank							
BLK	Blank							
BLK	Blank							
BLK	Blank							<0.005
BLK	Blank							
BLK	Blank	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5	
BLK	Blank	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5	
BLK	Blank	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5	
BLK	Blank	<0.1	<0.1	<0.5	<0.01	<0.1	<0.5	
Prep Wash								
G1	Prep Blank	<0.1	<0.1	<0.5	0.02	0.2	<0.5	
G1	Prep Blank	<0.1	<0.1	<0.5	0.01	0.2	<0.5	

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Client: **Aurora Geosciences Ltd. (Whitehorse)**
34A Laberge Road.
Whitehorse YT Y1A 5Y9 Canada

Submitted By: Mike Power
Receiving Lab: Canada-Whitehorse
Received: July 29, 2011
Report Date: September 26, 2011
Page: 1 of 3

CERTIFICATE OF ANALYSIS WHI11000777.1

CLIENT JOB INFORMATION

Project: Seagull Tin
Shipment ID: 2011-1
P.O. Number
Number of Samples: 56

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.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	56	Dry at 60C			WHI
SS80	56	Dry at 60C sieve 100g to -80 mesh			WHI
Soil Pulverize	56	Soil Pulverize			VAN
4B02	56	LiBO2/Li2B4O7 fusion ICP-MS analysis	0.2	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Aurora Geosciences Ltd. (Yellowknife)
3506 McDonald Drive
Yellowknife NT X1A 2H1
Canada

CC: Gord Clarke

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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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34A Laberge Road.
Whitehorse YT Y1A 5Y9 Canada

Project: Seagull Tin
Report Date: September 26, 2011

CERTIFICATE OF ANALYSIS WHI11000777.1

	Method	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B
	Analyte	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02
1	Soil	607	9	44.6	45.4	20.9	2.0	7.3	224.5	214	444.3	0.4	2.9	1.1	199	20.2	61.3	12.5	11.9	23.0	2.80
2	Soil	873	7	16.1	7.9	17.0	7.5	20.6	69.6	49	561.9	4.0	11.1	4.3	92	14.4	239.6	16.3	29.5	77.7	6.78
3	Soil	540	9	26.0	21.4	16.7	2.8	10.5	108.0	125	324.9	1.0	3.7	3.3	202	24.6	89.0	9.2	11.8	24.1	2.73
4	Soil	816	6	20.0	12.3	17.0	4.9	14.5	76.2	40	452.7	0.9	5.2	1.8	121	15.4	176.1	13.1	15.0	34.1	3.71
5	Soil	646	4	18.5	15.6	16.9	3.6	9.8	69.6	20	629.4	0.6	3.8	1.6	132	10.2	132.9	11.4	13.0	27.1	2.91
6	Soil	637	5	12.2	12.5	18.0	7.0	20.1	65.0	79	393.9	1.3	7.4	4.0	95	15.5	236.5	16.2	22.8	50.1	5.38
7	Soil	926	7	21.5	15.0	19.4	3.3	14.0	85.0	469	809.3	0.7	2.7	2.2	90	13.8	112.3	10.6	14.4	29.6	3.44
8	Soil	683	7	17.0	12.9	19.5	4.5	23.9	70.7	118	696.0	1.7	3.8	1.9	105	7.9	155.9	14.5	15.9	36.9	4.03
9	Soil	2556	8	23.0	15.1	16.2	11.2	28.7	136.3	100	799.2	1.6	61.4	4.3	97	9.6	378.0	17.8	58.4	142.5	17.16
10	Soil	985	4	18.2	12.1	18.8	5.0	17.6	89.7	361	771.0	1.3	9.3	2.6	81	5.7	177.0	13.6	20.2	50.2	5.05
11	Soil	1044	5	11.6	16.2	23.1	4.7	14.4	106.9	257	823.2	0.7	6.7	2.1	64	12.1	149.9	8.1	14.3	35.0	3.32
12	Soil	1037	4	13.9	14.2	18.9	4.4	11.7	90.6	427	644.6	0.7	4.0	2.1	66	5.2	135.6	8.5	12.9	29.2	3.04
13	Soil	1022	8	12.7	15.4	22.3	6.9	14.4	125.8	724	638.3	0.9	5.2	2.6	66	9.8	204.5	9.3	14.9	37.2	3.59
14	Soil	1044	8	10.2	20.8	26.8	6.1	16.6	160.0	847	725.8	0.9	5.5	4.1	61	15.5	183.0	10.5	17.4	41.8	4.06
15	Soil	927	7	12.6	28.2	29.3	4.5	14.3	174.1	1052	535.0	0.9	5.2	4.0	67	18.2	140.5	9.4	19.5	47.2	4.53
16	Soil	796	4	24.1	23.3	24.0	4.2	13.9	132.3	656	774.7	0.9	4.5	2.6	81	17.9	129.2	8.6	14.2	32.7	3.17
17	Soil	1294	7	8.6	22.8	29.2	5.1	15.7	185.9	249	578.2	0.8	4.5	2.8	66	18.0	157.7	6.7	12.6	34.4	2.74
18	Soil	1077	6	9.8	16.3	27.9	6.8	19.0	124.0	123	662.9	0.8	5.4	3.4	79	28.9	209.8	9.8	16.1	40.9	3.74
19	Soil	1218	12	14.3	22.3	28.9	4.5	11.3	213.5	100	582.4	0.5	3.4	2.2	82	17.9	134.0	8.0	11.9	28.9	2.87
20	Soil	1025	4	19.7	25.8	23.2	4.3	12.3	129.4	65	941.8	0.6	5.5	6.3	110	10.5	147.5	14.3	20.6	42.4	4.72
21	Soil	1222	5	18.3	22.0	23.7	4.2	11.4	104.4	55	1109	0.7	4.4	3.2	86	9.2	118.9	9.8	14.2	33.0	3.28
22	Soil	1176	5	20.5	16.9	22.0	5.2	14.8	99.1	77	988.6	0.9	5.3	3.3	69	5.7	162.0	9.7	15.0	37.1	3.28
24	Soil	1106	6	11.3	14.6	20.7	5.2	14.2	89.2	50	932.6	1.0	5.9	3.4	73	5.1	164.2	10.9	15.3	34.4	3.54
25	Soil	1024	5	17.1	12.7	20.4	3.4	12.1	85.2	32	1057	0.6	4.2	2.2	71	3.8	119.7	7.9	10.9	27.3	2.58
26	Soil	1277	5	11.8	12.1	22.7	5.0	13.4	88.4	49	1181	0.7	4.9	3.9	61	3.7	166.2	9.1	14.9	35.1	3.41
27	Soil	1101	5	13.7	19.3	23.3	4.3	11.2	100.6	44	975.8	0.7	5.0	5.0	78	5.5	146.0	9.5	15.6	35.5	3.61
28	Soil	982	6	17.5	20.2	23.1	3.9	11.0	79.2	32	1288	0.6	3.8	5.4	89	4.8	116.9	9.2	13.4	28.4	3.17
29	Soil	960	2	15.7	14.9	22.9	4.2	11.8	80.3	20	956.2	0.6	4.6	2.8	97	2.7	144.4	8.6	12.2	30.1	2.89
30	Soil	1074	3	11.6	12.5	21.0	5.4	14.8	76.6	21	872.3	0.8	5.4	3.7	91	3.0	176.5	10.8	15.4	36.0	3.66
31	Soil	843	4	22.5	15.2	24.6	3.8	10.6	67.2	16	823.5	0.4	4.4	4.9	111	2.1	111.9	9.5	17.6	30.2	3.97

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34A Laberge Road,
Whitehorse YT Y1A 5Y9 Canada

Project: Seagull Tin
Report Date: September 26, 2011

CERTIFICATE OF ANALYSIS WHI11000777.1

	Method	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb	Bi
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1	0.1
1	Soil	11.3	2.48	0.69	2.37	0.39	2.48	0.45	1.30	0.20	1.28	0.19	0.7	141.8	28.5	509	333.9	117.3	1.1	2.1	3.8
2	Soil	26.4	4.35	0.85	3.33	0.55	3.24	0.59	1.76	0.29	1.80	0.30	1.0	36.9	68.6	219	42.3	55.5	0.8	1.8	3.8
3	Soil	11.3	2.30	0.55	1.88	0.30	1.86	0.37	1.03	0.16	1.14	0.15	1.6	62.4	35.0	230	189.1	136.9	0.4	3.9	3.4
4	Soil	13.2	2.95	0.63	2.38	0.40	2.30	0.52	1.48	0.22	1.54	0.22	0.9	44.2	57.5	225	62.3	95.6	0.9	1.6	6.9
5	Soil	11.3	2.20	0.62	1.92	0.33	2.23	0.40	1.26	0.20	1.39	0.20	0.7	35.5	38.3	175	44.1	35.5	0.6	1.2	2.8
6	Soil	18.6	3.79	0.81	3.07	0.53	2.97	0.65	1.81	0.26	1.77	0.26	0.9	34.5	65.5	212	34.0	117.7	0.8	1.2	4.6
7	Soil	13.6	2.94	0.74	2.44	0.36	2.20	0.41	1.06	0.16	0.99	0.16	1.5	89.2	238.7	847	134.4	240.7	2.8	3.2	7.8
8	Soil	16.8	3.39	0.93	2.90	0.48	2.84	0.53	1.46	0.22	1.43	0.22	1.0	55.9	42.8	339	53.3	197.3	1.6	1.7	17.7
9	Soil	76.4	12.80	2.33	7.14	0.84	4.23	0.63	1.67	0.23	1.53	0.22	0.4	37.1	29.8	159	184.4	73.2	0.8	1.2	4.6
10	Soil	19.7	3.83	0.87	3.10	0.47	2.80	0.53	1.48	0.23	1.46	0.21	0.5	102.6	52.6	246	58.3	305.1	1.0	1.3	15.8
11	Soil	13.7	2.44	0.49	1.86	0.27	1.72	0.31	0.95	0.15	0.91	0.14	0.7	84.8	83.7	250	31.0	672.8	0.8	2.2	21.7
12	Soil	13.2	2.24	0.46	1.86	0.27	1.59	0.31	0.93	0.13	0.85	0.14	0.4	75.6	58.2	214	33.9	333.7	1.9	1.4	18.5
13	Soil	13.7	2.56	0.52	2.01	0.30	1.81	0.34	1.03	0.16	1.14	0.17	0.5	156.5	71.4	247	33.2	554.8	1.2	1.7	27.0
14	Soil	17.0	3.06	0.69	2.45	0.37	2.05	0.37	1.14	0.18	1.08	0.17	0.8	285.1	193.3	365	27.2	1050	1.2	2.5	57.1
15	Soil	17.7	3.30	0.74	2.57	0.36	2.00	0.31	1.04	0.15	0.95	0.15	1.0	493.1	159.0	582	35.8	1310	2.4	3.4	73.9
16	Soil	12.7	2.38	0.59	1.97	0.28	1.71	0.31	0.96	0.14	0.99	0.14	0.7	172.1	48.3	285	102.9	720.3	1.3	1.9	23.4
17	Soil	10.6	2.01	0.46	1.50	0.23	1.32	0.26	0.80	0.13	0.73	0.12	0.8	72.5	103.4	577	10.7	94.9	1.3	1.2	16.8
18	Soil	15.0	2.84	0.65	2.21	0.31	2.01	0.40	1.20	0.17	1.19	0.19	1.1	27.5	218.1	424	30.8	161.2	1.1	2.2	9.8
19	Soil	11.0	2.25	0.63	1.90	0.28	1.59	0.30	0.90	0.13	0.83	0.13	0.7	30.8	128.7	308	48.4	116.0	1.4	1.3	5.0
20	Soil	18.8	3.69	0.89	3.24	0.48	2.70	0.57	1.53	0.23	1.63	0.23	0.8	37.6	63.3	334	73.3	63.6	1.0	1.5	4.1
21	Soil	12.4	2.56	0.66	2.15	0.33	2.06	0.37	1.11	0.16	1.04	0.16	0.9	40.3	71.8	304	55.3	61.6	1.1	1.9	6.8
22	Soil	13.1	2.42	0.55	2.10	0.31	1.91	0.35	1.08	0.17	0.96	0.16	1.0	34.2	64.0	222	75.7	43.6	0.7	1.6	7.1
24	Soil	13.3	2.69	0.59	2.19	0.35	2.14	0.43	1.27	0.19	1.24	0.19	0.9	18.9	55.8	216	27.8	33.8	0.7	1.4	5.7
25	Soil	9.7	1.86	0.46	1.54	0.25	1.50	0.28	0.86	0.13	0.87	0.13	1.0	25.2	71.2	245	33.1	46.9	1.1	1.6	5.5
26	Soil	13.8	2.52	0.60	2.10	0.32	2.00	0.36	1.04	0.15	0.97	0.15	1.5	17.4	64.0	320	29.0	31.7	1.0	1.4	8.1
27	Soil	14.5	2.68	0.70	2.25	0.35	2.08	0.36	1.03	0.16	1.06	0.16	0.9	19.9	102.7	341	44.7	40.7	0.9	2.0	7.5
28	Soil	13.0	2.49	0.68	2.16	0.31	1.84	0.35	1.01	0.16	0.99	0.16	0.7	29.1	155.2	389	60.3	45.4	1.3	2.4	4.4
29	Soil	11.1	2.04	0.50	1.68	0.28	1.68	0.33	0.99	0.15	0.83	0.14	0.9	18.1	151.9	317	47.2	57.3	1.4	1.5	4.0
30	Soil	13.0	2.69	0.56	2.26	0.36	2.04	0.42	1.24	0.17	1.02	0.18	0.6	16.3	58.0	191	28.3	41.1	0.5	0.9	2.8
31	Soil	17.3	3.11	0.74	2.61	0.35	1.79	0.37	0.99	0.14	0.84	0.15	0.5	40.4	78.5	342	97.0	71.9	1.2	1.3	2.5

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Project: Seagull Tin
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CERTIFICATE OF ANALYSIS WHI11000777.1

	Method	1DX	1DX	1DX	1DX	1DX
	Analyte	Ag	Au	Hg	Tl	Se
	Unit	ppm	ppb	ppm	ppm	ppm
	MDL	0.1	0.5	0.01	0.1	0.5
1	Soil	0.8	5.5	0.04	3.2	<0.5
2	Soil	0.1	34.7	0.03	0.3	<0.5
3	Soil	0.3	6.2	0.07	1.5	0.5
4	Soil	<0.1	18.7	0.04	0.5	0.6
5	Soil	0.1	8.4	0.05	0.6	<0.5
6	Soil	0.3	4.3	0.04	0.3	1.2
7	Soil	1.3	23.5	0.04	0.9	<0.5
8	Soil	0.2	4.7	0.04	0.6	<0.5
9	Soil	0.2	0.5	0.07	0.5	<0.5
10	Soil	0.4	5.3	0.03	0.4	<0.5
11	Soil	0.4	7.1	0.06	0.4	0.9
12	Soil	0.6	2.6	0.09	0.5	<0.5
13	Soil	0.7	207.8	0.05	0.5	0.7
14	Soil	1.7	7.3	0.05	0.8	0.9
15	Soil	4.0	13.2	0.03	0.6	1.4
16	Soil	0.8	6.3	0.03	0.6	1.1
17	Soil	1.3	1.3	0.04	0.4	<0.5
18	Soil	0.8	8.3	0.05	0.5	<0.5
19	Soil	0.7	3.0	0.03	0.4	<0.5
20	Soil	0.7	22.1	0.05	0.8	<0.5
21	Soil	0.7	6.2	0.05	0.5	<0.5
22	Soil	0.8	1.6	0.05	0.4	<0.5
24	Soil	0.6	4.1	0.06	0.3	<0.5
25	Soil	0.3	4.7	0.04	0.2	0.5
26	Soil	0.7	16.2	0.06	0.2	<0.5
27	Soil	1.4	9.1	0.05	0.4	<0.5
28	Soil	0.9	7.8	0.06	0.3	1.1
29	Soil	0.7	10.0	0.04	0.2	<0.5
30	Soil	0.3	2.3	0.05	0.2	<0.5
31	Soil	0.6	5.3	0.11	0.4	0.9

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Project: Seagull Tin
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CERTIFICATE OF ANALYSIS WHI11000777.1

	Method	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B
	Analyte	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02
32	Soil	1034	2	5.2	6.9	17.1	3.3	9.5	61.1	9	727.9	0.4	3.2	3.0	53	0.9	102.5	5.7	10.6	20.5	2.25
33	Soil	1376	4	12.9	20.3	27.1	3.9	11.3	102.2	47	1087	0.5	3.7	3.6	95	8.7	122.4	6.8	14.3	30.9	3.37
100	Soil	792	2	7.2	7.7	16.6	7.1	17.7	65.4	26	496.8	1.4	8.5	2.8	105	7.2	229.0	14.0	23.3	49.7	5.25
101	Soil	872	6	30.8	21.0	17.6	3.8	15.1	160.0	163	713.9	0.7	3.0	1.6	158	62.3	118.4	9.9	15.0	30.7	3.13
102	Soil	831	2	11.8	16.4	16.1	3.3	14.1	90.3	277	780.5	0.8	3.2	1.5	84	5.2	127.5	8.8	11.9	28.1	2.84
103	Soil	688	6	19.2	25.3	18.5	3.8	21.3	122.9	119	570.6	1.7	3.8	2.0	162	10.3	134.5	9.6	14.5	31.1	3.36
104	Soil	992	4	16.5	13.0	18.3	5.4	15.5	73.4	181	791.6	1.0	10.4	3.0	111	6.1	177.8	12.8	20.3	45.3	5.00
105	Soil	890	5	16.1	19.3	22.5	5.0	13.4	99.0	399	652.0	0.9	7.6	4.2	87	8.8	165.5	11.1	20.8	43.0	4.71
106	Soil	1073	6	13.1	16.4	23.1	6.6	16.2	116.3	429	706.1	0.9	6.9	2.9	83	12.8	221.7	12.3	20.1	44.6	4.66
107	Soil	1069	4	12.8	14.2	20.5	5.1	12.9	105.0	413	832.8	0.7	4.5	2.7	83	20.1	160.7	9.8	12.4	29.4	2.98
108	Soil	1020	5	11.2	15.8	23.3	5.1	15.2	123.9	909	690.3	0.9	6.1	3.9	72	12.0	176.5	10.3	19.0	41.6	4.52
109	Soil	1060	7	12.3	15.5	23.7	5.8	14.4	136.3	1238	642.6	0.9	5.1	3.2	67	16.3	169.5	8.7	17.2	39.2	4.03
110	Soil	984	3	15.1	12.7	19.4	4.0	11.2	104.5	1387	621.2	0.6	4.2	2.9	62	94.2	124.4	7.0	11.8	30.4	2.60
111	Soil	1025	7	18.9	18.5	23.2	4.6	11.6	125.5	178	664.2	0.6	3.8	3.0	99	14.3	134.7	9.4	14.9	30.6	3.41
112	Soil	1333	6	7.8	11.8	26.3	5.4	16.2	133.3	186	768.2	0.5	4.4	3.6	67	15.9	169.3	7.4	14.8	35.4	3.41
113	Soil	1363	8	10.3	19.2	27.1	4.1	13.7	148.6	118	657.8	0.6	3.8	2.0	73	12.8	126.8	6.5	10.3	27.3	2.27
114	Soil	1411	7	13.9	16.6	25.4	4.0	11.3	132.0	163	911.7	0.6	3.2	5.5	81	10.4	125.5	8.5	12.8	28.1	2.95
115	Soil	1497	5	12.9	14.1	24.3	5.1	13.0	83.9	53	1742	0.6	5.1	3.4	75	9.9	155.3	7.3	12.3	28.4	2.86
116	Soil	1123	4	20.1	15.0	21.1	4.4	12.1	95.1	130	1016	0.7	5.4	3.9	85	5.8	149.2	10.7	18.5	37.2	4.08
117	Soil	937	5	15.2	19.9	21.9	3.1	8.9	89.2	40	1056	0.5	4.2	3.3	99	6.7	104.4	7.7	10.6	27.3	2.54
118	Soil	1016	4	9.9	12.6	19.1	3.8	10.9	75.7	31	905.2	0.7	4.5	2.7	63	3.9	128.7	7.9	14.0	30.7	3.10
119	Soil	1144	4	14.2	12.5	21.8	3.4	10.6	88.2	50	1146	0.4	2.3	3.0	60	4.8	109.2	5.1	8.8	18.2	1.92
120	Soil	1069	2	11.2	15.8	20.9	3.6	10.4	83.6	32	856.0	0.7	4.2	2.6	72	3.5	120.4	6.8	11.4	26.9	2.70
121	Soil	1108	4	15.8	12.8	20.1	3.5	10.5	73.9	22	1218	0.5	2.4	2.5	80	3.0	117.8	7.2	9.5	20.5	2.23
122	Soil	1048	4	11.5	12.9	21.0	4.5	12.2	78.0	24	1156	0.7	3.5	4.1	68	2.9	145.0	8.5	12.7	27.0	2.94
123	Soil	1032	4	12.6	12.5	22.2	4.3	11.4	83.9	18	1032	0.5	4.3	3.4	68	2.6	141.5	7.5	11.6	26.9	2.68

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Project: Seagull Tin
Report Date: September 26, 2011

CERTIFICATE OF ANALYSIS WHI11000777.1

	Method	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb	Bi
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1	0.1
32	Soil	8.3	1.61	0.39	1.43	0.21	1.22	0.23	0.54	0.10	0.63	0.10	0.9	14.0	56.6	118	15.0	11.9	0.3	0.6	4.3
33	Soil	13.0	2.44	0.59	1.96	0.28	1.32	0.26	0.63	0.11	0.66	0.11	0.7	52.2	80.9	388	39.7	150.1	0.8	1.6	6.3
100	Soil	21.6	3.32	0.63	2.70	0.46	2.93	0.55	1.64	0.28	1.75	0.27	1.0	17.9	41.4	108	18.2	58.6	1.5	0.8	3.7
101	Soil	12.3	2.29	0.59	2.11	0.35	1.96	0.41	1.01	0.16	1.06	0.16	0.7	56.5	130.0	512	148.0	255.9	2.6	2.0	7.4
102	Soil	10.7	2.18	0.52	1.87	0.31	1.80	0.34	0.90	0.14	0.86	0.14	1.2	31.4	82.1	265	28.7	113.1	4.0	1.8	9.8
103	Soil	13.5	2.45	0.62	2.17	0.36	1.96	0.37	1.13	0.17	1.07	0.17	1.5	72.4	93.4	470	98.7	168.7	1.3	1.9	9.1
104	Soil	20.2	3.82	0.83	2.92	0.45	2.35	0.47	1.40	0.19	1.34	0.20	0.7	64.5	42.3	181	63.3	218.1	0.5	0.9	12.8
105	Soil	18.5	3.52	0.77	2.66	0.41	2.47	0.42	1.30	0.19	1.19	0.18	0.6	124.4	189.1	463	60.5	692.6	2.1	1.4	23.7
106	Soil	17.4	3.24	0.67	2.79	0.42	2.44	0.47	1.32	0.21	1.41	0.22	0.5	91.5	55.2	227	44.5	473.0	0.9	0.9	16.4
107	Soil	12.3	2.25	0.48	1.96	0.32	1.93	0.38	1.13	0.18	1.15	0.18	0.4	117.4	78.7	264	52.6	411.2	0.7	1.0	24.3
108	Soil	17.3	3.21	0.64	2.59	0.39	1.97	0.37	1.23	0.17	1.06	0.17	0.6	201.0	67.5	251	24.7	693.0	0.8	1.2	31.1
109	Soil	15.4	2.71	0.45	2.23	0.32	1.68	0.34	0.92	0.15	1.17	0.15	0.7	247.8	61.6	260	29.5	956.4	1.2	1.8	45.2
110	Soil	11.0	1.97	0.37	1.78	0.24	1.48	0.24	0.78	0.14	0.92	0.14	0.6	155.5	44.8	210	28.3	787.6	1.0	1.1	30.9
111	Soil	13.0	2.36	0.61	2.07	0.31	1.71	0.35	1.01	0.15	0.87	0.14	0.6	129.3	71.5	368	46.6	108.8	1.2	0.9	14.7
112	Soil	13.9	2.35	0.53	1.89	0.26	1.56	0.29	0.75	0.13	0.97	0.13	0.7	28.8	98.5	330	20.9	90.7	0.9	1.0	11.0
113	Soil	9.4	1.61	0.37	1.41	0.20	1.05	0.21	0.62	0.11	0.73	0.11	1.0	22.9	95.5	401	32.4	93.9	0.9	0.6	7.0
114	Soil	11.9	2.30	0.54	1.93	0.28	1.65	0.31	0.87	0.14	1.06	0.13	1.5	54.4	945.7	1087	44.9	81.9	3.1	1.5	14.9
115	Soil	12.2	2.29	0.54	1.85	0.27	1.44	0.30	0.84	0.13	0.94	0.14	0.7	28.0	141.0	565	45.5	41.9	1.3	0.9	5.3
116	Soil	16.2	2.92	0.61	2.29	0.37	2.14	0.41	1.10	0.16	1.29	0.18	0.8	34.8	55.7	206	77.5	36.3	1.0	1.0	6.1
117	Soil	10.1	1.90	0.51	1.82	0.26	1.55	0.29	0.81	0.11	0.92	0.11	1.2	30.2	46.6	251	44.7	27.8	0.8	0.9	3.8
118	Soil	11.8	2.14	0.48	1.64	0.25	1.46	0.29	0.87	0.12	0.82	0.13	0.8	15.4	54.0	182	27.2	24.4	1.1	1.0	7.8
119	Soil	7.7	1.33	0.31	1.28	0.18	0.82	0.18	0.55	0.07	0.60	0.08	0.6	34.9	88.9	404	49.8	71.6	1.8	1.5	4.5
120	Soil	10.1	2.02	0.38	1.59	0.24	1.45	0.25	0.86	0.13	0.86	0.15	1.8	16.0	88.5	267	31.1	39.1	1.1	1.0	4.5
121	Soil	8.4	1.72	0.41	1.53	0.24	1.42	0.28	0.78	0.12	0.70	0.11	0.7	25.3	90.9	281	59.5	31.5	1.0	1.4	2.9
122	Soil	11.2	2.28	0.53	1.86	0.28	1.52	0.35	0.88	0.12	0.86	0.14	0.6	18.2	95.8	229	36.9	31.2	0.6	0.8	3.6
123	Soil	11.9	2.12	0.41	1.83	0.26	1.55	0.28	0.91	0.13	0.91	0.13	0.6	20.0	129.2	266	41.3	54.2	0.9	1.1	4.4

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Project: Seagull Tin
Report Date: September 26, 2011

CERTIFICATE OF ANALYSIS

WHI11000777.1

Method		1DX	1DX	1DX	1DX	1DX
Analyte		Ag	Au	Hg	Tl	Se
Unit		ppm	ppb	ppm	ppm	ppm
MDL		0.1	0.5	0.01	0.1	0.5
32	Soil	0.2	4.8	0.11	0.1	<0.5
33	Soil	0.7	7.8	0.05	0.4	0.5
100	Soil	0.3	1.5	0.07	0.2	0.9
101	Soil	0.3	3.6	0.03	1.5	<0.5
102	Soil	0.5	3.9	0.11	0.4	<0.5
103	Soil	0.9	3.5	0.05	1.4	0.8
104	Soil	0.2	2.1	0.05	0.4	<0.5
105	Soil	3.0	12.5	0.06	0.6	<0.5
106	Soil	0.6	58.9	0.03	0.8	<0.5
107	Soil	0.9	1.2	0.03	0.6	<0.5
108	Soil	1.0	3.6	0.03	0.5	<0.5
109	Soil	1.1	19.6	0.04	0.5	0.6
110	Soil	0.6	1.9	0.07	0.3	<0.5
111	Soil	1.9	13.2	0.03	0.7	<0.5
112	Soil	0.9	1.2	0.02	0.4	<0.5
113	Soil	0.6	1.3	0.03	0.4	<0.5
114	Soil	4.0	<0.5	0.03	0.5	<0.5
115	Soil	0.9	18.4	0.04	0.4	<0.5
116	Soil	1.0	<0.5	0.04	0.5	<0.5
117	Soil	0.4	<0.5	0.04	0.4	<0.5
118	Soil	0.5	3.3	0.06	0.2	<0.5
119	Soil	0.8	2.3	0.04	0.3	<0.5
120	Soil	0.4	5.6	0.10	0.2	1.0
121	Soil	0.6	4.5	0.04	0.3	<0.5
122	Soil	0.7	37.1	0.07	0.3	0.8
123	Soil	1.3	4.5	0.04	0.2	0.7

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Project: Seagull Tin
Report Date: September 26, 2011

QUALITY CONTROL REPORT WHI11000777.1

	Method	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B
	Analyte	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	1	1	0.2	0.1	0.5	0.1	0.1	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02
Pulp Duplicates																					
22	Soil	1176	5	20.5	16.9	22.0	5.2	14.8	99.1	77	988.6	0.9	5.3	3.3	69	5.7	162.0	9.7	15.0	37.1	3.28
REP 22	QC																				
116	Soil	1123	4	20.1	15.0	21.1	4.4	12.1	95.1	130	1016	0.7	5.4	3.9	85	5.8	149.2	10.7	18.5	37.2	4.08
REP 116	QC																				
117	Soil	937	5	15.2	19.9	21.9	3.1	8.9	89.2	40	1056	0.5	4.2	3.3	99	6.7	104.4	7.7	10.6	27.3	2.54
REP 117	QC	962	6	15.1	19.4	21.3	3.3	8.9	87.7	37	1021	0.5	3.8	2.8	99	7.0	103.3	7.8	11.3	27.3	2.61
Reference Materials																					
STD DS8	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				
STD OREAS45CA	Standard																				
STD SO-18	Standard	495	2	25.4	6.7	17.1	8.8	19.1	27.7	16	389.7	7.2	9.9	16.0	197	13.6	278.9	29.7	11.7	26.2	3.20
STD SO-18	Standard	499	<1	25.8	6.7	16.6	9.4	19.8	27.2	15	394.3	7.1	10.5	16.0	197	13.3	279.9	29.1	11.9	26.1	3.21
STD SO-18	Standard	482	1	24.4	6.5	16.8	9.4	19.0	26.8	14	376.1	6.7	9.6	15.2	166	14.2	272.3	29.1	11.9	25.9	3.21
STD SO-18	Standard	522	2	26.5	7.0	17.8	9.8	21.1	28.7	15	415.3	7.4	10.5	15.9	189	15.1	295.5	31.2	12.2	27.4	3.42
STD SO-18 Expected		514	1	26.2	7.1	17.6	9.8	21.3	28.7	15	407.4	7.4	9.9	16.4	200	14.8	280	31	12.3	27.1	3.45
STD DS8 Expected																					
STD OREAS45CA Expected																					
BLK	Blank	<1	<1	<0.2	<0.1	<0.5	<0.1	<0.1	<0.1	<1	2.5	<0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	0.6	<0.1	<0.02
BLK	Blank	<1	<1	<0.2	<0.1	<0.5	<0.1	<0.1	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	0.4	<0.1	<0.02
BLK	Blank																				
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Project: Seagull Tin
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QUALITY CONTROL REPORT WHI11000777.1

	Method	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb	Bi
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.3	0.05	0.02	0.05	0.01	0.05	0.02	0.03	0.01	0.05	0.01	0.1	0.1	0.1	1	0.1	0.5	0.1	0.1	0.1
Pulp Duplicates																					
22	Soil	13.1	2.42	0.55	2.10	0.31	1.91	0.35	1.08	0.17	0.96	0.16	1.0	34.2	64.0	222	75.7	43.6	0.7	1.6	7.1
REP 22	QC												1.1	33.3	61.7	226	73.6	45.7	0.6	1.6	8.3
116	Soil	16.2	2.92	0.61	2.29	0.37	2.14	0.41	1.10	0.16	1.29	0.18	0.8	34.8	55.7	206	77.5	36.3	1.0	1.0	6.1
REP 116	QC												0.8	34.2	52.7	203	77.3	34.8	0.9	1.0	5.5
117	Soil	10.1	1.90	0.51	1.82	0.26	1.55	0.29	0.81	0.11	0.92	0.11	1.2	30.2	46.6	251	44.7	27.8	0.8	0.9	3.8
REP 117	QC	9.3	2.05	0.47	1.87	0.28	1.72	0.29	0.76	0.13	0.92	0.14									
Reference Materials																					
STD DS8	Standard												12.5	108.9	131.0	319	38.6	24.8	2.1	3.6	6.2
STD DS8	Standard												14.3	113.5	132.8	323	39.7	24.5	2.2	3.5	6.9
STD DS8	Standard												12.6	117.0	127.1	329	38.4	28.8	2.3	5.8	6.6
STD OREAS45CA	Standard												0.6	491.6	20.4	55	227.1	3.0	<0.1	<0.1	0.2
STD OREAS45CA	Standard												0.7	499.5	20.0	62	246.0	3.3	<0.1	<0.1	0.2
STD OREAS45CA	Standard												0.8	501.0	19.3	61	231.3	4.0	0.2	0.2	<0.1
STD SO-18	Standard	13.2	2.78	0.84	2.90	0.46	2.82	0.59	1.79	0.27	1.68	0.26									
STD SO-18	Standard	13.3	2.82	0.85	2.80	0.47	2.80	0.57	1.74	0.26	1.63	0.25									
STD SO-18	Standard	12.5	2.80	0.86	2.83	0.48	2.99	0.59	1.85	0.27	1.72	0.27									
STD SO-18	Standard	14.0	3.11	0.89	2.93	0.50	2.99	0.64	1.79	0.29	1.84	0.28									
STD SO-18 Expected		14	3	0.89	2.93	0.53	3	0.62	1.84	0.27	1.79	0.27									
STD DS8 Expected													13.44	110	123	312	38.1	26	2.38	4.8	6.67
STD OREAS45CA Expected													1	494	20	60	240	3.8	0.1	0.13	0.19
BLK	Blank	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01									
BLK	Blank	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02	<0.03	<0.01	<0.05	<0.01									
BLK	Blank												<0.1	<0.1	<0.1	<1	<0.1	<0.5	<0.1	<0.1	<0.1
BLK	Blank												<0.1	<0.1	<0.1	<1	<0.1	<0.5	<0.1	<0.1	<0.1
BLK	Blank												<0.1	<0.1	<0.1	<1	<0.1	<0.5	<0.1	<0.1	<0.1

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Project: Seagull Tin
Report Date: September 26, 2011

QUALITY CONTROL REPORT WHI11000777.1

	Method	1DX	1DX	1DX	1DX	1DX
	Analyte	Ag	Au	Hg	Tl	Se
	Unit	ppm	ppb	ppm	ppm	ppm
	MDL	0.1	0.5	0.01	0.1	0.5
Pulp Duplicates						
22	Soil	0.8	1.6	0.05	0.4	<0.5
REP 22	QC	0.7	3.0	0.03	0.3	<0.5
116	Soil	1.0	<0.5	0.04	0.5	<0.5
REP 116	QC	0.9	<0.5	0.04	0.5	<0.5
117	Soil	0.4	<0.5	0.04	0.4	<0.5
REP 117	QC					
Reference Materials						
STD DS8	Standard	2.0	167.5	0.21	5.2	6.7
STD DS8	Standard	1.9	103.4	0.21	6.0	5.5
STD DS8	Standard	1.8	99.9	0.21	5.7	5.3
STD OREAS45CA	Standard	0.2	34.7	0.02	<0.1	<0.5
STD OREAS45CA	Standard	0.3	34.5	0.02	0.1	<0.5
STD OREAS45CA	Standard	0.2	40.9	0.03	<0.1	0.9
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18	Standard					
STD SO-18 Expected						
STD DS8 Expected		1.69	107	0.192	5.4	5.23
STD OREAS45CA Expected		0.275	43	0.03	0.07	0.5
BLK	Blank					
BLK	Blank					
BLK	Blank	<0.1	<0.5	<0.01	<0.1	<0.5
BLK	Blank	<0.1	<0.5	<0.01	<0.1	<0.5
BLK	Blank	<0.1	<0.5	<0.01	<0.1	<0.5