

**2011 EXPLORATION PROGRAM  
on the LITTLE HYLAND PROJECT,  
TUNGSTEN AREA, YUKON TERRITORY**

On Quartz Claims

<b>Grant #</b>	<b>Claim Name</b>
YD29584 – YD29613	Rubus 9 - 38
YD29642 – YD29655	Rubus 47 - 60
YE48003 – YE48008	Zanzibar 7 - 12
YC92593 – YC93596	RED BLUFF 1 - 4

Report By:

Gary Lee, P.Eng

Whitehorse, Yukon

Location: 62° 00' N, 128° 30' W  
NTS: 105H15, 16, 105I01, 02  
Mining District: Watson Lake, Yukon  
Date: January, 2012

## SUMMARY

The Little Hyland Project is located approximately 205 kilometres north of the community of Watson Lake and 10 kilometres west of the mining community of Tungsten in the Northwest Territories. The property is within the Little Hyland River Valley in the Watson Lake Mining District, in southeast Yukon. The property consists of 54 quartz mining claims that are variably co-owned by Mr. Gary Lee, Mr. Robert Scott, and Mr Ron Stack.

The property is primarily a precious metals target with gold and lesser silver, in quartz veins. It also contains arsenopyrite-pyrite, +/-chalcopyrite, +/- galena+/- sphalerite mineralization.

Between August 3 and August 24, 2011, Gary Lee conducted an exploration program with a focus on precious metal mineralization and precious metals bearing structures. The 2011 program consisted of the collection of 8 rock samples, 98 soil samples and 5 stream sediment samples. As well, 2,660 m of grid was established and surveyed for VLF-EM.

The 2011 work resulted in the identification of a region with significant arsenic and gold values at the north end of the Rubus claim block.

Work on the Culvert claims in 2009 identified gold in the phyllites which was postulated to represent a mesothermal gold-quartz vein style occurrence. Also known as shear-hosted gold, this deposit type occurs in any of a variety of greenschist-grade rocks, and occurs in proximity to steep faults or sutures of ancient continental margin collision zones. Gold, pyrite, and arsenopyrite are essential minerals of this deposit type occurring chiefly in quartz veins deposited within faults and joint systems. In the process of vein emplacement, wallrock is silicified, pyritized and/or sericitized inside a broad halo of carbonitization.

Detailed work in 2011 on the Rubus claims returned significant gold values associated with massive arsenopyrite and quartz-pyrite-arsenopyrite veining. In 2010, work on the Rubus area returned abundant arsenic-in stream sediment anomalies far to the northern end of the property. This extends the mineralized trend from the southern edge of the Culvert claims through the property to the northern part of the Rubus claims, a distance of 15 kilometres. An aerial magnetic survey indicates this trend extends further north and west.

The arsenic and gold stream sediment anomalies and mineralization in rock samples is, in general proximal to the March Fault and/or proximal to the contact between the Vampire Formation and Narchilla Formation of the Hyland Group.

A follow-up program consisting of geologic mapping, prospecting, soil sampling, infilling and expanding on VLF-EM and magnetic surveys and trenching is recommended. This would be followed by diamond drilling should the results warrant.

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## 1.0 INTRODUCTION

The Little Hyland Project is located approximately 205 kilometres north of the community of Watson Lake and 10 kilometres west of the mining community of Tungsten in the Northwest Territories. The property is within the Little Hyland River Valley in the Watson Lake Mining District, in southeast Yukon.

The property consists of quartz mining claims that are variably co-owned by Mr. Gary Lee, Mr. Robert Scott, and Mr Ron Stack (Zanzibar and Red Bluff claims), all of Whitehorse, Yukon. The property is primarily a precious metals target with gold and lesser silver, in quartz veins. It also contains arsenopyrite-pyrite, +/-chalcopyrite, +/-galena+/- sphalerite mineralization and numerous gold and arsenic anomalies mainly in soils. Mineralization consisting of gold, arsenic, lead and copper occurs in quartz veins and enveloping country rock. The quartz veins are hosted in grey-green phyllites, presumed to be of the Vampire Group volcano-sedimentary package of rocks. Quartz pebble conglomerate float has also been encountered.

Exploration work in 2009 focused on the Culvert Claims, while work in 2010 focused primarily on the Rubus, Sheer, LH and Swag claims. Between August 3 and August 24, 2011, Gary Lee conducted a reconnaissance exploration program on the north end of the Rubus claims and on the Zanzibar and Red Bluff claims with a focus on precious metal mineralization and precious metals bearing structures. The 2011 program consisted of the collection of 8 rock samples, 98 soil samples and 5 stream sediment samples. As well, 2,660 m of grid was established and surveyed for VLF-EM.

This assessment report summarizes the known geology, mineralization, and exploration potential for a contiguous set of mineral claims known as the Little Hyland Project. All information was supplied by Mr. Lee. Original analytical certificates used in the report were provided by ALS Chemex. Other information used in the preparation of the report includes government publications and assessment reports in the public domain. The author of this report, Gary Lee, is a co-owner of the claims.

## 2.0 PROPERTY LOCATION and ACCESS

The Little Hyland Project is located approximately 205 kilometres north of the community of Watson Lake (Figure 1) and 10 kilometres west of the mining community of Tungsten in the Northwest Territories. The property is centred at 62° 00' N latitude and 128° 30' W longitude on NTS map sheets 105H15, 16, 105I01 and 02 in the Little Hyland River valley.

The property is most easily accessed via the all-season, gravel surface, Nahanni Range Road from kilometre 110 of the Robert Campbell Highway. The property straddles the Nahanni Range Road, and at kilometre 165, an ATV trail leaves the road to gain access to the southeastern portion of the property. The Howards' Pass winter trail runs along the southwestern margin of the Rubus claims and provides ATV access in this region. A temporary exploration camp was situated in the central part of the property on the LH 37 claim.

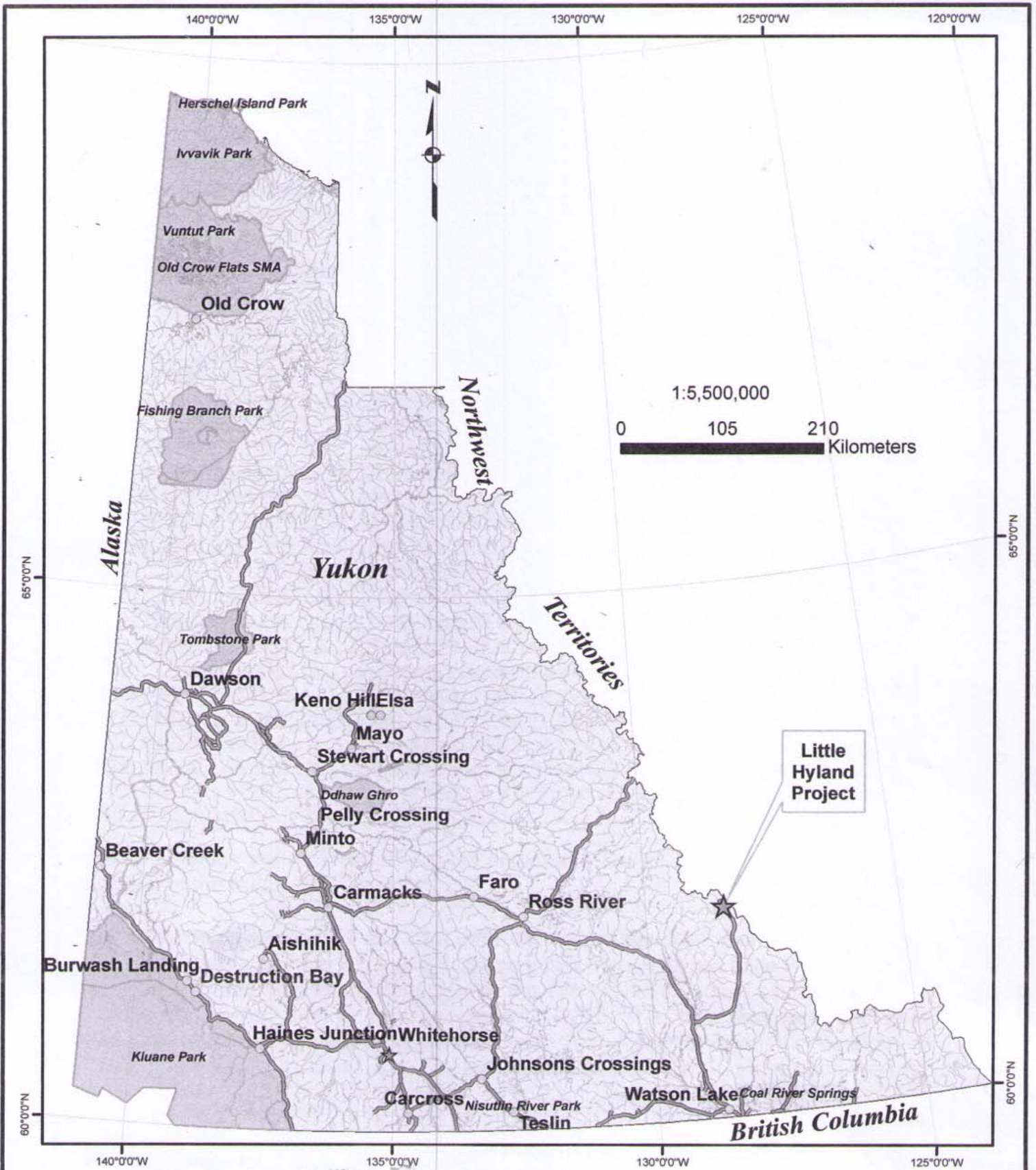
The nearest community is Watson Lake, which has a population of approximately 1,200 people and lies on Highway 3 (Alaska Highway). Watson Lake is the main supply centre for the region.

## 3.0 CLAIM INFORMATION

The property consists of unsurveyed quartz claims staked in accordance with the Yukon Quartz Mining Act in the Watson Lake Mining District. Claim ownership is variable and as listed in Table 2. Claim details are listed in the Table 1, below, and are shown in Figure 2.

**Table 1: Claim Information**

Grant #	Claim Name	Claim Ownership	ExpiryDate
YD29584 – YD29613	Rubus 9 - 38	Gary Lee - 50%, Robert R. Scott - 50%	10/05/2014
YD29642 – YD29655	Rubus 47 - 60	Gary Lee - 50%, Robert R. Scott - 50%	10/05/2014
YE48003 – YE48008	Zanzibar 7 - 12	Ron Stack – 33.33%, Gary Lee – 33.33%, Robert R. Scott – 33.33%	26/04/2012
YC93593 – YC93596	Red Bluff 1 - 4	Ron Stack – 33.33%, Gary Lee – 33.33%, Robert R. Scott – 33.33%	28/03/2016



GARY LEE  
 LITTLE HYLAND PROJECT, YUKON

Figure 1. Property Location Map *Page 3*

December 14, 2010

CASSELMAN GEOLOGICAL SERVICES LTD.

#### **4.0 PHYSIOGRAPHY, VEGETATION and CLIMATE**

The property is located in the Logan Mountains of the eastern Yukon. The topography in the area is broad, U-shaped valleys between steep mountains. Elevations on the property range from 1200 to 1750 metres above sea level. The lower elevations are covered with spruce and pine forests grading upwards to willows, dwarf birch, grasses, moss and lichens. Steeper slopes are covered by talus and felsenmeer.

The area receives generally high annual precipitation (approximately 450 millimetres) as compared to the Yukon average. Snow generally begins accumulating in alpine areas in late September, while the snow pack starts to recede in late April to early May, allowing fieldwork to commence at lower elevations in mid-May. Temperatures range from +30°, in the summer months, to -50° Celsius, in the winter months.

#### **5.0 EXPLORATION HISTORY**

The region has a long history of exploration beginning with the discovery of the Tungsten Mine in 1954 and the initiation of production in 1962. The Little Hyland Project Area, however, does not have a considerable documented history of exploration, prior to the activities of Mr. Lee and Mr. Scott.

The Yukon Minfile (DIAND, 2002) lists one mineral occurrence within 5 km of the property; the Ricardo Showing. It occurs approximately 3 km south of the project area and is described as an unmineralized ferricrete gossan occurring within an area underlain by Cretaceous granodiorite that intrudes Cambrian slates and phyllites. The gossan was originally staked by Canada Tungsten Mining Corporation Ltd in 1961. There is no record of Canada Tungsten doing any additional work on the property and it was later allowed to lapse.

The Ricardo Showing was later re-staked by Mr. A. Black, in 1980, as the Kay claims, then in 1981 as the Lynx claims by Mr. E. Broadhagen. In each case there is no record of work being performed on the property and the claims were allowed to lapse.

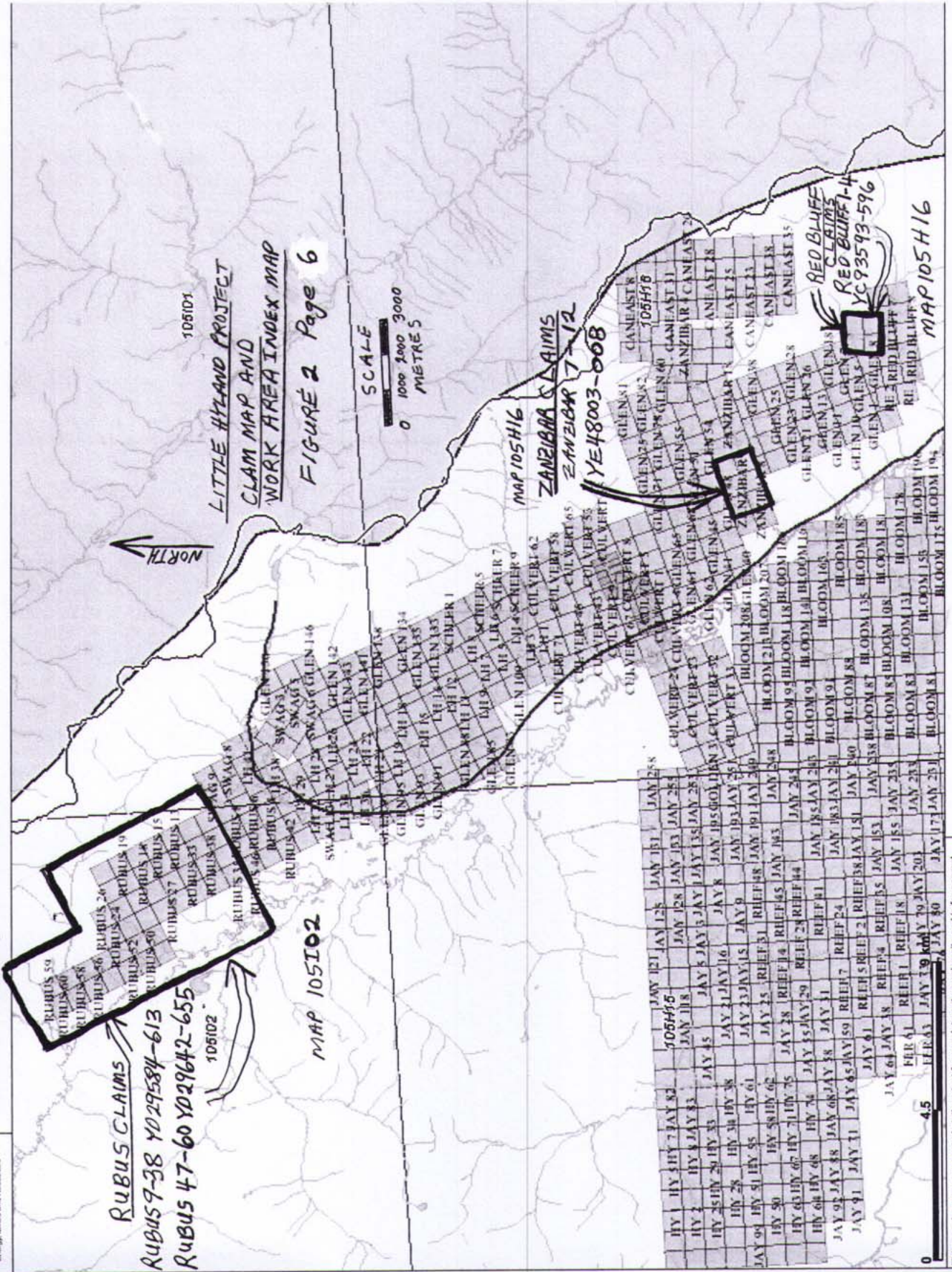
The most significant exploration activity in the area has been at the Tuna property, located 12 km southeast of the project area. It was originally staked in 1981 by Union Carbide Exploration Ltd and has been explored for placer gold, skarn-type tungsten, and lode gold. The property is underlain by a Cretaceous granodiorite stock that intrudes Cambrian slates, phyllites and siltstones of the Hyland Formation. Union Carbide performed stream sediment sampling, rock and soil sampling, geological mapping and prospecting on the property in 1982. This work identified numerous scheelite, molybdenite and chalcopyrite mineralized occurrences, often associated with quartz-tourmaline veins. However, Union Carbide later allowed the claims to lapse.

In 1989, Noranda Exploration Canada Limited re-staked the Tuna property but did not perform any work. These claims were also allowed to lapse. The property was

subsequently staked by Kokanee Explorations Ltd in 1991. Kokanee conducted a program of prospecting, mapping and sampling in 1992. The company changed its' name to Consolidated Ramrod Gold Corporation later that year. In 1993, Consolidated Ramrod performed a limited amount of lithogeochemical and stream sediment sampling, which returned weak to moderately anomalous gold results. Northern Tiger's 3 Ace property, 30 to 40 km south has also yielded high gold values.

Gold was first discovered by Robert Scott while panning in the creek at the culvert on the Nahanni Range road in 1984. The first Golden Culvert claims were staked in September of 2005 and added on to in 2006, 2008, 2009 and 2010. In 2006, 2007, 2008, 2009, 2010 and 2011 Mr. Lee conducted exploration programs predominantly on the Culvert, Rubus, LH, Zanzibar and Red Bluff claims consisting of prospecting, stream sediment, soil and rock sampling. This work returned anomalous gold and arsenic values.





## 6.0 GEOLOGICAL SETTING

The following text is reprinted from Casselman, 2010. The description of the property geology reports on the limited number of hand samples submitted to the author for evaluation and offers possible deposit types for the occurrence of gold on the property.

### 6.1 Regional Geological Setting

The Little Hyland Project area is located in the Selwyn Basin in the eastern Yukon. The Selwyn Basin is part of the cordilleran miogeocline and is characterized by thick accumulations of clastic sediments, with a significant component of deepwater black shales and cherts (Heon, 2007). These basinal rocks interfinger with and are bound by shallower-water platformal carbonates (Figure 3). The Selwyn Basin is bound to the north by the Dawson Fault, grades into platformal facies to the east (Mackenzie Platform) and southwest (Cassiar Platform), may be bound by a Mesozoic thrust fault separating it from Yukon-Tanana Terrane in the Anvil district, and is offset to the southwest by the Tintina Fault. The sediments range in age from Precambrian to Jurassic (Heon, 2007) and lie within the Omineca Belt of the Northern Cordillera (Hart, 2002).

The eastern part of the Little Hyland Project area is underlain by Upper Proterozoic to Lower Cambrian dark brown, fine-grained and thinly-bedded, argillaceous sandstone and siltstone with minor, interbedded, medium- to coarse grained, white to light grey orthoquartzite, phyllite, slate and argillite of the Vampire Formation (uPCV). The western part of the property is underlain by thinly to thickly bedded brown to pale green shales, fine- to coarse-grained quartz-rich sandstones, quartz-pebble conglomerates, minor argillaceous limestones, phyllites, quartzo-feldspathic and micaceous psammites, gritty psammites, and minor marbles of the Upper Proterozoic to Lower Cambrian Narchilla Formation of the Hyland Group (PCHn) (Gordey, et. al., 2000).

Northeast of the property, in the area of the Tungsten Mine, younger sedimentary rocks of the Lower Cambrian Sekwi Formation (ICS), the Lower Cambrian Gull Lake Formation (ICG), the Upper Cambrian to Ordovician Rabbitkettle Formation (COR) and the Ordovician to Lower Devonian Road River Formation (ODR) occur. The Sekwi Formation consists of limestone conglomerates, massive grey dolostones, medium- to thickly-bedded quartz sandstones, purple siltstones with bright orange weathering, and finely-crystalline dolostones. The Gull Lake Formation consists of shales, siltstones and mudstones; minor quartz sandstones; rare green-grey cherts; local basal limestone and limestone conglomerates; and phyllites to quartz-muscovite-biotite schists. These units are overlain by thinly-bedded, wavy, banded, silty limestones and grey lustrous calcareous phyllites; limestone; intraclast breccias and conglomerates; massive to laminated, grey quartzose siltstones and cherts; rare black slates; and local mafic flows, breccias, and tuffs of the Rabbitkettle Formation. The Rabbitkettle Formation is, in turn, overlain by black-, gun-blue-, or silvery-white-weathering of black graptolitic shales and cherts; resistant grey weathering of medium to thinly-bedded, light grey to black,

greenish grey, or turquoise cherts; and minor argillaceous limestones of the Road River Formation.

This package of sedimentary rocks is intruded by resistant, blocky, fine to coarse grained, equigranular to K-feldspar porphyritic, biotite-quartz monzonite and granodiorite; minor quartz diorite; minor leuco-quartz monzonite; and syenite of the mid-Cretaceous Selwyn Plutonic Suite. It is often contended that these intrusions have driven gold-bearing mineralizing fluids to the area of the Little Hyland Project but the intrusions have not been discovered in the immediate are of the property to date. However, the northwest-trending thrust faults that dominate the structural pattern in the region contain sutures that may play host to gold mineralization under a Mesozoic gold model. The March Fault is a thrust fault that runs along the western part of the Little Hyland Project area and may be form a structural control for precious metals mineralization.

The most significant mineralization in the area are the ore bodies of the Tungsten Mine. The ore was formed in carbonate-bearing sedimentary rocks by tungsten-bearing fluids of mid-Cretaceous Selwyn Suite intrusions. The result was tungsten-rich, pyrrhotite skarns along the margins of the intrusions. The original, pre-production resource at the Tungsten Mine was 9 Mt with a grade of 1.42% WO<sub>3</sub>.

At the Tuna property, molybdenite, scheelite, arsenopyrite, bismuthinite, chalcopyrite, chalcocite, pyrrhotite, gold and silver occur in quartz and quartz-tourmaline veins and in small skarn alteration zones along the margins of the Hyland Intrusion (Doherty and vanRanden, 1994).



**LEGEND**

- mid Cretaceous Selwyn Suite - intrusives
- Ordovician to Lower Devonian Road River Formation - sediments
- Upper Cambrian to Ordovician Rabbitkettle Formation - carbonates
- Lower Cambrian Gull Lake Formation - sediments
- Lower Cambrian Sekwi Formation - carbonates
- Upper Proterozoic to Lower Cambrian Vampire Formation - sediments
- Upper Proterozoic to Lower Cambrian Hyland Formation
- Narchilla Formation - argillite and shale
- Yusezyu Formation - clastics, qtz pebble conglomerate
- fault
- Little Hyland Project claims



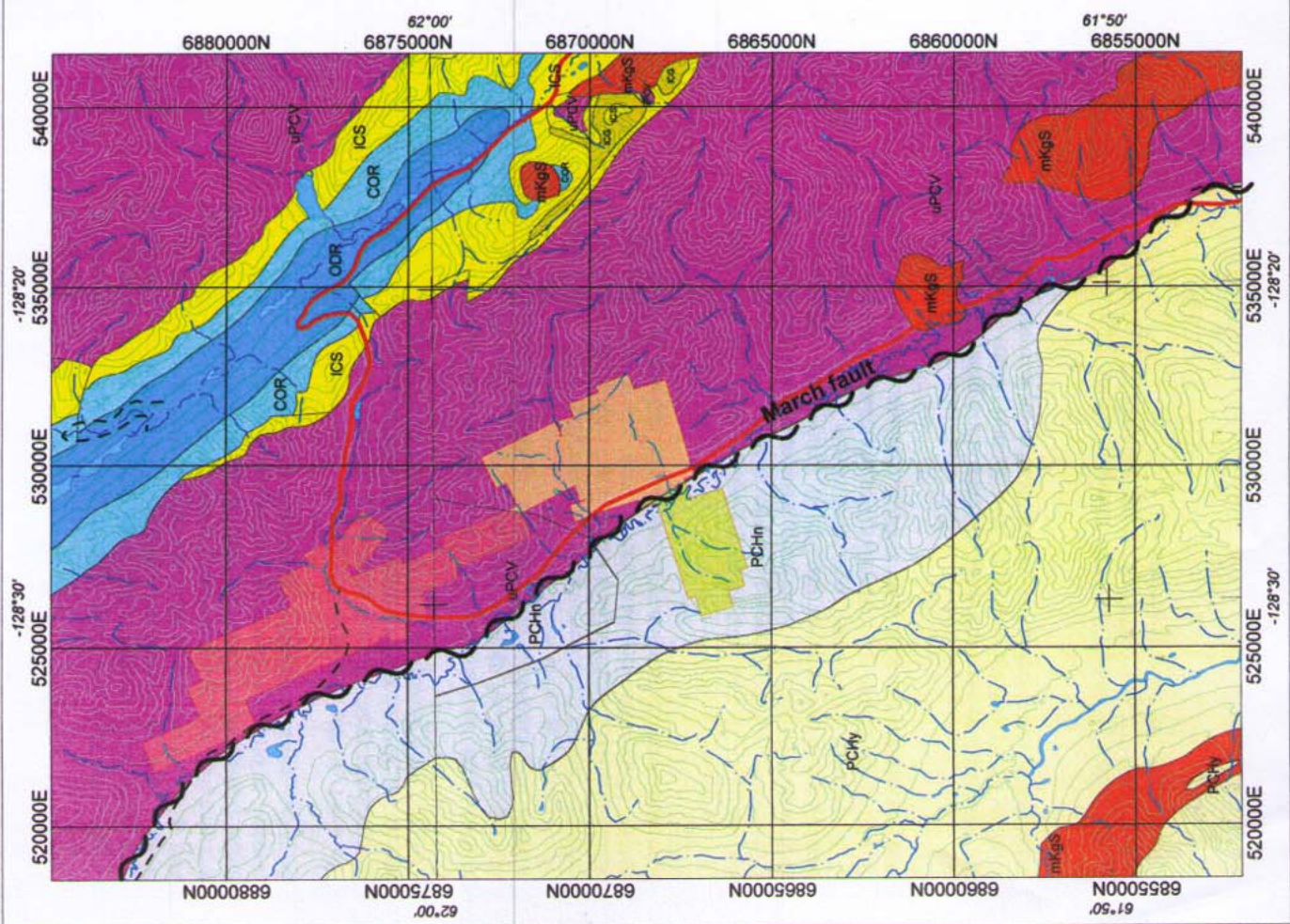
**GARY LEE**

**Little Hyland Project**

**Figure 3. Regional Geology Map**

NTS: 105H15, 16/105101, 02 Mining District Watson Lake  
Datum: NAD83 Projection: UTM, Zone 9  
December 11, 2011

*Figure 3* *Geological Services Page 9*



## 6.2 Property Geology and Mineralization

The Little Hyland Project area has not been geologically mapped in any detail. According to the regional geology of the area it is underlain predominantly by sedimentary rocks of the Vampire Formation (uPCV) to the east and Narchilla Formation (PCHn) rocks to the west. Regional airborne magnetic survey maps show moderately-strong, northwest-trending magnetic features that transect the property; the cause of the features are postulated to be either from a buried intrusion, a regional structure, a lithologic change, or broad alteration assemblages. Any of these causes, or a combination of these causes could be factors in mineralizing events in the area.

Rock types reported to exist on the property are phyllitic to schistose argillite and siltstone. Quartz pebble conglomerate float has also been found on the RUbush and LH claims. Historically, significant gold mineralization was noted to occur primarily in quartz veins within these rocks.

Hand samples from the Culvert and LH claims of sericite-phyllite contained as much as 5% combined pyrite and arsenopyrite, both occurring in the host rock as well as in veins. Typically, pyrite is medium- to coarse-grained and euhedral, suggesting it is late in the paragenetic sequence. However, in one instance pyrite was overgrown by arsenopyrite. The mode of occurrence of arsenopyrite ranges from semi-massive (sample RS-14) (see report on 2009 field work), fine-grained fracture fillings and medium-grained disseminations within quartz veins (sample RS-44) (see report on 2009 field work), to locally-clustered masses of euhedral needles and coarser grains within the host. Although no chalcopyrite was seen in hand-sample, malachite staining is reported to exist on the property.

Most quartz veins were seen to be sub-parallel to phyllite foliation but had clearly experienced early ductile folding and boudinaging prior to late-stage brittle offset. At least two crosscutting vein sets orthogonal to schistosity, exhibited in sample RS-53 (see report on 2009 field work), as well as a strongly-lineated structure shown in sample RS-55 (see report on 2009 field work), imply a poly-deformational history to these rocks. A relatively undeformed, late tension vein, lacking sulphides is the latest veining event noted. A deeper understanding the structural history of these rocks, as it relates to vein mineralization, should be a focus of future exploration at the site.

Alteration in these rocks was noted as predominantly sericitic. Fine-grained muscovite is formed in phyllic alteration, along with minor quartz, chlorite, and pyrite. Calcite and iron-carbonate was also noted in veins, indicating carbonitization as a minor alteration assemblage.

Geologists from Rimfire Minerals Ltd. visited the Main Showing on the Culvert claims and collected two samples, G071512 and G071513, which assayed 22.8 g/t and 8.91 g/t gold (respectively). These samples were described as:

G071512

A well developed, 1 metre thick, (strike 252, dip 78), white sugary to granular (recrystallized) quartz vein with sharp margins, discordant to cleavage. Arsenopyrite as medium, crystalline to fine-grained bands. Pyrite is disseminated in cubes and local crystal aggregates.

G071513

White quartz vein (60 centimetres thick, strike 112, dip vertical) with very fine-grained arsenopyrite bands, scorodite developed, possible sericite alteration of siltstone, and trace arsenopyrite needles in siltstone. Some quartz is sugary (recrystallized).

Rimfire also noted slightly-discordant stringers, ranging from 3 millimetres to 2 centimetres, in the acute angle formed by the veins sampled.

Although the highest gold assays have historically originated from samples taken from quartz veins, country rock on the property has been shown to be mineralized. Sample RS-57, collected in 2009 on the Culvert Claims, from immediately southeast of the main showing assayed 1.285 g/t gold from an almost 2.5 metre chip sample of host rock material adjacent to a mineralized vein.

## **7.0 2011 EXPLORATION PROGRAM**

Between August 3 and August 24 of 2011, Gary Lee conducted an exploration program on the Little Hyland Project claims. The 2011 program consisted of prospecting and the collection of 8 rock samples, 98 soil samples and 5 stream sediment samples. As well, 2,660 m of grid was established and surveyed for VLF-EM.

## **8.0 GEOCHEMICAL ANALYTICAL PROCEDURE**

Samples from the 2011 program were sent to ALS Chemex Labs. The soil and stream sediment samples were handled in the same manner. The samples were sieved in a 180 um sieve then analysed for 48 elements by four acid digestion with Inductively Coupled Plasma Mass Spectroscopy (ICP-MS) according to the ME-ICP41 procedure. As well, each sample was analysed for gold by fire assay with atomic absorption finish according to the Au-ICP21 procedure.

Rock samples were processed by crushing to 70% < 2 mm and pulverizing 200 grams of the < 2 mm material to 85% < 75 um according to the Prep 21 lab procedure. The pulverized material was then analysed by ME-ICP41 for 48 elements and for gold by Au-ICP21 as for the soil and stream sediments.

Analytical certificates are included in Appendix III and plots of sample locations, gold and arsenic results are plotted in Figures 4, 5, 7, 8, 10 and 11.

## **9.0 RESULTS**

### **9.1 Rubus Claims Exploration Results (Figures 4, 5 and 6)**

Figures 4 and 5 show the sampling results and float samples collected during the 2011 field season on the northwest area of the Rubus claims. The statistics from Commander Resources Ltd regional survey conducted in the area were used for the cut-off thresholds. For gold, these were greater than 0.015, 0.0124 – 0.015, 0.0047 – 0.0124, 0.0017 – 0.0047, and 0.0017 ppm. For arsenic, these were greater than 208, 174 – 208, 79 – 174, 40 – 79 and 0 – 40 ppm. Total population was 1,369 samples. Percentile range were greater than 98<sup>th</sup>, 95<sup>th</sup>, 68<sup>th</sup>, 50<sup>th</sup>, and to detection limit.

The five highest (of a total of 111) gold values (0.159, 0.157, 0.053, 0.027 and 0.20 ppm) soil samples for the 2011 season were encountered on or close to the airborne mag contact as shown on Figure 4. This is more than a coincidence! These contacts (lineaments) as shown in more detail on Figures 12 and 13 should be used for future prospecting targets. The highest two arsenic (2300 and 1540 ppm – Figure 5) was also located on or near this airborne mag contact. Of further interest a rock outcrop sample (RUOC-3) yielded 3690 ppm lead (pb) near the mag contact. Any outcrops appear to be offset from the mag contact, hence soil sampling should be used as a primary exploration tool.

The VLF-EM survey (Figure 6) yielded no anomalies in the area.

## **9.2 Zanzibar Claims – Exploration Results (Figures 7, 8 and 9)**

Figures 7 and 8 show the soil sampling results on the Zanzibar claims. The same statistics were used as outlined for the Rubus claims (Section 9.1). The 2011 survey was centred around a stream sediment sample taken in 2009, which yielded a highly anomalous gold value (0.359 ppm). Unfortunately, four stream sediment samples taken in 2011 did not repeat this value. The highest repeat sample was only 0.009 ppm Au. The highest soil sample was only 0.011 ppm Au. Most samples were on or slightly above background as seen on Figure 7. Figure 8 does show a few anomalous (141, 82, 81 and 78 ppm) arsenic samples. Sampling should be extended further up and especially downstream before making any final conclusions on this value.

Of further interest Figure 9 shows the location 3 VLF conductors. This probably indicates conductive fault gouge as opposed to massive sulphides??

## **9.3 Red Bluff – Exploration Results (Figures 10 and 11)**

Figure 10 shows the gold results for the narrow valley referred to as Red Bluff. Gold results were low here at or near detection limit. Similarly, Figure 11 shows arsenic levels at quite low. More sampling up and down (east-west) on the main valley would be required before any final conclusions can be drawn.







LITTLE HYLAND PROJECT — RUBUS CLAIMS  
 GEOPHYSICS — VLF — SEATTLE, WASH.  
 READING DIRECTION N70°E

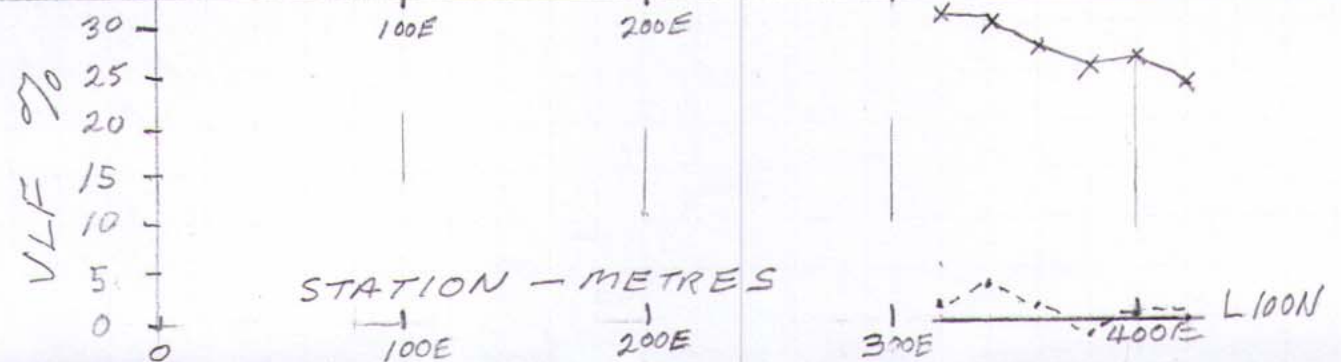
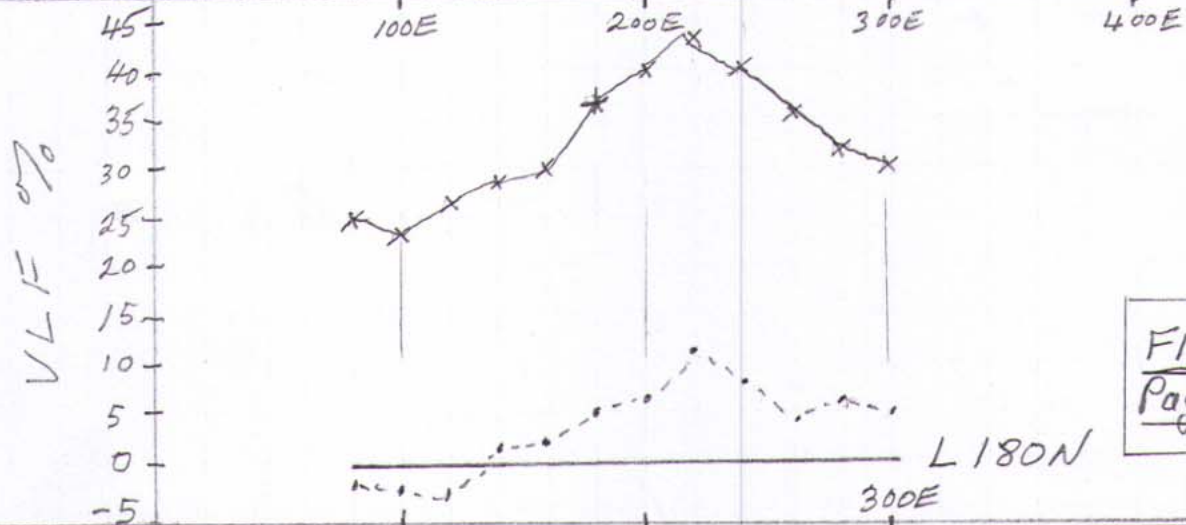
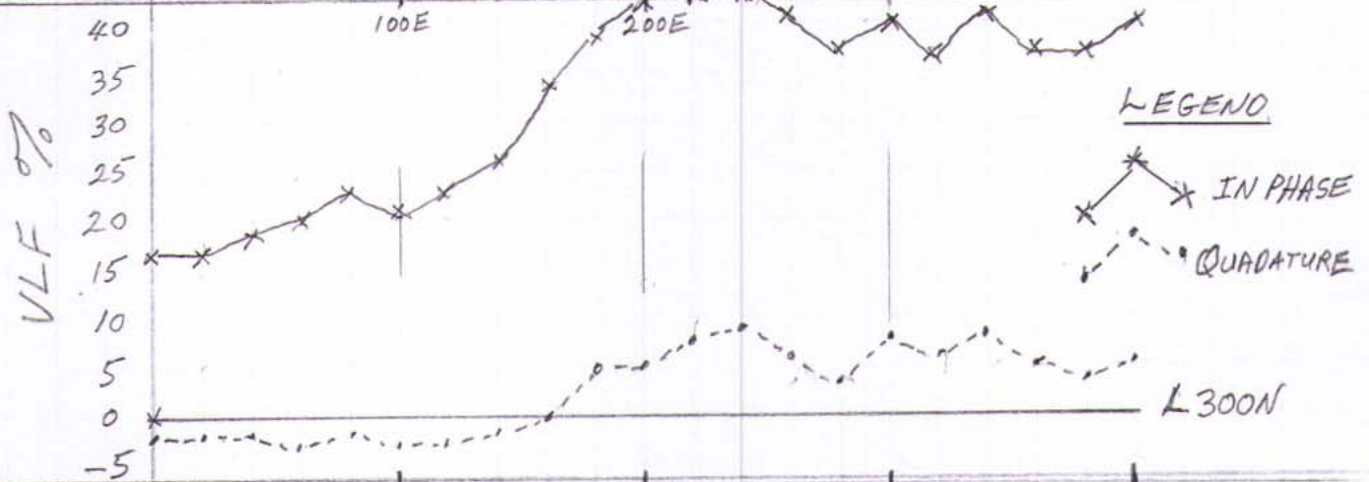
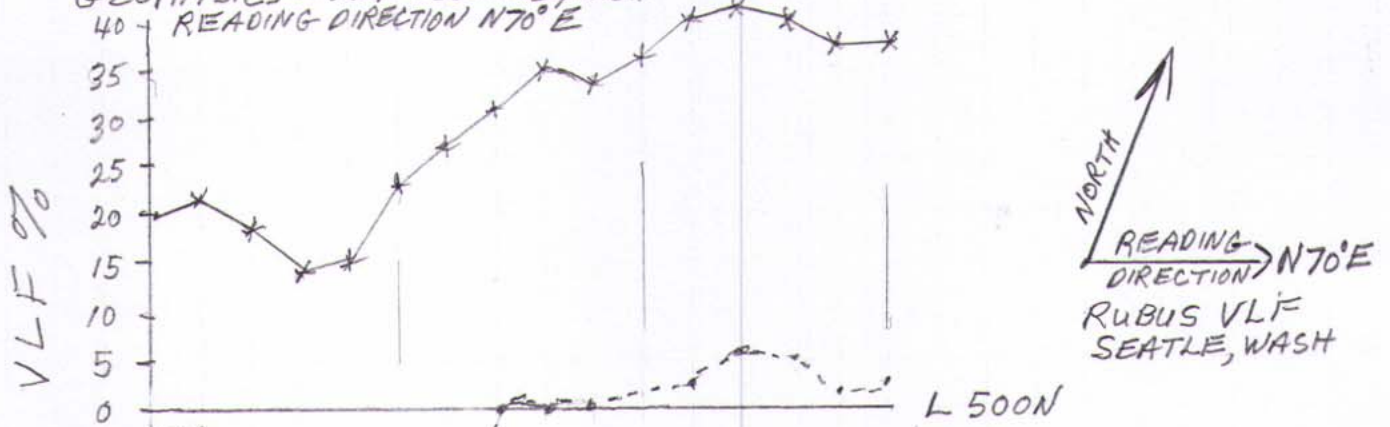


FIGURE 6  
 Page 16

NAV83  
6866000N

NORTH

ZA

LEGEND

VLF CONDUCTOR AXIS

SOIL & STRM. SAMPLES  
Au (ppm)

■	> 0.015
■	0.0124 - 0.015
■	0.0047 - 0.0124
■	0.0017 - 0.0047
•	0 - 0.0017

LITTLE HYLAND PROJECT  
ZANZIBAR CLAIMS  
GOLD-SOIL & STRM. SAMPLES  
LOCATION MAP  
NTS 105/H16 WATSON LK. DISTRICT  
JAN. 2012 BY FIG. 7 PAGE 17

YE48007

ZANZIBAR 12

YE48006

SCALE  
1:5000  
metres

0 50 100 150 200

YE48004

6866000N

ZANZIBAR 7

YE48003

ZANZIBAR 8

533000

533000  
NAV83

ZANZIBAR 9

YE48005

ZANZIBAR 10

YE48006

SCALE  
1:5000  
metres

0 50 100 150 200

YE48004

6866000N

ZANZIBAR 7

YE48003

ZANZIBAR 8

533000

533000  
NAV83

ZANZIBAR 9

YE48005

ZANZIBAR 10

YE48006

SCALE  
1:5000  
metres

0 50 100 150 200

YE48004

6866000N

ZANZIBAR 7

YE48003

ZANZIBAR 8

533000

533000  
NAV83

ZANZIBAR 9

YE48005

ZANZIBAR 10

YE48006

SCALE  
1:5000  
metres

0 50 100 150 200

YE48004

6866000N

ZANZIBAR 7

YE48003

ZANZIBAR 8

533000

533000  
NAV83

ZANZIBAR 9

YE48005

ZANZIBAR 10

YE48006

SCALE  
1:5000  
metres

0 50 100 150 200

YE48004

6866000N

ZANZIBAR 7

YE48003

ZANZIBAR 8

533000

533000  
NAV83

ZANZIBAR 9

YE48005

ZANZIBAR 10

YE48006

SCALE  
1:5000  
metres

0 50 100 150 200

YE48004

6866000N

ZANZIBAR 7

YE48003

ZANZIBAR 8

533000

533000  
NAV83

ZANZIBAR 9

YE48005

ZANZIBAR 10

YE48006

SCALE  
1:5000  
metres

0 50 100 150 200

YE48004

6866000N

ZANZIBAR 7

YE48003

ZANZIBAR 8

533000

533000  
NAV83

ZANZIBAR 9

YE48005

ZANZIBAR 10

YE48006

SCALE  
1:5000  
metres

0 50 100 150 200

YE48004

6866000N

ZANZIBAR 7

YE48003

ZANZIBAR 8

533000

533000  
NAV83

ZANZIBAR 9

YE48005

ZANZIBAR 10

YE48006

SCALE  
1:5000  
metres

0 50 100 150 200

YE48004

6866000N

ZANZIBAR 7

YE48003

ZANZIBAR 8

533000

533000  
NAV83

ZANZIBAR 9

YE48005

ZANZIBAR 10

YE48006

SCALE  
1:5000  
metres

0 50 100 150 200

YE48004

6866000N

ZANZIBAR 7

YE48003

ZANZIBAR 8

533000

533000  
NAV83

ZANZIBAR 9

YE48005

ZANZIBAR 10

YE48006

SCALE  
1:5000  
metres

0 50 100 150 200

YE48004

6866000N

ZANZIBAR 7

YE48003

ZANZIBAR 8

533000

533000  
NAV83

ZANZIBAR 9

YE48005

ZANZIBAR 10

YE48006

SCALE  
1:5000  
metres

0 50 100 150 200

YE48004

6866000N

ZANZIBAR 7

YE48003

ZANZIBAR 8

533000

533000  
NAV83

ZANZIBAR 9

YE48005

ZANZIBAR 10

YE48006

SCALE  
1:5000  
metres

0 50 100 150 200

YE48004

6866000N

ZANZIBAR 7

YE48003

ZANZIBAR 8

533000

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NAV83

ZANZIBAR 9

YE48005

ZANZIBAR 10

YE48006

SCALE  
1:5000  
metres

0 50 100 150 200

YE48004

6866000N

ZANZIBAR 7

YE48003

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533000

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NAV83

ZANZIBAR 9

YE48005

ZANZIBAR 10

YE48006

SCALE  
1:5000  
metres

0 50 100 150 200

YE48004

6866000N

ZANZIBAR 7

YE48003

ZANZIBAR 8

533000

533000  
NAV83

ZANZIBAR 9

YE48005

ZANZIBAR 10

YE48006

SCALE  
1:5000  
metres

0 50 100 150 200

YE48004

6866000N

ZANZIBAR 7

YE48003

ZANZIBAR 8

533000

533000  
NAV83

ZANZIBAR 9

YE48005

ZANZIBAR 10

YE48006

SCALE  
1:5000  
metres

0 50 100 150 200

YE48004

6866000N

ZANZIBAR 7

YE48003

ZANZIBAR 8

533000

533000  
NAV83

ZANZIBAR 9

YE48005

ZANZIBAR 10

YE48006

SCALE  
1:5000  
metres

0 50 100 150 200

YE48004

6866000N

ZANZIBAR 7

YE48003

ZANZIBAR 8

533000

533000  
NAV83

ZANZIBAR 9

YE48005

ZANZIBAR 10

YE48006

SCALE  
1:5000  
metres

0 50 100 150 200

YE48004

6866000N

ZANZIBAR 7

YE48003

ZANZIBAR 8

533000

533000  
NAV83

ZANZIBAR 9

YE48005

ZANZIBAR 10

YE48006

SCALE  
1:5000  
metres

0 50 100 150 200

YE48004

6866000N

ZANZIBAR 7

YE48003

ZANZIBAR 8

533000

533000  
NAV83

ZANZIBAR 9

YE48005

ZANZIBAR 10

YE48006

SCALE  
1:5000  
metres

0 50 100 150 200

YE48004

6866000N

ZANZIBAR 7

YE48003

ZANZIBAR 8

533000

533000  
NAV83

ZANZIBAR 9

YE48005

ZANZIBAR 10

YE48006

SCALE  
1:5000  
metres

0 50 100 150 200

YE48004

6866000N

ZANZIBAR 7

YE48003

ZANZIBAR 8

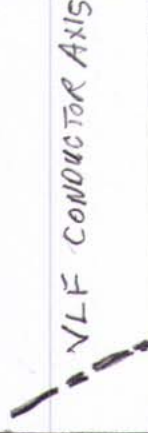
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NAD83  
6866000N



ZA

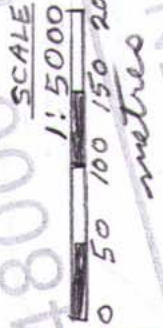
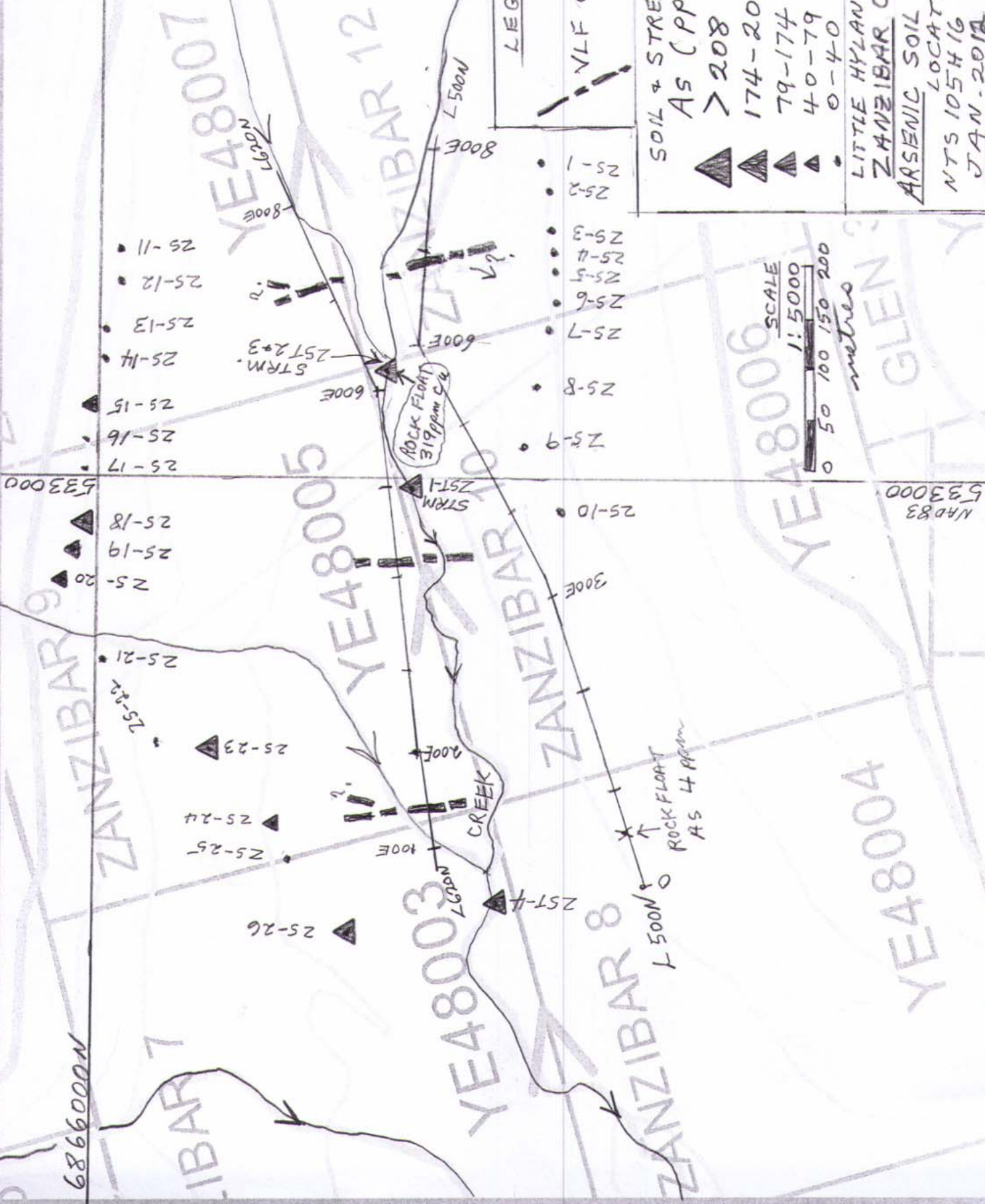
LEGEND



SOIL & STREAM SAMPLES  
As (ppm)

- ▲ > 208
- ▲ 174-208
- ▲ 79-174
- ▲ 40-79
- 0-40

LITTLE HYLAND PROJECT  
ZANZIBAR CLAIMS  
ARSENIC SOIL SAMPLES  
LOCATION MAP  
NTS 105416  
JAN. 2012  
Page 18



NAD83  
533000

YE48004

YE48003

YE48005

YE48006

YE48007

6866000N

ZANZIBAR 7

ZANZIBAR 9

ZANZIBAR 12

ZANZIBAR 10

ZANZIBAR 8

GLEN

LITTLE HYLAND PROJECT - ZANZIBAR CLAIMS - GEOPHYSICS (VLF)

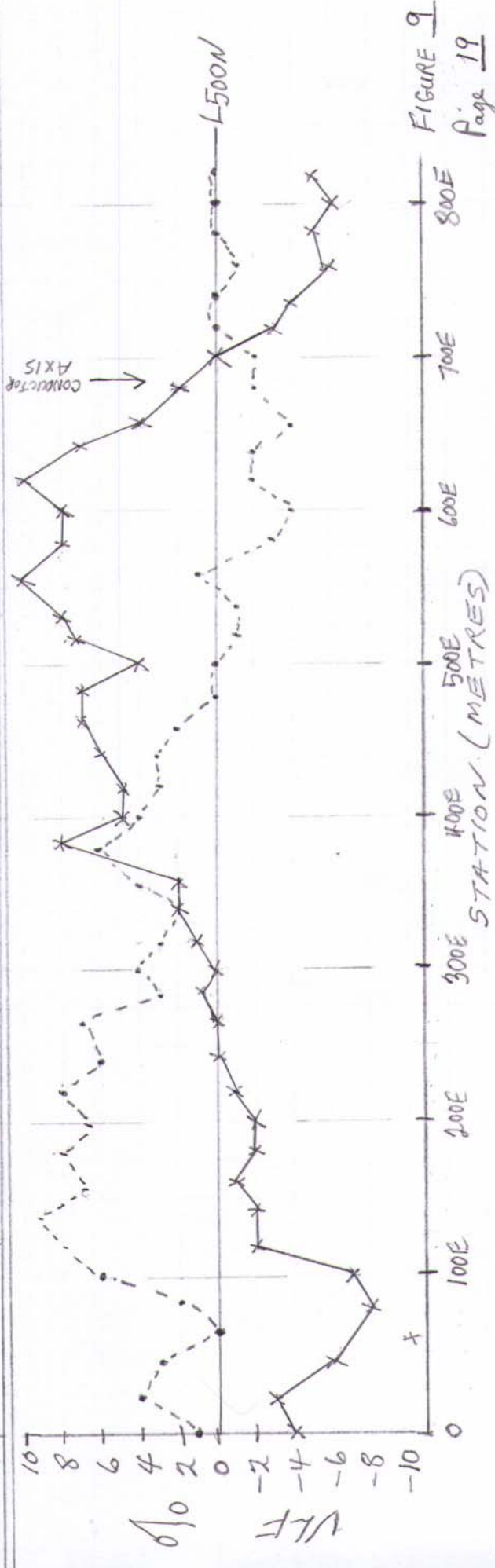
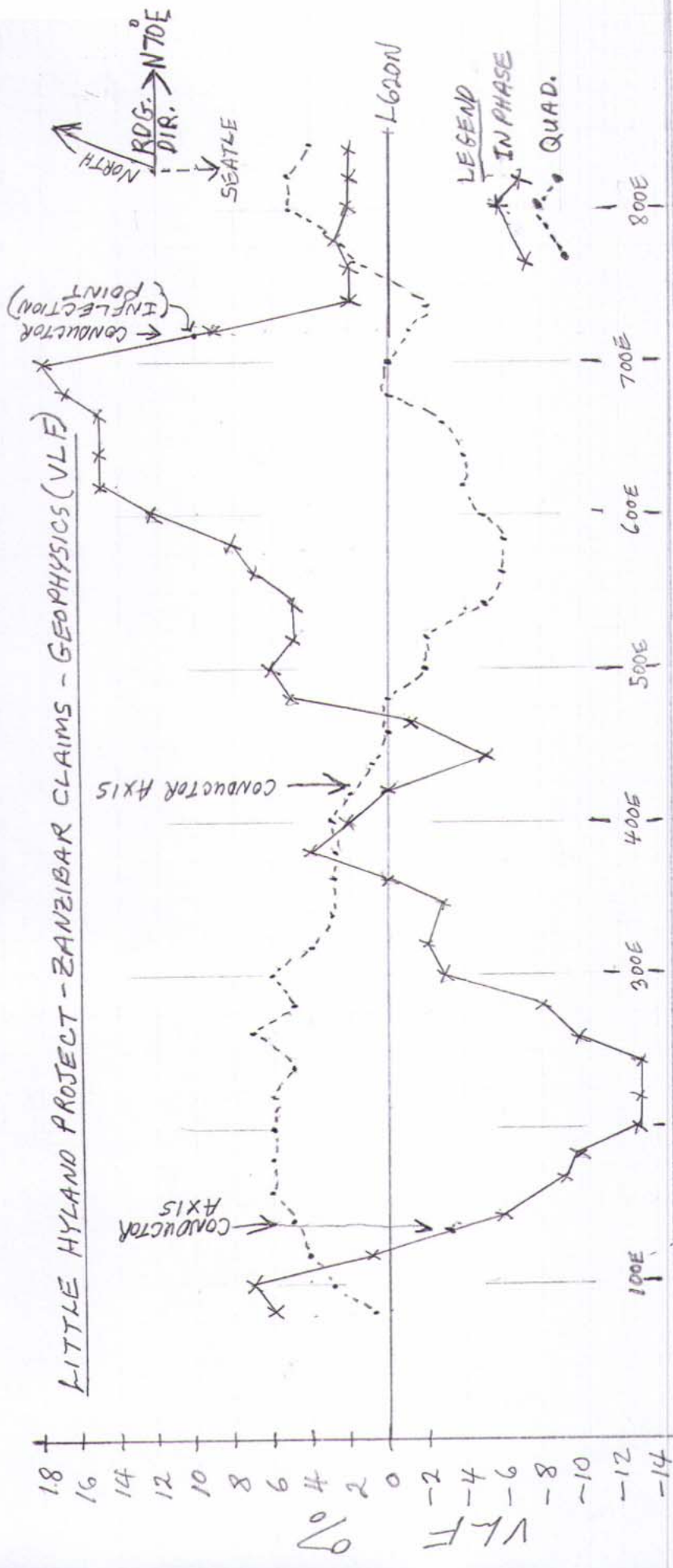
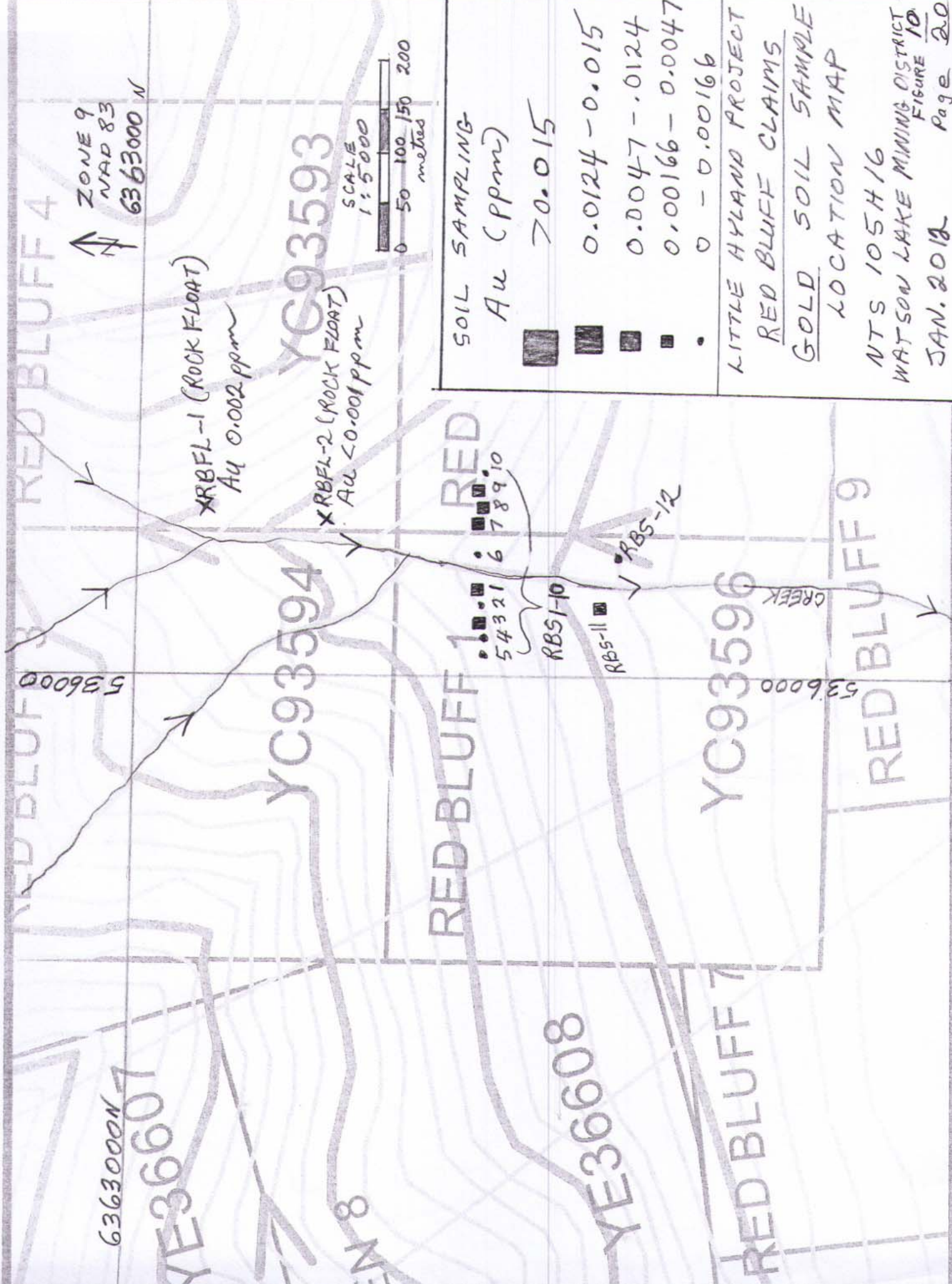
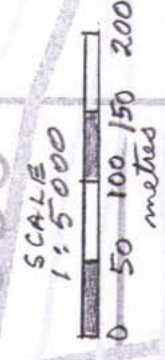


FIGURE 9  
Page 19



ZONE 9  
NAD 83  
6363000 N



XRBF1-1 (ROCK FLOAT)  
Au 0.002 ppm

XRBF1-2 (ROCK FLOAT)  
Au < 0.001 ppm

RED BLUFF 1  
54321  
678910

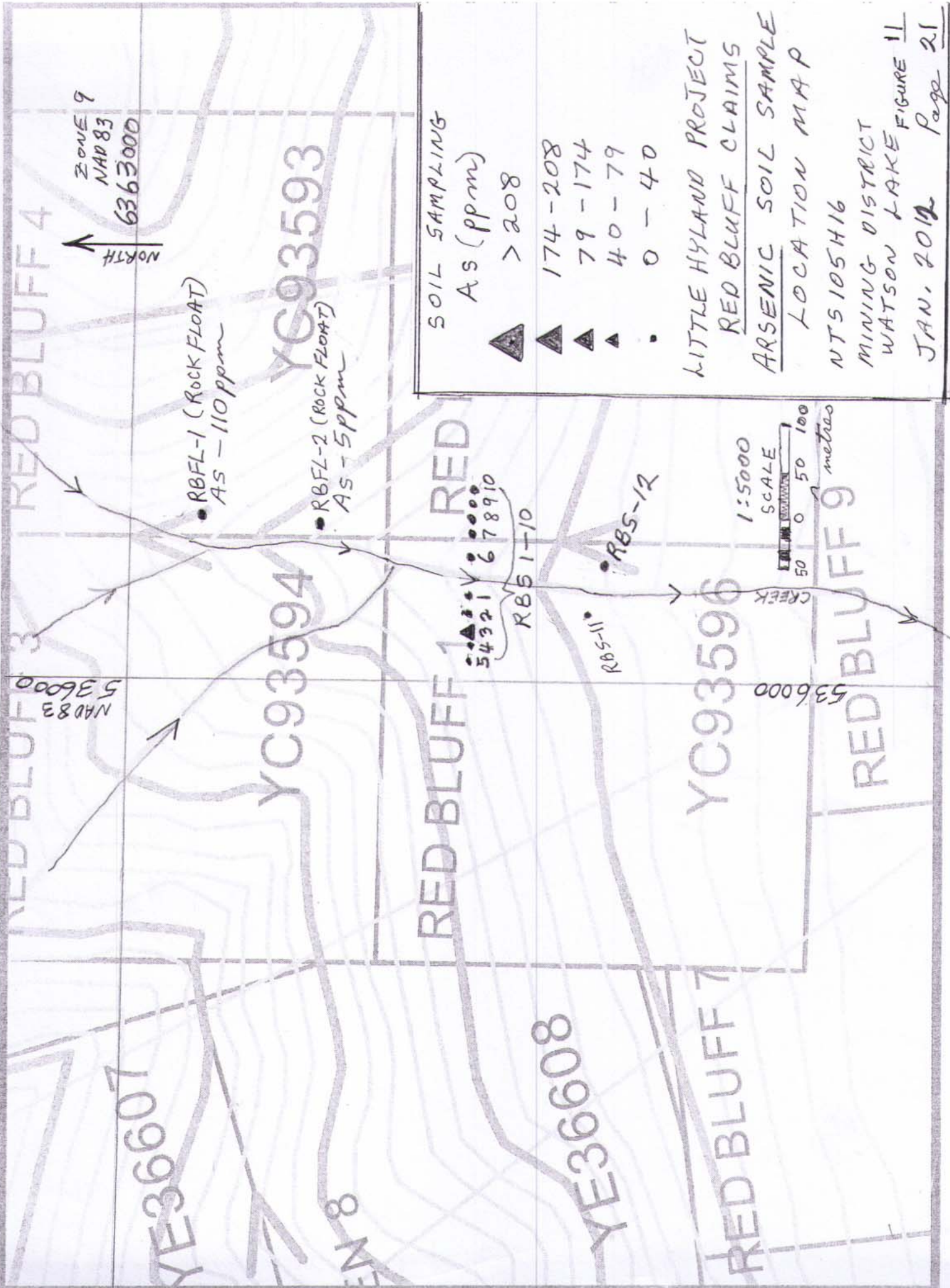
RBS1-10  
RBS1-11  
RBS1-12

SOIL SAMPLING  
Au (ppm)

- > 0.015
- 0.0124 - 0.015
- 0.0047 - 0.0124
- 0.00166 - 0.0047
- 0 - 0.00166

LITTLE HYLAND PROJECT  
RED BLUFF CLAIMS  
GOLD SOIL SAMPLE  
LOCATION MAP

NTS 105H16  
WATSON LAKE MINING DISTRICT  
FIGURE 10  
Page 20  
JAN. 2012



SOIL SAMPLING

As (ppm)

- ▲ > 208
- ▲ 174 - 208
- ▲ 79 - 174
- ▲ 40 - 79
- 0 - 40

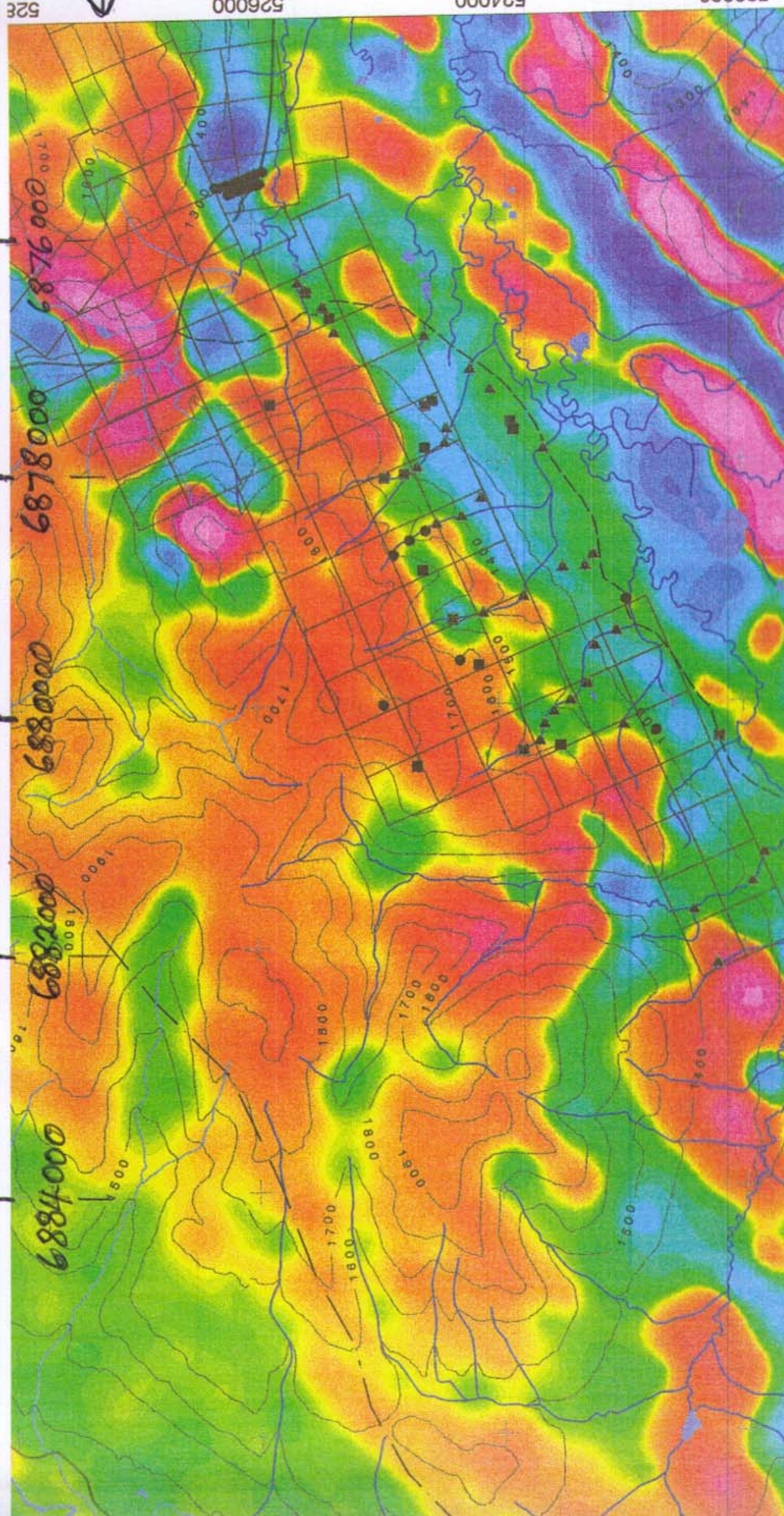
LITTLE HYLAND PROJECT  
 RED BLUFF CLAIMS  
 ARSENIC SOIL SAMPLE  
 LOCATION MAP

NTS 105H16  
 MINING DISTRICT  
 WATSON LAKE FIGURE 11  
 JAN. 2012 Page 21



526000 524000 522000  
 0 500 1000 1500 2000  
 Scale - meters 1:50,000  
 -128°35'

526000  
 -128°30'  
 NORTH

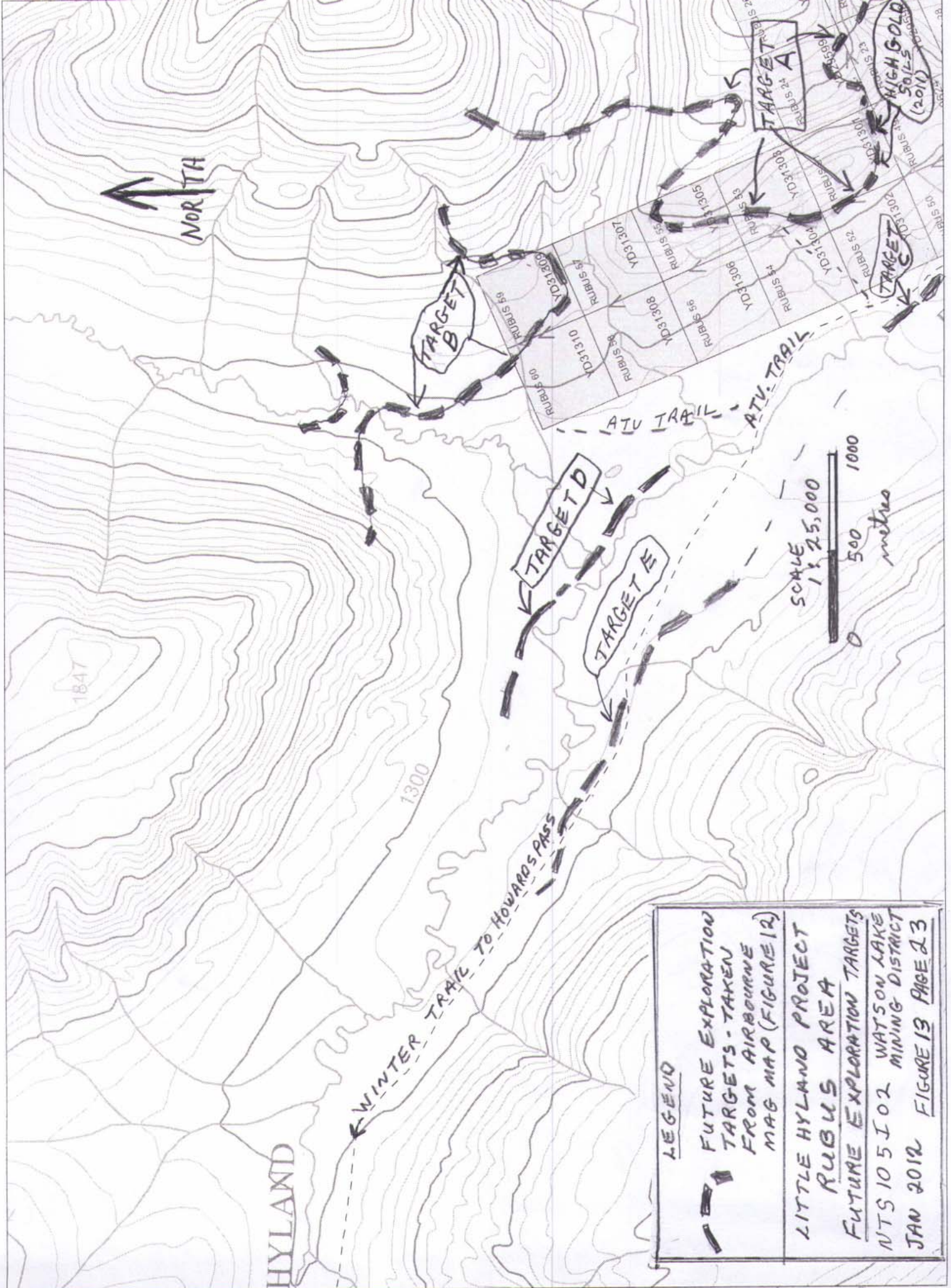


LEGEND  
 RED - MAG. HIGHS  
 BLUE/GREEN - MAG. LOWS  
 GOVERNMENT AIRBOURNE  
 MAG. SURVEY  
 FLAT RIVER - 100m. - MAG  
 FIRST DERIVATIVE  
 LITTLE HYLAND PROJECT  
 RUBUS CLAIM AREA  
 NTS 105102  
 WATSON LAKE MINING  
 DISTRICT  
 JAN. 2012  
 SCALE 1:50,000  
 FIGURE 12 PAGE 22


518000

520000

10



**LEGEND**

 FUTURE EXPLORATION TARGETS - TAKEN FROM AIRBORNE MAG MAP (FIGURE 12)

LITTLE HYLAND PROJECT  
 RUBUS AREA  
 FUTURE EXPLORATION TARGETS  
 NTS 105 I 02 WATSON LAKE  
 MINING-DISTRICT  
 JAN 2012 FIGURE 13 PAGE 23

## **10.0 CONCLUSIONS and RECOMMENDATIONS**

Since the highest gold and arsenic values of the 2011 field season were found on or adjoining the aerial mag contact (lineament) in the Rubus area as shown on Figures 4 and 5 exploration should continue along these lineaments as shown on Figure 13 (mag contacts plotted from Fig 12). In order to define these lineaments more accurately a ground recon mag survey should be completed at right angles to the aerial contacts at say 200 to 300 metre spacing. This would ensure that sampling would cross and cover at least one hundred metres on each side of the contact. Soil sampling is recommended since rock exposure is expected to be almost non-existent. Any streams that are in the target area should be stream sediment sampled. Samples should be fire assayed for gold and analyzed (ICP) for 48 elements. The above should be completed before drilling or trenching is undertaken.

Since the results were poor for the Zanzibar and Red Bluff areas surveyed, they should receive more prospecting and sampling east and west up and down their respective main valleys. These areas have received very little work. Hence, it is too soon to draw any final conclusions.

## 11.0 STATEMENT OF EXPENDITURES

Labour - Gary Lee	- 25 days @ \$350.00 / day	\$ 8,750.00
Truck (4X4)	- 1,470 km @ \$ 0.595 / km	874.65
ATV rental	- 17 days @ \$ 40.00 / day	680.00
ATV Transport trailer	- 4 days @ \$ 16.00 / day	64.00
Room, board & daily field expenses (incl. satellite phone, flagging, gas, etc.)	- 25 days @ \$ 100.00 / day	2,500.00
Geonics EM-16 rental	- 5 days @ \$ 40.00 / day	200.00
Assaying charges		3,548.96
WCB Expenses		351.45
Report Writing and Reproduction		<u>1,750.00</u>
	<b>Total</b>	<b><u>\$ 18,719.06</u></b>

## 12.0 REFERENCES

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## **APPENDIX I**

### **STATEMENT OF QUALIFICATIONS**

## STATEMENT OF QUALIFICATIONS

I, Gary Lee, of Whitehorse, Yukon Territory, certify that

- 1) I am a professional engineer and prospector residing in Whitehorse, Yukon Territory.
- 2) I graduated from the University of Toronto, Ontario with a Bachelor of Applied Science Degree in 1975 and have worked in mineral exploration since that time
- 3) I am a Professional Geoscientist registered with the Association of Professional Engineers and Geoscientists of British Columbia.
- 4) I am responsible for preparation of this report and am part owner of this property.

Respectfully Submitted:

Gary Lee

**APPENDIX II**

**2011 ROCK, SOIL  
and STREAM SEDIMENT SAMPLE DESCRIPTIONS  
and VLF-EM DATA**



**2011 - ZANZIBAR – GEOPHYSICS – VLF (SEATTLE, WASHINGTON)**  
**VLF (GEONICS EM-16) READING DIRECTION IS N 70 deg. E ( 90 deg. to SEATTLE)**

Line	STA.	In Phase	Quad	Notes	Line	Sta.	In Phase	Quad	Notes
500	0	- 4	1	532598, 6865455N	500N	760E	- 6	- 1	
500N	20	- 3	4	GPS	500N	780	- 5	0	
	40	- 6	3	NAD 83	500N	800E	- 6	0	
	60	- 10	0		500N	820E	- 5	0	
	80	- 8	2		620N	80	6	1	
	100E	- 7	6		620N	100E	7	3	
	120	- 2	8			120	1	4	*conductor axis
	140	- 2	9			140	- 6	5	
	160	- 1	7			160	- 9	6	
	180	- 2	8			180	- 10	6	
	200E	- 2	7			200E	- 13	6	532727, 6865692N
	220	- 1	8			220	- 13	6	
	240	0	6			240	- 13	5	
	260	0	7			260	- 10	7	
	280	1	3			280	- 8	5	
	300E	0	4			300E	- 3	6	
	320	1	3			320	- 2	4	
	340	2	2			340	- 3	3	
	360	8	4			360	0	3	
	380	5	6	GPS		380	4	3	
	400E	5	4	532954, 6865585N		400E	2	3	
	420	5	3			420	0	2	*conductor axis
	440	6	3			440	- 5	1	
	460	7	2			460	- 1	0	
	480	7	0			480	5	0	
	500E	4	0			500E	6	- 2	
	520	7	- 1			520	5	- 2	
	540	8	- 1			540	5	- 5	
	560	10	- 1			560	7	- 6	
	580	8	- 3	GPS		580	8	- 6	GPS
	600E	8	- 4	533130, 6865699N		600E	12	- 5	533086, 6865816N
	620	10	- 2			620	15	- 4	
	640	7	- 2			640	15	- 4	
	660	4	- 4			660	15	- 3	
	680	2	- 2			680	17	0	
	700E	0	- 2	*conductor axis		700E	18	0	(conductor)
500N	720	- 3	0		620N	720	9	- 1	*Inflection point
500N	740	- 4	0			740	2	- 2	
						760	2	2	
						780	3	3	
						800E	2	5	
						820	2	5	
						840	2	4	

**2011 SOIL SAMPLES – RUBUS CLAIMS**

Sample Number	NAD 83		DESCRIPTION	Au PPM	As PPM
	East	North			
SRU - 1	522859	6880518	Light rusty brown - on glacial deposit, L500, 0 E	0.020	81
SRU - 2	522877	6880523	Light rusty brown - on glacial deposit, L500, 20 E	0.002	72
SRU - 3	522896	6880532	Light rusty brown - on glacial deposit, L500, 40 E	0.002	49
SRU - 4	522914	6880538	Light rusty brown - on glacial deposit, L500, 60 E	0.005	180
SRU - 5	522929	6880547	Light rusty brown - on glacial deposit, L500, 80 E	0.002	49
SRU - 6	522949	6880553	Brown/grey – toe of hill, L500, 100 E	0.002	71
SRU - 7	522967	6880563	Brown – rocky – side of hill, L500, 120 E	0.001	103
SRU - 8	522982	6880572	Brown – rocky – side of hill, L500, 140 E	0.002	79
SRU - 9	522999	6880577	Brown – rocky – side of hill, L500, 160 E	0.003	109
SRU - 10	523016	6880591	Brown – rocky – side of hill, L500, 180 E	0.004	253
SRU - 11	523028	6880587	Brown – rocky – side of hill, L500, 200 E	0.016	376
SRU - 12	523049	6880589	Brown – very rocky – side of hill, L500, 220 E	0.002	260
SRU - 13	523065	6880598	Brown – very rocky – side of hill, L500, 240 E	0.006	235
SRU - 14	523080	6880601	Rusty brown, rocky – side of hill, L500, 260 E	0.001	73
SRU - 15	523096	6880612	Brown, on game trail L500, 280 E	0.003	87
SRU - 16	523112	6880612	Brown, very rocky and clay L500, 300 E	0.001	3
SRU - 17	523015	6880361	Rusty brown, toe of hill near gulch L300, 80 E	0.157	50
SRU - 18	523032	6880367	Tan – side of hill L300, 100 E	0.004	43
SRU - 19	523047	6880376	Brown – side of hill L300, 120 E	0.003	55
SRU - 20	523061	6880378	Grey brown, on bench L 300, 140 E	0.003	34
SRU - 21	523085	6880387	Grey and brown – toe of hill L 300, 160 E	0.003	104
SRU - 22	523092	6880392	Brown – side of hill L 300, 180 E	0.005	208
SRU - 23	523111	6880396	Yellow brown – side of hill L 300, 200 E	0.004	296
SRU - 24	523124	6880398	Rusty brown – side of hill L 300, 220 E	0.008	101
SRU - 25	523137	6880407	Grey, rocky – side of hill L 300, 240 E	0.002	81
SRU - 26	523156	6880418	Grey, brown – side of hill L 300, 260 E	0.004	69
SRU - 27	523170	6880421	Brown, rocky – top of ridge L 300, 280 E	0.017	114
SRU - 28	523153	6880421	Brown, mini slide – side of hill off line	0.005	105
SRU - 29	523187	6880423	Very rocky, organics L 300N. 300 E	0.016	24
SRU - 30	523202	6880429	Very rocky, organics L 300N. 320 E	0.009	17
SRU - 31	523218	6880434	Tan, rocky L 300, 340 E	0.004	2
SRU - 32	523240	6880431	Tan, rocky – slide L 300, 360 E	0.006	80
SRU - 33	523254	6880433	Tan, on small ridge L 300, 380 E	0.005	53
SRU - 34	523269	6880453	Tan, toe of upper hill L 300, 400 E	0.006	89
SRU - 35	523371	6880262	Yellow brown L 100N, 420 E	0.004	83
SRU - 36	523351	6880359	Yellow brown L 100N, 400 E	0.003	69
SRU - 37	523335	6880257	Yellow brown L 100N, 380 E	0.004	62
SRU - 38	523321	6880256	White/brown, rocky L100N, 360 E	0.002	3
SRU - 39	523301	6880247	Brown L100, 340 E	0.003	47
SRU - 40	523259	6880237	Brown off line	0.003	47
SRU – 40A	523259	6880237	Brown off line	0.006	132



**2011 SOIL SAMPLES – ZANZIBAR CLAIMS**

Sample Number	NAD 83		DESCRIPTION	Au PPM	As PPM
	East	North			
ZS - 1	533305	6865573	Brown - in buck brush	0.001	23
ZS - 2	533279	6865560	Brown - in buck brush	0.002	39
ZS - 3	533242	6865560	Grey muck, moss – in stunted spruce	0.002	13
ZS - 4	533218	6865559	Grey muck, moss – in stunted spruce	0.002	21
ZS - 5	533207	6865556	Tan – on game trail	0.002	23
ZS - 6	533166	6865553	Tan and grey – on game trail	<0.001	20
ZS - 7	533143	6865559	Tan and grey	0.001	17
ZS - 8	533082	6865576	Grey	0.002	18
ZS - 9	533027	6865586	Light brown	0.003	18
ZS - 10	532962	6865555	Light brown	0.001	38
ZS - 11	533220	6865982	Brown, rocky – base of hill	0.003	16
ZS - 12	533191	6865978	Brown, rocky	0.011	9
ZS - 13	533148	6865978	Brown, very rocky	0.001	23
ZS - 14	533110	6865993	Brown, very rocky	0.001	<2
ZS - 15	533062	6866003	Brown, very rocky	0.001	53
ZS - 16	533032	6866022	Brownish grey – bottom of gulch	<0.001	27
ZS - 17	533008	6866023	Brownish grey – rocky	0.001	29
ZS - 18	532961	6866023	Brown	0.002	81
ZS - 19	532928	6866035	Brownish grey	0.003	40
ZS - 20	532916	6866038	Tan	0.003	78
ZS - 21	532823	6865995	Brownish grey	0.003	36
ZS - 22	532736	6865942	Dark grey plus organics	0.003	28
ZS - 23	532730	6865890	Dark tan	0.003	82
ZS - 24	532666	6865821	Brown	0.001	47
ZS - 25	532633	6865811	Deep rusty brown	0.002	18
ZS - 26	532552	6865750	Brown	0.001	141

**2011 STREAM SEDIMENTS – ZANZIBAR CLAIMS**

ZST - 1	532985	6865682	Bar north side of creek, opposite L500,590 E	0.001	131.0
ZST - 2	533105	6865702	Bar north side of creek, opposite L 500,590 E	<0.001	91.0
ZST - 3	533103	6865702	Bar south side of creek	0.009	102.0
ZST - 4	532581	6865591	Bar – opposite L 500 N, 20 E	0.001	114.0

**2011 ROCK SAMPLES – ZANZIBAR CLAIMS**

				Cu		
ZFL - 1	533108	6865697	Serpentine, quartz, Py, calcopy malachite – float	319.0	0.001	42.0
ZFL - 2	532654	6865478	Quartz and phyllite breccia with silver crystals – near L 500 N, 57 E.	16.0	<0.001	4.0

### 2011 SOIL SAMPLES – RED BLUFF CLAIMS

Sample Number	NAD 83		DESCRIPTION	Au PPM	As PPM
	East	North			
RBS - 1	536091	6862650	Brown rocky – west side of valley	0.002	27.0
RBS - 2	536075	6862653	Grey rocky – west side of valley	<0.001	23.0
RBS - 3	536061	6862647	Brown and grey – west side of valley	0.002	43.0
RBS - 4	536038	6862647	Brown and grey – west side of valley	0.001	25.0
RBS - 5	536021	6862654	Blackish brown, rocky near top of ridge	<0.001	3.0
RBS - 6	536131	6862651	Yellow and brown east side of valley	0.001	26.0
RBS - 7	536151	6862652	Brown, little grey east side of valley	0.002	24.0
RBS - 8	536166	6862664	Rusty brown, east side of valley	0.002	28.0
RBS - 9	536186	6862663	Rusty brown, in large valley	0.002	6.0
RBS - 10	536200	6862668	Yellowish brown, in large valley	<0.001	10.0
RBS - 11	536074	6862523	Brown, 15 m. south of GL850 (2009)	0.002	23.0
RBS - 12	5360123	6862492	Brown and light grey	0.001	19.0

### 2011 ROCK SAMPLES – RED BLUFF CLAIMS

Sample Number	NAD 83		DESCRIPTION	Pb PPM	Au PPM	As PPM
	East	North				
RBFL - 1	536137	6862937	Massive sulphydes with quartz banding plus Py, Ag, and galena - float	51	0.002	110.0
RBFL - 2	536125	6862844	Yellow rusty crumbly quartz – float	21	<0.001	5.0



**APPENDIX III**  
**GEOCHEMICAL ANALYTICAL CERTIFICATES**

To: LEE, GARY  
 P.O. BOX 31800  
 WHITEHORSE YT Y1A 6L3

ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com



INVOICE NUMBER 2419093

QUANTITY	CODE	ANALYSED FOR	DESCRIPTION	UNIT PRICE	TOTAL
1	BAT-01		Administration Fee	30.00	30.00
105	PREP-41		Dry, Sieve (180 um) Soil	1.40	147.00
30.84	PREP-41		Weight Charge (kg) - Dry, Sieve (180 um) Soil	2.25	69.39
104	AU-ICP21		Au 30g FA ICP-AES Finish	15.90	1,653.60
105	ME-ICP41		35 Element Aqua Regia ICP-AES	7.10	745.50
105	GEO-AR01		Aqua regia digestion	3.50	367.50

BILLING INFORMATION	
Certificate:	WH11175462
Sample Type:	Soil
Account:	LEEGAR
Date:	27-OCT-2011
Project:	
P.O. No.:	
Quote:	
Terms:	Due on Receipt
Comments:	C3

SUBTOTAL (CAD) \$ 3,012.99  
 R100938885 GST \$ 150.65  
**TOTAL PAYABLE (CAD) \$ 3,163.64**

To: LEE, GARY  
 P.O. BOX 31800  
 WHITEHORSE YT Y1A 6L3

Payment may be made by: Cheque or Bank Transfer  
 Beneficiary Name: ALS Canada Ltd.  
 Bank: Royal Bank of Canada  
 SWIFT: ROYCCAT2  
 Address: Vancouver, BC, CAN  
 Account: 003-00010-1001098  
 Please send payment info to accounting.canusa@alsglobal.com

Please Remit Payments To :  
**ALS Canada Ltd.**  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7





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Page: 1  
 Finalized Date: 27-OCT-2011  
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**CERTIFICATE WH11175462**

Project:  
 P.O. No.:  
 This report is for 105 Soil samples submitted to our lab in Whitehorse, YT, Canada on 2-SEP-2011.  
 The following have access to data associated with this certificate:

GARY LEE

**SAMPLE PREPARATION**

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

**Signature:**

Colin Ramshaw, Vancouver Laboratory Manager



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 Finalized Date: 27-OCT-2011  
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Page: 2 - A  
 Total # Pages: 4 (A - C)  
 Plus Appendix Pages

**CERTIFICATE OF ANALYSIS WH11175462**

Method Analyte Units LOR	Sample Description	WEI-21 Recvd Wt. kg	Au ppm	Au-ICP21 ppm	Ag ppm	ME-ICP41 %	Al %	ME-ICP41 %	As ppm	ME-ICP41 ppm	B ppm	ME-ICP41 ppm	Ba ppm	ME-ICP41 ppm	Be ppm	ME-ICP41 ppm	Bi ppm	ME-ICP41 ppm	Ca %	ME-ICP41 %	Cd ppm	ME-ICP41 ppm	Co ppm	ME-ICP41 ppm	Cr ppm	ME-ICP41 ppm	Cu ppm	ME-ICP41 ppm	Fe %
	SRU-1	0.32	0.020	<0.2	0.21	2.08	71	<10	<10	20	<0.5	2	<0.5	8	<0.5	38	18	6.68											
	SRU-2	0.42	0.002	0.2	2.81	2.03	72	<10	30	<0.5	2	<0.5	8	<0.5	34	17	5.44												
	SRU-3	0.42	0.002	0.2	2.03	49	<10	<10	40	<0.5	2	<0.5	8	<0.5	29	14	4.62												
	SRU-4	0.56	0.005	<0.2	2.38	180	<10	<10	20	0.5	2	<0.5	11	<0.5	35	54	6.32												
	SRU-5	0.32	0.002	<0.2	1.83	49	<10	<10	10	<0.5	2	<0.5	9	<0.5	28	22	4.95												
	SRU-6	0.20	0.002	<0.2	2.08	71	<10	<10	20	<0.5	3	<0.5	13	<0.5	27	24	4.50												
	SRU-7	0.26	0.001	0.3	2.13	103	<10	<10	50	0.5	2	<0.5	13	<0.5	31	25	5.51												
	SRU-8	0.30	0.002	0.8	1.72	79	<10	<10	30	<0.5	2	<0.5	32	<0.5	31	19	5.35												
	SRU-9	0.28	0.003	0.3	1.80	109	<10	<10	20	<0.5	<2	<0.5	11	<0.5	28	20	4.69												
	SRU-10	0.38	0.004	<0.2	2.19	253	<10	<10	20	<0.5	<2	<0.5	14	<0.5	36	27	6.36												
	SRU-11	0.40	0.016	<0.2	1.74	376	<10	<10	20	<0.5	2	<0.5	15	<0.5	28	26	6.00												
	SRU-12	0.28	0.002	0.4	2.24	260	<10	<10	40	<0.5	5	<0.5	15	<0.5	39	25	9.06												
	SRU-13	0.26	0.006	0.2	1.56	235	<10	<10	30	<0.5	3	<0.5	8	<0.5	23	22	5.65												
	SRU-14	0.32	0.001	0.5	1.29	73	<10	<10	40	<0.5	2	<0.5	4	<0.5	21	21	4.89												
	SRU-15	0.40	0.003	<0.2	2.01	87	<10	<10	20	<0.5	2	<0.5	12	<0.5	32	24	5.56												
	SRU-16	0.18	0.001	<0.2	0.53	3	<10	<10	10	<0.5	<2	<0.5	1	<0.5	3	4	0.49												
	SRU-17	0.40	0.157	<0.2	1.55	50	<10	<10	40	<0.5	2	<0.5	10	<0.5	26	22	4.60												
	SRU-18	0.42	0.004	<0.2	2.18	43	<10	<10	20	<0.5	2	<0.5	13	<0.5	30	22	4.66												
	SRU-19	0.24	0.003	<0.2	1.90	55	<10	<10	10	<0.5	2	<0.5	11	<0.5	29	20	5.20												
	SRU-20	0.34	0.003	<0.2	1.89	34	<10	<10	10	<0.5	2	<0.5	14	<0.5	27	26	4.47												
	SRU-21	0.28	0.003	<0.2	2.08	104	<10	<10	30	<0.5	<2	<0.5	10	<0.5	31	23	5.05												
	SRU-22	0.30	0.005	<0.2	2.45	208	<10	<10	20	<0.5	<2	<0.5	12	<0.5	35	24	5.42												
	SRU-23	0.24	0.004	<0.2	2.34	296	<10	<10	30	<0.5	2	<0.5	12	<0.5	33	25	5.35												
	SRU-24	0.24	0.008	0.2	2.30	101	<10	<10	30	<0.5	2	<0.5	22	<0.5	34	21	5.20												
	SRU-25	0.16	0.002	0.3	1.17	81	<10	<10	50	<0.5	2	<0.5	39	<0.5	24	21	5.03												
	SRU-26	0.18	0.004	<0.2	1.57	69	<10	<10	30	0.6	3	<0.5	40	<0.5	20	31	3.26												
	SRU-27	0.26	0.017	0.3	2.09	114	<10	<10	10	0.7	3	<0.5	39	<0.5	32	49	6.77												
	SRU-28	0.34	0.005	0.2	2.21	105	<10	<10	20	0.6	3	<0.5	31	<0.5	30	32	5.14												
	SRU-29	0.18	0.016	0.2	1.08	24	<10	<10	30	<0.5	3	<0.5	5	<0.5	20	22	4.79												
	SRU-30	0.14	0.009	0.2	0.87	17	<10	<10	10	<0.5	2	<0.5	4	<0.5	12	13	2.47												
	SRU-31	0.14	0.004	<0.2	0.36	2	<10	<10	<10	<0.5	2	<0.5	1	<0.5	3	2	0.48												
	SRU-32	0.30	0.006	<0.2	2.29	80	<10	<10	10	1.1	4	<0.5	90	<0.5	30	69	6.60												
	SRU-33	0.22	0.005	0.3	2.60	53	<10	<10	10	1.0	2	<0.5	77	<0.5	33	60	6.23												
	SRU-34	0.28	0.006	<0.2	1.43	89	<10	<10	20	0.5	3	<0.5	7	<0.5	25	30	5.84												
	SRU-35	0.36	0.004	0.3	2.27	83	<10	<10	30	0.6	<2	<0.5	25	<0.5	33	31	5.45												
	SRU-36	0.30	0.003	0.2	1.59	69	<10	<10	40	<0.5	<2	<0.5	10	<0.5	29	17	4.80												
	SRU-37	0.28	0.004	0.2	1.67	62	<10	<10	50	<0.5	<2	<0.5	12	<0.5	35	17	5.82												
	SRU-38	0.18	0.002	<0.2	0.29	3	<10	<10	20	<0.5	<2	<0.5	1	<0.5	3	3	0.47												
	SRU-39	0.36	0.003	0.2	2.12	47	<10	<10	30	0.9	2	<0.5	50	<0.5	30	47	5.21												
	SRU-40	0.30	0.003	0.4	2.14	47	<10	<10	30	1.0	<2	<0.5	102	<0.5	26	55	5.34												

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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Page: 2 - B  
 Total # Pages: 4 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 27-OCT-2011  
 Account: LEEGAR

**CERTIFICATE OF ANALYSIS WH11175462**

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm	ME-ICP41 Sr ppm
SRU-1		10	<1	0.04	30	0.58	554	1	0.01	18	1330	19	0.02	<2	2	1
SRU-2		10	<1	0.04	30	0.65	437	1	0.01	18	520	21	0.02	<2	2	5
SRU-3		10	<1	0.04	40	0.35	491	1	<0.01	12	600	20	0.01	2	2	5
SRU-4		10	<1	0.03	30	0.68	507	2	0.01	22	730	132	0.04	<2	1	8
SRU-5		10	<1	0.03	20	0.56	404	2	<0.01	23	690	20	0.02	<2	1	5
SRU-6		10	<1	0.03	30	0.65	414	1	0.01	24	550	46	0.02	<2	1	5
SRU-7		10	<1	0.06	30	0.46	455	2	0.01	25	750	35	0.02	<2	1	9
SRU-8		10	<1	0.04	30	0.36	1235	2	0.01	18	2000	28	0.02	<2	1	8
SRU-9		10	<1	0.04	30	0.48	427	1	0.01	22	1110	27	0.02	<2	1	6
SRU-10		10	<1	0.04	30	0.63	617	1	<0.01	28	1750	33	0.02	<2	2	7
SRU-11		10	<1	0.04	30	0.49	908	2	0.01	23	2420	36	0.02	<2	1	7
SRU-12		10	<1	0.06	30	0.47	1055	1	0.01	21	3900	42	0.03	<2	1	9
SRU-13		10	<1	0.04	30	0.31	426	2	<0.01	18	2330	28	0.02	<2	1	11
SRU-14		10	<1	0.03	40	0.13	242	2	<0.01	11	1780	26	0.02	2	1	9
SRU-15		10	<1	0.02	30	0.59	957	1	<0.01	22	1050	24	0.02	<2	1	6
SRU-16		<10	<1	0.02	<10	0.03	27	1	0.02	2	400	3	0.02	<2	<1	7
SRU-17		10	<1	0.05	20	0.17	650	2	0.01	13	2450	27	0.05	2	<1	9
SRU-18		10	<1	0.04	40	0.71	378	1	<0.01	27	390	20	<0.01	<2	1	6
SRU-19		10	<1	0.03	40	0.56	288	1	0.01	21	690	18	0.01	<2	1	5
SRU-20		10	<1	0.02	30	0.67	289	1	0.01	30	750	21	0.01	<2	1	8
SRU-21		10	<1	0.05	40	0.53	498	1	0.01	21	1240	24	0.01	<2	1	7
SRU-22		10	<1	0.04	40	0.72	550	1	0.01	28	490	27	0.02	<2	2	7
SRU-23		10	<1	0.04	40	0.72	510	1	0.01	28	580	29	0.02	<2	2	7
SRU-24		10	<1	0.04	30	0.52	678	1	<0.01	24	740	28	0.02	<2	1	8
SRU-25		10	<1	0.05	30	0.22	2570	1	0.01	18	3780	37	0.02	<2	1	8
SRU-26		<10	<1	0.05	20	0.40	1350	1	0.01	33	500	32	0.02	<2	1	10
SRU-27		10	<1	0.04	30	0.45	875	2	<0.01	42	1210	45	0.04	<2	1	10
SRU-28		10	<1	0.04	40	0.65	1190	1	<0.01	38	540	40	0.02	<2	1	6
SRU-29		10	<1	0.04	20	0.20	582	1	0.01	11	1530	25	0.07	<2	<1	9
SRU-30		<10	<1	0.02	10	0.12	122	1	0.01	8	470	12	0.03	<2	<1	4
SRU-31		<10	<1	0.02	<10	0.02	19	1	0.03	1	410	2	0.03	2	<1	7
SRU-32		10	<1	0.03	40	0.72	2140	2	<0.01	52	1180	71	0.02	2	2	5
SRU-33		<10	<1	0.02	30	0.69	1670	1	<0.01	71	730	64	0.02	2	2	4
SRU-34		10	<1	0.03	20	0.34	422	2	<0.01	15	1880	25	0.05	2	<1	8
SRU-35		10	<1	0.03	40	0.74	644	1	<0.01	33	710	31	<0.01	<2	2	6
SRU-36		10	<1	0.05	30	0.44	544	1	<0.01	19	2650	22	0.01	<2	1	11
SRU-37		10	<1	0.03	30	0.41	558	1	<0.01	21	1110	23	0.01	<2	1	6
SRU-38		<10	<1	0.02	<10	0.02	51	<1	0.01	2	340	3	<0.01	<2	<1	7
SRU-39		10	<1	0.04	30	0.65	2730	1	<0.01	58	1400	48	0.02	<2	1	7
SRU-40		<10	<1	0.03	30	0.65	6100	1	<0.01	85	1260	47	<0.01	<2	2	13



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 Finalized Date: 27-OCT-2011  
 Account: LEEGAR

**CERTIFICATE OF ANALYSIS WH11175462**

Sample Description	Method Analyte Units LOR	ME-ICP41		ME-ICP41		ME-ICP41		ME-ICP41		ME-ICP41	
		Th ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm			
SRU-1		<20	0.02	<10	<10	34	<10	<10	74		
SRU-2		<20	0.01	<10	<10	23	<10	<10	70		
SRU-3		<20	0.01	<10	<10	30	<10	<10	52		
SRU-4		<20	0.01	<10	<10	19	<10	<10	90		
SRU-5		<20	<0.01	<10	<10	21	<10	<10	83		
SRU-6		<20	0.01	<10	<10	15	<10	<10	83		
SRU-7		<20	0.01	<10	<10	25	<10	<10	77		
SRU-8		<20	0.02	<10	<10	31	<10	<10	76		
SRU-9		<20	0.01	<10	<10	26	<10	<10	73		
SRU-10		<20	0.02	<10	<10	28	<10	<10	104		
SRU-11		<20	0.01	<10	<10	27	<10	<10	86		
SRU-12		<20	0.02	<10	<10	38	<10	<10	87		
SRU-13		<20	0.02	<10	<10	30	<10	<10	80		
SRU-14		<20	0.02	<10	<10	31	<10	<10	53		
SRU-15		<20	0.01	<10	<10	22	<10	<10	85		
SRU-16		<20	0.01	<10	<10	6	<10	<10	5		
SRU-17		<20	0.01	<10	<10	35	<10	<10	53		
SRU-18		<20	0.01	<10	<10	19	<10	<10	84		
SRU-19		<20	0.01	<10	<10	22	<10	<10	73		
SRU-20		<20	0.01	<10	<10	17	<10	<10	86		
SRU-21		<20	0.01	<10	<10	23	<10	<10	86		
SRU-22		<20	<0.01	<10	<10	19	<10	<10	99		
SRU-23		<20	0.01	<10	<10	20	<10	<10	110		
SRU-24		<20	0.01	<10	<10	25	<10	<10	107		
SRU-25		<20	0.01	<10	<10	25	<10	<10	136		
SRU-26		<20	0.01	<10	<10	13	<10	<10	80		
SRU-27		<20	<0.01	<10	<10	17	<10	<10	105		
SRU-28		<20	0.01	<10	<10	17	<10	<10	101		
SRU-29		<20	0.01	<10	<10	22	<10	<10	62		
SRU-30		<20	0.01	<10	<10	14	<10	<10	43		
SRU-31		<20	0.01	<10	<10	6	<10	<10	16		
SRU-32		<20	<0.01	<10	<10	16	<10	<10	130		
SRU-33		<20	0.01	<10	<10	16	<10	<10	141		
SRU-34		<20	0.01	<10	<10	22	<10	<10	71		
SRU-35		<20	0.01	<10	<10	20	<10	<10	100		
SRU-36		<20	0.01	<10	<10	26	<10	<10	104		
SRU-37		<20	0.01	<10	<10	28	<10	<10	85		
SRU-38		<20	0.01	<10	<10	7	<10	<10	12		
SRU-39		<20	<0.01	<10	<10	15	<10	<10	127		
SRU-40		<20	<0.01	<10	<10	15	<10	<10	129		



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 Total # Pages: 4 (A - C)  
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**CERTIFICATE OF ANALYSIS WH11175462**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
SRU-40A		0.32	0.006	0.3	2.22	132	<10	20	1.3	<2	0.04	<0.5	70	23	82	6.66
SRU-41		0.26	0.010	0.2	1.83	119	<10	30	<0.5	<2	0.05	<0.5	22	28	30	5.34
SRU-42		0.26	0.027	0.3	0.80	97	<10	40	<0.5	<2	0.03	<0.5	12	21	33	4.83
SRU-43		0.30	0.159	0.3	1.95	2300	<10	40	0.9	<2	0.05	<0.5	50	14	42	5.25
SRU-44		0.26	0.005	0.2	2.24	92	<10	30	0.5	<2	0.01	<0.5	14	33	26	5.45
SRU-45		0.20	0.001	<0.2	0.90	16	<10	30	<0.5	<2	0.03	<0.5	4	11	12	2.74
SRU-46		0.12	0.002	<0.2	0.82	14	<10	20	<0.5	<2	0.08	<0.5	9	4	8	0.83
SRU-47		0.28	0.004	0.2	1.42	219	<10	40	<0.5	<2	0.02	<0.5	11	17	17	4.61
SRU-48		0.26	0.008	0.2	2.16	313	<10	30	0.7	<2	0.03	<0.5	40	29	38	4.87
SRU-49		0.30	0.003	<0.2	1.39	93	<10	30	<0.5	<2	0.02	<0.5	6	21	16	4.24
SRU-50		0.20	0.003	0.8	1.63	74	<10	30	<0.5	<2	0.05	<0.5	9	23	17	4.82
SRU-51		0.28	0.003	0.3	1.51	47	<10	50	<0.5	<2	0.02	<0.5	8	20	13	5.47
SRU-52		0.24	0.009	0.5	1.78	44	<10	60	<0.5	<2	0.03	<0.5	8	22	18	4.71
SRU-53		0.26	0.002	0.2	2.56	82	<10	30	<0.5	<2	0.01	<0.5	17	37	34	5.15
SRU-54		0.26	0.053	0.3	1.49	1540	<10	20	0.8	<2	0.03	<0.5	39	19	43	6.60
SRU-55		0.26	0.006	0.2	2.47	83	<10	30	<0.5	<2	0.01	<0.5	18	37	31	4.98
SRU-56		0.22	0.001	0.3	1.39	32	<10	40	<0.5	<2	0.06	<0.5	8	14	12	2.39
SRU-57		0.28	0.001	0.2	2.54	63	<10	50	<0.5	<2	0.01	<0.5	9	32	15	5.07
SRU-58		0.22	<0.001	0.2	1.46	41	<10	40	<0.5	<2	0.02	<0.5	5	21	12	4.21
SRU-59		0.22	0.002	0.2	2.20	61	<10	50	<0.5	<2	0.02	<0.5	6	29	12	4.80
SRU-60		0.24	0.007	0.2	2.03	102	<10	30	<0.5	<2	0.01	<0.5	7	29	18	5.06
ZS-1		0.26	0.001	<0.2	2.10	23	<10	40	0.6	<2	0.02	<0.5	8	28	28	4.90
ZS-2		0.24	0.002	<0.2	2.14	39	<10	40	0.7	<2	0.02	<0.5	12	32	33	5.08
ZS-3		0.20	0.002	0.2	1.84	13	<10	30	<0.5	<2	0.06	<0.5	8	27	23	3.40
ZS-4		0.28	0.002	0.2	2.26	21	<10	30	0.5	<2	0.08	<0.5	15	35	28	4.51
ZS-5		0.38	0.002	<0.2	2.51	23	<10	40	0.6	<2	0.06	<0.5	13	36	32	4.82
ZS-6		0.34	<0.001	0.2	2.29	20	<10	20	<0.5	<2	0.02	<0.5	15	35	23	4.61
ZS-7		0.28	0.001	<0.2	2.36	17	<10	40	<0.5	<2	0.07	<0.5	11	36	22	4.60
ZS-8		0.30	0.002	<0.2	2.33	18	<10	20	0.5	<2	0.08	<0.5	14	36	26	4.72
ZS-9		0.22	0.003	0.3	1.83	16	<10	50	0.5	<2	0.03	<0.5	8	24	24	3.22
ZS-10		0.36	0.001	0.2	2.20	38	<10	40	0.5	<2	0.06	<0.5	11	34	30	4.90
ZS-11		0.18	0.003	0.3	0.48	16	<10	20	<0.5	<2	0.02	<0.5	2	7	9	1.07
ZS-12		0.18	0.011	0.2	0.83	9	<10	20	<0.5	<2	0.02	<0.5	3	10	16	1.77
ZS-13		0.18	0.001	0.4	1.27	23	<10	40	<0.5	<2	0.02	<0.5	10	19	19	4.88
ZS-14		0.14	0.001	0.4	0.50	<2	<10	20	<0.5	<2	0.03	<0.5	1	3	3	0.44
ZS-15		0.34	0.001	0.5	1.83	53	<10	40	0.8	<2	0.06	<0.5	23	28	30	4.43
ZS-16		0.24	<0.001	0.3	1.29	27	<10	40	0.7	<2	0.17	<0.5	10	18	42	2.64
ZS-17		0.32	0.001	0.3	1.91	29	<10	40	<0.5	<2	0.05	<0.5	14	28	12	3.80
ZS-18		0.36	0.002	0.5	1.98	81	<10	40	0.6	<2	0.02	<0.5	14	27	20	5.38
ZS-19		0.24	0.003	0.2	1.03	40	<10	40	0.5	<2	0.05	<0.5	14	14	20	2.19

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*





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**CERTIFICATE OF ANALYSIS WH11175462**

Sample Description	Method Analyte Units LOR	ME-ICP41									
		Th ppm	TI %	TI ppm	U ppm	V ppm	W ppm	Zn ppm	Zn ppm	Zn ppm	Zn ppm
SRU-40A		<20	<0.01	<10	<10	12	<10	<10	152		
SRU-41		<20	0.01	<10	<10	19	<10	<10	103		
SRU-42		<20	0.01	<10	<10	25	<10	<10	91		
SRU-43		<20	<0.01	<10	<10	11	<10	<10	117		
SRU-44		<20	0.01	<10	<10	21	<10	<10	86		
SRU-45		<20	0.02	<10	<10	15	<10	<10	47		
SRU-46		<20	0.01	<10	<10	9	<10	<10	27		
SRU-47		<20	0.01	<10	<10	21	<10	<10	73		
SRU-48		<20	0.01	<10	<10	17	<10	<10	109		
SRU-49		<20	0.02	<10	<10	29	<10	<10	48		
SRU-50		<20	0.01	<10	<10	23	<10	<10	77		
SRU-51		<20	0.02	<10	<10	33	<10	<10	66		
SRU-52		<20	0.02	<10	<10	31	<10	<10	65		
SRU-53		<20	0.01	<10	<10	19	<10	<10	107		
SRU-54		<20	<0.01	<10	<10	14	<10	<10	144		
SRU-55		<20	0.01	<10	<10	19	<10	<10	102		
SRU-56		<20	0.02	<10	<10	14	<10	<10	48		
SRU-57		<20	0.01	<10	<10	23	<10	<10	83		
SRU-58		<20	0.02	<10	<10	46	<10	<10	56		
SRU-59		<20	0.01	<10	<10	25	<10	<10	57		
SRU-60		<20	0.01	<10	<10	21	<10	<10	79		
ZS-1		<20	0.01	<10	<10	23	<10	<10	79		
ZS-2		<20	0.01	<10	<10	22	<10	<10	89		
ZS-3		<20	0.01	<10	<10	15	<10	<10	80		
ZS-4		<20	0.01	<10	<10	19	<10	<10	99		
ZS-5		<20	0.01	<10	<10	22	<10	<10	106		
ZS-6		<20	0.01	<10	<10	19	<10	<10	98		
ZS-7		<20	0.01	<10	<10	20	<10	<10	97		
ZS-8		<20	0.01	<10	<10	19	<10	<10	101		
ZS-9		<20	0.01	<10	<10	15	<10	<10	66		
ZS-10		<20	0.01	<10	<10	20	<10	<10	93		
ZS-11		<20	0.02	<10	<10	12	<10	<10	40		
ZS-12		<20	0.02	<10	<10	13	<10	<10	46		
ZS-13		<20	0.01	<10	<10	33	<10	<10	103		
ZS-14		<20	0.02	<10	<10	7	<10	<10	21		
ZS-15		<20	0.01	<10	<10	22	<10	<10	133		
ZS-16		<20	0.01	<10	<10	12	<10	<10	82		
ZS-17		<20	0.01	<10	<10	16	<10	<10	124		
ZS-18		<20	<0.01	<10	<10	21	<10	<10	97		
ZS-19		<20	0.01	<10	<10	11	<10	<10	52		



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**CERTIFICATE OF ANALYSIS WH11175462**

Method Analyte Units LOR	Sample Description	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
	ZS-20	0.26	0.003	0.4	0.01	78	<10	40	0.7	<2	0.11	<0.5	16	25	25	4.29
	ZS-21	0.32	0.003	0.2	2.10	36	<10	20	0.8	<2	0.02	<0.5	27	29	41	5.45
	ZS-22	0.18	0.003	0.5	1.21	28	<10	60	<0.5	<2	0.45	<0.5	7	15	31	2.10
	ZS-23	0.48	0.003	0.3	2.35	82	<10	50	0.6	<2	0.01	<0.5	11	35	40	5.13
	ZS-24	0.30	0.001	0.2	1.55	47	<10	30	0.5	<2	0.09	<0.5	12	24	19	4.23
	ZS-25	0.42	0.002	0.2	1.99	18	<10	20	<0.5	<2	0.02	<0.5	7	32	26	7.43
	ZS-26	0.32	0.001	0.2	1.66	141	<10	20	<0.5	<2	0.01	<0.5	5	30	38	7.65
	ZST-1	0.36	0.001	0.2	2.28	131	<10	10	1.3	<2	0.06	<0.5	99	31	55	4.72
	ZST-2	0.56	<0.001	0.2	2.34	91	<10	10	1.8	2	0.06	<0.5	109	30	54	4.49
	ZST-3	0.42	0.009	0.2	2.40	102	<10	10	2.0	<2	0.05	<0.5	85	29	54	4.37
	ZST-4	0.58	0.001	0.3	2.42	114	<10	10	2.0	<2	0.05	<0.5	115	28	58	4.38
	SPILL	0.18	NSS	0.2	2.11	119	<10	20	1.2	<2	0.07	<0.5	78	29	47	4.45
	RBS-1	0.36	0.002	0.3	1.85	27	<10	30	0.5	<2	0.03	<0.5	9	33	19	6.17
	RBS-2	0.38	<0.001	<0.2	2.36	23	<10	40	0.6	<2	0.03	<0.5	10	35	29	4.69
	RBS-3	0.30	0.002	0.2	2.25	43	<10	40	0.6	<2	0.04	<0.5	10	37	28	5.44
	RBS-4	0.32	<0.001	0.3	1.67	25	<10	40	0.6	<2	0.08	<0.5	8	26	18	4.97
	RBS-5	0.18	<0.001	0.2	0.70	3	<10	20	<0.5	<2	0.07	<0.5	2	5	5	0.86
	RBS-6	0.34	0.001	0.3	1.99	26	<10	20	<0.5	<2	0.01	<0.5	7	31	15	5.73
	RBS-7	0.30	0.002	<0.2	2.50	24	<10	40	0.5	<2	0.03	<0.5	9	34	22	5.25
	RBS-8	0.42	0.002	0.3	2.44	28	<10	30	0.5	<2	0.03	<0.5	9	35	22	5.57
	RBS-9	0.26	0.002	<0.2	1.18	6	<10	20	<0.5	<2	0.02	<0.5	4	21	13	4.42
	RBS-10	0.34	<0.001	0.3	1.21	10	<10	40	<0.5	<2	0.03	<0.5	4	22	17	5.23
	RBS-11	0.36	0.002	0.2	2.06	23	<10	40	0.5	<2	0.02	<0.5	7	32	21	5.13
	RBS-12	0.38	0.001	0.3	2.38	19	<10	30	<0.5	<2	0.01	<0.5	9	36	21	4.91
	RUST 41	0.50	0.006	0.3	1.36	92	<10	20	<0.5	<2	0.35	<0.5	11	25	19	2.78

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**CERTIFICATE OF ANALYSIS WH11175462**

Method Analyte Units LOR	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm	ME-ICP41 Sr ppm
ZS-20	10	<1	0.05	30	0.55	518	1	<0.01	23	730	48	<0.01	<2	1	17
ZS-21	10	<1	0.04	40	0.72	596	<1	<0.01	30	820	48	<0.01	<2	2	14
ZS-22	<10	<1	0.03	30	0.31	232	<1	<0.01	15	550	24	0.02	<2	1	29
ZS-23	10	<1	0.08	30	0.82	474	1	<0.01	22	690	43	0.01	<2	2	8
ZS-24	10	<1	0.03	30	0.48	616	1	<0.01	22	620	20	<0.01	<2	1	12
ZS-25	10	<1	0.02	20	0.38	470	1	<0.01	17	1920	18	0.01	<2	1	5
ZS-26	10	<1	0.03	30	0.44	313	1	<0.01	11	1700	77	0.03	<2	1	17
ZST-1	10	1	0.02	50	0.80	1235	1	<0.01	71	630	41	0.04	<2	2	13
ZST-2	<10	<1	0.02	60	0.78	1325	<1	<0.01	88	620	37	0.03	2	2	11
ZST-3	<10	<1	0.02	60	0.77	1165	<1	<0.01	73	640	37	0.02	<2	2	12
ZST-4	10	<1	0.02	60	0.77	1415	<1	<0.01	85	610	42	0.04	<2	2	12
SPILL	10	<1	0.02	40	0.72	1075	<1	<0.01	62	640	38	0.03	<2	1	12
RBS-1	10	<1	0.03	30	0.52	366	<1	<0.01	15	2450	26	0.01	2	1	18
RBS-2	10	<1	0.06	30	0.88	376	<1	<0.01	21	550	25	<0.01	<2	2	15
RBS-3	10	<1	0.04	20	0.77	477	<1	<0.01	25	1250	31	<0.01	<2	2	13
RBS-4	10	<1	0.03	20	0.39	493	1	<0.01	16	1610	26	0.01	<2	1	23
RBS-5	<10	<1	0.02	<10	0.04	91	<1	0.01	2	770	5	0.02	<2	<1	13
RBS-6	10	<1	0.02	20	0.55	307	<1	<0.01	12	830	23	<0.01	<2	1	11
RBS-7	10	<1	0.03	20	0.69	363	<1	<0.01	19	560	26	<0.01	<2	2	14
RBS-8	10	<1	0.02	20	0.62	343	1	<0.01	21	730	24	0.01	<2	2	15
RBS-9	10	<1	0.03	10	0.17	294	1	<0.01	8	1320	19	0.02	<2	<1	12
RBS-10	10	<1	0.03	20	0.22	255	1	<0.01	8	1230	23	0.02	<2	1	23
RBS-11	10	<1	0.03	20	0.61	362	<1	<0.01	17	1040	28	<0.01	<2	1	16
RBS-12	10	<1	0.04	20	0.83	360	<1	<0.01	20	470	21	<0.01	<2	2	10
RUST 41	<10	<1	0.02	10	0.40	807	<1	<0.01	28	1490	16	0.06	<2	1	20



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**CERTIFICATE OF ANALYSIS WH11175462**

Sample Description	Method Analyte Units LOR	ME-ICP41										
		Th ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Zn ppm	Zn ppm	Zn ppm	
ZS-20		<20	0.01	<10	<10	<10	18	<10	<10	101		
ZS-21		<20	<0.01	<10	<10	16	<10	<10	<10	114		
ZS-22		<20	0.01	<10	<10	11	<10	<10	<10	54		
ZS-23		<20	0.01	<10	<10	21	<10	<10	<10	97		
ZS-24		<20	0.02	<10	<10	26	<10	<10	<10	97		
ZS-25		<20	0.02	<10	<10	30	<10	<10	<10	75		
ZS-26		<20	0.02	<10	<10	30	<10	<10	<10	95		
ZST-1		<20	0.01	<10	<10	16	<10	<10	<10	244		
ZST-2		<20	0.01	<10	<10	15	<10	<10	<10	283		
ZST-3		<20	0.01	<10	<10	15	<10	<10	<10	261		
ZST-4		<20	0.01	<10	<10	15	<10	<10	<10	286		
SPILL		<20	0.01	<10	<10	17	<10	<10	<10	230		
RBS-1		<20	0.03	<10	<10	34	<10	<10	<10	75		
RBS-2		<20	0.01	<10	<10	18	<10	<10	<10	82		
RBS-3		<20	0.02	<10	<10	24	<10	<10	<10	104		
RBS-4		<20	0.02	<10	<10	30	<10	<10	<10	80		
RBS-5		<20	0.01	<10	<10	7	<10	<10	<10	25		
RBS-6		<20	0.02	<10	<10	22	<10	<10	<10	69		
RBS-7		<20	0.02	<10	<10	21	<10	<10	<10	78		
RBS-8		<20	0.02	<10	<10	25	<10	<10	<10	80		
RBS-9		<20	0.02	<10	<10	32	<10	<10	<10	45		
RBS-10		<20	0.03	<10	<10	31	<10	<10	<10	55		
RBS-11		<20	0.01	<10	<10	24	<10	<10	<10	69		
RBS-12		<20	0.02	<10	<10	20	<10	<10	<10	78		
RUST 41		<20	0.01	<10	<10	17	<10	<10	<10	82		



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**CERTIFICATE WH11175463**

Project:  
 P.O. No.:  
 This report is for 14 Rock samples submitted to our lab in Whitehorse, YT, Canada  
 on 2-SEP-2011.  
 The following have access to data associated with this certificate:  
 GARY LEE

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% < 2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% < 75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
Au- GRA21	Au 30g FA- GRAV finish	WST- SIM

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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Method Analyte Units LOR	Sample Description	WEL-21 Recvd Wt. kg	Au-ICP21 Au ppm	Air-GRAZ1 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
	RUFL-18	0.25	0.023		<0.2	1.21	415	<10	40	<0.5	3	0.14	<0.5	2	13	5
	RUFL-19	0.99	0.001		<0.2	1.87	13	<10	20	<0.5	2	0.15	<0.5	15	17	20
	RUFL-20	0.99	0.001		<0.2	1.39	20	<10	10	<0.5	2	0.11	<0.5	13	14	13
	RUFL-21	0.99	0.002		<0.2	0.47	128	<10	10	<0.5	3	0.06	<0.5	2	12	6
	RUFL-22	2.29	<0.001		<0.2	0.71	30	<10	10	<0.5	3	0.09	<0.5	7	20	5
	RUOC-1	1.02	<0.001		<0.2	1.62	5	<10	10	<0.5	2	0.14	<0.5	5	21	9
	RUOC-2	1.86	0.002		<0.2	1.72	10	<10	10	<0.5	3	0.12	<0.5	8	22	13
	RUOC-3	0.97	0.003		8.3	2.64	5	<10	30	1.1	19	0.54	1.3	30	46	101
	RBFL-1	1.12	0.002		<0.2	0.55	110	<10	10	<0.5	2	1.13	<0.5	3	14	9
	RBFL-2	1.44	<0.001		<0.2	0.49	5	10	20	0.5	4	0.03	<0.5	2	15	19
	CFL-1	1.14	0.001		0.2	1.78	18	<10	70	<0.5	3	0.59	<0.5	23	27	30
	ZFL-1	4.66	0.001		0.4	3.55	42	<10	30	<0.5	3	0.51	<0.5	25	198	319
	ZFL-2	3.51	<0.001		0.3	0.60	4	<10	10	<0.5	3	0.32	<0.5	7	23	16
	NT	2.64	>10.0	20.4	3.3	0.29	1170	<10	20	<0.5	3	0.01	<0.5	1	20	4



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Method Analyte Units LOR	ME-ICP41 Fe %	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm
RUFL-18	3.02	<10	<1	0.09	10	0.31	96	<1	0.03	8	460	4	0.06	26	2
RUFL-19	3.99	<10	1	0.06	10	0.67	295	<1	0.02	23	680	22	0.09	11	2
RUFL-20	2.71	<10	<1	0.05	10	0.39	152	<1	0.02	27	530	13	0.01	6	2
RUFL-21	1.22	<10	<1	0.08	10	0.10	101	1	0.02	4	280	18	0.01	4	<1
RUFL-22	1.78	<10	<1	0.06	10	0.18	236	1	0.03	17	370	15	0.01	2	1
RUOC-1	3.50	<10	1	0.05	10	0.57	189	1	0.01	15	730	4	0.01	<2	1
RUOC-2	3.97	<10	<1	0.13	10	0.55	361	1	0.02	34	670	24	0.05	<2	2
RUOC-3	4.52	10	<1	0.10	10	0.98	1970	1	0.08	39	400	3690	0.53	2	5
RBFL-1	2.24	<10	<1	0.05	10	0.23	1180	1	0.04	9	590	51	0.18	<2	1
RBFL-2	1.22	<10	<1	0.07	30	0.09	173	1	0.04	7	200	21	0.02	<2	1
CFL-1	5.09	<10	<1	0.19	10	0.55	959	<1	0.03	32	590	101	1.82	<2	2
ZFL-1	5.19	10	<1	0.03	10	2.72	499	1	0.03	44	630	14	0.21	<2	10
ZFL-2	1.69	<10	<1	0.02	<10	0.24	279	2	0.03	10	390	6	0.13	<2	1
NT	1.18	<10	<1	0.10	10	0.01	84	1	0.01	3	70	45	0.02	2	<1



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**CERTIFICATE OF ANALYSIS WH11175463**

Method Analyte Units LOR	ME-ICP41 Sr ppm	ME-ICP41 Th ppm	ME-ICP41 Ti %	ME-ICP41 Ti ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm
RUFL-18	7	<20	<0.01	<10	<10	8	<10	36
RUFL-19	10	<20	<0.01	<10	<10	10	<10	58
RUFL-20	8	<20	<0.01	<10	<10	5	<10	50
RUFL-21	7	<20	<0.01	<10	<10	3	<10	14
RUFL-22	7	<20	<0.01	<10	<10	4	<10	29
RUOC-1	18	<20	<0.01	<10	<10	9	<10	68
RUOC-2	11	<20	<0.01	<10	<10	9	<10	71
RUOC-3	31	<20	<0.01	<10	<10	29	<10	183
RBFL-1	24	<20	<0.01	<10	<10	3	<10	30
RBFL-2	30	<20	<0.01	<10	<10	5	<10	20
CFL-1	22	<20	0.01	<10	<10	11	<10	61
ZFL-1	16	<20	0.01	<10	<10	121	<10	78
ZFL-2	16	<20	<0.01	<10	<10	7	<10	31
NT	5	<20	<0.01	<10	<10	2	<10	39

**APPENDIX IV**

**CREW LOG**

