BRITISH COLUMBIA

Ministry of Energy & Mines
Energy & Minerals Division
Geological Survey Branch

ASSESSMENT REPORT
TITLE PAGE AND SUMMARY

TITLE OF REPORT [type of survey(s)]	TOTAL COST
Soil Geochemical & Rock Sampling Report on the Ashlu Property in 2012	**$ 36,467.89**

AUTHOR(S) J.David Williams SIGNATURE(S) J.David Williams

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S) not applicable YEAR OF WORK 2012

STATEMENT OF WORK - CASH PAYMENT EVENT NUMBER(S)/DATE(S) 5401184 / 24 August 2012
5417942 / 22 November 2012

PROPERTY NAME **ASHLU**

CLAIM NAME(S) (on which work was done) Tenures: 560351, 593775, 593776, 593778, 593779, 593782

COMMODITIES SOUGHT Gold, Silver, Copper, Zinc, Tungsten, Bismuth, Tellurium

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN 092GNW013 (Ashlu), 092GNW045 (Tuff), 092GNW047 (Ice)

MINING DIVISION Vancouver NTS 092G.093, 092G.094

LATITUDE 49 ° 56 ' 55.0 " LONGITUDE 123 ° 25 ' 05.4 " (at centre of work)

OWNER(S)

1) Ashlu Mines Inc. 2)

MAILING ADDRESS

2001 - 837 West Hastings Street
Vancouver, BC V6C 3N7

OPERATOR(S) [who paid for the work]

1) Ashlu Mines Inc. 2)

MAILING ADDRESS

2001 - 837 West Hastings Street
Vancouver BC V6C 3N7

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):

Late Jurassic, mid-Cretaceous, Cloudburst Pluton, Squamish Pluton, Gambier group, Ashlu, Ashloo, Pokosha Showing, George Vein, Ice showing, granitoid, granodiorite, quartz dioirite, diabase, hornfels, phyllonite, pendant, hornblendite, marine sediment, volcanic, shearing, chlorite, epidote, quartz, pyrite, pyrrhotite, chalcopyrite, tellurbismuth, calaverite, frohbergite, hessite, gold, silver, copper, tungsten, bismuth, tellurium

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS 00004A, 05592, 06043, 06155, 06774, 07403, 07844 08067, 08084, 08967, 10633, 12163, 13278, 13847, 13873, 14703, 16430, 16486, 16627, 17888, 17889, 17919, 17937, 23664, 24036, 31343, 32702

(OVER)

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for ...)			
Soil	142 samples, 53-element ICP-MS	560351, 593775, 593776, 593778, 593779, 593782	$ 35,468.77
Silt			
Rock	4 samples, 53-element ICP-MS	593775, 593778	$ 999.12
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY/PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST	$ 36,467.89

Soil Geochemical & Rock Sampling Report
on the

ASHLU PROPERTY
in 2012

Sunshine Coast Regional District,
Southwest British Columbia

Tenures Worked:	**560351, 593775, 593776, 593778, 593779, 593782**
Mining Division:	**Vancouver**
NTS:	**092G.093, 092G.094**
Latitude:	**49°56'55.0"N**
Longitude:	**123°25'05.4"W**
Owner & operator:	**Ashlu Mines Inc.**
Field Management:	**Minconsult Exploration Services Ltd.**
Consultant:	**J.David Williams, P.Eng.,**

for
ASHLU MINES Inc.
2001 – 837 West Hastings Street
Vancouver, BC V6C 3N7

by
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J.David Williams, P.Eng.

26 November 2012

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SUMMARY

Ashlu Mines Inc. ["Ashlu Mines"], a privately held resource company based in Vancouver, BC holds mineral tenures in the Ashlu Creek valley and the high mountains overlooking the creek, located about 30 kilometers northwest of the Squamish-Brackendale district. Ashlu Mines' 22 mineral tenures, 5,365 hectares in size, perhaps confusingly, does not include the mining lease enclosing the former Ashlu mine. Accounting for overstaking onto the mining lease, located in the center of Ashlu Mines' claim block, the working size of the Property amounts to 5,094 hectares.

Historically, all or most activity on the Property was centered on the Ashlu mine, which extracted gold, silver and copper from 13,650 tonnes of ore while in production from 1932 to 1939. The mineralization is also known to contain bismuth, tellurium and tungsten.

The bedrock geology consists of overwhelmingly predominant granitoids of the Jurassic Cloudburst Pluton and more recent plutonic rocks. Pendants of marine sediments and volcanics of the Lower Cambrian Gambier Group occur in a few places. Mineralization appears to be structurally controlled by shearing that is often associated with dike rocks of various types, mostly diabase. Quartz occupies the shears and contains sulfide mineralization that tends to occur near the wall rocks as massive or nearly massive pods of pyrite, pyrrhotite and chalcopyrite. The wall rocks can also be mineralized. In the Ashlu Mine, gold and silver grades in the vein are proportional to its sulfide content.

In 2009, Ashlu Mines completed 24-day field program marking the beginning of an ongoing endeavor to assess the mineral potential of its namesake Property. That work consisted of rock, soil and silt sampling that focused on two known prospective areas, the Pokosha Showing and the Ice Showing. Ashlu Mines returned to the property in 2011 to complete a 5-day program of soil sampling that extended Ashlu Mines' continuing effort to develop a Property-wide soil sample database. The 77 soil samples supported the potential of the Ice Showing area.

Following on its endeavor to develop a soil geochemical database covering as much of the Property as possible, Ashlu Mines, over seven days in in August 2012, completed a $36,468 field program that focused on soil sampling along logging roads mid-way up the north slopes of Ashlu Creek. A series of 142 soil, and 4 rock samples were gathered from roads that, due to their often overgrown condition, could be accessed only by helicopter. It was learned that in many places at those elevations, sampling B-horizon soil was difficult, as conventional soil profiles were undeveloped and the amount of soil on cliff-forming slopes was scarce. Many soil samples were noted to be of poor quality.

All the same, the 2012 soil sampling added further support to the potential of the Ice Showing area, perhaps especially to its east where a cluster of highly anomalous gold values are accompanied by several anomalous silver results. Mercury, which in earlier sampling appeared to serve as an effective pathfinder to mineralization, also expresses elevated assays in that location and elsewhere in the area.

Although the Ice Showing area may be the most compelling exploration target on the Ashlu Property, the merits of the Pokosha Showing area should not be discounted, based on the results of Ashlu Mines' 2009 fieldwork.

The fieldwork of 2012 has further contributed to the merits of the Ashlu Property as one that holds good potential for the discovery of a resource in gold, silver, copper, bismuth and tellurium and perhaps tungsten. Now that Ashlu Mines has assembled a database 353 soil samples from its fieldwork since 2009 that covers most of the accessible roads on the Property, it may be the time to further assess those data for clues that could pinpoint specific targets to follow up in a future exploration programs.

In order to investigate one or more local targets, a 30-day, $205,000 field program is recommended that consists of follow up and detailed soil sampling, geological mapping and perhaps ground geophysics. That program could be pursued in a single season or extended over a span of several years. The ultimate goal of the fieldwork would be to identify drill targets to be tested in a subsequent campaign. Other alternative approaches to exploration include helicopter supported Property-wide prospecting, especially at higher elevations, and a multi-parameter airborne geophysical survey.

Photo 1: Scenic view of part of the Ashlu Creek and much of the Ashlu Property. Photo looks northwest up the Ashlu valley with the east Property boundary just out of view in the foreground. The west Property boundary runs along the crest of the ridge entering the valley from the south (left side in this image). The Property includes much of the higher elevations visible in this photograph. Photo by J.D.Williams, 16 Aug '12.

INTRODUCTION

In August 2012, Ashlu Mines, returned to its namesake Ashlu Property by financing a third field exploration program in its continuing effort to investigate the mineral potential on the Property since 2009. The fieldwork was organized by the author, J.David Williams, who contacted Minconsult Exploration Services of Coldwater BC to complete the 7-day program that principally consisted of soil sampling. That sampling was designed to build on the generally encouraging results of similar surveys completed on the Property in 2009 and 2011.

Table 1: ASHLU PROPERTY

Mining Division:	Vancouver
NTS:	092G.093, .094
Latitude:	49°56'55.0"N
Longitude:	123°25'05.4"W
UTM N:	5,533,000
UTM E:	470,600 (Zone 10, NAD83)
Claim Area:	5,365 hectares
Property size:	5,094 hectares
Owner:	Ashlu Mines Inc. [100%]
BC Minfile of principal target Names:	Ashlu, Ashloo, Golden Coin, Golden King
Minfile ID:	082GNW013

The 5,365-hectare Ashlu Property consists of a block of 22 contiguous mineral tenures straddling Ashlu Creek in southwestern BC. The Property surrounds a mining lease of the former Ashlu mine, a gold, silver and copper producer from the 1930's. The Ashlu mine was also known to contain bismuth, tellurium and tungsten.

As the soil sampling of 2012 was designed to expand the coverage of comparable surveys of 2009 and 2011, this report recognizes that earlier work, where appropriate, in maps that attempt to place the results of all three surveys in context. This report also concludes with recommendations for further work that calls for detailed follow up in selected areas that appear to particularly anomalous based on the sampling of 2012 and previous years. All sample details including field notes, assayer's certificates, and maps showing sample locations and plots of assay values for a series of selected elements are appended herein.

Figure 1: Location of the Ashlu Property in British Columbia.

Software used in the preparation of this Report include technical drawings composed in AutoCAD Civil 3D versions 2010 and 2011, while illustrations were developed in CorelDRAW Graphics Suite version X5. This report was prepared in Microsoft Office 2010 Word with certain tabular data organized in Excel. Generation of this report in PDF format, as submitted to Mineral Titles Branch, was with Adobe Acrobat X Professional.

All units of measurement are consistent with the International System of Units [SI] unless specifically noted otherwise. Where values quoted from historical documents are

made in some other system of measurement, they are quoted directly with SI units offered in brackets, sometimes rounded for convenience. All maps and drawings displaying Universal Transverse Mercator [UTM] coordinates conform to North American Datum 1983 [NAD83, zone 10] unless specified differently. All monetary figures are in Canadian dollars.

Figure 2: Location of the Ashlu Property in southwestern British Columbia, northwest of the towns of Squamish & Brackendale and north of Vancouver, British Columbia.

LOCATION & ACCESS

The Ashlu Property is located in southwestern British Columbia about 160 kilometers north-northwest of Vancouver (figure 1), or roughly 30 kilometers northwest of the closest commercial centers, Squamish and Brackendale (figure 2). The Property straddles Ashlu Creek which flows southeast to join the Squamish River which passes by the twin towns of Brackendale and Squamish as it empties into Howe Sound. During the snow-free months of the year there is generally good road-access to the Property along the lower roads that run along Ashlu Creek. Other transport, such as helicopter or snow machine would be required during the snowbound winter season.

Squamish and Brackendale are readily accessible from Vancouver by Highway 99, a driving distance of about 60 kilometers. From Squamish or Brackendale, the Property can be reached by continuing north on Highway 99 to the Squamish Valley Road turnoff (figure 3). That road runs for 23 kilometers, mostly northwesterly along the east bank of the Squamish River. The pavement ends at the start of the Squamish River FSR which, after 1200 meters, passes the Ashlu Main FSR. Ashlu Main immediately crosses the Squamish River and continues northwest along the southwest bank of Ashlu Creek to the 7-kilometer maker. At that point Ashlu Main forks into Ashlu South which continues onto the Property. Ashlu North first crosses Ashlu Creek before it too continues onto the Property as it parallels Ashlu Creek on its northeast bank.

All gravel roads leading to the Property are in generally good condition at least as far as the newly operational run of river intake facility (discussed further below), located just inside the east boundary of the Property. Even so, a four-wheel drive vehicle would be recommended for routine travel to the Property.

Beyond the run-of-river intake, the Ashlu North and South forks are becoming increasingly grown-in and certain sections of the road have degraded. Ashlu South continues to the area of the former Ashlu mine where it is washed out at Roaring Creek. Ashlu North is unbroken as it crossed the entire length of the Property but deteriorates towards the western edge of the Property.

Other roads, generally older logging roads, are mapped but they may not be passable due to their poor condition, choked with overgrowth or isolated by washed out culverts or stream crossings. Several of these roads on the north flank of Ashlu Creek, that were selected for soil sampling traverses in the summer of 2012, demonstrated that they can be all but blocked with tangled regrowth and made further impassible by at least one non-negotiable washout. For field exploration, accessing the more passible roads with an ATV or a small SUV would be preferred. But it was evident, from the experience of the 2012 field program that reactivating the majority of the older logging roads would require refurbishment involving clearing overgrowth and reestablishing washed out stream crossings.

TOPOGRAPHY, VEGETATION & PHYSIOGRAPHY

The high peaks of the Coast Mountains are everywhere evident on the Ashlu Property. The vigorous southeast flow of Ashlu Creek falls from elevations in the valley bottom that range from 500 meters in the west of the Property to 208 meters at the east boundary. From there, glacier-clad peaks exceeding 2000 meters in elevation tower over the valley bottom. The highest elevation is a peak in the northeast corner of the Property, at

2116 meters. Steep slopes and numerous cliffs are clearly visible, periodically incised by boulder-filled trickles that often surge to foamy races during rainy periods to feed Ashlu Creek.

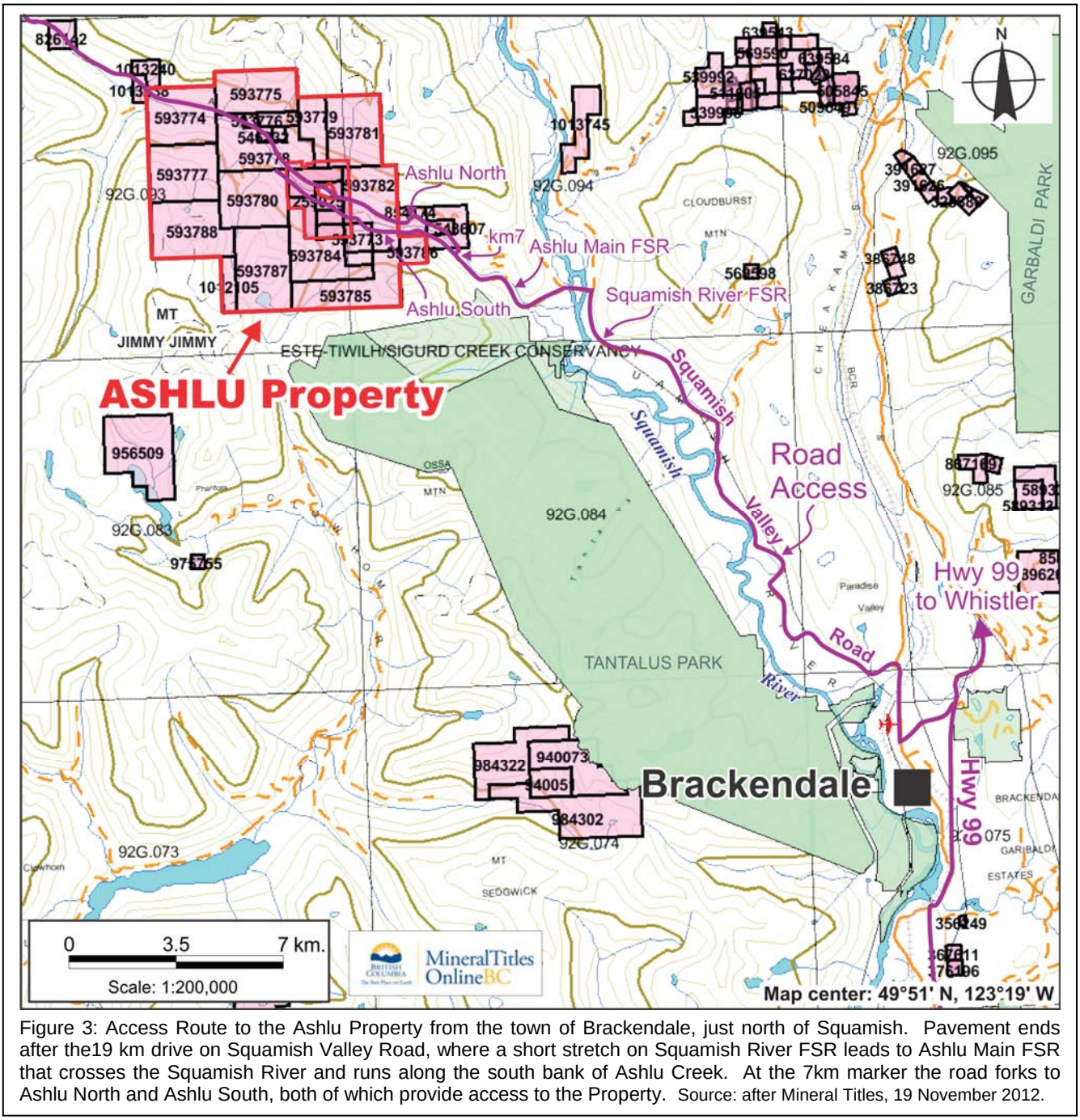

Figure 3: Access Route to the Ashlu Property from the town of Brackendale, just north of Squamish. Pavement ends after the19 km drive on Squamish Valley Road, where a short stretch on Squamish River FSR leads to Ashlu Main FSR that crosses the Squamish River and runs along the south bank of Ashlu Creek. At the 7km marker the road forks to Ashlu North and Ashlu South, both of which provide access to the Property. Source: after Mineral Titles, 19 November 2012.

The slopes are well drained with swampy ground all but absent on the Property. The flow of water in the numerous creeks draining the valley would be ample to sustain a drill program in the snow-free months. Lakes are mapped at higher elevations in the southwest of the Property.

Old growth vegetation is now relatively uncommon in the valley and is recognized by mature stands of conifers with lesser deciduous species forming a nearly unbroken canopy with an open and clear understory. Logging since the 1960's has occurred on most

of the more accessible slopes which are recovering with thick, tangled regrowth, often intermixed with fallen debris. Although there was no logging activity on the Property during the field program, some areas appeared to have been rather recently cut.

The amount of outcrop is variable, often abundant. Examination of outcrop is hindered by difficult movement through thick regrowth that is further impeded by the frequent appearance of impassible cliff faces. Trails often need to be cut to provide access to exposures.

The distribution of soil, where it occurs, has rather well developed profiles that provide worthwhile sample coverage over extended areas. That distribution is often locally broken by steep outcrop or cliffs where the availability of soil can be very sparse. Glacial till is recognized by sometimes thick lenses or fans of coarser and lighter colored, unsorted material containing large rounded boulders.

Typically, the Coast Mountains are subject to mild winter temperatures and heavy winter precipitation. Maximum average temperatures range to 18°C in summer with average minimum temperature of -2°C in mid-winter. Average annual precipitation of 3345 mm, varies from 512 mm in November to a drier 90 mm during August.[1] It is expected that snow-free months in the valley bottom extend from May through to at least mid-October. That period would be more restricted with increasing elevation.

INFRASTRUCTURE

Given the steepness of the terrain above the Ashlu valley bottom, logging roads are would be invaluable in providing access to parts of the Property that would otherwise be all but unapproachable. But, as mentioned earlier, the condition of many of these roads requires improvement. All the same, these roads, to whatever extent possible, would be useful not only for access but as traverse routes during an exploration program.

A newly completed run-of-river facility, the Ashlu Green Power Project (Photo 2), is a 49MW facility owned by Innergex Renewable Energy Inc. of Longueuil, Quebec, and began operation in November 2009.[2] The intake for that project occupies a wider part of Ashlu Creek just inside or on the east boundary of the Property. Its generating station lies five kilometers downstream. The prospect of available hydro power located a few kilometers off the Property could have a positive impact on the economics of a potential mining operation.

The Squamish-Brackendale area (combined population of about 18,000) is large enough to provide most services required by an exploration program. For the remaining equipment and services, Vancouver is about an hour's drive from Brackendale on Highway 99. Helicopter service is available at the Squamish airport located just north of Brackendale.

As far as is known, cellular telephone service (Telus Mobility) is available only at mid to high elevations in the extreme northeast portion of the Property.

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[1] ClimateBC Web Version; Center for Forest Conservation Genetics, University of British Columbia, www.genetics.forestry.ubc.ca/cfcg/climate-models.html [January 2010]

[2] Press release by Innergex Renewable Energy, 14 December 2009; www.innergex.com

MINERAL TENURE DISPOSITION

The Ashlu Property consists of 22 MTO[3] mineral tenures that fall within the Vancouver Mining District. All tenures are 100% owned by Ashlu Mines Inc. The tenures are each composed of up to 24 cells arranged in various shapes to form a roughly square block of contiguous claims spanning 8 kilometers east to west and about 7.5 kilometers in its north-south dimension (table 2, figures 4 & 5). All 258 MTO cells, each about 20.8 hectares in size, contributes to a total claim area of 5,365 hectares.

Complicating that arrangement is a Mining Lease (tenure 259025) held by Slim's Exploration and Mining Ltd. that is completely enclosed by Ashlu Mines' holdings in the east-central part of the Ashlu Property. That mining lease, in turn, encloses an area that has been claimed by Ashlu Mines. Ashlu Mines has overstaked much of the area of the mining lease to acquire ground up to the lease boundary in most places, and to stake the ground contained within the lease. Accounting for the ground occupied by the mining lease, the Ashlu Property is reduced to a working size of 5,094 hectares that is available to Ashlu Mines for exploration.

Table 2: Mineral Tenures of the Ashlu Property

Tenure Number	Claim Name	Cells	Issue Date	Good To Date	Area [ha]
546230	ICE 2	1	2006-Dec-01	2014-Jan-06	20.784
546232	ICE	1	2006-Dec-01	2014-Jan-06	20.784
546740	START	1	2006-Dec-06	2014-Jan-06	20.782
560351		4	2007-Jun-09	2016-Jan-18	83.175
593773	GEORGE VEIN	4	2008-Nov-03	2014-Jan-06	83.196
593774		20	2008-Nov-03	2014-Jan-06	415.630
593775		18	2008-Nov-03	2014-Jan-06	374.021
593776	YALAKOM	3	2008-Nov-03	2014-Jan-06	62.348
593777		20	2008-Nov-03	2014-Jan-06	415.772
593778		20	2008-Nov-03	2014-Jan-06	415.720
593779	YALAKOM AU	8	2008-Nov-03	2014-Jan-06	166.279
593780		20	2008-Nov-03	2014-Jan-06	415.843
593781		20	2008-Nov-03	2014-Jan-06	415.721
593782		20	2008-Nov-03	2014-Jan-06	415.897
593783	GEORGE EXT	2	2008-Nov-03	2014-Jan-06	41.603
593784		20	2008-Nov-03	2014-Jan-06	415.992
593785		20	2008-Nov-03	2014-Jan-06	416.101
593786	TROY-AU	4	2008-Nov-03	2014-Jan-06	83.203
593787		24	2008-Nov-03	2014-Jan-06	499.225
593788		22	2008-Nov-03	2014-Jan-06	457.509
606232		2	2009-Jun-17	2014-Jan-06	41.596
1012105	JJ_old	4	2008-Nov-03	2014-Jan-02	83.211
		258			**5364.392**

But for one exception, the configuration of the tenures of the Ashlu Property has not changed from earlier reporting that detailed field programs financed by Ashlu Mines in 2009 (Williams, 2010) and 2011 (Williams, 2011). On 17 August 2012, the former tenure 593789, located in the extreme southwest corner of the Property, was reduced in size from 25 cells to the current 4 cells of the newly designated tenure, 1012105. This was done to

[3] MTO: Mineral Tenure Online, a computerized claim staking system instituted by the Province of British Columbia in January 2005. Tenures are composed of one or more 'cells' of pre-defined size and location. The boundaries of the cells are defined by latitude and longitude coordinates and vary in size with changing latitude.

avoid the maintenance expense of that ground rather distant from known mineralization. Another consideration was to accommodate the Squamish First Nation which had indicated that Mount Jimmy Jimmy constitutes a landmark of particular cultural significance. The summit of Mount Jimmy Jimmy (figure 3) falls immediately south of the former tenure. The current Property configuration retreats from the summit a further distance of about two kilometers or more.

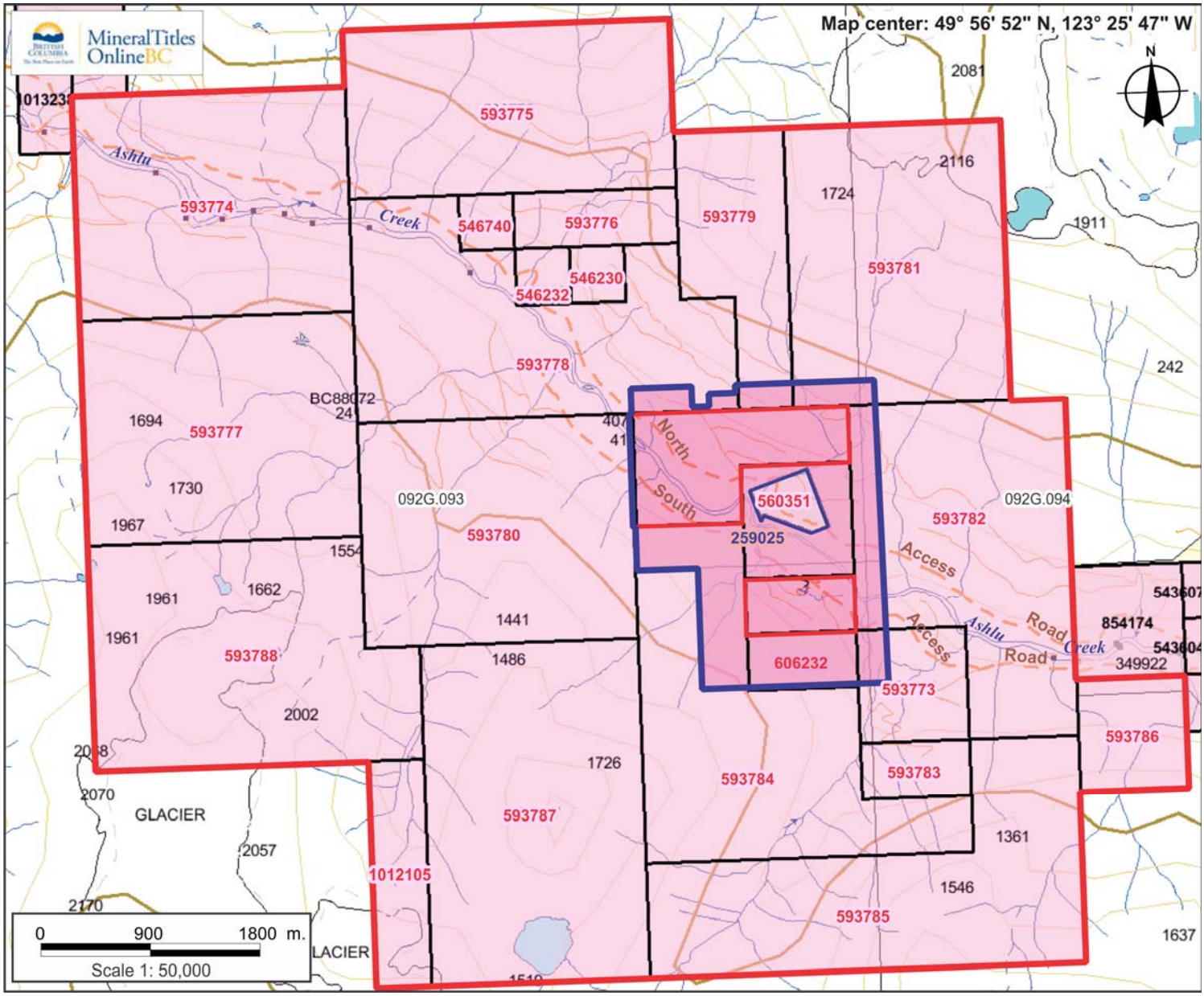


Figure 4: Mineral tenures of the Ashlu Property. The 22 tenures that comprise the Property are highlighted, interrupted by the Mining Lease of tenure 259025, not owned by Ashlu Mines. That lease, in turn, encloses tenure 560351 which is owned by Ashlu Mines.
Source: after BC Mineral Titles, 19 November 2012.

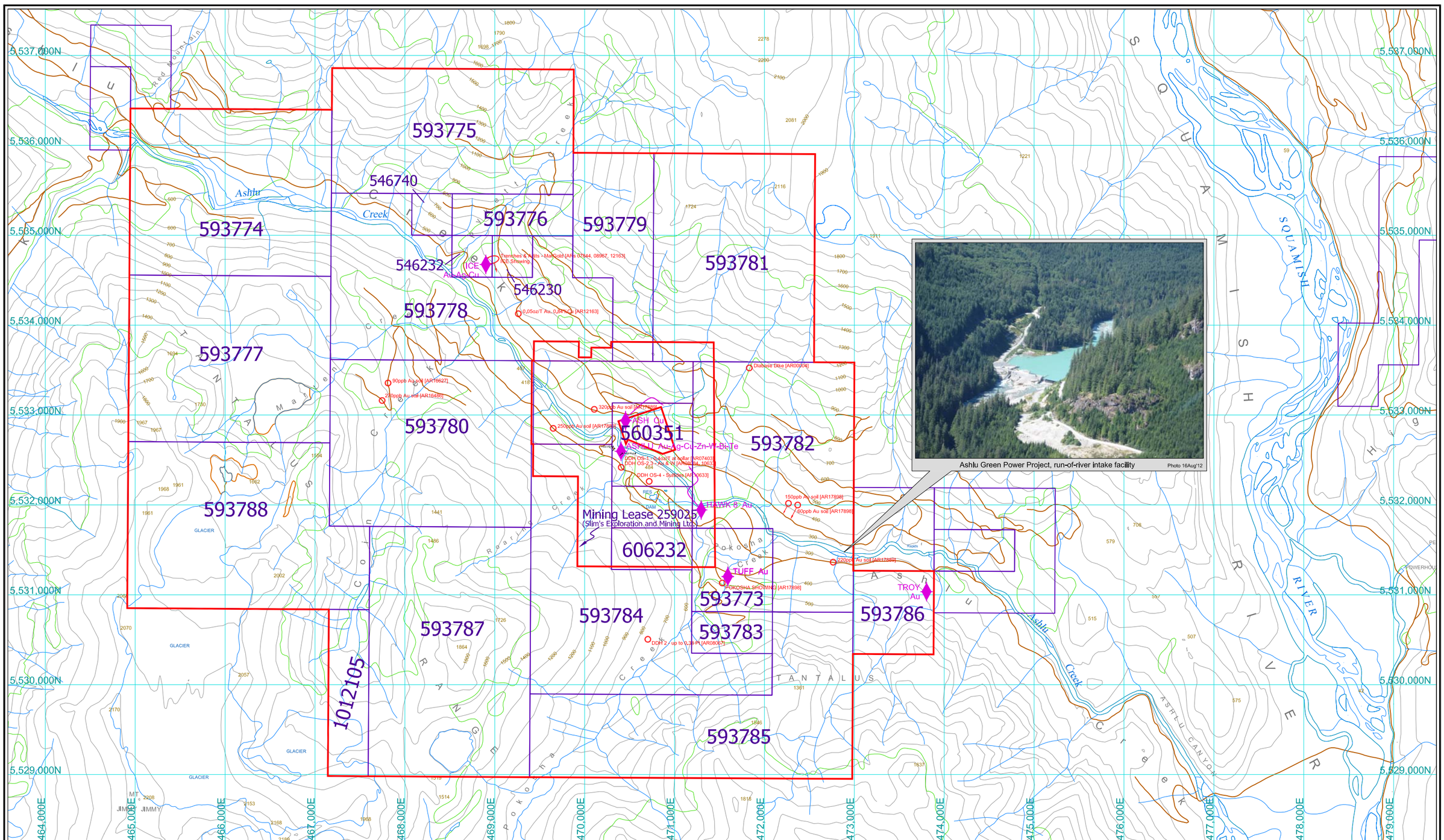
In a Statement of Work filed with BC Mineral Titles on 24 August 2012 (ref. BC Event Number 5401184), the expiry date of all mineral tenures of the Ashlu Property was brought to a common date of 01 June 2013, save for one exception. Tenure 560351, which falls over ground enclosed by the mining lease, retained its expiry date of 01 January 2014. On 22 November 2012, a second Statement of Work was filed (ref. BC Event Number 5417942) to advance most of the tenures to an expiry date of 06 January 2014. Tenure

560351 was advanced even further to 18 January 2016, while tenure 1012105 expires a few days sooner than the others, on 02 January 2014. These most recent expiry dates are contingent on acceptance, by BC Mineral Titles, of this Report in support of both Statements of Work filed in connection with the 2012 field program.

At this time, no exploration permit in the form of a 'Notice of Work' application is active nor has one been submitted to the permit office of the Ministry of Energy, Mines and Natural Gas, in Victoria, BC. No private land is bounded within the Ashlu Property, obviating the Provincial government's requirement that Land Owner Notifications be issued in advance of any exploration activity. No other permits or exemptions connected with the Property are in force and none have been applied for. No royalty agreement or any other encumbrance applies to any part of the Property. As far as is known, no environmental liabilities apply to the Property.

Photo 2: View of the run-of-river intake facility of the Ashlu Green Power Project, located just inside the east boundary of the Ashlu Property. Photo looks southeast taken from the Ashlu North road. Service vehicles near center of image serve for scale.

Photo by J.D.Williams, 16 Aug '12.



Astronomic North

Grid North

Magnetic North

UTM Zone 10 NAD83

declination 17°24'

convergence 0° 19' 51"

Data Sources:
Topographic detail from TRIM Mapping available from Base Map Online Store.
Mineral tenures obtained from Data BC on 19 November 2012.
Mineral occurrences from BC Minfile.

Symbol key

- Feature of interest from [assessment report(s)]
- Mineral occurrence [BC MinFile] related commodities

ASHLU MINES Inc.

ASHLU PROPERTY

1000 500 0 1000 2000 3000 meters 4000

Scale 1 : 40,000

Notes:
Mineral Tenures that comprise the Ashlu Property owned by Ashlu Mines Inc. The Mining Lease [tenure 259025] is also shown, owned by Slim's Exploration and Mining Ltd.
Selected targets of interest derived from assessment reports by earlier workers are highlighted (sources as noted). Locations of many of these features are uncertain by as much as a few hundred meters.
Named mineral occurrences plotted at coordinates as recorded in BC MinFile, and may be imprecise.

Figure: 05

rev November 2012

PROPERTY HISTORY

The history of the Ashlu area begins with the discovery of the Ashlu quartz veins by F.Pykett and associates in 1923 (BC Minfile, Ashlu, 1997). Since then, the history of the area has been dominated by exploration and development on those veins or by workers targeting similar deposits nearby. Production at the Ashlu mine began in 1932 and by the time it closed in 1939, underground workings of the mine totaled hundreds of meters ("several thousand feet") in length joined by a 22.7 tonne ("25 ton") mill established in 1936 (Stevenson, 1947, p.18). Production over that period amounted to 13,650 tonnes ("15,047 tons"), and yielded 199 kilograms ("6,396 oz") of gold, 222 kilograms ("7,154" oz) of silver and 30,022 kilograms ("66,187 lbs.") of copper (ibid).

On the nearby Ice showing, limited surface and underground work during the 1920's and 1930's resulted in the shipping of 2 tons of hand-sorted ore at a reported grade of over 171 gm/tne ("over 5 oz/T") in gold (Yeager, 1979, p 2).

Since World War II numerous interests have been active in the area now covered by the current footprint of the Ashlu Property (table 3a & b). Foremost among those workers was Walter Babkirk who was a central figure in much of the exploration conducted through the latter half of the 1970's and into the 1980's. As principal of Slim's Mining and Exploration, the owner of the mining lease, he oversaw the only production recorded over that period. In 1984, 36 tonnes were milled in a 91 tonne/day facility installed in 1979 (BC Minfile, Ashlu, 1997).

Exploration activity has tended to be concentrated on the Ashlu mine and its immediate vicinity, including older workings on the opposite side of Ashlu Creek. Renewed interest at the Ice Showing is first recorded in 1979. Work on the Tuff Showing, also referred to as the Pokosha Showing or George Vein and located in the southeast of the Property, has retained intermittent interest over the years. Details of the discovery of that occurrence and the 10 meter-long adit driven into the quartz vein at the showing are unknown.

Since 1995 no recorded activity on the Property is known. In 2005 Ashlu Mines conducted a brief reconnaissance sampling program in the area. The majority of those samples were taken outside the current boundaries of the Property. After allowing its original tenures to lapse, Ashlu Mines began assembling its current tenure holdings in 2006.

In 2009, Ashlu Mines completed a 24-day field program consisting of prospecting along accessible roads as well as rock sampling at the Ice and Pokosha showings, and soil and silt samples along several sections of the access roads. Although rock samples from the Pokosha Showing were low, soil samples from some places along the roads below it were encouragingly anomalous in gold, silver, bismuth and mercury. A sample from the Ice Showing returned just over 14% copper and 25.5 gm/tne in gold and 173 gm/tne in silver. Here too, soil samples from that area were anomalous in gold, silver and mercury (Williams, 2010).

Table 3a: Ashlu area history 1947-1995

Year	Owner/Operator	Claims	Work Performed	Reference(s)
1947	Giant Mines and Metals Ltd.	M2, M3, M4, M5, M2-4 Fr.	Geological mapping	AR 00004A (Allen, 1947)
1975	W.Babkirk	Ash	Drill hole Ash#2 – 0.0-18.28m	AR 05592 (Babkirk, 1975)
1976	W.Babkirk	Ash	Drill hole Ash#2 – 18.28-32.91m	AR06043 (Babkirk, 1976)
1976	Ashlu Gold Mines Ltd.	Ash	4 drill holes: 1-76, 2-26, 3-76, 4-76 – total 300.53m	AR 06155 (Cooper, 1976)
1977	W.Babkirk	Able	Drill hole – 21.37m	AR 06774 (Babkirk, 1978)
1979	C. & W.Babkirk	Ash	Drill Hole OS-1 – 53.34m	AR 07403 (Babkirk, 1979)
1979	Mar-Gold Resources Ltd.	Ice, Yalakum	Geological mapping, sampling	AR 07844 (Yeager, 1979)
1979	Ashlu Gold Mines Ltd.	unknown	Drilling the Pokosha Showing unpublished report by P.H.Sevensma	Mazacek, 1988b, p.13
1980	W.Babkirk, J.Peever	Able	Drill hole – 99.06m, 762 line-m magnetics	AR 08067 (Babkirk, 1980a)
1980	Slim's Expl'n & Mining Ltd. / W.Babkirk	Ash	Drill hole OS-2 – 68.58m	AR 08084 (Babkirk, 1980b)
1980	Mar-Gold Resources Ltd.	Ice, Yalakum	Geological mapping, sampling 2200 line-m magnetics Drilling 3 holes - 315.16m	AR 08967A & B (Yeager, 1981) (Yeager, et al, 1981)
1982	Slim's Expl'n & Mining Ltd. / W.Babkirk	Ashlu	Drill holes OS-3, OS-4 – 124.05m	AR 10633 (Babkirk, 1982)
1983	Mar-Gold Resources Ltd.	Ice, Yalakum, Silverton No.2	Prospecting, rock & soil sampling	AR 12163 (Ikona, 1984)
1984	Opsprey Mining & Expl'n Ltd. / Slim's Expl'n & Min'g Ltd.	Hawk 1 - 4	8 drill holes – 324m	AR 13278 (Babkirk, 1984)
1985	Slim's Expl'n & Mining Ltd. / W.Babkirk	Hawk 5 & 8	2 drill holes: 85-14 & 85-16 – 110.64m total	AR 13847 (Babkirk, 1985a)
1985	H.D.Schnelle	Eagle, Troy, Florette	4 drill holes: 85-1 to -4 – 144.57m total	AR 13873 (Schnelle, 1985)
1985	Slim's Expl'n & Mining Ltd. / W.Babkirk	Hawk 6 & 7	Drill hole 85-16 – 42.67m	AR 14703 (Babkirk, 1985b)
1987	W.Babkirk	Tusk	Drill hole Candy #1-87 (may be just off west edge of Ashlu Property)	AR 16313 (Babkirk, 1987)
1987	P.Mazacek	Elephant	Geological mapping, prospecting, rock, soil & silt sampling,	AR 16430 (Mazacek, 1987)
1987	H.Ross / Tenquille Resources Ltd.	Gee Whiz	B-horizon soil geochemistry	AR 16486 (Robins, 1987a)
1987	H.Ross / Tenquille Resources Ltd	Bimbo	B-horizon soil geochemistry	AR 16627 (Robins, 1987b)
1988	H.Ross / Tenquille Resources Ltd.	Bimbo, Gee Whiz	Prospecting, geological mapping, rock sampling	AR 17888 (Mazacek, 1988a)
1988	Tenquille Resources Ltd. / Valentine Gold Corp.	Hawk	Prospecting, geological mapping, sampling old core, soil & silt geochem, petrography 5.5 line-km IP, line of magnetics Underground geological mapping, channel sampling, 9 test holes – 65.23m	AR 17889 (Mazacek, 1988b)
1988	W.Babkirk	Tusk	Drill Hole – 45.1m	AR 17919 (Babkirk, 1988)
1988	P.Mazacek	Elephant	Prospecting, geological mapping, rock sampling	AR 17937 (Mazacek, 1988c)
1994	L.Demczuk	Au	Prospecting, geological mapping	AR 23664 (Demczuk, 1994)
1995	Homegold Resources Ltd. / J.T.Shearer	Ashlu	Prospecting, geological mapping,	AR 24036 (Shearer, 1995)

In 2011, Ashlu Mines continued its soil geochemical survey by sampling the main road along the north bank of Ashlu Creek. At least two new anomalous areas deserving follow up investigation were identified in the Ice Showing area (Williams, 2011).

Table 3b: Ashlu area history 2005-2011

Year	Owner/Operator	Claims	Work Performed	Reference(s)
2005	Ashlu Mines Inc.	Ashlu Property area	Rock sampling, mostly outside current Property	Tuck, 2006
2009	Ashlu Mines Inc.	Ashlu Property	Prospecting, rock, soil, silt sampling	AR 31343 (Williams, 2010)
2011	Ashlu Mines Inc.	Ashlu Property	Soil sampling	AR 32702 (Williams, 2011)

GEOLOGICAL SETTING

Regional Geology

The Ashlu Property lies within the southern end of the Coast Belt, a morphogeological belt of generally granitic and metamorphic rocks that rise out of the Fraser Valley and extend northward along the coast to Alaska and Yukon. The granitic rocks range from 185 to 50 million years old and coexist with scattered remnants of older deformed sedimentary and volcanic bedrock which the granitic bodies intruded. The Coast Belt developed from the migration and docking of allochthonous rocks of the Insular belt along a subduction zone descending under previously accreted terranes of the Intermontane Belt (figure 6). Rising melt from the subducted plate emplaced plutonic rocks that intruded and uplifted older rocks, of which only eroded remnants remain.

Figure 6: Ashlu Property in the Coast Belt of BC,

Property Geology

As the features of the bedrock geology was not the emphasis of the 2012 field program, the following is a compendium of a few observations made by Ashlu Mines along with others recorded by earlier workers. Historically, only local areas of the bedrock geology on the Property have been mapped in any detail.

A series of white to grey plutonic rocks are dominant in the Property area. They range in age from lower Jurassic to middle Cretaceous and vary in composition from quartz diorite to granodiorite and diorite. Most of the Property is underlain by plutonic rocks of the Cloudburst pluton of Jurassic age. Few supracrustal rocks were seen in outcrop but they do exist especially in the high peaks in the south part of the Property where marine sedimentary and volcanic rocks of the Lower Cretaceous Gambier Group are perched as an apparent pendant. Rocks of the Squamish Pluton fall west of the Gambier pendant in the southwest corner of the Property (figure 7).

The predominant granitoid material is leucocratic, medium grained and comprised of off-white and pale grey feldspar with glassy quartz grains and a small proportion of biotite and hornblende. Grey colored granodiorite also occurs, further distinguished by a relatively small proportion of quartz but a significant amount of biotite. Into both varieties of granitoid are, sometimes common and very large, often fractured, angular inclusions of more mafic rock that may locally predominate. The best exposures of these inclusions are in the portals of the former Ashlu mine and in exposures on the opposite bank of Ashlu Creek.

Numerous dike rocks occur throughout the work area and may be closely implicated in the metallogeny of the Property. Earlier workers described a range of dike compositions. Perhaps the most prevalent among those varieties is a population of black to medium green,

fine grained diabase dikes inconsistently altered to chlorite and epidote. Other diabase varieties are characterized by a variable phyric texture of feldspar or hornblende crystals. The dikes may demonstrate chilled contacts and occur as wide planar intrusions that may branch into filaments as thin fracture fillings.

In showings in Stuyvesant Creek, on the north side of Ashlu Creek directly opposite the mine,[4] a pegmatite dike up to 60 centimeters wide was noted by Allen (1947, p.3). It is described as coarse grained feldspar and quartz displaying a graphic texture and accompanied by a few large biotite flakes.

Allen (ibid) also describes a large dike composed of nearly massive dark green coarse grained hornblende with scattered fine gained feldspar and minor sulfides.

Yet another variety is an alaskite dike associated with mineralization at the Ice Showing reported by Yeager (1979, p.5).

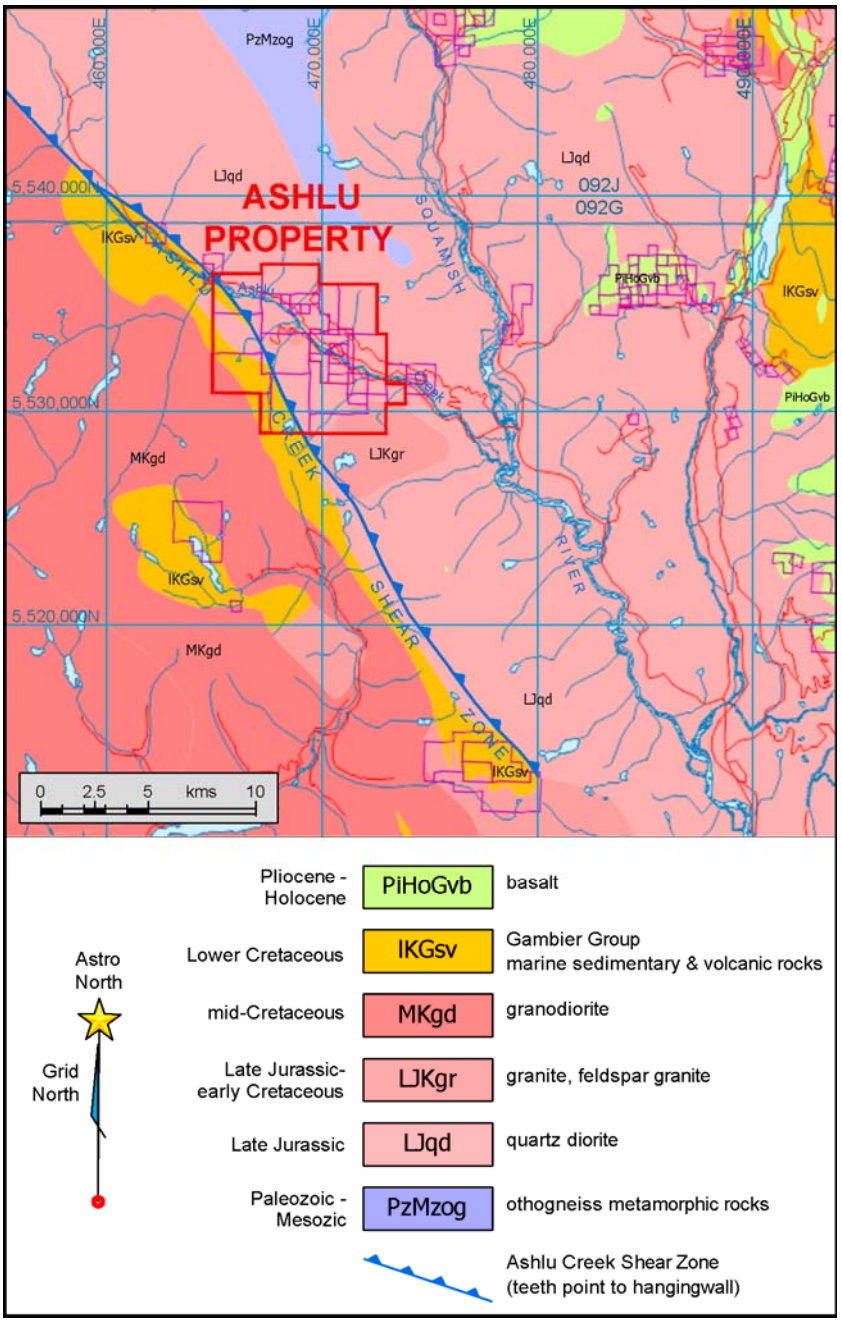


Figure 7: Generalized regional geology showing the Ashlu Property underlain by plutonic rocks of the Coast Mountains. After MapPlace, 2012

Structure

Little if any structural fabric in the plutonic rocks was noted in the most of the plutonic rocks. Partly defining the contact of the Gambier Group rocks with granitoid rocks in the southwest of the Property is where the regional Ashlu Creek Shear Zone of Cretaceous age is mapped (Monger, 1990, fig.2).

Most of the mineralization appears to be localized in shear zones or in quartz veins that occupy shear zones. Dike rocks also appear to have an influence on the distribution of those features in a manner that is not currently understood. Against some of the largest

[4] Allen knew of that creek as Pykett Creek, its historical name which is now attributed to a creek to the northwest that drains area of the Ice Showing. It is not known how the name Stuyvesant Creek displaced the original designation.

diabase dikes, shearing was clearly evident involving strong brittle deformation of the dike and associated alteration that includes chlorite and epidote.

Mineralization

Several mineralized occurrences are recorded on the Property (table 4 & figure 5). Of the known occurrences, the most important is the Ashlu mine. Even though the mine, as it falls within the mining lease that is not part of the Ashlu Property, it is the foremost exploration target in the surrounding rocks that underlie the Property. The characteristics of the Ice and Tuff occurrences are also most relevant.

Table 4
Mineral Occurrences on the Ashlu Property

Name	Minfile No.	Commodities
Ash	092GNW046	Cu
Ashlu	092GNW013	Au-Ag-Cu-Zn-W-Bi-Te
Hawk 8	092GNW062	Au
Ice	092GNW047	Au-Ag-Cu
Troy	092GNW055	Au
Tuff	092GNW045	Au

Ashlu Mine: Mineralization is hosted in a quartz vein oriented about 010°Az and varies from centimeters to 4.6 meters in width (BC Minfile, Ashlu, 1997). Mining was conducted in the plane of the vein dipping 25 to 30° west until at the lowest level where it steepens to 35°. The underground workings extend about 90 meters along strike and down-dip for about 85 meters.

The vein occurs as bands of quartz in a shear zone in granodiorite that tends to follow the hangingwall of an elongated roof pendant that has been variously described as a biotite-amphibole hornfels (ibid), a diabase dike (Allen, 1947, p.8) or a basic dike (Stevenson, 1947, p.18). Petrographic work by Shearer (1995, p.6) suggests that that dike material is a phyllonite derived from coarse grained granodiorite. Shearer goes on to speculate that the shear zone that produced the phyllonite also served as a conduit for mineralized fluids. Furthermore Shearer suggests that apparent association of the vein within a complex intrusion cut by dikes may instead be modeled by fault movement and phyllonite development.

The Ashlu vein consists of white quartz with pods, streaks and disseminations of pyrite and pyrrhotite, especially at contacts with wall rocks, along with minor chalcopyrite, scheelite, sphalerite, ankerite and siderite (BC Minfile, Ashlu, 1997). Sulfides containing gold with telluride minerals occurs in sheets, as irregular zones or in other forms in both the quartz and extending into the wall rocks (Allen, 1947, p.8)[5]. Gold content is generally proportional to sulfide content and can occur in amounts to several tens of grams/tonne ("several ounces", Stevenson, 1947, p.18). Gold occurs as micron sized grains (0.01-0.04 mm) in the native state but is mainly associated with tellurides (tellurbismuth, calaverite, frohbergite, hessite and altaite) (Mazacek, 1988b, p.16).

Tuff Showing / Pokosha Showing / George Vein:[6] A quartz vein exposed along the access road was sampled by Ashlu Mines in 2009 accompanied by a 10 meter-long adit collared about 15 meters to the west, which exposes a 9 meter-wide quartz vein of the same or a related structure, was also examined during that field program. This showing occurs at

[5] Allen (1947, pp.7 & 8) asserts that the Ashlu Vein of the former mine is exposed along the drainages on the opposite bank of Ashlu Creek. Some of the exposures are at the contact with east-west trending "diabasic" dikes.
[6] The Pokosha Showing and George Vein will be used interchangeably in this report.

the contact of dacite of the Gambier Group and granodiorite. It contains sparse pods of massive sulfide and disseminated sulfides in some of the quartz and wall rocks. The results of Ashlu Mines' sampling were low, with a maximum value of 108 ppb in gold.

In 1978, a 50 foot-long (15 meter) chip sample of that structure was reported to average 0.5 oz/T (17 gm/tne) in gold but a hole drilled that year along with sampling of the vein on surface and from the adit returned only low gold values (Mazacek, 1988, p.13). Prospecting by Shearer (1995, p.6) suggests that vein could extend over as much as a kilometer in strike based on quartz float and subcrop and a meter-wide quartz exposure in Ashlu Creek. The creek exposure assayed 0.121 oz/T (4.1 gm/tne) in gold (ibid).

Ice Showing: Mineralization occurs in sheared fractures and in several types of veins. Several sets of fractures and veins were mapped, but fractures at 081°Az dipping 60°N were associated with sulfide mineralization and veins oriented 296/72° and 130/80° contained gold mineralization. An open cut trending 060°Az, exposes a 17 centimeter-wide massive pyrite and chalcopyrite vein from which values up to 156.5 gm/tne gold and 305 gm/tne silver were obtained. The adjacent wall rocks assayed as high as 4.4 gm/tne in gold (Yeager, 1979, pp.4-5). With great effort, this mineralization was located by Ashlu Mines in its 2009 field program, and resampled with similarly spectacular results.

In a nearby stockwork of quartz flooding, additional pyrite and chalcopyrite mineralization is at least partly associated with an alaskite dike. A 17 meter-long adit driven along a sulfide vein and other mineralization from the stockwork returned gold assays of up to 4.8 gm/tne (ibid, p.5). Sampling from quartz containing epidote, magnetite and pyrite about 20 meters north of that adit assayed 42.6 gm/tne in gold (Yeager, 1981, p.7). A second adit 400 meters to the southeast is 27 meters long. Sampling by Yeager in 1980 (ibid, p.6) in part of that adit returned no appreciable values in either gold or silver.

Shear zones at the 081°Az orientation elsewhere on the Ice-Yalakum property of 1979 contained pyrite, chalcopyrite, quartz, magnetite and actinolite. Selected sampling returned values only as high as 3.6 gm/tne in gold. The existence of magnetite may expose additional mineralization with a magnetic survey. Such a survey by Yeager in 1980 on a 20 x 20 meter field grid over the high grade open cut met with some success. The 3-hole, 315 meter-long drill program of 1980 encountered numerous additional narrow mineralized zones. Among them was a 10 centimeter intersection that returned the highest grade in gold, 1.2 gm/tne, of that campaign (Yeager et al, 1981, p.6).

Ash:[7] Some of the several quartz showings exposed along Stuyvesant Creek, directly opposite the Ashlu Mine, fall just along the Property boundary that is contained by the mining lease (figure 5). Mineralization in quartz in Stuyvesant Creek ranges from a few centimeters to over 2 meters thick ("a few inches to 7 feet", Allen, 1947, p.8). The quartz is controlled by shearing along the contact and within diabase dike material. Two adits, 7.5 and 10 meters long expose the vein in separate places. Gold assays from the shortest adit are reportedly low (BC Minfile, Ash, 1990). The veins contain pyrite, chalcopyrite and a telluride mineral (ibid). The veins are oriented north south to about 008°Az and dip 20 to 30° westerly and are considered by Allen (1947, p.7) to be the up-dip extension of the vein of the Ashlu mine

[7] The Ash showings probably refer to those exposed in Stuyvesant Creek on the north bank of Ashlu Creek. The location recorded in Minfile locates it on the south side of Ashlu Creek.

Hawk 8:[8] This occurrence is located on south bank of Ashlu Creek and falls inside the mining lease east of the Ashlu mine. It consists of a quartz vein oriented 010°/15°. A chip sample taken in 1988 for Tenquille Resources Ltd. assayed 4.11 gm/tne in gold over a 1 meter width (Mazacek, 1988b, Map 5 & BC Minfile, Hawk 8, 1990).

Troy: Located in the extreme southwest corner of the property the Troy occurrence was suspected to hold mineralization localized along a contact between meta-diorite and underlying quartz diorite. That contact is marked by closely spaced limonite-coated fractures with minor quartz veins. The zone appeared to strike northwest and was believed to be target for pyrite-gold mineralization (Schnelle, 1985, p.A-2).

In 1985, a 145 meter-long program of four drill holes conducted by Schnelle encountered the steeply dipping contact but without any significant mineralization. The best result was from a 30 centimeter-long intersection of fracturing and oxidation that returned 0.9 gm/tne in gold (ibid).

Photo 3: Minconsult field technicians gathering a soil sample. Colin Chudyk (left) and Richard Greenwood are pictured just above a logging road in a recent clear cut near the east boundary of the Ashlu Property. Note the thick sequence of glacial till containing mostly granitic boulders supported by silt and sand.

Photo by J.D.Williams, 16 Aug '12.

[8] The BC Minfile coordinates misplaces the Hawk 8 occurrence by about 500 meters. Mazacek locates it on Ashlu Creek north-northwest of coordinates recorded by BC Minfile.

FIELDWORK OF 2012

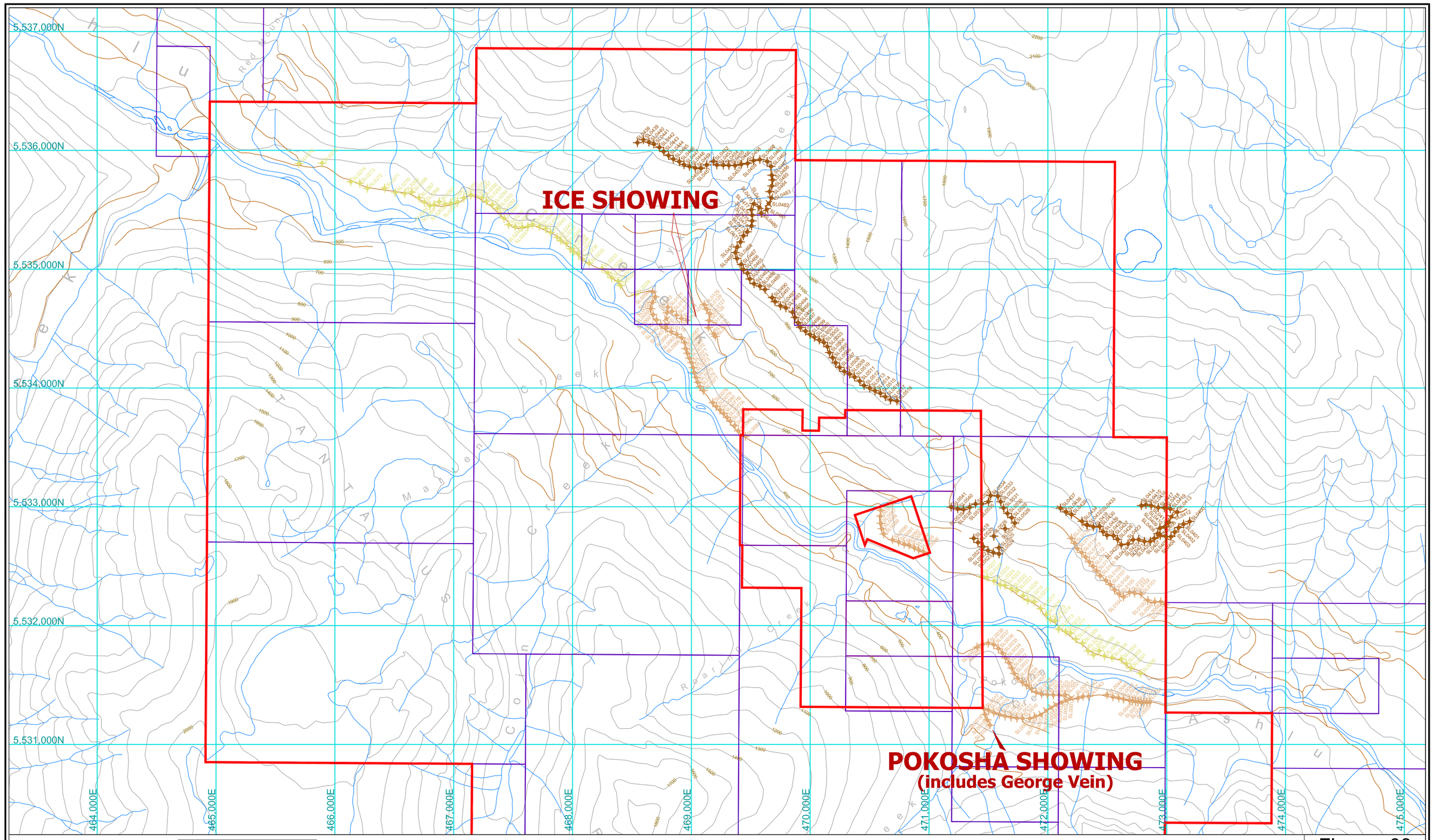
The fieldwork of 2012 at the Ashlu Property was conducted from 16th through to the 22nd of August and consisted of the collection of 142 soil samples and 4 rock samples. The area sampled was the most accessible of the uppermost logging roads at mid elevations ranging from about 500 to 1160 meters on the north slopes of Ashlu Creek. Some of these logging roads were built fairly recently while others appeared to be substantially older. The soil sampling was intended to continue the work completed on similar logging roads at lower elevation and along main Ashlu North roads in 2009 and 2011 (see sample location maps, figures 8 & 9 that include rock and especially soil sampling coverages during the three field programs in 2009, 2011 & 2012).

As none of the roads selected for sampling were accessible from the main Ashlu North road, the 2012 fieldwork was entirely helicopter supported. In a procedure identical to those of previous years and under ideal circumstances, soil samples were gathered from the undisturbed ledge on the uphill side of the road at 50 meter intervals. It was learned that, at the elevations traversed in 2012, the availability of soil in many places was rather sparse. The occasional 50-meter sample station was omitted for lack of soil to sample and several other samples were made up of less than ideal material.

The highest gold assay was 73.4 ppb, with the second highest value, 54.8 ppb located a mere 150 meters away. That area, above and east of the Ice Showing also was the source of the highest silver assay, 455 ppb accompanied by anomalous values of greater than 200 ppb to each side of it. Other anomalous gold and silver occurred in the same general area of the Ice Showing, with scattered anomalous values obtained from traverses on the eastern side of the Property (figure 10).

No assay values of potential economic interest were obtained from any of the four rock samples. The best values was from a basaltic float fragment containing patches or domains of hornblendite(?) along with up to 10% pyrite. That sample returned 462 ppb in silver and 524 ppm in copper.

It is acknowledged that of the total of 146 samples (142 soils and 4 rock samples) gathered in 2102, of 17 samples were located outside the Property boundary by distances of up to about 150 meters. Nine soil samples and a single rock sample were gathered as part of the traverse that ran along the network of logging roads just off the east boundary of the Property. In that area, the soils were comparatively thick, consisting of till and perhaps a proportion of colluvium. The notion that that sample material would be derived from higher elevation upslope to the northwest, areas squarely within the Property, was the justification for the excursion outside the boundary. Just west from there, an additional seven soil samples were collected inside the east boundary of the mining lease. Here too, it was hoped that the soils would represent material from upslope from areas on the Property. In addition, many of those soils were gathered as the crew was completing its traverse to one of the few available helicopter pick up points on that final day of fieldwork.



ASHLU MINES Inc.

ASHLU PROJECT 2012 - Soil Sample Locations

Figure: 08

November 2012

Sample ID	Au [ppb]	Ag [ppb]	Bi [ppm]	Te [ppm]	Cu [ppm]	Pb [ppm]	Zn [ppm]	Lithology
1449001	0.2	174	0.02	0.36	27.79	9.98	24.5	Altered granite?
1449002	<0.2	25	<0.02	<0.02	3.09	1.24	54.5	Granodiorite
1449003	0.7	16	<0.02	<0.02	22.28	1.25	43.6	Granodiorite
1449004	29.4	462	0.04	0.11	524.04	0.56	70.2	Basalt

ICE SHOWING

POKOSHA SHOWING
(includes George Vein)

Astronomic North
Grid North
Magnetic North
UTM Zone 10 NAD83
declination 17°24'
convergence 0° 19' 51"

Symbol Key
2012 Rock Samples (4)
2009 Rock Samples (29)

ASHLU MINES Inc.

ASHLU PROJECT 2012 - Rock Sample Locations

1000 500 0 1000 2000 3000 meters 4000

Scale 1 : 30,000

Figure: 09

November 2012

SAMPLING METHOD, PREPARATION, ANALYSIS AND QUALITY CONTROL

All soil samples were collected in the field using various implements including a scoop or GeoTul. Wherever possible the Minconsult field crew sampled B-horizon soil. In many places that profile was either undeveloped or the amount of available soil was so scarce, that the sample was made up of whatever was at hand. Some samples included material high in organics while others consisted of fine gravels or weathered rock that might be considered C-horizon material. Sample depths varied to as deep as 50 cm but most were much shallower, with many taken just below surface at about 5 cm depth.

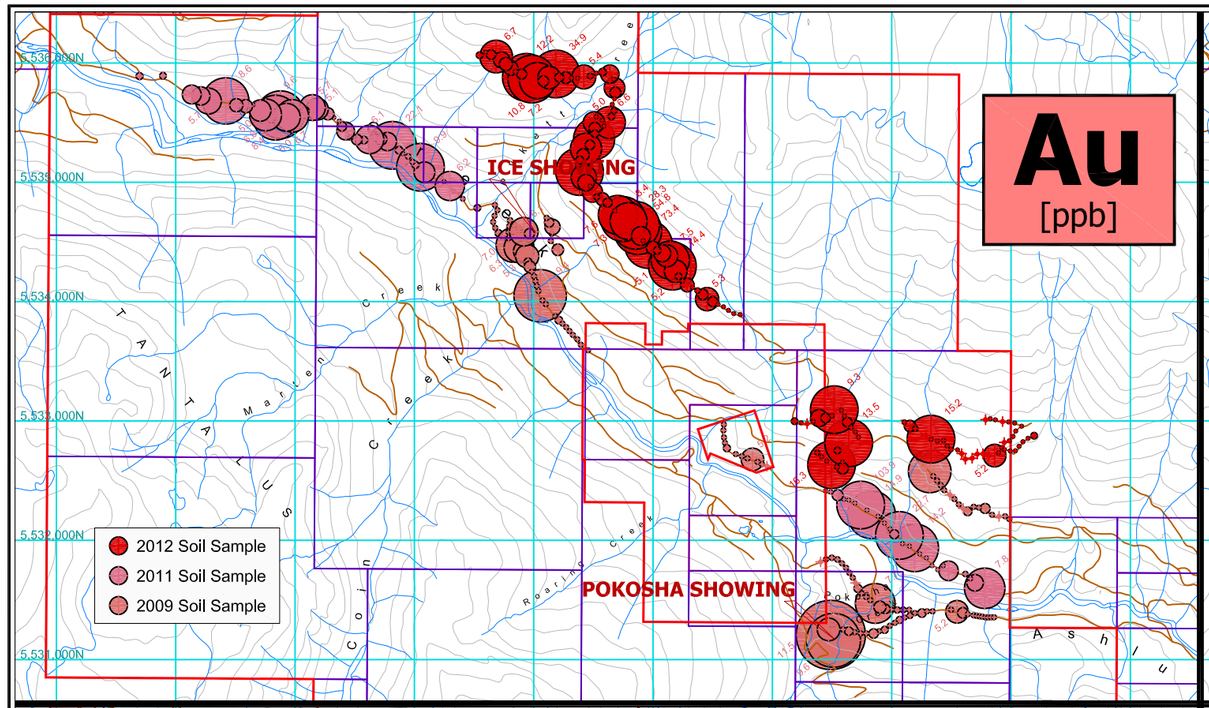
Soil was collected in amounts to generously fill a pre-labeled kraft paper bag. The sample location was marked by colored flagging and tyvek tag, both labeled with the sample number and affixed to a nearby tree limb or other suitable anchor. Field notes recorded characteristics of the sample and its local environment. Location coordinates at each sample site, as displayed by a hand-held GPS, were also recorded in those field notes.

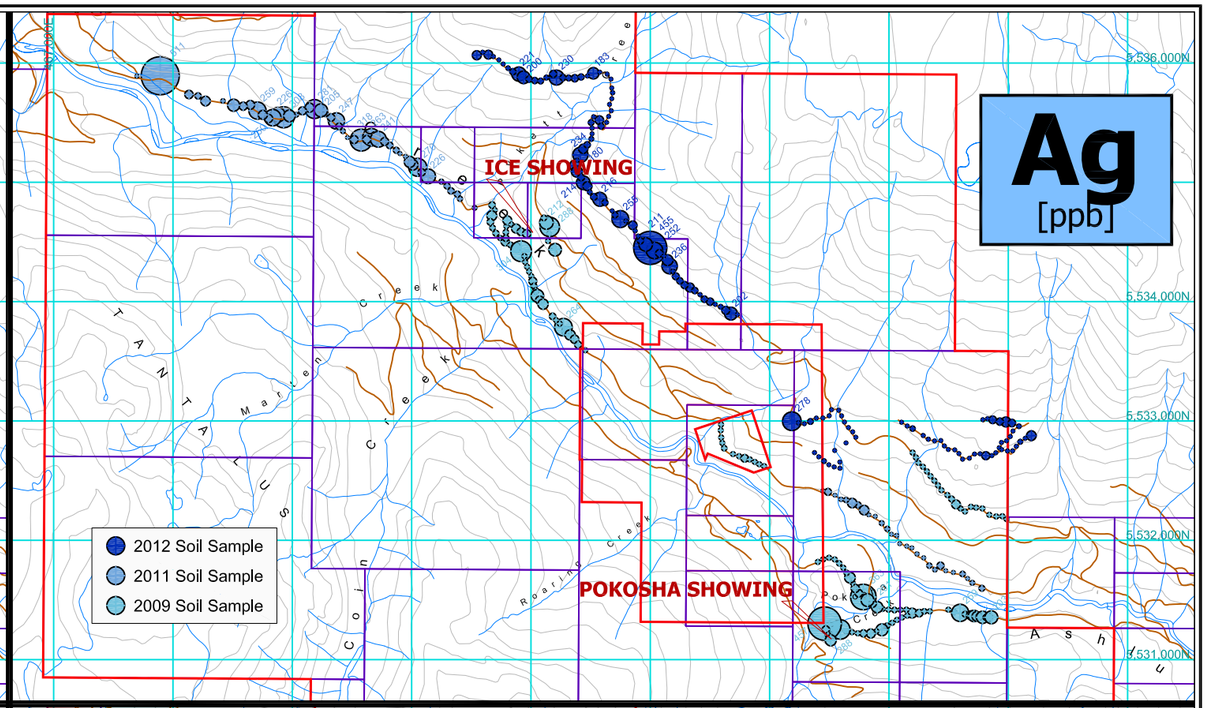
The four rock samples were entirely opportunistic, selected on the basis of an interesting appearance to a cobble or small boulder sized piece of float that happened to be in view. Fragments of the selected rock were gathered in a labelled plastic sample bag accompanied by a sample tag. Location coordinates were also noted along with a brief description of the rock.

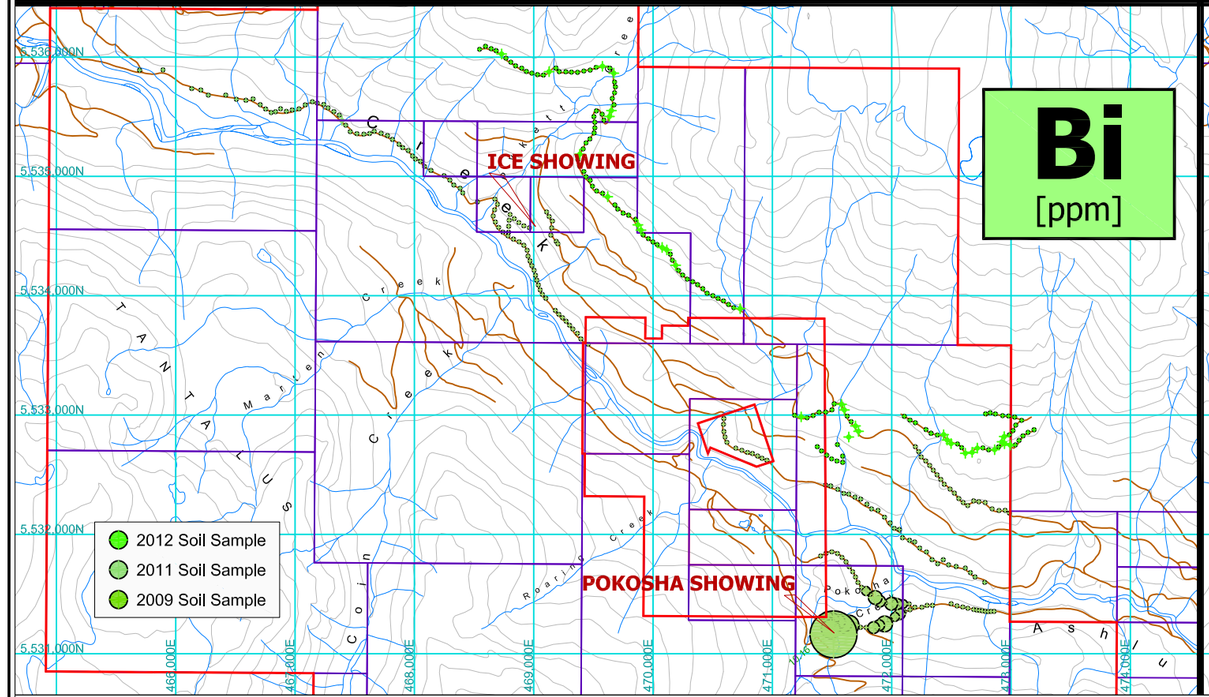
All 146 samples of the 2012 fieldwork were delivered in a single shipment to Acme Labs in Vancouver for preparation and analysis at the end of the program. Acme Labs' Group 1F was requested for all rock and geochemical samples. That procedure provides results for 53-elements by ICP-MS. Some of those elements report only partial concentrations due to refractory elements.

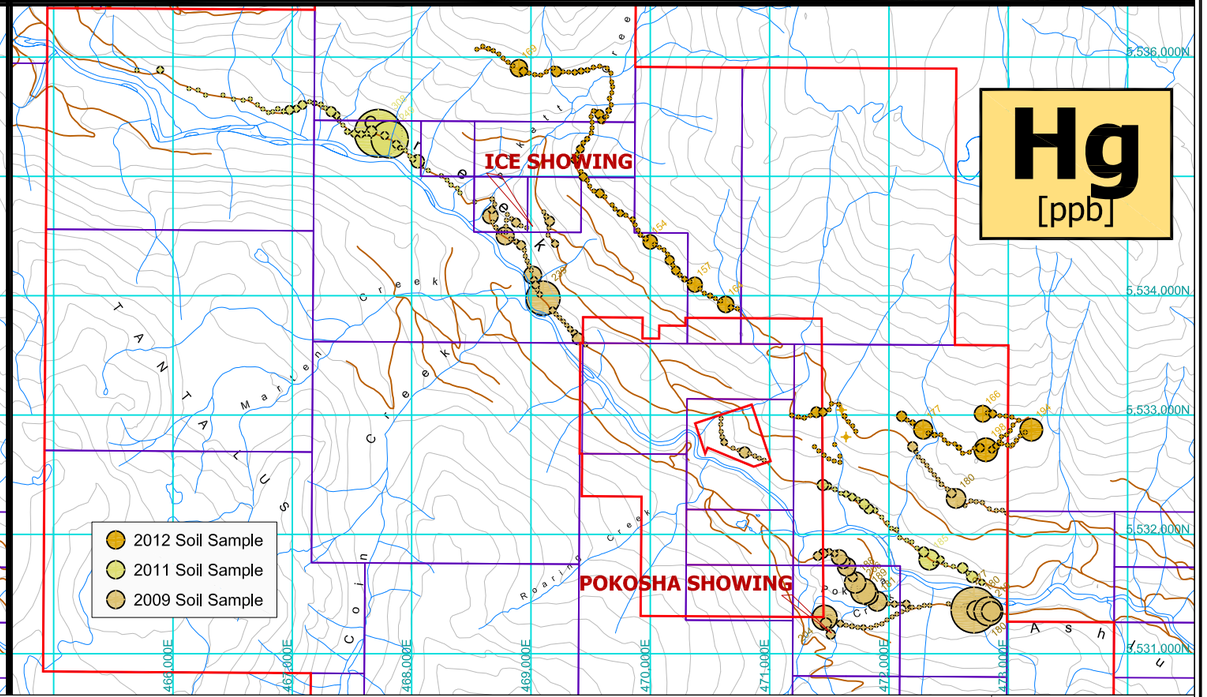
For the soils, preparation at Acme Labs includes drying the sample at 60°C from which a sample pulp was extracted by sieving to -80 mesh (-180 μm). Rock samples were crushed from a 250-gram riffled was pulverized to a pulp. For both soil and rock samples, subsequent analyses was performed on a 15-gram subsample of that pulp. That subsample was digested in a solution of hot aqua regia composed of equal parts HCl and HNO_3 which is maintained at about 95°C for one hour. That solution was allowed to cool then brought to volume with a weak solution of HCl. Analysis was completed by aspirating that cooled solution into an ICP mass spectrometer.

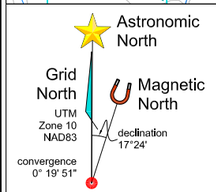
No quality control measures, in the form of blank or standard samples, were inserted into the series of field samples gathered in 2012. For its part, Acme Labs imposes its own quality control protocol. One or more pulp duplicates are inserted into each batch of as many as 35 samples to monitor analytical precision, and one or more reject duplicates are inserted into the same batch to monitor sub-sample precision. In addition, Acme Labs inserts its own reagent blanks and a reference standard into the job stream.











Symbol Key

- Soil sample scaled by assay value
- Soil sample below detection limit

ASHLU MINES Inc.

ASHLU PROJECT 2012 - Au, Ag, Bi, Hg Soil Assays

1000 500 0 1000 2000 3000 4000 meters 5000

Scale 1 : 50,000

Figure: 10

NOTES:
Assay values plotted with symbol sized proportional to assay value. Symbol dimensions may not necessarily be scaled linearly with respect to analytical value. Symbol may be indicated with mininum size and scaled to a maximum size for clarity.
Assay value for the highest grade assays plotted adjacent to symbol.

November 2012

INTERPRETATION AND CONCLUSIONS

Just as was evident in the results from the 2009 and 2011 fieldwork, the results of the 142 soils gathered in 2012 continued to draw attention to the Ice Showing area. The largest number and the strongest anomalous gold and silver values in 2012 from that area followed a pattern that became evident in 2009, and was more clearly expressed in the 2011 sampling. One would want to temper that apparent trend by recognizing the sub-optimal quality of some of the 2012 soil samples.

Although several strong gold assays were clustered east of the Ice Showing, several others were obtained along the upper road to the north of it. The silver response may be somewhat more discriminating, which demonstrates coincident anomalous results east of the Ice Showing but scattered highs elsewhere in the area. That pattern of scattered anomalies was also obtained from the main Ashlu North road in 2009 and 2011. Both the higher grade cluster of samples east of the Ice Showing accompanied by the numerous other localized anomalies makes that area an attractive target for follow up exploration.

Results for bismuth in the 2012 soils were uniformly poor, which reinforces the conclusion made in 2009 and 2011 that, compared to the lively bismuth results in the Pokosha Showing area, that there may be at least two types of mineralization on the Ashlu Property. The Pokosha Sowing area remains a strong exploration target on its own, based on the 2009 soil survey.

Values returned for mercury, which may be a useful pathfinder to mineralization throughout the entire Property, appears to corroborate those of silver, in spite of a mediocre Ag-Hg correlation coefficient of 0.54 in the 2012 assays. Although several local elevated values were obtained from the 2012 sampling in the Ice Showing area, they are much more subdued compared to sampling in the same area of 2011 and from the Pokosha Showing area in 2009. Mercury may be one of several effective pathfinders lurking in the 53-element dataset of analysis of Ashlu Mines' soil sampling over the last several years— an examination of that dataset is included in the recommended tasks ahead of a subsequent exploration program.

Local elevated results were obtained for gold and mercury in the 2012 traverses in the east part of the Property. It is not certain what to make of those, but they deserve to be examined further in the field and corroborated with new samples.

Ashlu Mines, now possesses a database of a total of 353 soil samples from the three field seasons, 2009 (134 samples), 2011 (77 samples) and 2012 (142 samples). Embedded in those data may be anomalies that could lead to more precise targets that would be subject to the range of recommended fieldwork described in the following section.

RECOMMENDATIONS

After completing soil sampling along the most accessible roads on the Ashlu Property, over the span of four years, it may be time to follow up on the anomalous results of that work. There remains a network of roads on the south bank of Ashlu Creek between Marten and Coin Creeks that has not been sampled by Ashlu Mines but most of those roads was sampled by Tenquille Resources in 1987 (Robbins 1987a & b) using similar field procedures. A review of the entire set of available geochemical data may be helpful in identifying any remaining roads that would be interest for further sampling. That review also ought to examine correlations in analyzed elements to identify relevant pathfinders that may vary depending on the type of mineralization represented in a particular anomalous area.

Depending on the outcome of that review of the soil data, it may be advisable to contemplate fieldwork on a more localized scale than has been the emphasis by Ashlu Mines in recent years. That fieldwork would involve detailed confirmatory soil sampling as well as geological mapping, a denser pattern of soil geochemistry and perhaps ground geophysics, such as, at minimum, magnetics and VLF-EM. A field grid through thicker bush may need to be established and steep terrain may further limit the mobility of field workers. If older logging roads could be refurbished, a back hoe may be employed to provide safer and more convenient access. Road refurbishment may also involve restoration of culverts or temporary stream crossings. That kind of roadwork will require a Mines Act permit issued by the Ministry of Energy, Mines and Natural Gas, an application for which should be submitted well in advance of such an exploration program.

Table 5: Proposed Exploration Budget

I T E M	Amount
Geologist – pre-program planning & permitting ; 10 days @ $700/day	7,000
Project Geologist 30 days @ $700/day	21,000
Prospector 30 days @ $550/day	16,500
Field technicians (2) 30 days @ $500/day	30,000
Field supplies & rentals for 1 month	5,000
Accommodation & Groceries 4 persons 30 days @ $250/day	30,000
Transportation – project vehicle 30 days @ $150/day incl. fuel	4,500
Field transportation – ATV 30 days @ $100/day	3,000
Analytical cost 800 samples @ $40/sample (shipped)	32,000
Roadwork – refurbishment of existing roads	20,000
Reporting and Data Processing - Project Geologist 10 days @ $700/day	7,000
Ashlu Mines Project Management 10 days @ $1000/day	10,000
Contingency (~10%)	19,000
TOTAL PROPOSED PROJECT EXPENSES	**205,000**

To accomplish those tasks, perhaps not necessarily to completion, a field program of 30 days duration is proposed (table 5). This program is designed to follow up the results of the fieldwork financed by Ashlu Mines since 2009. Such an upcoming field program would employ four persons; a geologist, a prospector and a pair of field technicians. As with the earlier field programs, all would be accommodated at lodgings off the Property within a 40-minute daily commute from Brackendale, or preferably, a site even closer to the

Property. Field gear, including ATVs would be securely stored in a shipping container on-site. It is unlikely that any upcoming exploration can avoid improving the condition of the at least part of the main access roads, Ashlu North and Ashlu South. An amount has been budgeted for trimming the encroaching bush on the main roads as well as to refurbish other former logging roads.

As proposed, the rather modest amount of fieldwork makes the presumption that one or more mineralized targets worthy of testing in a subsequent drill campaign would be identified. Fieldwork of the kind outlined can be conducted over the span of several years if the available funds do not allow for the completion of the program in a single season.

Other alternative approaches to exploring the Ashlu Property may be considered:

- Prospecting the entire Property in areas that may not have been closely examined to date. Those areas would include all ground in the alpine, perhaps emphasizing the margins of snowfields or retreated glaciers where newly exposed mineralization may be awaiting discovery. Other outlying areas of interest throughout the Property may also be examined. This work would be conducted by a pair of geologists or prospectors and much of their effort would require helicopter support.
- One should also consider completing an airborne geophysical survey to cover the entire Property. That survey would include aeromagnetics and electromagnetics [EM]. Whether that EM system should be time- or frequency-domain ought to be decided by seeking the advice from a professional geophysicist. The merits of adding radiometrics to the airborne survey should not be discounted.

Respectfully submitted,

J.David Williams, P.Eng.
26 November 2012

JDW/jdw
Ashlu2012_AssessmentReport.docx

ITEMIZED COST STATEMENT

To complete the 7-day field program of the 2012 at the Ashlu Project, Minconsult Exploration Services provided two of its field technicians, who hailed from more distant areas of the Province. Each crew member devoted a travel day ahead of the fieldwork to take up hotel accommodation in Brackendale for its duration. A second travel day was charged to the project upon completion of the field program. Those travel days stretched many program expenses over a 9 day period.

The author, as project geological consultant, based in Vancouver, engaged Minconsult to complete the fieldwork and secured the services of Black Tusk Helicopters Inc., based in Brackendale. Additional time was spent in preparing field maps for the Minconsult crew for fieldwork approved by Ashlu Mines. The author accompanied the field crew to the Property on the first day and, and at the close of the program, he picked up and subsequently delivered the field samples to Acme Labs in Vancouver.

Helicopter support constituted the largest single expense of the fieldwork. For the 25 kilometer flight distance from the Squamish airport to the Property, an average of just over an hour a day of helicopter time was consumed in the daily drop off and pick up routine.

Table 6: Summary of Project Costs

CHARGEABLE ITEM	Cost
Personnel & Professional Fees	
Project geological consultant – budgeting & map preparation – 2 days @ $784/day.	1,568.00
Minconsult – 2 field technicians @ 9 days @ $537.60/day (incl. travel days)	9,676.80
Project geological consultant – introductory field day & sample retrieval & delivery: 2 days @ $784/day.	1,568.00
Analytical Cost	
Acme Analytical Labs – 142 Soils by 53-element ICP-MS @ $35.65	5,065.42
Acme Analytical Labs – 4 Rocks by 53-element ICP-MS @ $53.21	212.86
Helicopter Support	
Black Tusk Helicopters Inc. – 7.2 hrs @ $1,417.55/hr incl. fuel	10,206.34
Accommodation, Board	
Minconsult - Hotel: 9 nights @ $226.33/night	2,036.94
Minconsult – per diem rate 18 person-days @ $67.20/person-day	1,209.60
Equipment Rentals	
Minconsult - Truck rental: 9 days @ $128.80/day	1,159.20
Minconsult - Field equipment rental – radios, saws, etc.:9 days @ $56/day	504.00
Field consumable, supplies & expenses	
Fuel/mileage (all vehicles)	1,011.02
Field gear & supplies	139.53
Minconsult - Travel expenses – BC Ferries 1 round trip	150.18
Report Preparation	
Project geological consultant: 2.5 days @ $784/day	1,960.00
TOTAL PROJECT EXPENSES	**$ 36,467.89**

A total of $36,468 was expended on the entire 2012 Ashlu field program (table 6). That cost includes HST at the rate of 12% or by the amount charged at point of sale.

The pair of Statements of Work mentioned earlier (in section 'Mineral Tenure Disposition') jointly accounted for that total project expense as those expenses were invoiced. The SoW filed on 24 August 2012 claimed an assessment credit of $19,757 with the balance, $16,711, claimed in the second filing on 22 November 2012.

The total time contributed by all those who conducted fieldwork on the Property in 2012 is estimated at 19 person-days (including travel days). Based on a 10-hour work day, the total number of hours of activity related to the field program amounts to 190.

Photo 4: Scenic view of Ashlu Creek valley that includes the run-of-river intake facility located just inside the east boundary of the Ashlu Property. Photo looks northwest, upstream, beyond the west Property boundary which runs along the crest of the ridge entering the valley from the south (left) in the far distance. The former Ashlu Mine site is obscured by forest cover in the valley bottom on the south bank of the creek in the middle distance. Photo by J.D.Williams, 16 Aug '12.

STATEMENT OF QUALIFICATIONS

I, J.David Williams residing at 303 - 1225 Cardero Street in the City of Vancouver, in the Province of British Columbia

DO HEREBY CERTIFY;

1. That I am a consulting engineer with a business address of 303 - 1225 Cardero Street, Vancouver, British Columbia, V6G 2H8.
2. That I am doing business under the name of Integrex Engineering and that I am the sole proprietor of the company and that I hold a valid license issued by the City of Vancouver to conduct business at the above address.
3. That I am a graduate of the University of Toronto where I obtained a Bachelor of Applied Science degree in Geological Engineering (exploration option).
4. That I have actively practiced my profession as a geological engineer since graduating in 1978.
5. That I am a Professional Engineer registered with the Association of Professional Engineers and Geoscientists of the Province of British Columbia [registration no. 14,954].
6. That the information, opinions and recommendations in the attached documents are based on my position as consulting project geologist over a period that extends from 26 August 2009 and my involvement with fieldwork at the Ashlu Property over the period from 30 August to 21 September 2009, and on the 26th and 29th October 2011 and also on the 16th August 2012.
7. That I have not received, directly or indirectly, nor do I expect to receive any interest, direct or indirect, in the property of Ashlu Mines Inc., nor do I directly own any securities of Ashlu Mines Inc. or any affiliate thereof known to me.
8. I am the author of this Report entitled “Soil Geochemical & Rock Sampling Report on the Ashlu Property in 2012” dated 26 November 2012.
9. That I hereby grant to Ashlu Mines Inc. authorization to include this report in any Prospectus, Statement of Material Facts or other public document.

J.David Williams, P.Eng.

dated at Vancouver, British Columbia, this 26th day of November 2011.

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APPENDIX A – Tables of Soil & Rock Sample Locations & Descriptions

A pair of tables, related to soil and rock samples of the 2012 field program on the Ashlu Property.

The soil table details all 142 samples, including location coordinates, field observations and assay values for selected elements: Au, Ag, Bi, Te, Cu, Pb, Zn & Hg. The table is intended to be printed on tabloid or 11 x 17" media in landscape orientation.

The rock table for the 4 samples gathered in 2012 consists of location coordinates, lithologic descriptions and assay values for selected elements: Au, Ag, Bi, Te, Cu, Pb & Zn. The table is laid out for printing on letter-sized media, also in landscape orientation.

ASHLU MINES Inc.

ASHLU PROJECT 2012

SOIL Samples - Field notes & Selected Analyses Samplers: Colin Chudyk & Richard Greenwood of Minconsult Exploration Services

Sample ID	Date	Easting	Northing	Elev.	Depth (cm)	Color	Prop'n Silt	Prop'n Organic	Consistency	Texture	Moisture Content	Vegetation	Slope (deg)	Slope°	Degree of Disturbance	Description of Disturbance	Photo View Dir	Au [ppb]	Ag [ppb]	Bi [ppm]	Te [ppm]	Cu [ppm]	Pb [ppm]	Zn [ppm]	Hg [ppb]	Comment
SL0400	16-Aug-12	473193	5532877	763	40	light reddish brown	20%	15%	loose + dry	fine + grainy	low	alder, fireweed, spruce	15	SE	med	road bank		2.3	159	0.23	0.06	16.94	4.62	29.5	194	upslope of road at top of exposed bank
SL0401	16-Aug-12	473142	5532855	767	20	light brown	20%	10%	loose + dry	grainy	low	alder, fireweed, spruce	15	SE	med	mound beside road		1.4	40	0.07	<0.02	16.21	3.32	27.9	31	slash pile upslope
SL0402	16-Aug-12	473100	5532826	765	50	med dark brown	40%	20%	greasy	smooth + grains	med	alder, fireweed, spruce	15	SE	med	road bank		1.6	87	0.07	0.03	21.74	3.40	36.0	56	upslope of road - bank
SL0403	16-Aug-12	473067	5532788	768	40	light brown	10%	5%	loose + dry	gritty sandy	med	alder, fireweed, spruce	20	SE	med	road bank		1.4	48	0.04	<0.02	15.20	1.91	20.1	35	top of high road bank
SL0404	16-Aug-12	473036	5532750	772	15	orangey brown	high	low	loose	fine/sandy	low	alder, fireweed, spruce	20	SE	low	top of road bank		0.2	19	0.05	0.02	10.58	3.60	26.6	75	took photo
SL0405	16-Aug-12	472993	5532749	774	50	tan	med	low	loose	sandy	low	ferns	10	SW	med	top of road bank		0.8	26	<0.02	<0.02	15.87	1.62	19.4	74	3m from road
SL0406	16-Aug-12	472945	5532760	774	20	light tan	med	low	hard dry	fine sand w/ pebbles	low	fireweed/burn	5	SE	med	top of road bank		0.7	5	<0.02	0.03	16.84	1.82	32.2	7	2m from road
SL0407	16-Aug-12	472895	5532734	780	20	reddish brown	med	low	loose	sandy clay w/ pebbles	low	spruce/burn	10	SE	med	top of road bank		0.8	55	0.05	<0.02	11.99	3.94	20.8	106	till
SL0408	16-Aug-12	472924	5532776	787	30	tan + grey	med-high	low	loose	clay sand pebbles	low	slash	10	E	med	top of road bank		1.7	21	<0.02	0.02	12.65	2.08	23.3	23	till
SL0409	16-Aug-12	472943	5532820	797	30	grey	high	low	hard packed dry	fine	low	slash	10	E	med	top of road bank		<0.2	4	<0.02	<0.02	13.45	1.28	21.2	8	till
SL0410	16-Aug-12	472985	5532834	803	10	dark brown	med	high	dry loose	fine, some pebbles	low	small stand of old growth	5	E	med	top of road bank		1.2	44	0.03	<0.02	17.48	3.11	26.7	29	till above ditch
SL0411	16-Aug-12	473017	5532870	807	20	light brown	med	low	loose	fine grainy	low	small stand of old growth	5	E	med	top of ditch above road		0.3	70	0.05	0.03	27.50	4.07	49.9	29	
SL0412	16-Aug-12	473039	5532916	812	30	light brown	med	low	loose	gritty	low	old growth	5	E	med	top of road bank / ditch		0.7	11	0.02	0.04	13.78	1.99	20.2	18	till
SL0413	16-Aug-12	473089	5532956	820	5	med brown	med	med	moist cakey	greasy wet w/ grit	med	slash fireweed	5	SE	med-high	top of ditch near stream		0.4	83	0.06	0.02	8.98	5.73	24.1	45	consistency is the bane of small minds
SL0414	17-Aug-12	472786	5533011	859	10	light reddish brown	high	med	loose	gritty	low	slash/fireweed	5	S	high	end of road, lots of wood rot		<0.2	60	0.03	<0.02	8.64	3.56	18.7	166	7m past end of road
SL0415	17-Aug-12	472825	5533019	859	10	grey black	med	high	loose	fine w/ grit	low	slash/fireweed	5	S	med	above road; burn		0.2	35	0.02	<0.02	17.94	4.74	39.7	24	lots of organics; hard to sample; burn, charcoal, etc
SL0416	17-Aug-12	472869	5533010	854	5	light reddish brown	med	med	loose	fine w/ grit	low	slash/fireweed	10	S	low	low road bank		0.8	129	0.04	<0.02	23.07	4.20	19.6	112	above ditch
SL0417	17-Aug-12	472929	5532995	846	10	dark brown	med	high	loose	fine sand	low	devils club, ferns, willow	5	S	low	above road on top of bank		<0.2	125	0.06	<0.02	19.52	6.43	20.0	57	next to creek
SL0418	17-Aug-12	472980	5532992	836	5	light brown	med	low	loose	gritty	low	willows	10	S	low	bank above road/ditch		1.3	162	0.04	0.06	41.94	4.35	51.4	53	
SL0419	17-Aug-12	473030	5532983	825	15	dark brown	low	high	wet loose	gritty w/ pebbles	high	willows	20	S	med	bank above road/ditch		0.3	128	0.05	<0.02	15.78	4.82	33.0	54	wet soil; may be water transported
SL0420	17-Aug-12	472862	5532710	789	15	light orangey brown	med	low	hard packed	gritty pebbles	low	slash/small planted trees	20	S	high	blasting area/cliff	N	5.2	39	<0.02	<0.02	13.45	2.30	71.6	103	see photo; base of cliff
SL0421	17-Aug-12	472812	5532709	788	15	light reddish brown	high	med	loose	fine + gritty	low	alder	20	S	med	bank above road		<0.2	136	0.03	<0.02	9.25	4.45	18.2	198	n/a
SL0422	17-Aug-12	472764	5532725	790	10	light brown	high	high	loose	fine w/ gritty	low	hemlock + cedar	0	n/a	med	next to old road		<0.2	68	0.02	<0.02	10.11	3.58	17.4	116	
SL0423	17-Aug-12	472717	5532723	791	5	grey ash	high	med	loose	fine w/ gritty	low	alder	15	NW	med	next to old road		<0.2	11	<0.02	<0.02	18.22	1.17	24.9	11	thin layer of soil over slab outcrop
SL0424	17-Aug-12	472674	5532688	780	10	light grey ash	high	low	dusty	dusty w/ grit + pebbles	low	alder	15	NW	low	next to old road		<0.2	11	<0.02	<0.02	16.68	1.18	18.1	7	dusty very light grey colour
SL0425	17-Aug-12	472617	5532680	771	5	light brown	high	med	loose	fine w/ grit	low	alder + 2nd growth forest	10	NW	low	next to old road / ditch		<0.2	21	<0.02	<0.02	13.41	3.17	17.7	56	
SL0426	17-Aug-12	472586	5532727	761	10	light brown	high	high	loose	fine w/ pebbles	low	hemlock 2nd growth	5	NW	low	old road		<0.2	47	0.03	0.02	7.96	3.73	11.7	91	
SL0427	17-Aug-12	472551	5532758	751	10	grey brown	high	med	loose	fine + rocky	low	hemlock 2nd growth	5	NW	low	old road		0.6	15	0.04	<0.02	7.74	6.55	18.0	59	behind stump / root mass
SL0428	17-Aug-12	472497	5532761	741	5	light brown	high	med	loose	fine + rocky	low	alder + 2nd growth forest	15	NW	low	old road		1.7	15	<0.02	<0.02	14.72	3.50	22.4	22	7m from old road
SL0429	17-Aug-12	472464	5532791	725	10	light brown	med	high	loose	gritty + rounded pebbles	low	alder + 2nd growth forest	25	NW	low	bank above old road		0.3	18	<0.02	<0.02	10.08	0.95	14.5	19	till; 7m from old road - above creek
SL0430	17-Aug-12	472435	5532836	712	10	light beige	med	low	loose	sandy	low	alder + 2nd growth forest	25	NW	med	old road w/ big creek in ditch		1.6	34	<0.02	<0.02	17.74	1.26	13.2	12	upslope of ditch - some water influence
SL0431	17-Aug-12	472382	5532833	707	10	brown	low	med	loose	gritty	low	alder + 2nd growth forest	25	NW	low	old road, sloughed bank		0.4	46	0.04	<0.02	14.69	4.11	26.2	89	underside of huge boulder & outcrop
SL0432	17-Aug-12	472329	5532848	702	5	light brown	high	med	loose	fine + gritty	low	alder + 2nd growth forest	25	S	low	bank above old road		15.2	59	0.05	<0.02	20.94	4.31	52.4	60	exposed soil under root mass, probably till
SL0433	17-Aug-12	472330	5532847	702	5	light brown	high	med	loose	fine + gritty	low	alder + 2nd growth forest	25	S	low	bank above old road		0.9	53	0.05	<0.02	21.38	4.56	54.2	74	duplicate of SL0432
SL0434	17-Aug-12	472287	5532879	697	10	dark brown	high	high	loose	smooth + dusty	low	2nd growth + alder	30	SW	low	old road bank		<0.2	49	0.08	<0.02	16.73	12.31	38.0	177	
SL0435	17-Aug-12	472198	5532936	689	5	orangish brown	med	high	loose	fine w/ small pebbles	low	alder	vert	SW	med	above road		2.0	95	0.05	0.02	9.70	4.53	49.0	92	base of very high cliffs - skipped previous sample
SL0436	17-Aug-12	472153	5532958	684	5	light beige	med	low	loose	fine w/ angular pebbles	low	cedar, hemlock, alder	35	SW	low	above road		3.3	8	0.04	<0.02	13.78	1.57	25.2	27	
SL0437	17-Aug-12	472106	5532990	692	10	light brown	med	low	loose	gritty w/ pebbles	low	cedar, hemlock, alder	25	SW	low	above road		1.8	44	0.05	<0.02	17.52	2.91	29.9	128	
SL0438	18-Aug-12	468546	5536065	1157	5	light brown	high	high	loose	dusty w/ grit	low	subalpine cedar + spruce	20	S	low	next to stream bed		2.3	150	0.06	<0.02	15.88	7.38	58.8	58	not much of a road here at all
SL0439	18-Aug-12	468596	5536090	1161	5	light brown	high	high	loose	dusty w/ pebbles	low	cedar, hemlock, alder	20	S	low	above old skid track		1.5	33	0.03	<0.02	12.14	2.73	17.1	65	
SL0440	18-Aug-12	468643	5536070	1157	5	light brown	high	low	loose	fine w/ grit	low	exposed soil bank	20	S	med	bank above old skid trail		2.9	146	0.07	0.02	16.40	4.38	28.7	83	
SL0441	18-Aug-12	468685	5536054	1146	5	light brown	high	low	loose	gritty	low	exposed soil bank	20	S	med	bank above old skid trail		6.7	67	0.10	0.02	162.53	3.65	41.7	38	
SL0442	18-Aug-12	468731	5536026	1147	20	light brown-grey	med	med	loose	gritt w/ small pebbles	low	exposed soil, alder + small cedars	30	S	med	bank above old trail		4.1	61	<0.02	<0.02	27.04	2.76	34.3	46	
SL0443	18-Aug-12	468767	5535991	1137	15	light brown	med	low	loose	gritty w/ pebbles	low	exposed soil, alder + small cedars	30	S	med	bank above old trail		3.6	53	0.03	<0.02	21.04	2.98	25.6	70	
SL0444	18-Aug-12	468808	5535957	1133	10	light brown	med	low	loose	gritty w/ pebbles	low	exposed soil, alder + small cedars	30	S	med	bank above old trail		3.8	81	0.05	0.03	33.90	3.05	33.9	31	
SL0445	18-Aug-12	468848	5535927	1126	15	light tan	high	high	loose	dusty, fine w/ pebbles	low	exposed soil, alder + small cedars	30	S	med	bank above old trail		1.8	110	0.06	0.04	14.27	4.73	27.3	76	
SL0446	18-Aug-12	468899	5535907	1117	10	light reddish brown	low	med	loose	gritty pebbles	low	willow, alder	30	S	med	unvergetated bank above old skid trail		3.0	221	0.05	<0.02	26.09	4.50	23.4	169	till
SL0447	18-Aug-12	468938	5535880	1111	15	light brown	high	med	loose	dusty + pebbles	low	willow, alder, cedar, spruce	30	S	low	bank above old trail		12.2	200	0.03	<0.02	35.79	3.90	32.6	115	
SL0448	18-Aug-12	468984	5535865	1102	15	tan	high	high	loose	sandy	low	willow, alder, cedar, spruce	30	S	low	bank above old trail		10.8	111	0.03	<0.02	23.22	4.15	35.4	63	till?
SL0449	18-Aug-12	469032	5535853	1094	10	tan	med	high	loose	sandy	low	willow, alder, cedar, spruce	30	S	low	bank above old trail		7.2	109	0.04	<0.02	16.98	4.33	28.2	65	
SL0450	18-Aug-12	469081	5535849	1089	10	light tan	high	high	loose	powdery w/ pebbles	low	alder, fireweed	35	S	med	above old skid trail		3.1	101	0.03	0.03	22.47	3.90	33.2	58	
SL0451	18-Aug-12	469129	5535878	1086	10	grey tan	low	low	loose	sandy	low	alder, fireweed	30	S	med	high banks, no vegetation		5.2	87	<0.02	0.03	36.21	2.13	27.2	24	
SL0452	18-Aug-12	469186	5535908	1092	15	tan	med	high	loose	gritty + pebbles	low	alder, fireweed	30	SW	low	banks above creek		34.9	123	0.03	0.05	52.22	3.20	48.6	65	moved offf target due to large creek - outside creek bed
SL0453	18-Aug-12	469214	5535878	1091	10	grey boulders	low	high	friable	gritty	low	alder, fireweed	30	S	high	base of cliff w/ bits of soil		2.8	230	0.05	0.05	79.27	7.44	40.4	129	
SL0454	18-Aug-12	469269	5535877	1087	15	light brown	high	low	loose	fine w/ grit	low	willow, alder, fireweed	30	S	med	bank above road w/ exposed soil		3.3	109	0.04	0.03	19.71	3.39	30.1	53	till
SL0455	18-Aug-12	469316	5535874	1084	10	light brown	med	high	loose	fine w/ gritt	low	nasty alder + willow	25	S	med	above old "road"		1.1	102	0.05	<0.02	18.27	4.27	35.6	76	
SL0456	18-Aug-12	469367	5535872	1081	10	light brown	med	high	loose	grit + pebbles	low	nasty alder + willow	25	S	med	above old "road"		1.3	125	0.03	0.03	34.01	3.02	40.0	93	
SL0457	18-Aug-12	469420	5535883	1075	20	brown	high	high	loose	fine + gritty	low	old growth fir	25	S	med	above old "road"		5.4	106	0.05	0.03	26.87	5.00	41.8	97	it is a road again

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SOIL Samples - Field notes & Selected Analyses

Samplers: Colin Chudyk & Richard Greenwood of Minconsult Exploration Services

Sample ID	Date	Easting	Northing	Elev.	Depth (cm)	Color	Prop'n Silt	Prop'n Organic	Consistency	Texture	Moisture Content	Vegetation	Slope (deg)	Slope°	Degree of Disturbance	Description of Disturbance	Photo View Dir	Au [ppb]	Ag [ppb]	Bi [ppm]	Te [ppm]	Cu [ppm]	Pb [ppm]	Zn [ppm]	Hg [ppb]	Comment
SL0458	19-Aug-12	469473	5535891	1064	30	reddish brown	med	high	loose	dusty + pebbles	low	old growth	20	S	low	above old road		2.1	51	0.04	<0.02	21.80	3.11	35.5	87	
SL0459	19-Aug-12	469523	5535914	1064	30	dark brown	med	high	loose	smooth	high	old growth	20	S	low	above old road		1.7	183	0.07	<0.02	18.16	5.94	20.7	82	poor sample; organic; heavy forest cover
SL0460	19-Aug-12	469576	5535923	1064	15	grey ash	high	med	loos	fine w/ grit	low	2nd growth	20	S	low	above old road		2.5	22	<0.02	<0.02	9.14	1.79	34.4	24	next to dry creek
SL0461	19-Aug-12	469638	5535907	1056	5	grey	low	med	loose	gritty + pebbles, rocks	low	2nd growth + swamp, stink cabbage	5	S	low	above old road, above ditch		4.5	34	0.07	<0.02	23.39	2.30	27.7	24	no sample at 50m station due to swamp; soil very red, see photo
SL0462	19-Aug-12	469671	5535865	1056	5	grey	med	med	loose	gritty	low	2nd growth	0		low	above old road		0.6	11	<0.02	<0.02	5.19	0.96	16.9	15	next to big creek - should be fun to cross
SL0463	20-Aug-12	469527	5534878	945	5	light brown	med	med	loose	sandy w/ rocks	low	none, rockpile	20	SW	low	rip rap above old road		2.1	115	0.04	0.03	27.62	5.08	48.3	52	slide or blasting area
SL0464	20-Aug-12	469492	5534918	943	5	light brown	med	med	loose	sandy w/ rocks	low	none, rockpile	20	SW	low	rip rap above old road		4.8	84	0.04	0.06	41.57	3.96	47.0	50	slide or blasting area
SL0465	20-Aug-12	469473	5534967	942	5	dark brown	med	high	loose	dusty w/ grit	low	cedar	25	SW	med	edge of slide area		1.5	150	0.04	<0.02	32.84	4.99	45.4	57	edge of slide, hard to find soil
SL0466	20-Aug-12	469438	5534997	937	5	light brown	med	high	loose	dusty w/ grit	low	none	25	SW	high	rock slide		4.2	214	0.06	0.02	160.39	6.80	43.2	114	soil found between rocks
SL0467	20-Aug-12	469420	5535041	939	10	light brown	high	med	loose	powdery + small grits	low	not much	25	SW	high	rock slide, above road		5.6	118	0.05	0.06	54.21	3.98	62.2	73	8m uphill from road
SL0468	20-Aug-12	469384	5535090	927	5	light brown	high	med	loose	powdery + small grits	low	cedar	cliff	SW	med	road at base of cliff		11.4	178	0.08	0.10	49.99	4.52	65.2	77	10m off 50m spacing - hard to find soil
SL0469	20-Aug-12	469370	5535140	922	10	reddish brown	high	high	loose	powdery + small grits	low	cedar, alder	cliff	W	med	road at base of cliff		1.9	180	0.05	<0.02	32.94	3.99	25.6	112	
SL0470	20-Aug-12	469386	5535186	925	5	light brown + grey	med	med	friable	sandy + angular pebbles	low	cedar, alder	cliff	W	med	road at base of cliff		2.6	69	<0.02	<0.02	41.12	2.79	37.2	20	
SL0471	20-Aug-12	469414	5535230	929	5	light brown	med	med	loose	fine w/ small grit	low	alder	cliff	W	med	base of cliff above road		3.4	234	0.07	0.02	39.37	4.60	35.0	111	silt between rocks
SL0472	20-Aug-12	469438	5535281	939	10	reddish brown	med	high	loose	fine w/ pebbles	low	alder	30	W	med	above old road		6.5	153	0.13	<0.02	25.79	5.61	40.1	84	
SL0473	20-Aug-12	469471	5535314	951	10	light brown	med	high	loose	powdery	low	alder + willow	30	W	med	above old road		2.9	110	0.12	<0.02	17.64	3.86	32.7	87	
SL0474	20-Aug-12	469506	5535364	959	5	tan grey	high	high	loose	gritty + pebbles	low	cedar + alder	30	W	med	above old road		7.9	86	0.08	<0.02	25.72	3.00	31.2	59	next to dry creek
SL0475	20-Aug-12	469512	5535407	966	5	light brown	high	high	loose	powdery + some pebbles	low	willows, cedars	20	NW	med	bank above road		2.5	69	0.05	<0.02	22.40	5.18	41.4	55	
SL0476	20-Aug-12	469512	5535454	970	5	grey tan	high	high	loose	grit + tiny pebbles	low	polar + shrubs	cliff	NW	med	base of cliff above road		3.3	73	0.04	<0.02	19.03	3.84	33.6	42	
SL0477	20-Aug-12	469504	5535501	981	5	light brown	high	high	loose	grit + tiny pebbles	low	cedar, hemlock, fir	20	NW	high	above old road		5.0	102	0.05	0.02	23.69	10.15	42.0	65	sample from upturned tree root
SL0478	20-Aug-12	469525	5535549	987	10	light brown	high	high	loose	fine	low	cedar, hemlock, fir	10	W	med	above old road		1.2	72	0.10	0.03	8.48	7.31	18.3	79	
SL0479	20-Aug-12	469573	5535521	997	10	light brown	low	med	lose	gritty + pebbles	low	alder	15	W	med	above old road		1.2	144	0.06	<0.02	20.51	5.87	32.2	121	next to ditch
SL0480	20-Aug-12	469588	5535471	1000	10	light brown	med	med	loose	gritty + pebbles	low	spruce, alder, willow, ferns	15	W	med	above old road		0.7	105	0.06	<0.02	20.14	5.72	27.2	103	
SL0481	20-Aug-12	469634	5535502	1021	10	light brown	low	low	loose	gritty w/ pebbles	low	2nd growth + alder	15	W	med	in rocks on cliff face		6.6	58	<0.02	<0.02	37.42	2.65	36.9	73	under small cliff -- sloughed off dirt above
SL0482	20-Aug-12	469651	5535552	1034	5	tan	low	med	loose	gritty w/ pebbles	low	2nd growth + alder	15	W	med	above old road		2.3	35	<0.02	<0.02	41.85	3.44	36.6	94	
SL0483	20-Aug-12	469673	5535600	1045	5	light brown	low	high	loose	gritty + pebbles	low	2nd growth + alder	20	W	med	beside road, beside creek		2.1	42	0.09	<0.02	13.50	3.25	36.7	19	
SL0484	20-Aug-12	469658	5535653	1049	5	brown	low	high	loose	powdery + pebbles	low	2nd growth + alder	20	W	med	beside road		1.6	35	0.06	<0.02	12.11	5.47	33.5	80	
SL0485	20-Aug-12	469677	5535701	1054	10	light brown	med	med	loose	powdery + pebbles	low	2nd growth + alder	20	W	med	beside road		0.7	25	0.22	<0.02	10.73	5.86	19.8	32	
SL0486	20-Aug-12	469684	5535751	1058	15	grey brown	low	med	loose	gritty + pebbles	low	2nd growth + alder	10	W	med	beside road		3.2	75	0.10	<0.02	10.36	2.31	19.7	47	
SL0487	20-Aug-12	469677	5535791	1058	5	brown	med	high	loose	gritty, lots of rocks & pebbles	low	alder + willow	0		high	floodplain road		4.9	61	0.03	0.04	15.13	2.18	27.4	25	floodplain(?), edge of it
SL0488	20-Aug-12	469577	5534858	946	10	light orangey brown	low	high	loose	powdery + few pebbles	low	polplar, alder, willow	35	SW	med	rocky bank above road		3.6	216	0.05	0.05	37.17	4.11	49.0	118	
SL0489	20-Aug-12	469620	5534830	949	5	grey ash	high	high	loose	powdery + pebbles	low	none; exposed soil between rocks	35	SW	med	rock slide above road		2.8	106	<0.02	<0.02	39.93	4.78	39.3	29	
SL0490	20-Aug-12	469680	5534761	951	10	light brown	med	high	loose	powdery w/ rocks	low	2nd growth + alder	35	SW	med	above road		1.0	54	0.13	<0.02	15.52	6.24	40.2	17	
SL0491	20-Aug-12	469704	5534727	946	5	grey	low	high	friable	sandy	low	poplar	cliff	SW	high	boulders at base of cliff		7.6	104	0.03	<0.02	23.19	6.75	19.7	64	evidence of blasting; soil between rocks; poor sample
SL0492	20-Aug-12	469749	5534692	944	5	dark brown	med	high	loose	gritty w/ rocks + pebbles	low	alder, cedar, shrubs	cliff	SW	high	base of cliff above road		8.4	255	0.04	<0.02	77.56	5.94	50.5	103	sample taken from surface soil pockets on cliff
SL0493	20-Aug-12	469795	5534675	946	5	brownish grey	low	high	loose	large grit, rocks	low	alder, willows	35	SW	med	bank above road		7.3	46	0.02	0.05	28.77	2.82	34.8	46	
SL0494	20-Aug-12	469853	5534640	953	5	brown	med	high	friable	powdery w/ pebbles	low	alder, ferns	30	SW	high	rock slide above road		28.3	144	0.12	0.08	54.14	7.88	35.1	88	
SL0495	21-Aug-12	469873	5534594	934	5	grey	med	low	friable	gritty	low	alder, cedar	20	SW	med	exposed soil above old road		54.8	74	<0.02	0.05	21.08	2.15	24.6	8	
SL0496	21-Aug-12	469898	5534550	932	5	brown	low	high	friable, rotten rock	hard, gritty, lumpy	low	alder, willow, cedar	20	SW	low	above old road		4.6	49	<0.02	<0.02	24.56	3.84	28.4	69	
SL0497	21-Aug-12	469917	5534510	934	5	light brown	med	high	loose	gritty w/ pebbles	low	alder, willow, cedar	25	SW	low	above old road, under old stump		1.5	109	0.07	0.03	21.05	4.72	39.3	83	
SL0498	21-Aug-12	469961	5534479	935	10	dark brown	high	high	loose	powdery w/ pebbles	low	alder, willow, cedar	cliff	SW	med	base of cliff above road		73.4	211	0.07	0.05	26.89	5.43	37.0	91	
SL0499	21-Aug-12	469999	5534451	937	5	light brown	med	high	loose	powdery	low	alder, willow	30	SW	med	rock slide above road		3.6	455	0.05	0.02	46.38	5.90	75.5	154	
SL0500	21-Aug-12	470035	5534429	945	5	dark brown	high	high	loose	gritty w/ pebbles	low	fireweed + samll shrubs	30	SW	med	rock slide above road		2.5	252	0.06	0.06	61.81	5.11	69.5	60	
SL0501	21-Aug-12	470076	5534405	938	5	light brown	med	high	loose	gritty w/ pebbles	low	alder	30	SW	med	rock slide above road		4.3	128	<0.02	<0.02	27.67	3.70	25.1	74	
SL0502	21-Aug-12	470115	5534384	932	5	tan	low	high	loose	gritty	low	alder, willow, shrubs	30	SW	high	above road, next to dry creek		5.1	65	<0.02	0.04	26.56	2.59	27.6	18	
SL0503	21-Aug-12	470145	5534348	928	10	light brown	high	high	loose	powdery w/ rocks	low	cedar, alder, shrubs	35	SW	high	above road, beside gully		7.5	174	0.04	0.11	107.42	21.37	53.2	25	
SL0504	21-Aug-12	470162	5534298	917	5	grey	low	med	friable	gritty + angular rocks	low	cedar + alder + willow	cliff	SW	med	above road at base of cliff		14.4	236	0.09	0.15	228.90	9.81	33.4	121	
SL0505	21-Aug-12	470189	5534255	912	5	grey	high	high	loose	gritty, dusty, small pebbles	low	cedar	30	SW	med	above road		5.2	77	<0.02	<0.02	81.59	4.01	40.8	37	
SL0506	21-Aug-12	470214	5534212	903	15	brown	med	high	loose	gritty, sandy, rocky	low	cedar + alder	25	SW	med	above road		2.3	120	0.04	<0.02	48.52	5.36	26.5	117	
SL0507	21-Aug-12	470248	5534174	903	5	reddish brown	high	high	loose	powdery	low	alder + cedar	25	SW	med	above old road	NE	1.6	111	0.14	0.02	27.42	5.69	27.7	83	
SL0508	21-Aug-12	470287	5534139	902	5	brown	high	med	loose	sandy	low	alder + 2nd growth	20	SW	med	above old road		3.7	122	0.15	0.05	45.72	4.33	16.2	93	
SL0509	21-Aug-12	470332	5534118	906	10	dark brown	low	high	loose	gritty + sandy	low	alder + 2nd growth	20	SW	med	above old road		1.4	149	0.09	0.03	50.39	4.35	32.0	43	
SL0510	21-Aug-12	470373	5534093	909	5	reddish brown	high	med	loose	powdery, few rocks	low	alder + 2nd growth	20	SW	med	above old road, under stump		2.0	110	0.10	0.03	27.23	4.46	26.5	157	
SL0511	21-Aug-12	470417	5534059	908	5	grey + dark brown	low	high	clumpy	gritty + pebbles	high	devils club + alder	25	SW	high	edge of dry stream + road		3.1	73	0.04	0.03	25.73	3.32	27.0	34	
SL0512	21-Aug-12	470453	5534021	909	10	grey brown	mod	high	loose	powdery + angular rocks	low	alder + 2nd growth	10	SW	med	above road		5.3	112	0.06	0.03	64.40	8.22	29.5	50	
SL0513	21-Aug-12	470501	5534000	904	15	light brown	high	high	loose	powdery	low	alder, ferns + 2nd growth	5	SW	med	above road		3.0	126	0.09	0.04	30.44	7.54	39.6	89	
SL0514	21-Aug-12	470545	5533977	903	10	light grey ash	high	high	loose	powdery + rocky	low	alder hell	5	SW	med	above road & ditch		1.2	31	0.04	0.03	24.30	7.12	35.2	23	
SL0515	21-Aug-12	470590	5533957	903	10	brown	high	high	loose + some friable	powdery	low	willow + alder	10	SW	med	above road & ditch		1.4	84	0.06	0.02	30.60	6.19	27.5	67	
SL0516	21-Aug-12	470632	5533927	896	10	dark brown	med	high	loose	powdery	low	alder, 2nd & old growth	5	SW	med	above road & ditch		1.0	135	0.08	0.02	26.26	5.90	34.5	164	swampy, bushy owvergrown area
SL0517	21-Aug-12	470676	5533900	892	20	dark brown	low	high	loose	fine	low	alder, 2nd & old growth	5	SW	med	above road & ditch		1.4	202	0.10	<0.02	33.58	6.79	15.6	93	poor quality sample - organic

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SOIL Samples - Field notes & Selected Analyses

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Sample ID	Date	Easting	Northing	Elev.	Depth (cm)	Color	Prop'n Silt	Prop'n Organic	Consistency	Texture	Moisture Content	Vegetation	Slope (deg)	Slope°	Degree of Disturbance	Description of Disturbance	Photo View Dir	Au [ppb]	Ag [ppb]	Bi [ppm]	Te [ppm]	Cu [ppm]	Pb [ppm]	Zn [ppm]	Hg [ppb]	Comment
SL0518	21-Aug-12	470730	5533892	890	15	grey	high	med	loose	very very fine sand	high	alder, 2nd & old growth	5	SW	med	above road & ditch, beside creek bed		1.3	30	<0.02	<0.02	11.65	1.71	28.0	8	may be poor sample - hard to find soil in area
SL0519	22-Aug-12	471376	5532735	542	5	grey	med	high	some friable	grit	low	maple, ferns	30	S	low	rock slide		1.9	71	0.04	<0.02	4.85	13.15	51.1	69	
SL0520	22-Aug-12	471412	5532700	525	10	grey ash	high	low	loose	fine + gritty	low	2nd growth	30	S	low	old logging		0.8	61	0.02	<0.02	1.43	4.69	9.9	19	
SL0521	22-Aug-12	471456	5532664	503	10	brown + grey	low	high	loose	powdery + small pebbles	low	2nd growth	30	S	low	old logging		0.9	83	0.04	0.02	6.63	4.95	16.2	80	
SL0522	22-Aug-12	471496	5532633	487	5	grey	med	high	loose	powdery + small pebbles	low	2nd growth	30	S	low	old logging		16.3	62	0.04	<0.02	3.68	4.18	27.4	29	
SL0523	22-Aug-12	471541	5532615	487	5	grey	high	high	loose	dusty + gritty	low	2nd growth	30	S	low	old logging		1.8	50	0.06	0.03	3.81	6.64	17.4	26	still no sign of a road!
SL0524	22-Aug-12	471589	5532604	483	5	tan, yellow	high	med	loose	powdery + angular rocks	low	2nd growth	30	S	low	old logging	N	3.3	31	0.08	0.05	6.64	6.52	25.6	44	photo
SL0525	22-Aug-12	471588	5532656	518	5	grey ash	med	med	friable	gritty	low	2nd growth	30	S	low	old logging		0.2	16	0.03	<0.02	7.03	4.29	22.0	30	no sign of road, trying to find place to cross ravine
SL0526	22-Aug-12	471545	5532753	573	5	tan grey	med	med	loose + friable	powdery + pebbles	low	2nd growth	30	S	low	old logging		2.3	35	0.08	0.04	5.95	7.18	34.4	26	underneath upturned stump
SL0527	22-Aug-12	471640	5532816	614	5	ash grey	high	med	loose	fine sand	low	alder, cedar	20	S	low	old logging		13.5	12	<0.02	<0.02	7.35	1.08	16.6	<5	next to active creek
SL0528	22-Aug-12	471722	5532864	642	10	grey	med	low	loose + friable rock	gritty	low	poplar	10	SW	med	above old road		0.4	26	<0.02	<0.02	2.01	1.77	8.9	12	found a road!
SL0529	22-Aug-12	471696	5532909	651	10	light brown	high	high	loose	powdery w/ pebbles	low	poplar + 2nd growth	10	SW	med	above old road + ditch		0.4	16	<0.02	<0.02	7.13	2.98	18.6	19	significant water action
SL0530	22-Aug-12	471660	5532945	658	5	reddish brown	high	med	loose	sandy/gritty	low	poplar + 2nd growth	10	SW	med	above old road bank		1.7	36	0.03	0.03	20.94	3.95	40.4	77	
SL0531	22-Aug-12	471627	5532991	666	10	grey yellow brown	high	med	loose	powdery w/ rounded rocks	low	alder, poplar, 2nd growth	10	SW	med	old road bank		2.9	59	0.03	<0.02	8.54	4.38	18.3	86	above old road
SL0532	22-Aug-12	471603	5533043	680	15	light grey ash	high	low	loose	powdery w/ rounded rocks	low	alder, poplar, 2nd growth	20	SW	med	bare soil above old road		1.0	13	<0.02	<0.02	10.47	1.50	18.8	<5	
SL0533	22-Aug-12	471579	5533090	688	20	brown grey	low	low	loose	sandy, gritty	med	alder, poplar, 2nd growth	20	SW	med	bare soil above old road		1.6	46	<0.02	<0.02	10.48	2.16	29.5	20	
SL0534	22-Aug-12	471518	5533095	697	15	light brown	high	high	loose	powdery + rocky	low	alder, poplar, 2nd growth	15	SW	med	above old road		9.3	68	0.05	0.03	11.74	5.79	26.0	54	
SL0535	22-Aug-12	471499	5533044	694	10	light brown	high	med	loose	gritty	low	cedar	20	SE	med	bank above old road		1.7	26	0.21	<0.02	7.01	7.01	21.1	14	
SL0536	22-Aug-12	471446	5533025	689	10	light brown	high	med	loose	powdery w/ stones	low	poplar + 2nd growth	10	SE	med	bank above old road		2.9	70	0.09	0.07	12.71	5.44	28.7	115	till
SL0537	22-Aug-12	471391	5533024	689	10	light brown	high	med	loose	gritty w/ stones	low	poplar + 2nd growth	15	SE	med	bank above old road		4.3	49	0.06	0.03	9.49	4.51	17.2	131	
SL0538	22-Aug-12	471342	5532996	685	5	tan	high	high	loose	gritty	low	poplar + 2nd growth	cliff	SE	high	base of cliff above road		1.2	101	0.06	0.03	5.42	8.78	31.3	74	probable blasting here at one time
SL0539	22-Aug-12	471291	5532977	685	5	light brown	med	high	loose	gritty	low	cedar, alder	20	SE	med	bank above old road		<0.2	46	0.05	0.03	5.89	8.36	14.0	83	
SL0540	22-Aug-12	471241	5532985	688	5	light grey brown	med	low	loose	gritty + sharp stones	low	cedar, alder	cliff	SE	high	pile of dirt at bottom of cliff		0.8	41	<0.02	0.04	7.38	5.29	34.9	24	
SL0541	22-Aug-12	471186	5532998	689	5	grey	high	high	loose	powdery w/ friable rock	low	cedar, alder	cliff	SE	med	base of outcrop above road		2.3	278	0.09	0.03	30.45	14.94	27.7	81	

ASHLU MINES Ltd.

ASHLU PROJECT 2012

ROCK Samples - Field Notes & Selected analyses

Sample ID	Date	Sampler	UTM Easting	UTM Northing	Source	Source Descriptor	Location	Au [ppb]	Ag [ppb]	Bi [ppm]	Te [ppm]	Cu [ppm]	Pb [ppm]	Zn [ppm]	Description
1449001	16-Aug-12	J.D.Williams	473115	5532839	grab	float north of small stream	On logging road, north bank of Ashlu Creek, mid elevation, near east Property boundary	0.2	174	0.02	0.36	27.79	9.98	24.5	Altered granite?: light green-grey & yellow green massive, bleached, nearly friable aplitic material; thin weathering rind of dark orange-brown oxide.
1449002	18-Aug-12	C.Chudyk	469130	5535878	grab	float	On uppermost logging road, north bank of Ashlu Creek, towards north central part of Property	<0.2	25	<0.02	<0.02	3.09	1.24	54.5	Granodiorite: single, partly subrounded fragment; moderately to weakly foliated; medium grained, CI ~35, no mineralization.
1449003	21-Aug-12	C.Chudyk	470112	5534380	grab	float	On uppermost logging road, north side of Ashlu Creek north of mining lease	0.7	16	<0.02	<0.02	22.28	1.25	43.6	Granodiorite: medium-coarse grained, equigranular & granitic textured; biotite predominant dark mineral, CI ~35; pale orange brown weathering surface; no mineralization.
1449004	21-Aug-12	C.Chudyk	470145	5534271	grab	float	On uppermost logging road, north side of Ashlu Creek north of mining lease	29.4	462	0.04	0.11	524.04	0.56	70.2	Basalt: moderately hard (~5.5), massive, fine grained, green-grey; weakly developed sericite alteration in places; occasional patch of coarse grained amphibolite(?); patchy, medium to dark, orange-brown weathering; up to 10%, average 1%, irregularly disseminated, fine & medium grained pyrite euhedra & small aggregates.

APPENDIX B – Assay Certificates & 'Methods Specifications' Sheets

Assayer's certificates for all samples of the 2012 field program at the Ashlu Property are included in their entirety as released by Acme Analytical Laboratories of Vancouver, BC. A certificate for the 142 soil samples and a second certificate for the 4 rock samples are appended. All samples were analyzed for a suite of 53 elements by ICP-MS from a 15 gram subsample (Acme code 1F05). Details on that analytical procedure are outlined in the 'Methods Specifications' sheets as released by Acme Labs.

Acme Certificates:

Acme Method Specifications

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

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Client: **Integrex Engineering**
303 - 1225 Cardero Street
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Submitted By: J. David Williams
Receiving Lab: Canada-Vancouver
Received: August 23, 2012
Report Date: September 07, 2012
Page: 1 of 6

CERTIFICATE OF ANALYSIS VAN12003977.1

CLIENT JOB INFORMATION

Project: ASHLU
Shipment ID: 2012-01
P.O. Number
Number of Samples: 142

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
PICKUP-RJT Client to Pickup Rejects

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	142	Dry at 60C			VAN
SS80	142	Dry at 60C sieve 100g to -80 mesh			VAN
RJSV	142	Saving all or part of Soil Reject			VAN
1F05	142	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Integrex Engineering
303 - 1225 Cardero Street
Vancouver BC V6G 2H8
Canada

CC: Michael Raftery
Criag Lynes

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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303 - 1225 Cardero Street
Vancouver BC V6G 2H8 Canada

Project: ASHLU
Report Date: September 07, 2012

CERTIFICATE OF ANALYSIS VAN12003977.1

Method		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
SL0400	Soil	2.18	16.94	4.62	29.5	159	6.1	5.3	198	2.61	1.2	1.5	2.3	2.6	10.1	0.08	0.08	0.23	53	0.11	0.041
SL0401	Soil	0.91	16.21	3.32	27.9	40	8.2	7.3	231	1.89	1.3	1.3	1.4	1.7	24.6	0.06	0.05	0.07	55	0.28	0.035
SL0402	Soil	1.09	21.74	3.40	36.0	87	10.9	7.9	224	2.74	1.8	1.8	1.6	1.8	27.1	0.06	0.04	0.07	79	0.16	0.033
SL0403	Soil	1.42	15.20	1.91	20.1	48	5.6	5.2	175	2.09	1.2	2.1	1.4	2.9	12.3	0.02	0.04	0.04	62	0.16	0.031
SL0404	Soil	0.92	10.58	3.60	26.6	19	4.5	4.5	113	3.05	1.1	0.7	0.2	2.6	6.8	0.02	0.05	0.05	80	0.09	0.075
SL0405	Soil	1.01	15.87	1.62	19.4	26	5.1	6.2	155	2.10	1.1	1.7	0.8	1.9	11.2	0.03	<0.02	<0.02	55	0.18	0.063
SL0406	Soil	0.51	16.84	1.82	32.2	5	7.9	9.9	350	2.63	1.3	1.2	0.7	3.3	21.1	0.01	0.04	<0.02	67	0.23	0.019
SL0407	Soil	5.32	11.99	3.94	20.8	55	4.8	5.1	133	3.41	1.1	1.0	0.8	1.7	8.1	0.04	0.04	0.05	97	0.12	0.023
SL0408	Soil	1.16	12.65	2.08	23.3	21	5.7	7.2	221	2.27	1.5	2.1	1.7	2.9	17.5	0.02	0.03	<0.02	72	0.20	0.017
SL0409	Soil	0.08	13.45	1.28	21.2	4	5.6	7.8	233	2.08	0.9	0.8	<0.2	2.7	19.1	0.01	<0.02	<0.02	59	0.24	0.027
SL0410	Soil	0.71	17.48	3.11	26.7	44	6.9	5.9	165	1.84	1.1	1.7	1.2	1.6	29.7	0.02	0.03	0.03	50	0.16	0.034
SL0411	Soil	1.16	27.50	4.07	49.9	70	13.2	11.1	333	3.08	1.5	1.4	0.3	1.9	35.6	0.07	0.03	0.05	79	0.23	0.027
SL0412	Soil	0.56	13.78	1.99	20.2	11	5.7	5.7	163	1.98	1.4	1.4	0.7	3.9	17.0	0.02	<0.02	0.02	67	0.19	0.042
SL0413	Soil	2.84	8.98	5.73	24.1	83	6.2	6.8	169	1.70	2.1	4.1	0.4	1.5	14.3	0.02	0.07	0.06	67	0.19	0.016
SL0414	Soil	0.50	8.64	3.56	18.7	60	4.9	4.4	118	3.10	1.2	0.5	<0.2	2.7	7.4	0.05	0.05	0.03	78	0.11	0.042
SL0415	Soil	0.29	17.94	4.74	39.7	35	6.2	7.7	440	2.29	1.3	0.8	0.2	2.3	20.6	0.05	0.05	0.02	65	0.53	0.084
SL0416	Soil	1.65	23.07	4.20	19.6	129	5.2	5.1	128	3.14	1.2	2.8	0.8	1.1	19.2	0.03	0.04	0.04	55	0.10	0.046
SL0417	Soil	2.83	19.52	6.43	20.0	125	9.1	7.5	158	2.66	1.3	2.2	<0.2	1.9	32.3	0.06	0.04	0.06	92	0.22	0.045
SL0418	Soil	0.93	41.94	4.35	51.4	162	12.2	13.5	492	3.82	2.6	3.4	1.3	3.6	37.8	0.11	0.05	0.04	89	0.27	0.097
SL0419	Soil	1.25	15.78	4.82	33.0	128	8.3	6.4	211	1.53	0.8	3.9	0.3	0.7	24.8	0.09	0.06	0.05	45	0.27	0.039
SL0420	Soil	0.73	13.45	2.30	71.6	39	13.5	20.3	585	3.88	2.8	6.3	5.2	2.6	53.0	0.04	0.14	<0.02	80	0.32	0.043
SL0421	Soil	2.11	9.25	4.45	18.2	136	3.4	3.7	94	2.20	0.9	0.9	<0.2	2.0	7.2	0.07	0.04	0.03	49	0.09	0.040
SL0422	Soil	0.40	10.11	3.58	17.4	68	4.5	4.8	196	2.29	0.7	0.6	<0.2	2.1	9.6	0.04	0.05	0.02	64	0.16	0.048
SL0423	Soil	0.10	18.22	1.17	24.9	11	5.1	7.8	228	1.87	0.8	0.7	<0.2	1.9	25.4	0.02	<0.02	<0.02	53	0.27	0.063
SL0424	Soil	0.12	16.68	1.18	18.1	11	4.7	6.4	171	1.86	0.9	0.6	<0.2	2.4	19.5	0.02	<0.02	<0.02	57	0.30	0.060
SL0425	Soil	0.24	13.41	3.17	17.7	21	4.9	5.0	182	1.86	1.0	0.6	<0.2	2.0	12.7	0.03	0.03	<0.02	56	0.20	0.049
SL0426	Soil	0.38	7.96	3.73	11.7	47	3.0	3.1	79	2.23	0.9	0.5	<0.2	1.6	5.9	0.03	0.05	0.03	69	0.09	0.047
SL0427	Soil	0.98	7.74	6.55	18.0	15	2.7	3.3	153	1.67	1.0	0.5	0.6	1.2	7.7	0.01	0.11	0.04	50	0.10	0.029
SL0428	Soil	2.38	14.72	3.50	22.4	15	7.0	6.1	204	2.17	1.4	2.4	1.7	2.1	19.0	0.03	0.04	<0.02	66	0.21	0.042
SL0429	Soil	0.30	10.08	0.95	14.5	18	3.9	5.9	146	2.04	0.4	0.5	0.3	1.7	14.1	0.02	<0.02	<0.02	64	0.23	0.044

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Project: ASHLU
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CERTIFICATE OF ANALYSIS VAN12003977.1

		Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
SL0400	Soil		5.0	17.8	0.33	61.1	0.171	1	3.60	0.013	0.11	0.2	3.7	0.14	0.03	194	0.8	0.06	10.3	1.94	<0.1	0.17
SL0401	Soil		4.3	18.9	0.49	120.4	0.127	<1	1.56	0.027	0.20	<0.1	2.3	0.11	<0.02	31	0.1	<0.02	5.5	0.89	<0.1	0.03
SL0402	Soil		6.0	24.3	0.63	139.8	0.164	<1	2.99	0.022	0.22	0.1	3.5	0.17	0.05	56	0.6	0.03	8.1	2.00	<0.1	0.03
SL0403	Soil		5.2	15.2	0.36	70.9	0.098	<1	1.72	0.023	0.13	0.1	2.7	0.07	<0.02	35	0.3	<0.02	4.4	0.74	<0.1	0.05
SL0404	Soil		2.9	17.6	0.26	33.8	0.151	<1	3.34	0.015	0.05	<0.1	2.6	0.06	0.06	75	0.4	0.02	10.1	1.23	<0.1	0.15
SL0405	Soil		5.6	15.0	0.38	63.6	0.086	<1	2.76	0.024	0.09	<0.1	2.5	0.07	0.03	74	1.1	<0.02	5.3	0.49	0.1	0.02
SL0406	Soil		5.8	15.7	0.63	212.4	0.159	<1	2.05	0.031	0.32	<0.1	3.1	0.16	<0.02	7	0.1	0.03	5.5	1.01	<0.1	0.05
SL0407	Soil		5.6	13.8	0.31	47.3	0.216	<1	2.37	0.015	0.06	0.1	2.7	0.05	0.02	106	0.7	<0.02	12.6	0.67	<0.1	0.08
SL0408	Soil		4.7	13.9	0.43	108.3	0.146	<1	1.61	0.029	0.20	<0.1	2.5	0.09	<0.02	23	0.2	0.02	5.5	0.73	<0.1	0.03
SL0409	Soil		5.4	15.5	0.47	158.5	0.105	<1	1.46	0.040	0.19	<0.1	2.3	0.09	<0.02	8	<0.1	<0.02	3.9	0.54	<0.1	0.03
SL0410	Soil		4.6	19.2	0.45	108.3	0.124	<1	2.65	0.018	0.15	<0.1	2.3	0.15	0.03	29	0.4	<0.02	8.1	1.65	<0.1	0.03
SL0411	Soil		4.6	26.1	0.91	191.1	0.232	<1	2.70	0.030	0.35	<0.1	4.1	0.22	0.03	29	0.4	0.03	9.9	2.86	<0.1	<0.02
SL0412	Soil		6.7	17.5	0.38	76.1	0.104	<1	3.14	0.021	0.11	0.1	2.6	0.09	<0.02	18	0.4	0.04	5.9	0.54	<0.1	0.04
SL0413	Soil		4.2	14.2	0.48	60.9	0.245	<1	2.43	0.017	0.07	0.1	2.1	0.05	0.02	45	0.4	0.02	15.0	0.89	<0.1	0.05
SL0414	Soil		3.1	20.9	0.29	33.9	0.165	<1	2.90	0.015	0.05	<0.1	2.9	0.03	0.03	166	0.4	<0.02	10.5	0.70	<0.1	0.10
SL0415	Soil		5.1	17.2	0.44	104.6	0.105	2	1.60	0.024	0.21	<0.1	2.3	0.09	<0.02	24	0.1	<0.02	5.0	0.77	<0.1	0.03
SL0416	Soil		6.5	17.4	0.32	67.6	0.121	<1	3.61	0.011	0.10	<0.1	2.8	0.14	0.06	112	1.0	<0.02	12.3	1.20	<0.1	0.06
SL0417	Soil		10.1	20.0	0.38	144.1	0.205	<1	2.45	0.016	0.17	<0.1	2.9	0.11	0.06	57	0.6	<0.02	15.6	1.35	<0.1	0.04
SL0418	Soil		8.8	31.0	0.76	222.5	0.180	<1	4.76	0.029	0.41	0.1	4.7	0.28	0.05	53	0.8	0.06	10.0	2.33	<0.1	0.04
SL0419	Soil		4.7	20.3	0.51	111.0	0.168	<1	2.45	0.017	0.15	0.1	2.6	0.10	0.05	54	0.4	<0.02	9.8	1.49	<0.1	<0.02
SL0420	Soil		3.1	20.3	1.61	312.1	0.289	<1	5.12	0.011	0.93	<0.1	4.7	0.29	<0.02	103	0.5	<0.02	9.9	1.45	<0.1	0.09
SL0421	Soil		3.8	15.8	0.24	37.5	0.139	<1	4.05	0.014	0.06	<0.1	4.6	0.05	0.04	198	0.8	<0.02	9.7	0.94	<0.1	0.15
SL0422	Soil		3.1	17.1	0.25	36.9	0.114	<1	2.94	0.018	0.06	<0.1	3.3	0.03	0.02	116	0.4	<0.02	7.3	0.57	<0.1	0.07
SL0423	Soil		4.4	10.9	0.46	129.2	0.093	<1	1.39	0.029	0.24	<0.1	2.1	0.09	<0.02	11	<0.1	<0.02	3.6	0.59	<0.1	0.02
SL0424	Soil		5.2	12.3	0.34	90.8	0.078	<1	1.04	0.038	0.15	0.2	1.9	0.06	<0.02	7	0.1	<0.02	3.0	0.44	<0.1	0.03
SL0425	Soil		3.8	14.6	0.30	53.5	0.076	<1	1.68	0.022	0.08	0.1	2.3	0.05	0.02	56	0.4	<0.02	4.4	0.49	<0.1	<0.02
SL0426	Soil		3.2	15.1	0.15	21.6	0.107	<1	2.23	0.011	0.03	<0.1	2.6	0.03	0.02	91	0.4	0.02	8.9	0.43	<0.1	0.07
SL0427	Soil		3.0	9.2	0.23	28.7	0.105	<1	1.22	0.012	0.06	2.9	1.6	0.04	<0.02	59	0.2	<0.02	7.1	0.55	<0.1	0.02
SL0428	Soil		5.5	18.0	0.39	69.6	0.116	<1	2.11	0.024	0.10	0.6	2.8	0.07	<0.02	22	0.2	<0.02	7.9	0.65	<0.1	0.06
SL0429	Soil		4.7	12.5	0.25	59.6	0.051	<1	0.94	0.028	0.09	<0.1	1.4	0.04	<0.02	19	0.1	<0.02	2.9	0.34	<0.1	<0.02

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Project: ASHLU
Report Date: September 07, 2012

CERTIFICATE OF ANALYSIS VAN12003977.1

Method		1F15	1F15		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
SL0400	Soil	1.88	22.3	0.3	<0.05	6.7	3.72	13.3	0.03	<1	0.2	8.0	<10	<2
SL0401	Soil	0.96	11.7	0.2	<0.05	0.5	3.31	9.3	<0.02	<1	0.2	8.6	<10	<2
SL0402	Soil	1.58	15.7	0.3	<0.05	0.8	4.32	12.5	<0.02	<1	0.3	10.8	<10	<2
SL0403	Soil	0.71	8.0	<0.1	<0.05	1.2	3.60	16.4	<0.02	<1	0.1	5.6	<10	<2
SL0404	Soil	1.34	10.1	0.3	<0.05	5.3	2.14	7.2	<0.02	<1	0.1	6.3	<10	<2
SL0405	Soil	0.84	5.3	<0.1	<0.05	1.0	3.43	11.4	<0.02	<1	0.2	5.1	<10	<2
SL0406	Soil	0.66	20.4	0.2	<0.05	1.0	4.59	16.1	<0.02	<1	0.2	10.3	<10	<2
SL0407	Soil	1.73	4.6	0.3	<0.05	2.5	4.35	10.8	<0.02	<1	0.3	7.0	<10	<2
SL0408	Soil	0.69	11.6	0.2	<0.05	1.0	3.49	12.7	<0.02	<1	0.2	8.1	<10	<2
SL0409	Soil	0.46	11.0	0.1	<0.05	0.9	3.91	12.1	<0.02	<1	<0.1	6.6	<10	<2
SL0410	Soil	1.23	15.8	0.2	<0.05	0.7	2.90	9.7	<0.02	<1	0.1	7.7	<10	<2
SL0411	Soil	1.45	26.2	0.3	<0.05	0.5	3.86	9.5	<0.02	<1	0.2	15.5	<10	<2
SL0412	Soil	1.06	7.2	0.1	<0.05	1.4	4.31	13.7	<0.02	<1	0.3	6.7	<10	<2
SL0413	Soil	1.62	4.8	0.5	<0.05	1.7	2.77	9.0	<0.02	<1	0.2	11.2	<10	<2
SL0414	Soil	1.65	3.7	0.3	<0.05	2.3	2.53	7.1	<0.02	<1	0.2	4.9	<10	<2
SL0415	Soil	0.91	13.2	0.1	<0.05	0.9	3.32	11.8	<0.02	<1	0.1	6.3	<10	<2
SL0416	Soil	1.76	8.1	0.3	<0.05	2.1	4.87	14.2	<0.02	<1	0.2	5.5	<10	<2
SL0417	Soil	2.26	15.5	0.4	<0.05	1.3	6.61	21.8	<0.02	<1	0.2	5.3	<10	<2
SL0418	Soil	1.81	27.4	0.2	<0.05	1.0	8.09	18.7	<0.02	<1	0.4	16.1	<10	<2
SL0419	Soil	1.60	12.5	0.3	<0.05	0.5	3.66	9.7	<0.02	<1	0.4	15.1	<10	<2
SL0420	Soil	0.73	40.0	0.2	<0.05	2.1	3.82	6.7	<0.02	<1	0.3	17.0	<10	<2
SL0421	Soil	1.64	8.4	0.2	<0.05	5.0	4.17	11.5	0.02	<1	0.3	5.1	<10	<2
SL0422	Soil	1.14	4.2	0.3	<0.05	2.8	2.75	10.8	<0.02	<1	0.2	4.2	<10	<2
SL0423	Soil	0.33	13.2	<0.1	<0.05	0.6	3.42	9.8	<0.02	<1	0.1	6.8	<10	<2
SL0424	Soil	0.31	7.7	<0.1	<0.05	0.6	3.86	11.3	<0.02	<1	<0.1	5.1	<10	<2
SL0425	Soil	0.65	5.0	0.2	<0.05	0.6	2.84	10.5	<0.02	<1	0.2	4.2	<10	<2
SL0426	Soil	1.20	2.4	0.4	<0.05	2.7	2.30	7.5	<0.02	<1	0.1	2.5	<10	<2
SL0427	Soil	1.10	4.5	0.4	<0.05	0.6	1.90	6.8	<0.02	<1	<0.1	3.5	<10	<2
SL0428	Soil	0.92	6.1	0.2	<0.05	1.7	4.32	12.4	<0.02	<1	0.2	6.1	<10	<2
SL0429	Soil	0.31	4.2	<0.1	<0.05	0.2	3.07	9.5	<0.02	<1	<0.1	3.4	<10	<2

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Report Date: September 07, 2012

CERTIFICATE OF ANALYSIS VAN12003977.1

Method		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
SL0430	Soil	0.17	17.74	1.26	13.2	34	4.4	7.8	165	1.97	0.9	0.6	1.6	2.1	19.0	0.03	<0.02	<0.02	61	0.24	0.042
SL0431	Soil	1.40	14.69	4.11	26.2	46	6.1	6.0	193	3.04	1.3	1.3	0.4	2.9	9.4	0.04	0.07	0.04	69	0.11	0.032
SL0432	Soil	0.79	20.94	4.31	52.4	59	8.1	10.6	183	2.59	0.7	0.7	15.2	1.9	8.8	0.05	0.07	0.05	62	0.11	0.047
SL0433	Soil	0.76	21.38	4.56	54.2	53	8.2	10.9	184	2.58	0.9	0.7	0.9	1.7	9.0	0.05	0.06	0.05	61	0.10	0.052
SL0434	Soil	0.38	16.73	12.31	38.0	49	4.3	7.5	280	2.33	1.5	0.7	<0.2	1.5	24.2	0.07	0.23	0.08	63	0.29	0.046
SL0435	Soil	0.50	9.70	4.53	49.0	95	8.2	9.6	406	3.08	1.2	0.8	2.0	2.1	29.9	0.05	0.09	0.05	71	0.17	0.037
SL0436	Soil	0.25	13.78	1.57	25.2	8	5.6	5.8	188	1.81	0.6	0.8	3.3	2.1	20.1	0.05	0.04	0.04	50	0.21	0.049
SL0437	Soil	1.14	17.52	2.91	29.9	44	5.7	6.0	166	2.65	1.1	1.1	1.8	1.8	10.6	0.04	0.05	0.05	60	0.09	0.102
SL0438	Soil	0.98	15.88	7.38	58.8	150	3.8	10.1	331	3.33	0.4	0.3	2.3	0.3	12.8	0.12	0.06	0.06	80	0.18	0.029
SL0439	Soil	0.14	12.14	2.73	17.1	33	2.9	4.6	133	1.63	0.7	0.3	1.5	0.6	13.0	0.02	0.04	0.03	32	0.12	0.058
SL0440	Soil	0.25	16.40	4.38	28.7	146	4.4	4.5	153	2.43	0.8	0.5	2.9	1.1	11.8	0.04	0.06	0.07	58	0.09	0.051
SL0441	Soil	0.11	162.5	3.65	41.7	67	5.2	8.1	404	2.31	0.6	0.6	6.7	1.1	20.1	0.06	0.05	0.10	48	0.21	0.068
SL0442	Soil	0.14	27.04	2.76	34.3	61	6.1	7.6	276	2.21	0.9	0.6	4.1	1.4	23.5	0.04	0.05	<0.02	49	0.20	0.073
SL0443	Soil	0.27	21.04	2.98	25.6	53	4.1	5.8	160	2.33	0.8	0.6	3.6	1.4	13.4	0.05	0.03	0.03	51	0.09	0.074
SL0444	Soil	0.09	33.90	3.05	33.9	81	5.2	7.6	271	2.45	0.9	0.6	3.8	1.3	20.0	0.04	0.03	0.05	57	0.22	0.075
SL0445	Soil	0.35	14.27	4.73	27.3	110	4.5	4.8	198	2.31	0.8	0.3	1.8	0.9	15.0	0.05	0.05	0.06	54	0.13	0.059
SL0446	Soil	0.66	26.09	4.50	23.4	221	3.7	4.4	182	2.48	0.9	0.9	3.0	1.3	11.4	0.14	0.06	0.05	49	0.11	0.168
SL0447	Soil	0.66	35.79	3.90	32.6	200	4.5	5.6	173	2.13	1.2	0.6	12.2	1.3	14.0	0.10	0.04	0.03	53	0.10	0.089
SL0448	Soil	0.30	23.22	4.15	35.4	111	5.9	6.1	175	2.68	0.9	0.4	10.8	1.0	13.5	0.05	0.04	0.03	68	0.13	0.061
SL0449	Soil	0.25	16.98	4.33	28.2	109	4.3	5.1	170	2.41	0.7	0.4	7.2	1.0	14.0	0.03	0.05	0.04	61	0.12	0.058
SL0450	Soil	0.26	22.47	3.90	33.2	101	4.7	6.7	254	2.32	0.5	0.4	3.1	0.8	21.8	0.06	0.04	0.03	59	0.18	0.063
SL0451	Soil	0.15	36.21	2.13	27.2	87	4.8	9.0	245	2.78	0.7	0.6	5.2	1.2	17.6	0.03	0.03	<0.02	66	0.20	0.075
SL0452	Soil	0.42	52.22	3.20	48.6	123	8.2	11.2	428	2.85	1.6	1.6	34.9	1.0	26.4	0.07	0.06	0.03	69	0.20	0.076
SL0453	Soil	0.66	79.27	7.44	40.4	230	9.6	16.9	455	2.75	2.8	0.7	2.8	0.4	150.5	0.10	0.11	0.05	67	0.29	0.079
SL0454	Soil	0.33	19.71	3.39	30.1	109	5.4	5.6	173	2.61	1.0	0.4	3.3	1.4	9.7	0.02	0.04	0.04	63	0.09	0.041
SL0455	Soil	0.48	18.27	4.27	35.6	102	5.4	6.4	322	2.86	0.7	0.5	1.1	0.7	16.6	0.05	0.03	0.05	63	0.16	0.107
SL0456	Soil	0.71	34.01	3.02	40.0	125	7.4	7.8	335	2.75	0.9	0.6	1.3	0.6	18.0	0.06	0.02	0.03	62	0.19	0.081
SL0457	Soil	0.47	26.87	5.00	41.8	106	6.6	10.6	1350	2.71	0.9	0.8	5.4	0.7	24.6	0.11	0.05	0.05	55	0.19	0.139
SL0458	Soil	0.41	21.80	3.11	35.5	51	5.4	6.5	297	2.86	0.2	0.7	2.1	0.8	19.2	0.04	0.02	0.04	64	0.18	0.091
SL0459	Soil	1.02	18.16	5.94	20.7	183	4.4	4.0	110	2.99	0.3	0.8	1.7	0.3	11.8	0.08	0.04	0.07	56	0.08	0.044

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Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
SL0430	Soil	4.9	12.3	0.25	74.1	0.049	<1	0.97	0.027	0.11	<0.1	1.4	0.05	<0.02	12	0.1	<0.02	2.4	0.32	<0.1	<0.02
SL0431	Soil	3.1	18.0	0.40	51.3	0.188	<1	3.43	0.013	0.08	0.1	3.1	0.06	0.03	89	0.9	<0.02	9.7	1.08	<0.1	0.24
SL0432	Soil	2.6	12.9	0.38	63.5	0.183	<1	3.32	0.012	0.07	<0.1	2.4	0.10	<0.02	60	0.3	<0.02	8.7	2.24	<0.1	0.14
SL0433	Soil	2.7	12.1	0.39	66.1	0.185	<1	3.33	0.012	0.07	<0.1	2.3	0.10	<0.02	74	0.3	<0.02	9.0	2.36	<0.1	0.15
SL0434	Soil	3.1	8.9	0.50	135.7	0.165	<1	1.80	0.012	0.14	<0.1	2.0	0.10	0.04	177	0.3	<0.02	6.3	1.35	<0.1	0.03
SL0435	Soil	4.2	24.8	0.62	113.6	0.190	<1	2.66	0.013	0.16	<0.1	2.2	0.13	0.02	92	0.3	0.02	10.7	1.46	<0.1	0.02
SL0436	Soil	4.3	13.1	0.42	82.5	0.084	2	1.61	0.025	0.16	0.1	2.1	0.08	<0.02	27	0.2	<0.02	3.9	0.58	<0.1	0.03
SL0437	Soil	6.4	13.4	0.40	46.3	0.131	2	4.09	0.004	0.08	0.1	2.6	0.08	0.03	128	0.7	<0.02	7.2	0.93	<0.1	0.07
SL0438	Soil	1.6	6.4	0.90	158.0	0.250	<1	2.01	0.007	0.29	<0.1	2.3	0.09	0.02	58	<0.1	<0.02	8.7	0.92	<0.1	<0.02
SL0439	Soil	2.8	7.1	0.20	27.5	0.042	1	1.72	0.005	0.03	<0.1	1.2	0.03	<0.02	65	0.3	<0.02	3.9	0.32	<0.1	<0.02
SL0440	Soil	2.9	9.4	0.30	46.5	0.092	1	2.99	0.003	0.04	<0.1	2.2	0.04	<0.02	83	0.4	0.02	9.1	0.61	<0.1	0.05
SL0441	Soil	3.6	8.4	0.62	99.7	0.083	<1	2.27	0.011	0.17	<0.1	1.9	0.10	<0.02	38	0.2	0.02	5.2	0.64	<0.1	<0.02
SL0442	Soil	3.7	12.0	0.51	72.4	0.075	<1	2.31	0.008	0.10	0.1	2.0	0.07	<0.02	46	0.3	<0.02	5.0	0.51	<0.1	<0.02
SL0443	Soil	3.9	10.7	0.34	35.2	0.080	1	3.46	0.004	0.04	0.1	1.9	0.04	<0.02	70	0.6	<0.02	5.7	0.46	<0.1	0.06
SL0444	Soil	3.4	10.2	0.53	69.1	0.078	<1	1.94	0.010	0.12	<0.1	2.1	0.05	<0.02	31	0.2	0.03	4.9	0.52	<0.1	0.02
SL0445	Soil	2.9	9.9	0.34	46.9	0.099	1	2.85	0.006	0.05	<0.1	2.3	0.05	0.02	76	0.3	0.04	7.6	0.61	<0.1	0.04
SL0446	Soil	6.6	10.6	0.28	45.7	0.098	2	5.81	<0.001	0.05	0.1	3.1	0.06	0.04	169	1.0	<0.02	9.5	0.54	<0.1	0.10
SL0447	Soil	3.8	11.3	0.38	49.7	0.097	1	4.45	0.005	0.06	<0.1	2.9	0.05	0.03	115	0.6	<0.02	6.7	0.75	<0.1	0.09
SL0448	Soil	3.1	14.6	0.40	65.9	0.098	1	3.43	0.006	0.09	<0.1	2.5	0.05	<0.02	63	0.4	<0.02	7.3	0.78	<0.1	0.04
SL0449	Soil	3.0	11.8	0.35	50.4	0.102	1	2.98	0.006	0.07	<0.1	2.4	0.05	<0.02	65	0.4	<0.02	7.1	0.58	<0.1	0.03
SL0450	Soil	3.3	11.7	0.40	81.6	0.086	<1	2.21	0.010	0.12	<0.1	2.1	0.07	<0.02	58	0.2	0.03	6.2	0.61	<0.1	<0.02
SL0451	Soil	3.3	12.2	0.40	79.4	0.066	<1	1.65	0.009	0.12	<0.1	1.8	0.07	<0.02	24	0.2	0.03	3.8	0.38	<0.1	0.03
SL0452	Soil	3.2	16.0	0.73	172.1	0.124	1	2.70	0.006	0.25	0.2	2.5	0.14	<0.02	65	0.2	0.05	7.0	0.95	0.1	<0.02
SL0453	Soil	2.4	11.7	0.59	168.9	0.108	1	2.60	0.003	0.18	0.2	2.3	0.15	0.06	129	0.3	0.05	8.4	2.42	<0.1	<0.02
SL0454	Soil	3.1	13.5	0.35	54.0	0.126	<1	3.44	0.005	0.06	0.1	2.1	0.05	0.03	53	0.5	0.03	7.7	0.81	<0.1	0.07
SL0455	Soil	3.7	12.9	0.41	83.9	0.112	1	3.01	0.006	0.11	<0.1	2.2	0.06	0.03	76	0.4	<0.02	9.8	0.80	<0.1	0.02
SL0456	Soil	3.7	16.5	0.64	164.0	0.127	<1	2.76	0.009	0.25	<0.1	2.1	0.10	0.03	93	0.4	0.03	8.0	0.74	<0.1	<0.02
SL0457	Soil	4.4	15.4	0.48	141.5	0.116	<1	2.67	0.012	0.14	<0.1	1.9	0.13	0.03	97	0.3	0.03	8.7	1.04	<0.1	<0.02
SL0458	Soil	3.8	13.2	0.47	124.1	0.123	<1	2.79	0.009	0.18	0.1	2.1	0.09	0.03	87	0.3	<0.02	9.9	0.67	<0.1	0.02
SL0459	Soil	4.0	12.2	0.20	44.4	0.109	1	1.89	0.005	0.04	<0.1	1.2	0.07	0.04	82	0.3	<0.02	11.3	0.68	<0.1	0.03

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Project: ASHLU
Report Date: September 07, 2012

CERTIFICATE OF ANALYSIS VAN12003977.1

Method		1F15	1F15		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
SL0430	Soil	0.31	6.2	<0.1	<0.05	0.2	3.11	10.8	<0.02	<1	<0.1	3.5	<10	<2
SL0431	Soil	1.71	7.8	0.3	<0.05	8.2	2.34	8.5	<0.02	<1	0.2	7.1	<10	<2
SL0432	Soil	1.42	13.8	0.4	<0.05	6.0	1.51	6.0	<0.02	<1	0.6	17.2	<10	<2
SL0433	Soil	1.50	14.6	0.3	<0.05	6.0	1.57	6.2	<0.02	<1	0.6	17.7	<10	<2
SL0434	Soil	0.99	12.9	0.4	<0.05	0.6	2.35	6.6	<0.02	<1	0.1	6.7	<10	<2
SL0435	Soil	1.25	17.1	0.3	<0.05	0.7	2.19	8.1	<0.02	<1	0.2	13.3	<10	<2
SL0436	Soil	0.55	10.1	0.1	<0.05	1.1	2.89	9.4	0.02	<1	0.1	6.1	<10	<2
SL0437	Soil	1.17	9.3	0.2	<0.05	2.8	3.43	12.6	<0.02	<1	0.3	8.8	<10	<2
SL0438	Soil	0.85	8.8	0.3	<0.05	<0.1	3.35	3.4	<0.02	<1	0.2	9.5	<10	<2
SL0439	Soil	0.53	2.7	<0.1	<0.05	0.6	1.64	5.6	<0.02	<1	0.1	2.9	<10	<2
SL0440	Soil	1.14	5.8	0.3	<0.05	1.7	1.60	7.2	<0.02	<1	0.2	5.5	<10	<2
SL0441	Soil	0.71	11.3	0.1	<0.05	0.4	2.45	7.3	<0.02	<1	0.2	6.6	<10	<2
SL0442	Soil	0.58	7.3	<0.1	<0.05	0.8	2.65	8.6	<0.02	<1	0.1	6.4	<10	<2
SL0443	Soil	0.97	4.1	0.1	<0.05	2.2	2.30	12.3	<0.02	<1	0.2	4.9	<10	<2
SL0444	Soil	0.64	7.8	<0.1	<0.05	0.5	2.62	8.5	<0.02	<1	0.1	6.3	<10	<2
SL0445	Soil	1.12	4.9	0.2	<0.05	1.7	1.88	6.7	<0.02	1	0.2	6.8	<10	<2
SL0446	Soil	1.44	4.1	0.2	<0.05	3.6	5.37	12.9	<0.02	<1	0.4	5.6	<10	<2
SL0447	Soil	1.00	4.4	0.1	<0.05	3.3	2.94	9.1	<0.02	<1	0.4	9.8	<10	<2
SL0448	Soil	0.89	5.5	0.1	<0.05	1.9	2.36	6.9	<0.02	<1	0.3	11.3	<10	<2
SL0449	Soil	0.95	5.1	0.2	<0.05	1.3	2.12	7.9	<0.02	<1	0.2	6.0	<10	<2
SL0450	Soil	0.67	7.8	0.1	<0.05	0.7	2.41	7.0	<0.02	<1	0.2	6.7	<10	<2
SL0451	Soil	0.50	8.5	<0.1	<0.05	0.6	2.63	7.1	<0.02	<1	0.2	5.0	<10	<2
SL0452	Soil	1.04	17.1	0.1	<0.05	0.3	2.54	7.6	<0.02	<1	0.2	10.2	<10	<2
SL0453	Soil	1.23	17.3	0.3	<0.05	0.6	2.58	7.3	<0.02	<1	0.3	8.4	<10	<2
SL0454	Soil	1.16	7.6	0.2	<0.05	2.8	2.14	8.0	<0.02	<1	0.3	6.5	<10	<2
SL0455	Soil	1.43	9.1	0.2	<0.05	0.9	2.53	7.6	<0.02	<1	0.3	6.0	<10	<2
SL0456	Soil	1.29	11.7	0.1	<0.05	0.7	2.64	7.6	<0.02	<1	0.2	7.0	<10	<2
SL0457	Soil	1.03	13.6	0.2	<0.05	0.7	2.87	9.2	<0.02	<1	0.3	6.8	<10	<2
SL0458	Soil	1.48	9.7	0.2	<0.05	0.8	2.70	7.7	<0.02	<1	0.2	5.3	<10	<2
SL0459	Soil	1.48	3.7	0.4	<0.05	1.0	2.40	8.3	<0.02	<1	0.2	3.2	<10	<2

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CERTIFICATE OF ANALYSIS VAN12003977.1

Method		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
SL0460	Soil	0.10	9.14	1.79	34.4	22	5.3	6.7	274	2.31	0.5	0.2	2.5	0.7	24.9	0.02	<0.02	<0.02	57	0.31	0.051
SL0461	Soil	0.18	23.39	2.30	27.7	34	5.7	8.9	320	3.29	0.5	0.4	4.5	1.0	25.6	0.02	0.03	0.07	86	0.33	0.068
SL0462	Soil	0.05	5.19	0.96	16.9	11	2.8	3.6	140	2.08	0.3	0.2	0.6	0.4	18.1	<0.01	<0.02	<0.02	49	0.17	0.038
SL0463	Soil	1.39	27.62	5.08	48.3	115	11.4	19.4	425	4.90	1.2	0.4	2.1	0.8	14.2	0.03	0.04	0.04	113	0.17	0.249
SL0464	Soil	0.86	41.57	3.96	47.0	84	6.2	18.9	519	3.98	1.4	0.5	4.8	1.0	34.0	0.04	0.03	0.04	88	0.21	0.152
SL0465	Soil	0.70	32.84	4.99	45.4	150	10.0	21.6	907	3.64	0.7	0.4	1.5	0.2	38.5	0.09	0.03	0.04	91	0.38	0.072
SL0466	Soil	1.11	160.4	6.80	43.2	214	6.7	31.0	736	3.24	1.5	0.7	4.2	0.5	21.6	0.10	0.05	0.06	77	0.18	0.269
SL0467	Soil	0.84	54.21	3.98	62.2	118	7.4	24.5	712	3.56	1.2	0.5	5.6	0.6	55.2	0.11	0.03	0.05	85	0.28	0.326
SL0468	Soil	3.18	49.99	4.52	65.2	178	8.8	143.2	1644	4.79	1.7	0.8	11.4	0.4	27.9	0.08	0.03	0.08	103	0.19	0.113
SL0469	Soil	4.74	32.94	3.99	25.6	180	2.6	11.0	267	3.92	0.8	1.2	1.9	0.7	11.9	0.14	0.03	0.05	75	0.07	0.047
SL0470	Soil	0.46	41.12	2.79	37.2	69	2.2	14.6	463	3.62	0.5	1.2	2.6	1.1	17.4	0.03	<0.02	<0.02	68	0.49	0.167
SL0471	Soil	1.11	39.37	4.60	35.0	234	11.5	9.6	225	2.98	0.9	0.7	3.4	0.4	14.1	0.09	0.03	0.07	61	0.13	0.092
SL0472	Soil	0.61	25.79	5.61	40.1	153	8.3	9.4	343	2.98	1.3	0.6	6.5	0.8	22.8	0.27	0.11	0.13	67	0.21	0.068
SL0473	Soil	0.48	17.64	3.86	32.7	110	6.7	6.3	203	3.49	0.8	0.7	2.9	0.9	13.6	0.13	0.07	0.12	82	0.13	0.040
SL0474	Soil	0.31	25.72	3.00	31.2	86	6.5	6.9	239	2.33	0.9	0.6	7.9	1.4	25.8	0.07	0.06	0.08	57	0.28	0.073
SL0475	Soil	0.32	22.40	5.18	41.4	69	6.9	8.8	436	2.43	0.5	0.4	2.5	0.9	28.9	0.09	0.05	0.05	59	0.28	0.062
SL0476	Soil	0.40	19.03	3.84	33.6	73	7.4	9.3	367	2.59	1.7	0.5	3.3	1.0	19.7	0.11	0.05	0.04	64	0.24	0.078
SL0477	Soil	0.80	23.69	10.15	42.0	102	6.5	8.1	335	2.23	1.5	0.5	5.0	0.8	25.4	0.09	0.06	0.05	58	0.24	0.053
SL0478	Soil	2.38	8.48	7.31	18.3	72	3.6	3.1	110	2.30	5.2	0.5	1.2	1.0	20.1	0.10	0.14	0.10	60	0.10	0.020
SL0479	Soil	0.66	20.51	5.87	32.2	144	9.1	7.5	283	3.65	1.0	0.8	1.2	0.7	17.0	0.21	0.06	0.06	69	0.18	0.059
SL0480	Soil	0.71	20.14	5.72	27.2	105	6.1	5.7	217	3.16	0.7	0.5	0.7	0.6	13.4	0.15	0.05	0.06	72	0.14	0.025
SL0481	Soil	0.45	37.42	2.65	36.9	58	7.7	11.5	321	2.52	1.4	2.1	6.6	1.5	30.0	0.09	0.07	<0.02	61	0.32	0.117
SL0482	Soil	0.52	41.85	3.44	36.6	35	7.7	10.0	353	2.96	0.9	0.9	2.3	1.3	27.8	0.07	0.04	<0.02	72	0.29	0.086
SL0483	Soil	3.47	13.50	3.25	36.7	42	7.6	7.2	299	1.91	22.0	1.4	2.1	0.9	40.1	0.06	0.09	0.09	48	0.25	0.051
SL0484	Soil	2.37	12.11	5.47	33.5	35	6.1	5.6	205	2.60	5.8	0.9	1.6	1.3	15.2	0.05	0.05	0.06	57	0.18	0.059
SL0485	Soil	16.21	10.73	5.86	19.8	25	5.6	4.6	151	3.45	107.1	2.3	0.7	0.7	19.3	0.04	0.08	0.22	88	0.14	0.022
SL0486	Soil	1.01	10.36	2.31	19.7	75	9.2	3.9	152	1.67	1.1	0.6	3.2	0.2	27.5	0.02	0.05	0.10	41	0.14	0.053
SL0487	Soil	0.91	15.13	2.18	27.4	61	6.4	5.2	223	1.84	1.2	1.2	4.9	0.6	32.2	0.05	0.03	0.03	49	0.20	0.047
SL0488	Soil	0.93	37.17	4.11	49.0	216	5.8	9.7	271	3.74	1.3	0.7	3.6	1.0	28.5	0.10	0.06	0.05	82	0.16	0.155
SL0489	Soil	1.05	39.93	4.78	39.3	106	4.2	14.0	308	3.35	0.3	0.6	2.8	1.4	39.1	0.06	0.04	<0.02	104	0.52	0.172

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Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
SL0460	Soil	3.1	12.0	0.55	90.3	0.087	<1	0.89	0.033	0.08	<0.1	1.6	0.05	<0.02	24	<0.1	<0.02	3.8	0.26	<0.1	<0.02
SL0461	Soil	3.4	14.6	0.46	86.1	0.082	<1	0.88	0.026	0.15	0.2	1.6	0.05	<0.02	24	0.3	<0.02	3.6	0.33	<0.1	<0.02
SL0462	Soil	3.0	9.0	0.23	51.5	0.043	<1	0.45	0.024	0.06	<0.1	0.8	0.03	<0.02	15	<0.1	<0.02	2.4	0.18	<0.1	<0.02
SL0463	Soil	2.8	17.5	1.53	197.2	0.150	<1	3.02	0.012	0.78	<0.1	2.8	0.35	0.05	52	0.6	0.03	9.2	4.65	0.1	<0.02
SL0464	Soil	3.5	9.2	1.05	271.7	0.153	<1	2.44	0.013	0.50	0.1	2.4	0.21	0.02	50	0.5	0.06	7.0	2.28	<0.1	<0.02
SL0465	Soil	3.1	13.1	0.83	320.8	0.102	1	2.67	0.008	0.33	<0.1	1.5	0.17	0.05	57	0.3	<0.02	9.7	2.52	<0.1	<0.02
SL0466	Soil	3.6	8.6	0.78	231.0	0.113	1	2.30	0.011	0.46	<0.1	1.7	0.16	0.06	114	0.5	0.02	6.6	1.99	<0.1	<0.02
SL0467	Soil	2.7	9.4	0.88	398.0	0.129	<1	2.80	0.012	0.43	0.2	1.8	0.18	0.03	73	0.3	0.06	8.2	2.08	<0.1	<0.02
SL0468	Soil	3.0	9.2	1.41	292.2	0.150	<1	3.34	0.004	0.51	0.1	3.1	0.31	0.05	77	0.4	0.10	10.2	3.21	<0.1	<0.02
SL0469	Soil	4.4	5.1	0.55	97.5	0.140	<1	2.89	0.003	0.13	<0.1	1.7	0.12	0.06	112	0.7	<0.02	8.8	1.38	<0.1	<0.02
SL0470	Soil	6.6	4.1	0.65	209.4	0.133	<1	1.58	0.037	0.47	0.1	2.5	0.13	<0.02	20	<0.1	<0.02	5.2	1.03	<0.1	<0.02
SL0471	Soil	3.4	33.9	0.55	96.8	0.126	<1	3.20	0.004	0.13	0.2	1.6	0.11	0.05	111	0.6	0.02	9.2	1.08	<0.1	0.04
SL0472	Soil	4.2	20.0	0.61	123.0	0.130	2	2.20	0.013	0.19	0.2	2.6	0.09	0.04	84	0.3	<0.02	8.8	1.25	<0.1	0.03
SL0473	Soil	3.3	18.7	0.47	80.8	0.165	<1	2.41	0.008	0.13	0.1	2.1	0.06	0.04	87	0.3	<0.02	11.9	0.93	<0.1	0.04
SL0474	Soil	4.4	15.8	0.49	90.9	0.099	2	2.84	0.014	0.14	0.2	3.0	0.06	0.02	59	0.3	<0.02	5.8	0.66	<0.1	0.03
SL0475	Soil	3.7	16.4	0.53	110.9	0.101	2	1.59	0.019	0.15	0.3	2.2	0.07	0.02	55	0.2	<0.02	6.1	0.76	<0.1	<0.02
SL0476	Soil	3.6	21.4	0.49	99.3	0.099	<1	1.73	0.016	0.17	0.1	2.3	0.07	<0.02	42	0.2	<0.02	5.8	0.92	<0.1	<0.02
SL0477	Soil	3.3	16.3	0.57	101.4	0.132	<1	1.76	0.015	0.17	1.6	2.2	0.06	0.03	65	0.3	0.02	7.4	0.77	<0.1	<0.02
SL0478	Soil	2.7	12.8	0.22	48.4	0.136	<1	1.63	0.005	0.03	0.7	1.6	0.03	0.03	79	0.2	0.03	10.9	0.66	<0.1	0.04
SL0479	Soil	3.9	19.9	0.52	76.3	0.134	1	2.15	0.009	0.14	<0.1	2.0	0.04	0.05	121	0.5	<0.02	11.4	0.80	<0.1	<0.02
SL0480	Soil	3.1	15.6	0.40	54.0	0.159	<1	1.37	0.009	0.08	<0.1	1.8	0.03	0.03	103	0.2	<0.02	10.1	0.80	<0.1	<0.02
SL0481	Soil	5.7	19.0	0.49	109.2	0.083	<1	3.55	0.016	0.16	<0.1	3.3	0.06	0.02	73	0.5	<0.02	5.9	0.79	<0.1	0.03
SL0482	Soil	4.9	18.7	0.59	116.1	0.108	2	2.96	0.014	0.17	<0.1	3.1	0.07	0.03	94	0.6	<0.02	7.3	0.86	<0.1	0.02
SL0483	Soil	3.8	17.9	0.55	87.7	0.088	1	1.38	0.015	0.15	5.7	1.7	0.05	0.03	19	0.2	<0.02	5.1	0.54	<0.1	<0.02
SL0484	Soil	6.5	17.4	0.44	74.0	0.129	1	3.14	0.008	0.11	0.5	3.1	0.05	0.04	80	0.9	<0.02	10.1	0.71	<0.1	0.04
SL0485	Soil	3.2	15.6	0.22	38.7	0.184	2	0.92	0.007	0.07	6.5	1.4	0.02	0.03	32	<0.1	<0.02	11.1	0.94	<0.1	<0.02
SL0486	Soil	2.8	11.0	0.30	57.5	0.076	2	0.74	0.012	0.10	0.2	1.2	0.06	0.06	47	<0.1	<0.02	5.1	0.59	<0.1	<0.02
SL0487	Soil	4.3	16.3	0.45	78.0	0.085	2	1.50	0.013	0.14	0.3	1.6	0.08	0.04	25	<0.1	0.04	4.7	0.52	<0.1	<0.02
SL0488	Soil	4.5	7.7	0.55	139.5	0.155	<1	3.50	0.006	0.15	0.1	2.8	0.09	0.03	118	0.7	0.05	10.9	1.47	<0.1	0.04
SL0489	Soil	5.9	7.2	0.59	262.4	0.127	<1	1.23	0.064	0.42	0.1	1.8	0.08	0.02	29	0.2	<0.02	4.4	0.82	<0.1	<0.02

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Project: ASHLU
Report Date: September 07, 2012

CERTIFICATE OF ANALYSIS VAN12003977.1

Method		1F15	1F15		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
SL0460	Soil	0.48	6.6	<0.1	<0.05	<0.1	2.18	6.6	<0.02	<1	<0.1	4.1	<10	<2
SL0461	Soil	0.42	9.2	<0.1	<0.05	0.2	2.34	6.8	<0.02	<1	<0.1	4.5	<10	<2
SL0462	Soil	0.26	4.3	<0.1	<0.05	<0.1	1.40	6.0	<0.02	<1	<0.1	1.6	<10	<2
SL0463	Soil	0.48	51.2	0.2	<0.05	0.1	1.46	6.5	<0.02	<1	0.2	14.4	<10	<2
SL0464	Soil	0.63	30.2	0.2	<0.05	<0.1	2.32	7.8	<0.02	<1	0.2	10.9	<10	<2
SL0465	Soil	0.72	49.5	0.2	<0.05	0.2	1.39	5.8	<0.02	<1	0.3	10.5	<10	<2
SL0466	Soil	0.70	40.2	0.2	<0.05	<0.1	2.19	8.0	<0.02	<1	0.1	7.4	<10	<2
SL0467	Soil	0.56	42.0	0.1	<0.05	<0.1	1.57	6.3	<0.02	<1	0.2	11.6	<10	<2
SL0468	Soil	0.55	44.5	0.2	<0.05	<0.1	2.13	7.5	<0.02	<1	0.2	16.2	<10	<2
SL0469	Soil	1.46	11.3	0.2	<0.05	0.5	2.92	9.5	<0.02	<1	0.1	5.9	<10	<2
SL0470	Soil	0.55	15.7	0.1	<0.05	0.2	6.21	16.2	<0.02	<1	<0.1	10.0	<10	<2
SL0471	Soil	1.31	7.8	0.3	<0.05	1.7	2.03	7.3	<0.02	<1	0.3	9.0	<10	<2
SL0472	Soil	1.12	11.0	0.3	<0.05	0.9	2.65	8.7	0.03	<1	0.3	9.5	<10	<2
SL0473	Soil	1.44	6.9	0.4	<0.05	1.7	2.20	6.8	<0.02	<1	<0.1	7.4	<10	<2
SL0474	Soil	0.79	7.3	0.2	<0.05	1.0	2.85	9.5	<0.02	<1	0.3	7.4	<10	<2
SL0475	Soil	0.70	8.4	0.2	<0.05	0.4	2.24	7.9	<0.02	<1	0.1	7.8	<10	<2
SL0476	Soil	0.53	8.9	0.2	<0.05	0.3	2.06	7.3	<0.02	<1	<0.1	8.0	<10	<2
SL0477	Soil	0.88	9.5	0.4	<0.05	0.6	2.01	7.0	<0.02	<1	0.1	7.7	<10	<2
SL0478	Soil	1.95	3.5	0.9	<0.05	1.7	1.29	6.0	<0.02	2	0.2	5.6	<10	<2
SL0479	Soil	1.21	6.7	0.5	<0.05	1.1	2.14	7.6	<0.02	<1	<0.1	5.7	<10	<2
SL0480	Soil	1.34	4.7	0.6	<0.05	0.6	1.78	6.0	<0.02	<1	0.1	4.9	<10	<2
SL0481	Soil	0.79	8.9	0.2	<0.05	1.5	4.55	14.0	<0.02	<1	0.4	13.3	<10	<2
SL0482	Soil	0.93	9.2	0.3	<0.05	0.9	3.18	9.5	<0.02	<1	0.4	9.0	<10	<2
SL0483	Soil	0.64	8.2	0.2	<0.05	0.3	2.31	7.9	<0.02	<1	0.3	25.0	<10	<2
SL0484	Soil	1.65	7.1	0.5	<0.05	2.1	3.81	13.1	<0.02	<1	0.2	8.4	<10	<2
SL0485	Soil	1.70	5.4	1.0	<0.05	0.9	2.31	7.4	<0.02	3	0.2	17.4	<10	<2
SL0486	Soil	0.82	9.3	0.3	<0.05	0.1	1.28	4.9	<0.02	<1	<0.1	2.8	<10	<2
SL0487	Soil	0.66	7.5	0.3	<0.05	0.3	2.44	8.6	<0.02	1	0.2	6.0	<10	<2
SL0488	Soil	1.05	16.7	0.3	<0.05	2.4	3.06	9.9	<0.02	<1	0.4	10.7	<10	<2
SL0489	Soil	0.32	13.8	0.2	<0.05	0.3	2.79	11.7	<0.02	<1	<0.1	7.3	<10	<2

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Report Date: September 07, 2012

CERTIFICATE OF ANALYSIS VAN12003977.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
SL0490	Soil	1.66	15.52	6.24	40.2	54	6.3	9.6	255	4.36	0.6	0.5	1.0	0.9	22.9	0.04	0.07	0.13	115	0.20	0.024
SL0491	Soil	0.45	23.19	6.75	19.7	104	1.4	9.1	648	1.66	1.2	0.2	7.6	0.3	77.0	0.10	0.07	0.03	36	3.18	0.101
SL0492	Soil	1.91	77.56	5.94	50.5	255	9.2	23.0	991	3.02	1.1	0.9	8.4	0.3	104.1	0.25	0.07	0.04	76	0.48	0.143
SL0493	Soil	0.44	28.77	2.82	34.8	46	7.1	9.8	263	2.78	1.3	0.5	7.3	1.3	29.6	0.05	0.06	0.02	66	0.29	0.074
SL0494	Soil	1.15	54.14	7.88	35.1	144	8.6	11.0	418	3.04	0.9	0.5	28.3	0.5	50.7	0.06	0.08	0.12	76	0.16	0.470
SL0495	Soil	0.13	21.08	2.15	24.6	74	5.9	7.4	232	1.59	0.5	0.5	54.8	1.7	32.5	0.02	0.03	<0.02	39	0.28	0.078
SL0496	Soil	0.93	24.56	3.84	28.4	49	5.0	8.0	249	2.62	1.5	0.8	4.6	0.8	25.5	0.08	0.04	<0.02	52	0.23	0.059
SL0497	Soil	1.64	21.05	4.72	39.3	109	4.5	7.1	195	3.73	1.1	0.5	1.5	1.6	36.1	0.05	0.07	0.07	79	0.19	0.069
SL0498	Soil	1.63	26.89	5.43	37.0	211	4.8	8.7	236	4.10	1.2	0.9	73.4	0.8	27.9	0.24	0.08	0.07	58	0.17	0.071
SL0499	Soil	0.91	46.38	5.90	75.5	455	9.7	26.7	1706	3.06	1.3	0.8	3.6	0.9	67.5	0.22	0.07	0.05	63	0.33	0.316
SL0500	Soil	1.04	61.81	5.11	69.5	252	6.4	18.2	942	3.82	1.0	0.6	2.5	0.6	184.6	0.14	0.05	0.06	65	0.38	0.169
SL0501	Soil	0.66	27.67	3.70	25.1	128	4.6	6.9	190	2.14	0.8	0.7	4.3	0.8	20.8	0.08	0.06	<0.02	50	0.16	0.096
SL0502	Soil	0.30	26.56	2.59	27.6	65	6.4	8.4	248	2.45	1.1	0.4	5.1	1.1	29.8	0.04	0.03	<0.02	61	0.25	0.072
SL0503	Soil	0.95	107.4	21.37	53.2	174	9.1	28.7	731	3.95	2.2	0.4	7.5	0.5	83.6	0.11	0.07	0.04	109	0.52	0.080
SL0504	Soil	53.36	228.9	9.81	33.4	236	25.8	61.5	1252	1.78	8.1	0.5	14.4	0.6	321.2	0.19	0.09	0.09	35	1.72	0.092
SL0505	Soil	0.51	81.59	4.01	40.8	77	12.7	17.4	409	2.39	2.2	0.7	5.2	1.4	49.7	0.10	0.06	<0.02	63	0.42	0.096
SL0506	Soil	0.81	48.52	5.36	26.5	120	7.1	6.8	270	2.45	1.4	0.6	2.3	0.9	22.8	0.09	0.06	0.04	58	0.22	0.072
SL0507	Soil	1.95	27.42	5.69	27.7	111	5.9	5.0	153	3.30	1.2	0.5	1.6	0.9	16.3	0.14	0.07	0.14	75	0.12	0.035
SL0508	Soil	0.76	45.72	4.33	16.2	122	5.2	4.4	109	2.82	1.0	0.5	3.7	0.5	14.0	0.17	0.08	0.15	67	0.11	0.038
SL0509	Soil	0.71	50.39	4.35	32.0	149	11.8	14.4	160	3.33	0.9	0.5	1.4	0.4	20.9	0.16	0.06	0.09	101	0.13	0.035
SL0510	Soil	1.45	27.23	4.46	26.5	110	6.2	5.2	123	3.11	1.2	0.6	2.0	0.8	18.7	0.06	0.06	0.10	71	0.13	0.069
SL0511	Soil	1.04	25.73	3.32	27.0	73	8.5	10.8	316	2.42	1.2	0.5	3.1	0.9	26.9	0.06	0.04	0.04	64	0.27	0.049
SL0512	Soil	0.80	64.40	8.22	29.5	112	13.8	15.1	294	2.75	1.0	0.5	5.3	0.8	59.6	0.06	0.08	0.06	74	0.33	0.065
SL0513	Soil	0.80	30.44	7.54	39.6	126	7.6	10.3	743	2.71	1.2	0.5	3.0	0.9	31.6	0.12	0.09	0.09	67	0.23	0.102
SL0514	Soil	0.59	24.30	7.12	35.2	31	7.7	8.1	258	2.53	1.3	0.4	1.2	1.1	42.9	0.04	0.07	0.04	65	0.37	0.048
SL0515	Soil	0.81	30.60	6.19	27.5	84	7.7	7.7	240	2.57	1.3	0.5	1.4	0.9	27.9	0.09	0.07	0.06	69	0.23	0.058
SL0516	Soil	1.81	26.26	5.90	34.5	135	7.5	5.8	173	3.56	1.4	1.2	1.0	0.5	14.1	0.12	0.08	0.08	64	0.10	0.059
SL0517	Soil	1.77	33.58	6.79	15.6	202	4.7	3.5	87	2.82	1.1	1.1	1.4	0.5	29.7	0.14	0.08	0.10	60	0.21	0.038
SL0518	Soil	0.71	11.65	1.71	28.0	30	44.2	10.7	213	1.82	0.6	0.3	1.3	0.7	13.1	0.02	<0.02	<0.02	56	0.14	0.012
SL0519	Soil	0.09	4.85	13.15	51.1	71	3.6	4.2	385	1.29	0.8	0.3	1.9	0.7	26.9	0.12	0.10	0.04	24	0.18	0.034

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Method		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
SL0490	Soil	2.6	8.7	0.62	79.7	0.268	1	1.70	0.009	0.12	<0.1	2.1	0.03	0.02	17	0.3	<0.02	14.8	1.90	<0.1	0.03
SL0491	Soil	1.9	1.9	0.28	63.6	0.034	1	4.65	<0.001	0.15	0.1	1.9	0.02	0.04	64	0.2	<0.02	11.1	1.87	<0.1	<0.02
SL0492	Soil	3.4	15.0	0.50	267.5	0.067	2	4.03	0.006	0.17	<0.1	2.5	0.08	0.07	103	0.8	<0.02	9.7	1.44	<0.1	<0.02
SL0493	Soil	4.4	12.5	0.58	95.6	0.103	1	3.09	0.013	0.16	0.1	2.6	0.07	0.03	46	0.7	0.05	7.2	0.91	<0.1	0.02
SL0494	Soil	3.7	18.1	0.64	172.6	0.068	<1	2.34	0.010	0.27	<0.1	1.9	0.10	0.07	88	0.7	0.08	7.0	2.02	<0.1	<0.02
SL0495	Soil	4.0	13.4	0.44	121.0	0.071	<1	1.24	0.021	0.13	<0.1	2.4	0.06	<0.02	8	<0.1	0.05	3.2	0.45	<0.1	0.04
SL0496	Soil	4.4	11.8	0.47	64.5	0.093	<1	2.65	0.008	0.07	0.2	2.0	0.03	0.04	69	0.6	<0.02	10.8	0.55	<0.1	0.04
SL0497	Soil	3.4	9.8	0.44	103.8	0.186	<1	2.76	0.005	0.08	0.1	2.5	0.05	0.03	83	0.6	0.03	13.4	1.59	<0.1	0.09
SL0498	Soil	4.1	7.3	0.40	94.6	0.142	1	2.43	0.006	0.09	<0.1	2.1	0.04	0.06	91	0.4	0.05	13.3	1.33	<0.1	<0.02
SL0499	Soil	6.0	22.7	0.67	311.4	0.086	2	4.14	0.004	0.25	0.1	2.9	0.14	0.06	154	0.8	0.02	7.1	1.57	<0.1	0.02
SL0500	Soil	5.3	9.1	0.81	474.4	0.100	<1	3.48	0.009	0.23	0.1	2.7	0.11	0.04	60	0.5	0.06	10.5	1.88	<0.1	<0.02
SL0501	Soil	4.1	10.0	0.33	76.3	0.080	<1	2.87	0.009	0.07	0.2	2.3	0.04	0.05	74	0.8	<0.02	5.5	0.52	<0.1	0.02
SL0502	Soil	3.5	12.5	0.46	78.2	0.077	<1	1.91	0.017	0.13	0.1	2.3	0.05	<0.02	18	0.4	0.04	4.4	0.61	<0.1	<0.02
SL0503	Soil	3.0	15.7	1.13	66.6	0.085	<1	2.62	0.025	0.08	0.6	4.0	<0.02	0.03	25	0.6	0.11	7.2	0.49	<0.1	<0.02
SL0504	Soil	1.3	37.3	1.02	82.6	0.033	2	4.08	0.033	0.15	0.3	2.8	0.06	0.06	121	0.5	0.15	7.4	1.21	<0.1	0.04
SL0505	Soil	4.2	22.3	0.68	100.3	0.087	<1	1.98	0.026	0.11	0.3	3.1	0.06	<0.02	37	0.2	<0.02	4.3	0.73	<0.1	0.02
SL0506	Soil	4.1	14.9	0.48	63.2	0.096	1	2.95	0.012	0.09	0.1	2.6	0.04	0.04	117	0.9	<0.02	7.2	0.81	<0.1	0.03
SL0507	Soil	3.4	10.9	0.35	42.2	0.161	<1	1.97	0.008	0.07	0.2	1.7	0.04	0.04	83	0.6	0.02	12.6	1.33	<0.1	0.05
SL0508	Soil	2.6	13.1	0.27	33.2	0.140	1	1.56	0.009	0.03	<0.1	1.4	0.03	0.04	93	0.5	0.05	8.9	0.70	<0.1	0.03
SL0509	Soil	2.8	16.7	0.58	89.6	0.098	1	1.87	0.016	0.14	<0.1	1.3	0.03	0.03	43	0.6	0.03	7.9	1.35	<0.1	<0.02
SL0510	Soil	3.2	15.1	0.33	50.4	0.130	<1	3.40	0.007	0.07	0.1	2.4	0.05	0.05	157	0.9	0.03	10.3	1.07	<0.1	0.05
SL0511	Soil	3.5	15.5	0.58	85.8	0.098	<1	2.00	0.021	0.17	0.1	2.5	0.08	0.02	34	0.4	0.03	5.4	0.87	<0.1	<0.02
SL0512	Soil	4.6	37.4	0.52	146.3	0.134	1	1.24	0.020	0.15	0.2	1.6	0.06	0.04	50	0.2	0.03	6.5	1.00	<0.1	<0.02
SL0513	Soil	3.8	16.9	0.54	105.4	0.125	<1	2.19	0.013	0.13	0.1	2.2	0.08	0.03	89	0.3	0.04	8.6	1.21	<0.1	<0.02
SL0514	Soil	3.5	19.4	0.56	110.4	0.120	<1	1.52	0.020	0.08	0.1	2.1	0.05	<0.02	23	0.1	0.03	6.3	0.68	<0.1	<0.02
SL0515	Soil	3.7	15.7	0.46	87.7	0.114	1	2.33	0.015	0.16	0.1	2.2	0.07	0.04	67	0.6	0.02	7.7	1.00	<0.1	0.03
SL0516	Soil	4.4	17.4	0.47	48.4	0.130	2	3.25	0.007	0.08	0.2	2.6	0.06	0.08	164	1.3	0.02	16.0	1.09	<0.1	0.06
SL0517	Soil	4.4	14.8	0.21	55.5	0.183	<1	1.95	0.008	0.04	0.4	1.9	0.04	0.06	93	0.5	<0.02	10.9	1.20	<0.1	0.03
SL0518	Soil	1.6	48.6	1.06	100.5	0.185	<1	1.71	0.014	0.29	<0.1	1.0	0.08	<0.02	8	0.2	<0.02	5.5	0.75	<0.1	<0.02
SL0519	Soil	2.0	3.0	0.49	60.5	0.071	<1	0.82	0.011	0.17	<0.1	1.3	0.10	0.02	69	0.2	<0.02	4.3	0.89	<0.1	<0.02

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Project: ASHLU
Report Date: September 07, 2012

CERTIFICATE OF ANALYSIS VAN12003977.1

Method		1F15	1F15		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
SL0490	Soil	1.48	9.3	1.1	<0.05	1.8	1.87	5.5	<0.02	<1	0.2	9.1	<10	<2
SL0491	Soil	0.20	4.5	0.3	<0.05	0.3	2.42	3.6	<0.02	<1	0.4	3.1	<10	<2
SL0492	Soil	0.78	14.0	0.3	<0.05	1.0	1.69	6.0	<0.02	<1	0.3	6.9	<10	<2
SL0493	Soil	0.91	7.2	0.3	<0.05	1.1	3.28	8.9	<0.02	<1	0.4	8.9	<10	<2
SL0494	Soil	0.61	27.5	0.3	<0.05	0.3	1.41	5.8	<0.02	<1	0.1	8.6	<10	<2
SL0495	Soil	0.25	9.0	0.3	<0.05	0.7	3.11	8.3	<0.02	<1	<0.1	5.5	<10	<2
SL0496	Soil	0.86	3.6	0.4	<0.05	1.4	3.13	8.3	<0.02	<1	0.1	5.9	<10	<2
SL0497	Soil	1.64	8.0	0.5	<0.05	3.5	1.91	6.6	<0.02	<1	0.3	7.7	<10	<2
SL0498	Soil	1.52	5.3	0.5	<0.05	1.4	3.65	8.4	<0.02	<1	0.3	7.6	<10	<2
SL0499	Soil	0.67	24.6	0.3	<0.05	0.9	3.40	14.1	<0.02	<1	0.3	9.1	<10	<2
SL0500	Soil	0.86	25.0	0.4	<0.05	0.3	3.56	10.5	<0.02	<1	0.4	9.9	<10	<2
SL0501	Soil	0.70	5.2	0.3	<0.05	1.0	2.67	9.0	<0.02	<1	0.2	4.9	<10	<2
SL0502	Soil	0.60	6.8	0.4	<0.05	0.6	2.39	7.0	<0.02	<1	0.1	6.4	<10	<2
SL0503	Soil	0.43	3.9	0.3	<0.05	0.4	2.83	6.2	<0.02	<1	0.1	7.2	<10	<2
SL0504	Soil	0.36	4.8	0.4	<0.05	0.8	1.23	3.9	<0.02	4	0.1	5.8	18	<2
SL0505	Soil	0.37	7.8	0.2	<0.05	0.7	3.00	8.5	<0.02	<1	0.2	7.8	<10	<2
SL0506	Soil	0.90	5.1	0.4	<0.05	1.5	2.51	7.8	<0.02	<1	<0.1	7.6	<10	<2
SL0507	Soil	1.74	7.1	0.6	<0.05	2.1	1.95	5.8	<0.02	<1	0.1	7.0	<10	<2
SL0508	Soil	1.29	2.7	0.5	<0.05	1.0	1.53	4.6	0.04	<1	0.2	4.0	<10	<2
SL0509	Soil	0.68	6.0	0.3	<0.05	0.6	1.51	5.3	<0.02	<1	0.1	5.7	<10	<2
SL0510	Soil	1.31	5.0	0.4	<0.05	2.6	1.96	6.4	<0.02	<1	0.3	7.0	<10	<2
SL0511	Soil	0.63	7.1	0.4	<0.05	0.5	2.64	6.6	<0.02	<1	0.2	8.2	<10	<2
SL0512	Soil	0.86	7.6	0.4	<0.05	0.6	1.77	8.4	<0.02	<1	<0.1	7.1	<10	<2
SL0513	Soil	0.93	9.5	0.5	<0.05	1.0	2.43	7.7	<0.02	<1	<0.1	7.6	<10	<2
SL0514	Soil	0.70	4.7	0.5	<0.05	0.8	2.07	6.8	<0.02	<1	<0.1	8.4	<10	<2
SL0515	Soil	1.07	7.4	0.4	<0.05	1.4	2.45	7.2	<0.02	<1	0.2	6.7	<10	<2
SL0516	Soil	1.54	6.9	0.5	<0.05	3.0	2.81	7.8	0.03	<1	<0.1	7.0	<10	<2
SL0517	Soil	1.41	4.0	0.8	<0.05	1.5	2.29	7.2	<0.02	<1	<0.1	3.8	<10	<2
SL0518	Soil	0.42	8.2	0.1	<0.05	0.6	1.03	2.8	<0.02	<1	0.2	10.2	<10	<2
SL0519	Soil	0.40	12.7	0.4	<0.05	0.1	0.68	3.8	<0.02	<1	<0.1	4.9	<10	<2

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CERTIFICATE OF ANALYSIS VAN12003977.1

Method		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
SL0520	Soil	0.21	1.43	4.69	9.9	61	1.1	0.9	46	0.85	0.2	0.2	0.8	0.7	11.2	0.01	0.05	0.02	25	0.07	0.006
SL0521	Soil	0.85	6.63	4.95	16.2	83	2.0	1.6	62	1.41	0.8	0.5	0.9	0.9	52.1	0.06	0.07	0.04	31	0.07	0.036
SL0522	Soil	0.27	3.68	4.18	27.4	62	2.5	2.5	108	1.46	0.6	0.3	16.3	1.1	47.7	0.02	0.05	0.04	37	0.09	0.027
SL0523	Soil	0.52	3.81	6.64	17.4	50	3.1	2.4	93	1.46	0.9	0.2	1.8	0.7	24.7	0.02	0.13	0.06	43	0.10	0.018
SL0524	Soil	1.72	6.64	6.52	25.6	31	4.5	3.5	241	2.30	1.7	0.3	3.3	0.8	26.4	0.04	0.12	0.08	64	0.19	0.050
SL0525	Soil	0.25	7.03	4.29	22.0	16	3.1	2.5	136	1.33	0.8	0.5	0.2	1.4	109.3	0.01	0.11	0.03	31	0.14	0.009
SL0526	Soil	0.69	5.95	7.18	34.4	35	6.0	4.8	196	1.57	0.9	0.5	2.3	2.0	25.2	0.03	0.09	0.08	43	0.13	0.017
SL0527	Soil	0.34	7.35	1.08	16.6	12	3.9	4.1	151	1.96	1.9	0.8	13.5	1.7	24.0	0.01	0.03	<0.02	58	0.25	0.041
SL0528	Soil	0.64	2.01	1.77	8.9	26	1.2	1.8	73	1.03	0.2	0.2	0.4	0.5	8.2	0.04	0.03	<0.02	26	0.07	0.009
SL0529	Soil	1.19	7.13	2.98	18.6	16	3.6	4.7	177	1.22	1.6	2.2	0.4	2.0	23.2	0.01	0.05	<0.02	31	0.22	0.027
SL0530	Soil	2.95	20.94	3.95	40.4	36	8.1	7.5	171	3.06	2.0	1.9	1.7	2.1	23.9	0.04	0.08	0.03	79	0.13	0.027
SL0531	Soil	0.66	8.54	4.38	18.3	59	2.6	2.6	91	1.79	0.8	0.7	2.9	1.4	14.1	0.04	0.05	0.03	50	0.09	0.031
SL0532	Soil	0.08	10.47	1.50	18.8	13	5.4	4.7	206	1.41	0.6	0.7	1.0	1.6	47.3	0.02	0.04	<0.02	37	0.28	0.048
SL0533	Soil	2.86	10.48	2.16	29.5	46	5.9	6.8	222	2.39	1.5	3.6	1.6	1.7	26.0	0.01	0.06	<0.02	60	0.28	0.042
SL0534	Soil	1.89	11.74	5.79	26.0	68	6.1	4.3	200	2.00	2.0	1.6	9.3	1.3	28.8	0.08	0.08	0.05	47	0.14	0.027
SL0535	Soil	0.75	7.01	7.01	21.1	26	3.4	2.7	126	1.93	1.1	0.3	1.7	1.2	15.7	0.02	0.11	0.21	52	0.08	0.021
SL0536	Soil	1.27	12.71	5.44	28.7	70	5.3	4.2	183	2.27	1.2	1.2	2.9	2.0	22.4	0.03	0.10	0.09	53	0.11	0.029
SL0537	Soil	0.61	9.49	4.51	17.2	49	3.2	3.3	127	2.05	1.2	0.6	4.3	2.1	11.1	0.07	0.07	0.06	51	0.09	0.048
SL0538	Soil	0.32	5.42	8.78	31.3	101	3.1	4.5	368	1.29	1.1	0.6	1.2	0.2	98.0	0.07	0.10	0.06	25	0.16	0.045
SL0539	Soil	0.37	5.89	8.36	14.0	46	2.2	2.1	158	2.02	1.5	0.7	<0.2	3.2	7.6	0.02	0.11	0.05	41	0.07	0.062
SL0540	Soil	0.20	7.38	5.29	34.9	41	2.8	4.2	219	1.50	1.2	0.9	0.8	1.8	159.1	0.06	0.07	<0.02	30	0.49	0.087
SL0541	Soil	0.50	30.45	14.94	27.7	278	8.5	9.0	1040	1.79	1.0	0.3	2.3	0.4	324.3	0.06	0.20	0.09	62	0.48	0.043

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CERTIFICATE OF ANALYSIS VAN12003977.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
SL0520	Soil	2.0	2.2	0.06	16.4	0.067	<1	0.40	0.005	0.02	<0.1	0.6	0.03	<0.02	19	0.2	<0.02	4.3	0.48	<0.1	<0.02
SL0521	Soil	2.6	5.7	0.08	52.5	0.062	<1	1.46	0.004	0.03	<0.1	1.2	0.04	0.03	80	0.4	0.02	5.2	0.61	<0.1	<0.02
SL0522	Soil	2.0	6.7	0.22	40.6	0.108	<1	0.86	0.007	0.04	<0.1	1.1	0.07	<0.02	29	0.3	<0.02	6.5	0.75	<0.1	0.02
SL0523	Soil	2.0	8.0	0.17	28.6	0.106	<1	0.65	0.006	0.02	<0.1	0.7	0.05	<0.02	26	<0.1	0.03	6.7	0.50	<0.1	<0.02
SL0524	Soil	2.2	13.3	0.29	34.7	0.144	<1	1.19	0.009	0.04	0.2	1.0	0.04	<0.02	44	0.1	0.05	11.0	1.04	<0.1	<0.02
SL0525	Soil	2.2	10.3	0.20	64.2	0.108	<1	0.60	0.009	0.08	<0.1	1.0	0.08	<0.02	30	0.1	<0.02	4.3	1.08	<0.1	<0.02
SL0526	Soil	2.6	12.7	0.52	52.4	0.197	<1	1.07	0.009	0.13	0.1	1.5	0.07	<0.02	26	<0.1	0.04	10.1	1.22	<0.1	0.03
SL0527	Soil	4.9	12.0	0.27	53.7	0.055	<1	0.57	0.023	0.07	0.2	0.9	0.03	<0.02	<5	0.1	<0.02	2.3	0.31	<0.1	<0.02
SL0528	Soil	1.9	2.9	0.06	15.9	0.060	<1	0.25	0.007	0.02	<0.1	0.6	<0.02	<0.02	12	<0.1	<0.02	3.1	0.53	<0.1	<0.02
SL0529	Soil	3.9	8.8	0.31	52.1	0.077	<1	1.30	0.024	0.08	<0.1	1.7	0.04	<0.02	19	0.1	<0.02	3.3	0.40	<0.1	<0.02
SL0530	Soil	3.6	18.7	0.36	57.7	0.157	<1	3.47	0.007	0.06	0.4	3.1	0.05	<0.02	77	0.5	0.03	7.5	1.20	<0.1	0.09
SL0531	Soil	2.9	7.2	0.14	29.5	0.122	<1	1.64	0.007	0.02	<0.1	2.0	0.03	<0.02	86	0.3	<0.02	6.8	0.80	<0.1	0.06
SL0532	Soil	4.4	11.7	0.32	88.2	0.057	<1	1.09	0.028	0.13	<0.1	1.9	0.06	<0.02	<5	<0.1	<0.02	2.5	0.36	<0.1	0.02
SL0533	Soil	5.0	11.8	0.49	98.6	0.104	<1	1.88	0.023	0.13	0.1	2.7	0.05	<0.02	20	0.3	<0.02	4.1	0.56	<0.1	<0.02
SL0534	Soil	4.2	15.4	0.37	62.6	0.110	<1	1.73	0.011	0.08	0.3	1.5	0.05	0.03	54	0.3	0.03	6.4	0.64	<0.1	<0.02
SL0535	Soil	2.7	6.3	0.21	32.2	0.191	<1	0.74	0.006	0.07	<0.1	1.0	0.05	<0.02	14	0.2	<0.02	9.5	0.87	<0.1	0.03
SL0536	Soil	3.4	14.7	0.32	49.6	0.140	<1	2.26	0.008	0.05	0.2	2.5	0.05	<0.02	115	0.3	0.07	8.7	0.94	<0.1	0.09
SL0537	Soil	3.9	10.2	0.18	28.5	0.100	<1	2.47	0.004	0.04	<0.1	2.3	0.03	<0.02	131	0.8	0.03	8.9	0.51	<0.1	0.04
SL0538	Soil	2.7	4.5	0.30	82.6	0.044	<1	1.10	0.011	0.13	<0.1	0.8	0.10	0.03	74	0.3	0.03	5.5	1.28	<0.1	<0.02
SL0539	Soil	3.0	6.5	0.12	20.2	0.099	<1	3.67	0.002	0.03	<0.1	1.9	0.02	0.02	83	0.5	0.03	8.8	0.67	<0.1	0.09
SL0540	Soil	4.3	3.4	0.41	224.5	0.087	<1	1.93	0.027	0.29	<0.1	1.5	0.11	<0.02	24	0.2	0.04	5.8	1.00	<0.1	0.02
SL0541	Soil	1.8	10.8	0.59	156.6	0.038	<1	2.04	0.011	0.08	<0.1	4.3	0.10	<0.02	81	0.4	0.03	7.3	0.72	<0.1	<0.02

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Method		1F15	1F15		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
SL0520	Soil	0.37	2.5	0.4	<0.05	0.5	0.77	4.0	<0.02	<1	<0.1	1.3	<10	<2
SL0521	Soil	0.81	3.4	0.5	<0.05	0.7	1.04	4.5	<0.02	<1	0.1	2.7	<10	<2
SL0522	Soil	0.86	5.7	0.4	<0.05	0.7	0.90	4.0	<0.02	<1	<0.1	4.6	<10	<2
SL0523	Soil	0.66	3.5	0.5	<0.05	0.4	0.78	4.0	<0.02	<1	<0.1	3.2	<10	<2
SL0524	Soil	0.90	5.7	0.5	<0.05	0.4	0.86	4.6	<0.02	<1	<0.1	7.0	<10	<2
SL0525	Soil	0.80	11.1	0.6	<0.05	0.4	1.16	4.5	<0.02	<1	<0.1	3.0	<10	<2
SL0526	Soil	0.72	8.9	0.7	<0.05	0.7	1.36	5.5	<0.02	<1	<0.1	5.7	<10	<2
SL0527	Soil	0.25	5.6	0.1	<0.05	0.3	2.62	9.1	<0.02	<1	<0.1	5.8	<10	<2
SL0528	Soil	0.50	3.4	0.4	<0.05	0.2	1.05	3.6	<0.02	<1	<0.1	1.4	<10	<2
SL0529	Soil	0.57	4.1	0.2	<0.05	0.5	2.37	7.7	<0.02	<1	0.1	10.2	<10	<2
SL0530	Soil	1.23	8.2	0.4	<0.05	4.5	2.54	11.1	<0.02	<1	0.3	14.3	<10	<2
SL0531	Soil	0.72	4.1	0.5	<0.05	2.2	1.72	5.9	<0.02	<1	0.2	5.5	<10	<2
SL0532	Soil	0.24	6.7	0.2	<0.05	0.5	3.20	8.9	<0.02	<1	0.1	4.2	<10	<2
SL0533	Soil	0.54	6.7	0.3	<0.05	0.8	3.26	10.6	<0.02	<1	0.1	17.1	<10	<2
SL0534	Soil	0.99	6.4	0.4	<0.05	0.6	2.14	8.4	<0.02	<1	0.1	7.7	<10	<2
SL0535	Soil	1.01	5.7	1.1	<0.05	1.2	1.23	5.6	<0.02	<1	<0.1	3.6	<10	<2
SL0536	Soil	1.09	7.0	0.6	<0.05	3.0	1.92	7.7	0.02	<1	0.2	7.2	<10	<2
SL0537	Soil	1.27	3.6	0.6	<0.05	2.9	1.77	7.4	<0.02	<1	0.1	3.5	<10	<2
SL0538	Soil	0.34	12.1	0.5	<0.05	0.1	1.01	6.0	<0.02	<1	<0.1	5.0	<10	<2
SL0539	Soil	1.33	3.0	0.6	<0.05	3.8	1.73	6.4	<0.02	<1	0.2	6.1	<10	<2
SL0540	Soil	0.41	12.6	0.3	<0.05	1.3	1.59	8.6	<0.02	<1	<0.1	12.3	<10	<2
SL0541	Soil	0.25	6.5	0.5	<0.05	0.4	1.08	4.0	<0.02	<1	<0.1	5.3	<10	<2

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Project: ASHLU
Report Date: September 07, 2012

QUALITY CONTROL REPORT VAN12003977.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
Pulp Duplicates																					
SL0403	Soil	1.42	15.20	1.91	20.1	48	5.6	5.2	175	2.09	1.2	2.1	1.4	2.9	12.3	0.02	0.04	0.04	62	0.16	0.031
REP SL0403	QC	1.49	15.16	1.90	20.4	46	5.4	5.3	178	2.06	0.9	2.0	1.2	2.8	12.8	0.01	0.05	<0.02	60	0.16	0.032
SL0424	Soil	0.12	16.68	1.18	18.1	11	4.7	6.4	171	1.86	0.9	0.6	<0.2	2.4	19.5	0.02	<0.02	<0.02	57	0.30	0.060
REP SL0424	QC	0.10	16.23	1.14	17.7	12	4.5	6.5	163	1.85	0.8	0.7	7.3	2.8	19.5	0.01	<0.02	<0.02	58	0.29	0.057
SL0439	Soil	0.14	12.14	2.73	17.1	33	2.9	4.6	133	1.63	0.7	0.3	1.5	0.6	13.0	0.02	0.04	0.03	32	0.12	0.058
REP SL0439	QC	0.15	11.45	2.65	16.0	30	2.8	5.0	129	1.67	0.7	0.3	1.5	0.7	12.9	0.02	0.04	0.03	34	0.12	0.056
SL0460	Soil	0.10	9.14	1.79	34.4	22	5.3	6.7	274	2.31	0.5	0.2	2.5	0.7	24.9	0.02	<0.02	<0.02	57	0.31	0.051
REP SL0460	QC	0.11	9.13	1.82	32.5	20	5.2	6.7	279	2.40	0.5	0.2	2.8	0.7	24.4	0.01	<0.02	<0.02	58	0.30	0.048
SL0486	Soil	1.01	10.36	2.31	19.7	75	9.2	3.9	152	1.67	1.1	0.6	3.2	0.2	27.5	0.02	0.05	0.10	41	0.14	0.053
REP SL0486	QC	0.97	11.18	2.74	22.2	85	8.9	3.7	148	1.61	0.9	0.7	2.2	0.3	25.8	0.02	0.05	0.04	39	0.12	0.055
SL0488	Soil	0.93	37.17	4.11	49.0	216	5.8	9.7	271	3.74	1.3	0.7	3.6	1.0	28.5	0.10	0.06	0.05	82	0.16	0.155
REP SL0488	QC	0.99	37.99	4.19	56.8	245	6.0	10.6	292	3.67	1.4	0.7	3.1	1.2	29.7	0.14	0.07	0.04	82	0.17	0.166
SL0490	Soil	1.66	15.52	6.24	40.2	54	6.3	9.6	255	4.36	0.6	0.5	1.0	0.9	22.9	0.04	0.07	0.13	115	0.20	0.024
REP SL0490	QC	1.80	16.44	7.21	45.2	62	6.8	9.6	265	4.38	0.6	0.5	1.6	0.9	23.8	0.03	0.07	0.15	114	0.21	0.028
SL0522	Soil	0.27	3.68	4.18	27.4	62	2.5	2.5	108	1.46	0.6	0.3	16.3	1.1	47.7	0.02	0.05	0.04	37	0.09	0.027
REP SL0522	QC	0.24	3.41	4.10	27.0	60	2.5	2.4	109	1.49	0.7	0.3	0.5	1.1	45.6	0.02	0.06	0.04	38	0.09	0.028
SL0526	Soil	0.69	5.95	7.18	34.4	35	6.0	4.8	196	1.57	0.9	0.5	2.3	2.0	25.2	0.03	0.09	0.08	43	0.13	0.017
REP SL0526	QC	0.71	5.49	7.35	32.8	34	6.2	5.0	196	1.61	0.9	0.5	2.0	1.9	27.3	0.02	0.08	0.08	44	0.14	0.017
Reference Materials																					
STD DS9	Standard	13.86	111.1	131.4	313.8	1935	42.5	7.9	603	2.33	25.4	2.9	127.7	6.5	68.4	2.33	5.69	6.13	38	0.74	0.080
STD DS9	Standard	14.05	110.6	124.3	311.2	1817	42.3	7.6	581	2.19	24.2	2.8	110.8	6.3	66.0	2.30	5.60	6.24	39	0.72	0.077
STD DS9	Standard	13.92	116.1	127.9	314.7	1990	41.7	7.7	611	2.36	26.0	3.1	115.2	7.1	75.4	2.67	6.72	7.30	40	0.74	0.077
STD DS9	Standard	13.37	112.5	116.1	305.4	1811	39.8	7.0	565	2.35	24.8	2.7	127.4	6.5	74.1	2.32	5.85	6.92	40	0.73	0.079
STD DS9	Standard	14.01	107.4	123.5	296.8	1828	40.5	7.7	582	2.34	25.5	2.8	120.9	6.1	77.7	2.28	5.98	6.48	43	0.76	0.080
STD DS9 Expected		12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank	<0.01	0.03	<0.01	<0.1	2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	3	<0.1	0.1	2	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.01	0.2	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001

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Project: ASHLU
Report Date: September 07, 2012

QUALITY CONTROL REPORT VAN12003977.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
Pulp Duplicates																					
SL0403	Soil	5.2	15.2	0.36	70.9	0.098	<1	1.72	0.023	0.13	0.1	2.7	0.07	<0.02	35	0.3	<0.02	4.4	0.74	<0.1	0.05
REP SL0403	QC	5.0	14.8	0.35	68.0	0.099	<1	1.75	0.023	0.14	<0.1	2.6	0.07	<0.02	36	0.3	0.03	4.3	0.74	0.1	0.04
SL0424	Soil	5.2	12.3	0.34	90.8	0.078	<1	1.04	0.038	0.15	0.2	1.9	0.06	<0.02	7	0.1	<0.02	3.0	0.44	<0.1	0.03
REP SL0424	QC	5.2	12.2	0.33	87.7	0.074	<1	1.04	0.037	0.15	0.2	1.8	0.06	<0.02	7	<0.1	<0.02	2.8	0.43	<0.1	0.03
SL0439	Soil	2.8	7.1	0.20	27.5	0.042	1	1.72	0.005	0.03	<0.1	1.2	0.03	<0.02	65	0.3	<0.02	3.9	0.32	<0.1	<0.02
REP SL0439	QC	2.8	6.6	0.20	27.6	0.041	<1	1.72	0.005	0.03	<0.1	1.2	0.03	<0.02	71	0.3	<0.02	3.8	0.31	<0.1	<0.02
SL0460	Soil	3.1	12.0	0.55	90.3	0.087	<1	0.89	0.033	0.08	<0.1	1.6	0.05	<0.02	24	<0.1	<0.02	3.8	0.26	<0.1	<0.02
REP SL0460	QC	3.3	12.4	0.55	90.7	0.087	<1	0.86	0.033	0.08	<0.1	1.5	0.05	<0.02	18	<0.1	<0.02	3.8	0.26	<0.1	<0.02
SL0486	Soil	2.8	11.0	0.30	57.5	0.076	2	0.74	0.012	0.10	0.2	1.2	0.06	0.06	47	<0.1	<0.02	5.1	0.59	<0.1	<0.02
REP SL0486	QC	3.0	11.0	0.31	61.9	0.072	1	0.74	0.012	0.11	0.1	1.4	0.05	0.07	44	0.2	<0.02	4.9	0.62	<0.1	<0.02
SL0488	Soil	4.5	7.7	0.55	139.5	0.155	<1	3.50	0.006	0.15	0.1	2.8	0.09	0.03	118	0.7	0.05	10.9	1.47	<0.1	0.04
REP SL0488	QC	4.7	8.2	0.56	149.6	0.157	2	3.50	0.006	0.15	0.1	3.1	0.09	0.03	93	0.8	0.06	10.9	1.52	<0.1	0.06
SL0490	Soil	2.6	8.7	0.62	79.7	0.268	1	1.70	0.009	0.12	<0.1	2.1	0.03	0.02	17	0.3	<0.02	14.8	1.90	<0.1	0.03
REP SL0490	QC	2.7	8.7	0.64	87.5	0.266	2	1.80	0.010	0.12	<0.1	2.0	0.04	0.02	24	<0.1	0.02	15.8	2.09	<0.1	0.04
SL0522	Soil	2.0	6.7	0.22	40.6	0.108	<1	0.86	0.007	0.04	<0.1	1.1	0.07	<0.02	29	0.3	<0.02	6.5	0.75	<0.1	0.02
REP SL0522	QC	2.0	6.6	0.21	41.1	0.107	<1	0.85	0.007	0.04	<0.1	1.0	0.07	<0.02	35	0.2	<0.02	6.6	0.75	<0.1	0.02
SL0526	Soil	2.6	12.7	0.52	52.4	0.197	<1	1.07	0.009	0.13	0.1	1.5	0.07	<0.02	26	<0.1	0.04	10.1	1.22	<0.1	0.03
REP SL0526	QC	2.7	12.3	0.53	56.2	0.199	<1	1.11	0.009	0.13	<0.1	1.5	0.06	<0.02	25	<0.1	0.02	9.7	1.28	<0.1	0.03
Reference Materials																					
STD DS9	Standard	14.5	118.9	0.62	306.0	0.115	3	1.00	0.100	0.42	3.1	2.4	5.95	0.15	253	5.5	5.46	4.8	2.63	0.2	0.10
STD DS9	Standard	13.9	115.7	0.61	281.6	0.109	3	0.94	0.083	0.39	3.1	2.4	5.47	0.16	221	5.3	4.91	4.5	2.43	<0.1	0.07
STD DS9	Standard	15.7	113.2	0.63	312.7	0.123	2	0.98	0.091	0.41	3.1	2.5	5.65	0.16	204	5.4	5.37	4.6	2.46	<0.1	0.06
STD DS9	Standard	14.8	112.9	0.62	316.2	0.110	3	0.97	0.086	0.40	2.9	2.5	5.26	0.16	196	5.4	4.67	4.7	2.41	<0.1	0.07
STD DS9	Standard	15.3	117.4	0.62	301.8	0.123	3	1.00	0.090	0.41	3.0	2.5	5.32	0.16	168	5.0	5.30	4.6	2.44	0.1	0.08
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59	2.37	0.1	0.08
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	0.6	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02

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	Method	1F15	1F15		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
Pulp Duplicates														
SL0403	Soil	0.71	8.0	<0.1	<0.05	1.2	3.60	16.4	<0.02	<1	0.1	5.6	<10	<2
REP SL0403	QC	0.75	8.5	0.1	<0.05	1.4	3.71	15.6	<0.02	<1	0.2	5.3	<10	<2
SL0424	Soil	0.31	7.7	<0.1	<0.05	0.6	3.86	11.3	<0.02	<1	<0.1	5.1	<10	<2
REP SL0424	QC	0.32	7.9	<0.1	<0.05	0.7	3.85	11.0	<0.02	<1	<0.1	4.9	<10	<2
SL0439	Soil	0.53	2.7	<0.1	<0.05	0.6	1.64	5.6	<0.02	<1	0.1	2.9	<10	<2
REP SL0439	QC	0.53	2.7	<0.1	<0.05	0.7	1.63	5.8	<0.02	<1	0.2	2.8	<10	<2
SL0460	Soil	0.48	6.6	<0.1	<0.05	<0.1	2.18	6.6	<0.02	<1	<0.1	4.1	<10	<2
REP SL0460	QC	0.50	6.6	<0.1	<0.05	<0.1	2.21	6.7	<0.02	<1	<0.1	4.1	<10	<2
SL0486	Soil	0.82	9.3	0.3	<0.05	0.1	1.28	4.9	<0.02	<1	<0.1	2.8	<10	<2
REP SL0486	QC	0.86	9.5	0.3	<0.05	0.2	1.11	5.4	<0.02	<1	<0.1	2.8	<10	<2
SL0488	Soil	1.05	16.7	0.3	<0.05	2.4	3.06	9.9	<0.02	<1	0.4	10.7	<10	<2
REP SL0488	QC	1.13	17.6	0.3	<0.05	2.8	3.14	10.1	<0.02	2	0.3	9.9	<10	<2
SL0490	Soil	1.48	9.3	1.1	<0.05	1.8	1.87	5.5	<0.02	<1	0.2	9.1	<10	<2
REP SL0490	QC	1.69	9.8	1.2	<0.05	2.0	1.98	5.5	<0.02	<1	0.1	9.4	<10	<2
SL0522	Soil	0.86	5.7	0.4	<0.05	0.7	0.90	4.0	<0.02	<1	<0.1	4.6	<10	<2
REP SL0522	QC	0.78	5.4	0.5	<0.05	0.7	0.88	4.0	<0.02	<1	<0.1	4.3	<10	<2
SL0526	Soil	0.72	8.9	0.7	<0.05	0.7	1.36	5.5	<0.02	<1	<0.1	5.7	<10	<2
REP SL0526	QC	0.83	8.9	0.6	<0.05	0.8	1.48	5.7	<0.02	<1	<0.1	5.6	<10	<2
Reference Materials														
STD DS9	Standard	1.73	38.0	6.5	<0.05	2.0	6.24	27.4	2.37	70	5.3	25.4	118	378
STD DS9	Standard	1.67	34.4	6.0	<0.05	1.9	5.86	26.4	2.16	58	5.3	24.4	113	354
STD DS9	Standard	1.60	34.8	7.4	<0.05	1.9	6.12	27.9	2.57	59	6.2	29.4	106	365
STD DS9	Standard	1.49	33.3	6.4	<0.05	1.8	5.90	27.5	2.07	55	5.4	24.7	108	364
STD DS9	Standard	1.48	33.8	6.5	<0.05	1.7	6.56	28.6	2.20	65	5.3	25.3	124	365
STD DS9 Expected		1.33	33.8	6.4	0.004	2	5.97	25.4	2.2	61	5.4	25.2	120	350
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2

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303 - 1225 Cardero Street
Vancouver BC V6G 2H8 Canada

Project: ASHLU
Report Date: September 07, 2012

QUALITY CONTROL REPORT VAN12003977.1

		1F15 Mo ppm 0.01	1F15 Cu ppm 0.01	1F15 Pb ppm 0.01	1F15 Zn ppm 0.1	1F15 Ag ppb 2	1F15 Ni ppm 0.1	1F15 Co ppm 0.1	1F15 Mn ppm 1	1F15 Fe % 0.01	1F15 As ppm 0.1	1F15 U ppm 0.1	1F15 Au ppb 0.2	1F15 Th ppm 0.1	1F15 Sr ppm 0.5	1F15 Cd ppm 0.01	1F15 Sb ppm 0.02	1F15 Bi ppm 0.02	1F15 V ppm 2	1F15 Ca % 0.01	1F15 P % 0.001
BLK	Blank	<0.01	0.03	<0.01	<0.1	4	0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001

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QUALITY CONTROL REPORT VAN12003977.1

		1F15 La ppm 0.5	1F15 Cr ppm 0.5	1F15 Mg % 0.01	1F15 Ba ppm 0.5	1F15 Ti % 0.001	1F15 B ppm 1	1F15 Al % 0.01	1F15 Na % 0.001	1F15 K % 0.01	1F15 W ppm 0.1	1F15 Sc ppm 0.1	1F15 Tl ppm 0.02	1F15 S % 0.02	1F15 Hg ppb 5	1F15 Se ppm 0.1	1F15 Te ppm 0.02	1F15 Ga ppm 0.1	1F15 Cs ppm 0.02	1F15 Ge ppm 0.1	1F15 Hf ppm 0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02

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QUALITY CONTROL REPORT VAN12003977.1

		1F15 Nb ppm 0.02	1F15 Rb ppm 0.1	Sn ppm 0.1	1F15 Ta ppm 0.05	1F15 Zr ppm 0.1	1F15 Y ppm 0.01	1F15 Ce ppm 0.1	1F15 In ppm 0.02	1F15 Re ppb 1	1F15 Be ppm 0.1	1F15 Li ppm 0.1	1F15 Pd ppb 10	1F15 Pt ppb 2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2

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Submitted By: J. David Williams
Receiving Lab: Canada-Vancouver
Received: August 23, 2012
Report Date: August 31, 2012
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN12003978.1

CLIENT JOB INFORMATION

Project: ASHLU
Shipment ID: 2012-01
P.O. Number
Number of Samples: 4

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	4	Crush, split and pulverize 250 g rock to 200 mesh			VAN
1F05	4	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

PICKUP-PLP	Client to Pickup Pulps
PICKUP-RJT	Client to Pickup Rejects

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

ADDITIONAL COMMENTS

Invoice To: Integrex Engineering
303 - 1225 Cardero Street
Vancouver BC V6G 2H8
Canada

CC: Michael Raftery
Criag Lynes

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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Project: ASHLU
Report Date: August 31, 2012

CERTIFICATE OF ANALYSIS VAN12003978.1

Method		WGHT	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
G1	Prep Blank	<0.01	0.14	1.95	3.03	48.8	17	3.9	3.9	631	1.98	0.2	1.6	0.8	6.2	61.0	0.01	<0.02	0.03	34	0.49
1449001	Rock	1.41	2.85	27.79	9.98	24.5	174	0.5	1.2	255	1.71	0.9	0.6	0.2	2.5	11.0	0.02	0.05	0.02	31	0.22
1449002	Rock	0.60	0.09	3.09	1.24	54.5	25	7.9	10.6	594	2.79	0.3	1.3	<0.2	0.5	48.0	0.03	0.02	<0.02	80	0.64
1449003	Rock	1.41	0.35	22.28	1.25	43.6	16	6.5	11.5	439	2.47	0.9	0.4	0.7	5.7	35.5	0.02	0.05	<0.02	64	0.43
1449004	Rock	2.15	0.47	524.0	0.56	70.2	462	89.8	62.3	492	3.91	4.8	<0.1	29.4	0.5	39.1	0.40	<0.02	0.04	58	0.65

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CERTIFICATE OF ANALYSIS VAN12003978.1

Method		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
MDL		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
G1	Prep Blank	0.073	11.5	6.8	0.56	231.5	0.129	<1	0.96	0.084	0.48	<0.1	2.7	0.33	<0.02	<5	<0.1	<0.02	5.0	2.40	<0.1
1449001	Rock	0.049	10.4	11.2	0.49	117.9	0.199	<1	0.93	0.073	0.50	0.1	5.8	0.11	0.63	<5	1.4	0.36	3.7	1.62	0.2
1449002	Rock	0.109	3.5	9.5	0.86	156.0	0.159	<1	1.32	0.145	0.66	<0.1	3.0	0.18	<0.02	<5	<0.1	<0.02	4.7	0.87	<0.1
1449003	Rock	0.015	14.0	7.9	0.84	309.7	0.218	1	1.61	0.163	0.83	<0.1	4.0	0.21	<0.02	<5	<0.1	<0.02	4.9	0.96	0.1
1449004	Rock	0.020	0.6	68.4	2.48	12.5	0.097	<1	2.53	0.042	0.03	<0.1	4.4	<0.02	0.71	9	0.7	0.11	3.5	0.13	<0.1

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CERTIFICATE OF ANALYSIS VAN12003978.1

Method		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
G1	Prep Blank	0.10	0.61	38.8	0.6	<0.05	1.6	5.31	21.6	<0.02	<1	0.3	30.3	<10	<2
1449001	Rock	0.16	0.27	22.1	0.4	<0.05	2.2	11.29	18.3	<0.02	<1	0.1	16.0	<10	<2
1449002	Rock	0.06	0.09	36.9	0.1	<0.05	1.0	3.04	6.9	<0.02	<1	0.2	9.4	<10	<2
1449003	Rock	0.07	0.24	36.3	0.3	<0.05	1.0	5.44	27.1	<0.02	<1	0.2	11.8	<10	<2
1449004	Rock	0.04	<0.02	0.9	<0.1	<0.05	1.2	1.19	1.3	<0.02	<1	<0.1	7.6	10	7

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Vancouver BC V6G 2H8 Canada

Project: ASHLU
Report Date: August 31, 2012

QUALITY CONTROL REPORT VAN12003978.1

	Method	WGHT	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
Pulp Duplicates																					
1449004	Rock	2.15	0.47	524.0	0.56	70.2	462	89.8	62.3	492	3.91	4.8	<0.1	29.4	0.5	39.1	0.40	<0.02	0.04	58	0.65
REP 1449004	QC		0.50	525.3	0.54	73.8	468	89.8	65.6	535	3.95	5.0	0.1	24.4	0.6	40.9	0.44	<0.02	0.04	59	0.65
Reference Materials																					
STD DS9	Standard		13.52	116.4	127.9	326.3	1997	42.3	8.0	615	2.38	28.2	3.0	117.7	7.5	71.1	2.41	6.56	7.69	39	0.75
STD DS9 Expected			12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201
BLK	Blank		<0.01	0.02	<0.01	<0.1	3	<0.1	<0.1	1	<0.01	0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
Prep Wash																					
G1	Prep Blank	<0.01	0.14	1.95	3.03	48.8	17	3.9	3.9	631	1.98	0.2	1.6	0.8	6.2	61.0	0.01	<0.02	0.03	34	0.49

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	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
Pulp Duplicates																					
1449004	Rock	0.020	0.6	68.4	2.48	12.5	0.097	<1	2.53	0.042	0.03	<0.1	4.4	<0.02	0.71	9	0.7	0.11	3.5	0.13	<0.1
REP 1449004	QC	0.021	0.7	71.5	2.51	13.1	0.099	<1	2.55	0.043	0.03	<0.1	4.3	<0.02	0.71	13	1.1	0.18	3.6	0.14	<0.1
Reference Materials																					
STD DS9	Standard	0.090	15.4	116.2	0.63	324.5	0.120	2	0.98	0.085	0.41	3.4	2.4	5.80	0.17	199	5.5	5.46	4.6	2.58	<0.1
STD DS9 Expected		0.0819	13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59	2.37	0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	5	<0.1	<0.02	<0.1	<0.02	<0.1
Prep Wash																					
G1	Prep Blank	0.073	11.5	6.8	0.56	231.5	0.129	<1	0.96	0.084	0.48	<0.1	2.7	0.33	<0.02	<5	<0.1	<0.02	5.0	2.40	<0.1

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	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
Pulp Duplicates															
1449004	Rock	0.04	<0.02	0.9	<0.1	<0.05	1.2	1.19	1.3	<0.02	<1	<0.1	7.6	10	7
REP 1449004	QC	0.08	<0.02	0.9	<0.1	<0.05	1.5	1.18	1.3	<0.02	<1	0.1	7.6	<10	6
Reference Materials															
STD DS9	Standard	0.07	1.62	35.2	7.1	<0.05	2.2	6.21	28.7	2.41	70	5.1	26.7	109	395
STD DS9 Expected		0.08	1.33	33.8	6.4	0.004	2	5.97	25.4	2.2	61	5.4	25.2	120	350
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
Prep Wash															
G1	Prep Blank	0.10	0.61	38.8	0.6	<0.05	1.6	5.31	21.6	<0.02	<1	0.3	30.3	<10	<2

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METHOD SPECIFICATIONS
GROUP 1D AND 1F – GEOCHEMICAL AQUA REGIA DIGESTION

Package Codes: 1D01 to 1D03, 1DX1 to 1DX3, 1F01 to 1F07
Sample Digestion: HNO3-HCl acid digestion
Instrumentation Method: ICP-ES (1D), ICP-MS (1DX, 1F)
Applicability: Sediment, Soil, Non-mineralized Rock and Drill Core

Method Description:

Prepared sample is digested with a modified Aqua Regia solution of equal parts concentrated HCl, HNO3 and DI H2O for one hour in a heating block of hot water bath. Sample is made up to volume with dilute HCl. Sample splits of 0.5g, 15g or 30g can be analyzed.

For 1F07, Lead isotopes (Pb_{204}, Pb_{206}, Pb_{207}, Pb_{208}) are suitable for geochemical exploration of U and other commodities where gross differences in natural to radiogenic Pb ratios, is a benefit. Isotope values can be reported in both concentrations and intensities. Sample splits of 0.25g, 0.5g, 15g or 30g can be analyzed.

Element	Group 1D Detection	Group 1DX Detection	Group 1F Detection	Upper Limit
Ag	0.3 ppm	0.1 ppm	2 ppb	100 ppm
Al*	0.01%	0.01%	0.01%	10%
As	2 ppm	0.5 ppm	0.1 ppm	10000 ppm
Au	2 ppm	0.5 ppb	0.2 ppb	100 ppm
B*^	20 ppm	20 ppm	20 ppm	2000 ppm
Ba*	1 ppm	1 ppm	0.5 ppm	10000 ppm
Bi	3 ppm	0.1 ppm	0.02 ppm	2000 ppm
Ca*	0.01%	0.01%	0.01%	40%
Cd	0.5 ppm	0.1 ppm	0.01 ppm	2000 ppm
Co	1 ppm	0.1 ppm	0.1 ppm	2000 ppm
Cr*	1 ppm	1 ppm	0.5 ppm	10000 ppm
Cu	1 ppm	0.1 ppm	0.01 ppm	10000 ppm
Fe*	0.01%	0.01%	0.01%	40%
Ga*	-	1 ppm	0.1 ppm	1000 ppm
Hg	1 ppm	0.01 ppm	5 ppb	50 ppm
K*	0.01%	0.01%	0.01%	10%
La*	1 ppm	1 ppm	0.5 ppm	10000 ppm
Mg*	0.01%	0.01%	0.01%	30%
Mn*	2 ppm	1 ppm	1 ppm	10000 ppm
Mo	1 ppm	0.1 ppm	0.01 ppm	2000 ppm

Element	Group 1D Detection	Group 1DX Detection	Group 1F Detection	Upper Limit
Na*	0.01%	0.001%	0.001%	5%
Ni	1 ppm	0.1 ppm	0.1 ppm	10000 ppm
P*	0.001%	0.001%	0.001%	5%
Pb	3 ppm	0.1 ppm	0.01 ppm	10000 ppm
S	0.05%	0.05%	0.02%	10%
Sb	3 ppm	0.1 ppm	0.02 ppm	2000 ppm
Sc	-	0.1 ppm	0.1 ppm	100 ppm
Se	-	0.5 ppm	0.1 ppm	100 ppm
Sr*	1 ppm	1 ppm	0.5 ppm	10000 ppm
Te	-	0.2 ppm	0.02 ppm	1000 ppm
Th*	2 ppm	0.1 ppm	0.1 ppm	2000 ppm
Ti*	0.01%	0.001%	0.001%	5%
Tl	5 ppm	0.1 ppm	0.02 ppm	1000 ppm
U*	8 ppm	0.1 ppm	0.05 ppm	2000 ppm
V*	1 ppm	2 ppm	2 ppm	10000 ppm
W*	2 ppm	0.1 ppm	0.05 ppm	100 ppm
Zn	1 ppm	1 ppm	0.1 ppm	10000 ppm
Be*	-	-	0.1 ppm	1000 ppm
Ce*	-	-	0.1 ppm	2000 ppm
Cs*	-	-	0.02 ppm	2000 ppm
Ge*	-	-	0.1 ppm	100 ppm
Hf*	-	-	0.02 ppm	1000 ppm
In	-	-	0.02 ppm	1000 ppm
Li*	-	-	0.1 ppm	2000 ppm
Nb*	-	-	0.02 ppm	2000 ppm
Rb*	-	-	0.1 ppm	2000 ppm
Re	-	-	1 ppb	1000 ppb
Sn*	-	-	0.1 ppm	100 ppm
Ta*	-	-	0.05 ppm	2000 ppm
Y*	-	-	0.01 ppm	2000 ppm
Zr*	-	-	0.1 ppm	2000 ppm
Pt*	-	-	2 ppb	100 ppm
Pd*	-	-	10 ppb	100 ppm
Pb_{204}	-	-	0.01 ppm	10000 ppm
Pb_{206}	-	-	0.01 ppm	10000 ppm
Pb_{207}	-	-	0.01 ppm	10000 ppm
Pb_{208}	-	-	0.01 ppm	10000 ppm

* Solubility of some elements will be limited by mineral species present.
^Detection limit = 1 ppm for 15g / 30g analysis.

Limitations:

Au solubility can be limited by refractory and graphitic samples.

APPENDIX C – Soil Sample Assay Plans—1:30,000

Series of eight maps showing all 142 soil sample locations of the 2012 fieldwork on the Ashlu Property, annotated with assay value for each of Au, Ag, Bi, Te, Cu. Pb, Zn & Hg. Those elements are expected to be economically significant on the Ashlu Property or, at least in the case of Hg, to be useful as pathfinders to mineralization. All maps are drawn at 1:30,000 scale intended to be printed on B-size (11" x 17") media in landscape mode.

ICE SHOWING

POKOSHA SHOWING
(includes George Vein)

5,537,000N
5,536,000N
5,535,000N
5,534,000N
5,533,000N
5,532,000N
5,531,000N

464,000E
465,000E
466,000E
467,000E
468,000E
469,000E
470,000E
471,000E
472,000E
473,000E
474,000E
475,000E

Astronomic North
Grid North
Magnetic North
UTM Zone 10 NAD83
declination 17°24'
convergence 0° 19' 51"

Symbol Key
Assay
Soil sample location & analytical value

ASHLU MINES Inc.

ASHLU PROJECT 2012 - Soil Assays - GOLD

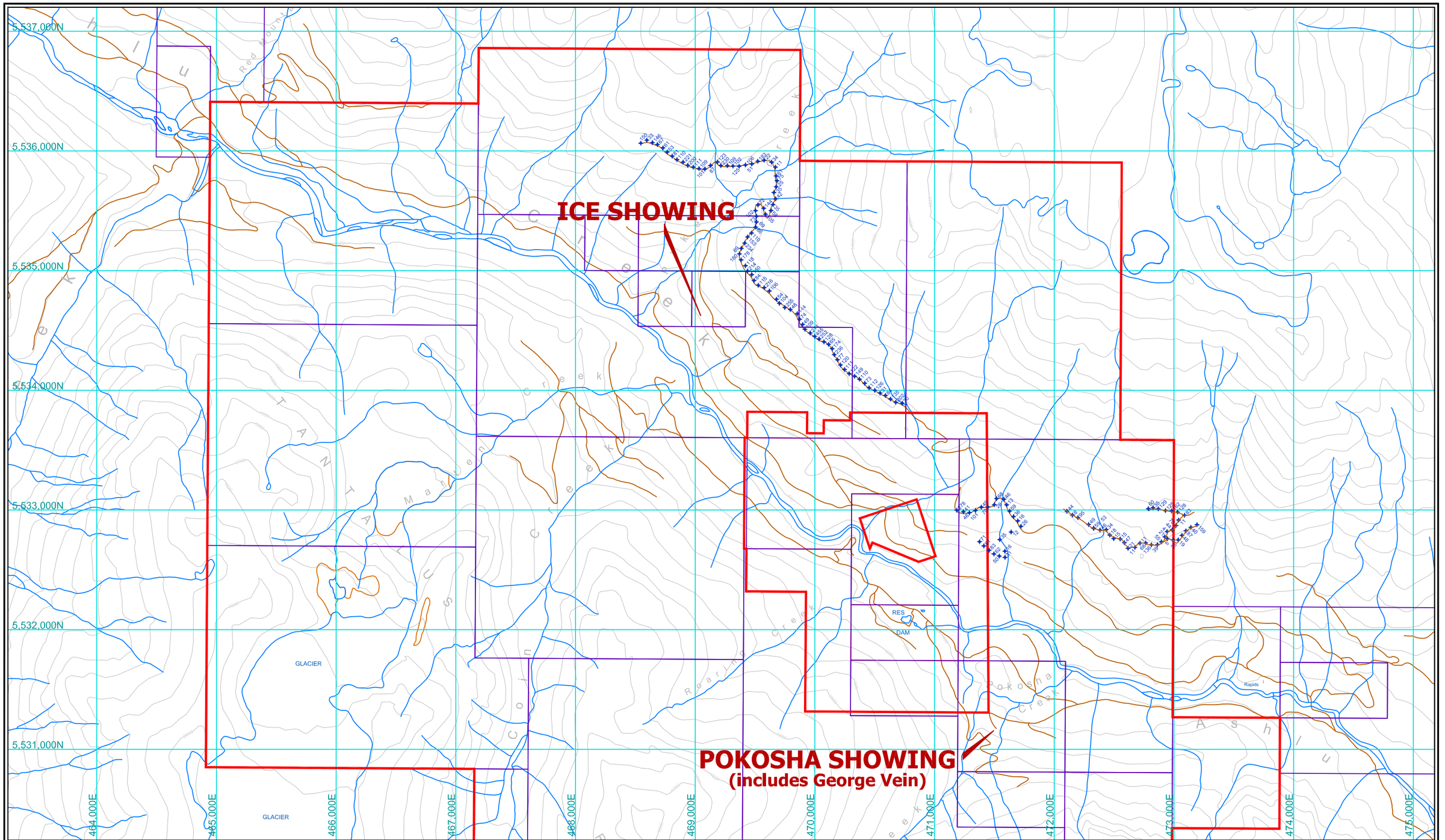
1000 500 0 1000 2000 3000 meters 4000

Scale 1 : 30,000

Au
[ppb]

Figure:
Soil-Assay_Au

November 2012



Astronomic North

Grid North

Magnetic North

UTM Zone 10 NAD83

declination 17°24'

convergence 0° 19' 51"

Symbol Key

Assay — Soil sample location & analytical value

ASHLU MINES Inc.

ASHLU PROJECT 2012 - Soil Assays - SILVER

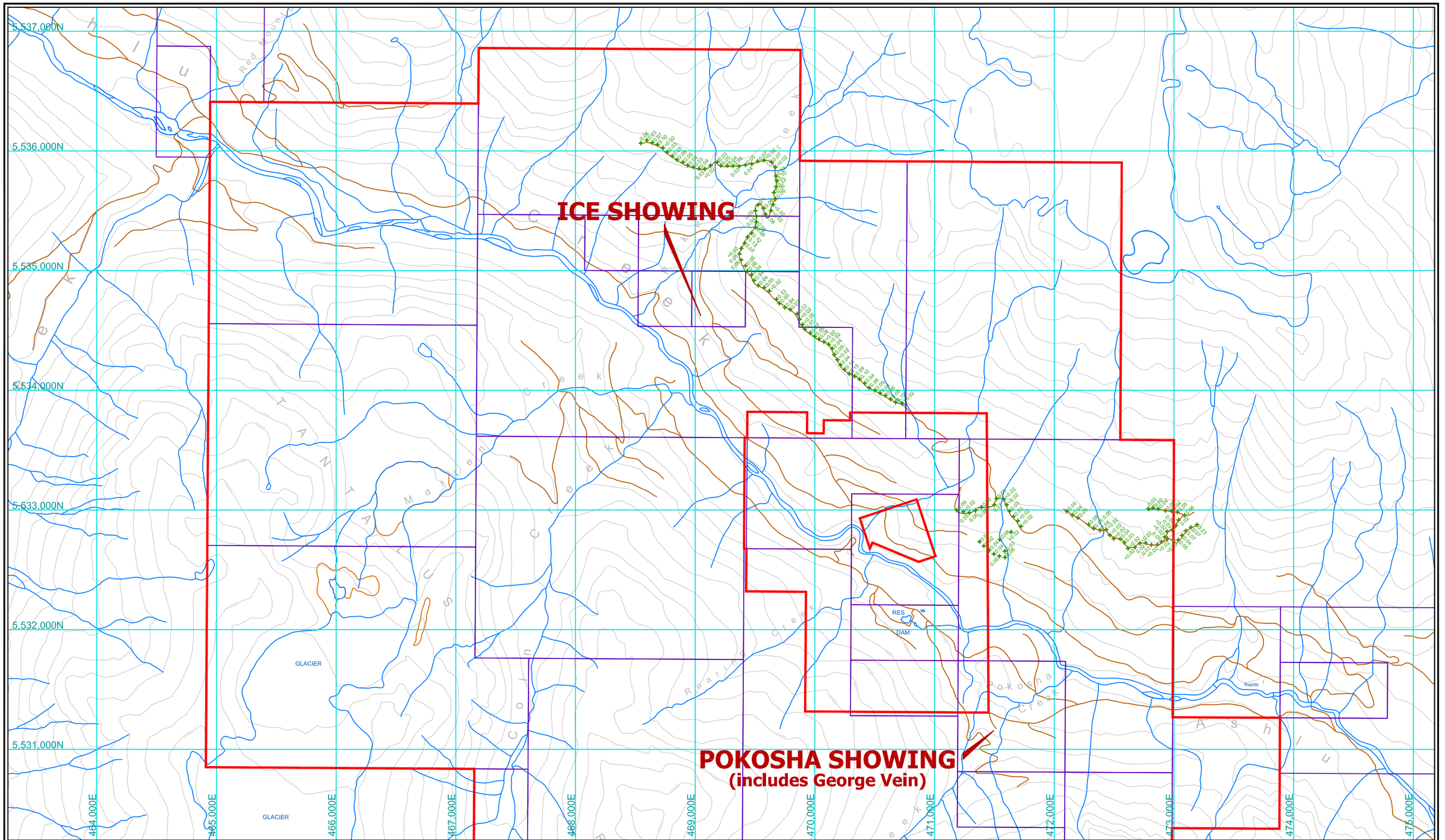
1000 500 0 1000 2000 3000 meters 4000

Scale 1 : 30,000

Ag [ppb]

Figure: Soil-Assay_Ag

November 2012



Astronomic North

Grid North

Magnetic North

UTM Zone 10 NAD83

declination 17°24'

convergence 0° 19' 51"

Symbol Key

Assay — Soil sample location & analytical value

ASHLU MINES Inc.

ASHLU PROJECT 2012 - Soil Assays - BISMUTH

1000 500 0 1000 2000 3000 meters 4000

Scale 1 : 30,000

Bi [ppm]

Figure: Soil-Assay_Bi

November 2012

ICE SHOWING

POKOSHA SHOWING
(includes George Vein)

5,537,000N
5,536,000N
5,535,000N
5,534,000N
5,533,000N
5,532,000N
5,531,000N

464,000E
465,000E
466,000E
467,000E
468,000E
469,000E
470,000E
471,000E
472,000E
473,000E
474,000E
475,000E

Astronomic North
Grid North
Magnetic North
UTM Zone 10 NAD83
declination 17°24'
convergence 0° 19' 51"

Symbol Key
Assay
Soil sample location & analytical value

ASHLU MINES Inc.

ASHLU PROJECT 2012 - Soil Assays - TELLURIUM

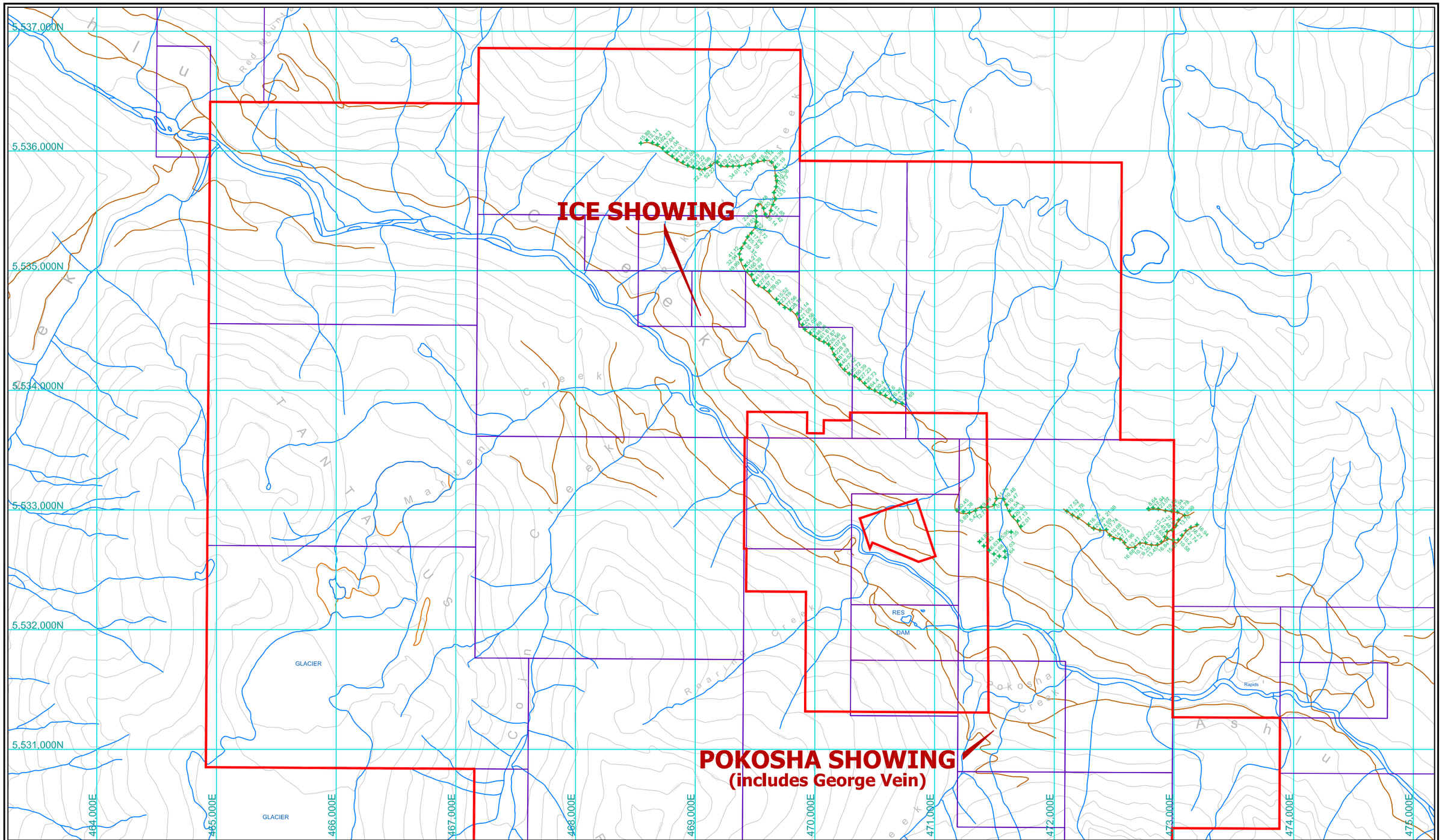
1000 500 0 1000 2000 3000 meters 4000

Scale 1 : 30,000

Te
[ppm]

Figure:
Soil-Assay_Te

November 2012



Astronomic North

Grid North

Magnetic North

UTM Zone 10 NAD83

declination 17°24'

convergence 0° 19' 51"

Symbol Key

Assay — Soil sample location & analytical value

ASHLU MINES Inc.

ASHLU PROJECT 2012 - Soil Assays - COPPER

1000 500 0 1000 2000 3000 meters 4000

Scale 1 : 30,000

Cu [ppm]

Figure: Soil-Assay_Cu

November 2012

5,537,000N
5,536,000N
5,535,000N
5,534,000N
5,533,000N
5,532,000N
5,531,000N
464,000E
465,000E
466,000E
467,000E
468,000E
469,000E
470,000E
471,000E
472,000E
473,000E
474,000E
475,000E

ICE SHOWING

POKOSHA SHOWING
(includes George Vein)

Red Mountain
Ashlu Creek
Coin Creek
Roaring Creek
Pokosha Creek
Ashlu
Matuel Creek
GLACIER
RES
DAM
Rapids

Astronomic North
Grid North
Magnetic North
UTM Zone 10 NAD83
declination 17°24'
convergence 0° 19' 51"

Symbol Key
Assay
Soil sample location & analytical value

ASHLU MINES Inc.

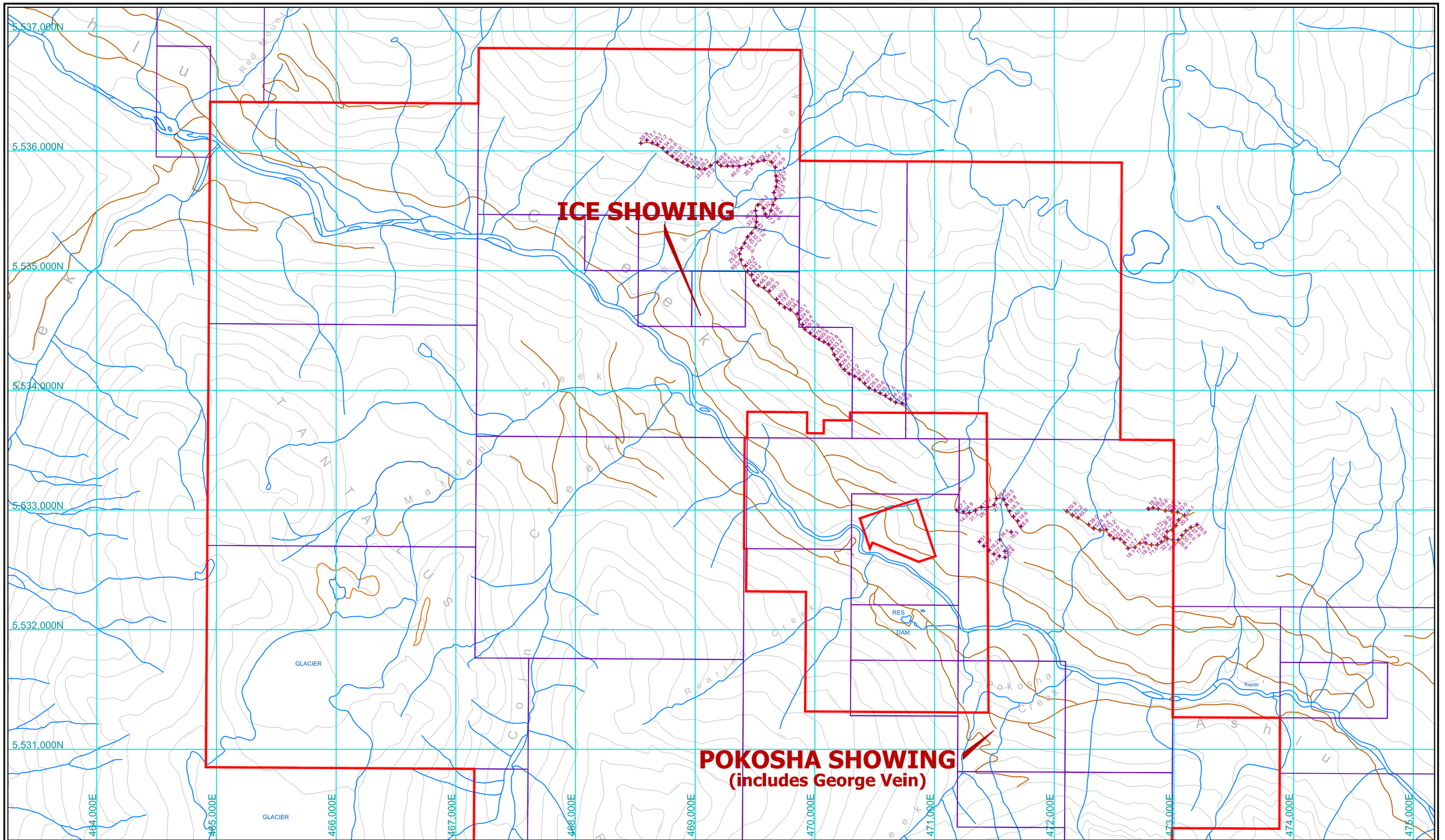
ASHLU PROJECT 2012 - Soil Assays - LEAD

1000 500 0 1000 2000 3000 meters 4000
Scale 1 : 30,000

Pb
[ppm]

Figure:
Soil-Assay_Pb

November 2012



Astronomic North

Grid North

Magnetic North

UTM Zone 10 NAD83

declination 17°24'

convergence 0° 19' 51"

Symbol Key

Assay — Soil sample location & analytical value

ASHLU MINES Inc.

ASHLU PROJECT 2012 - Soil Assays - ZINC

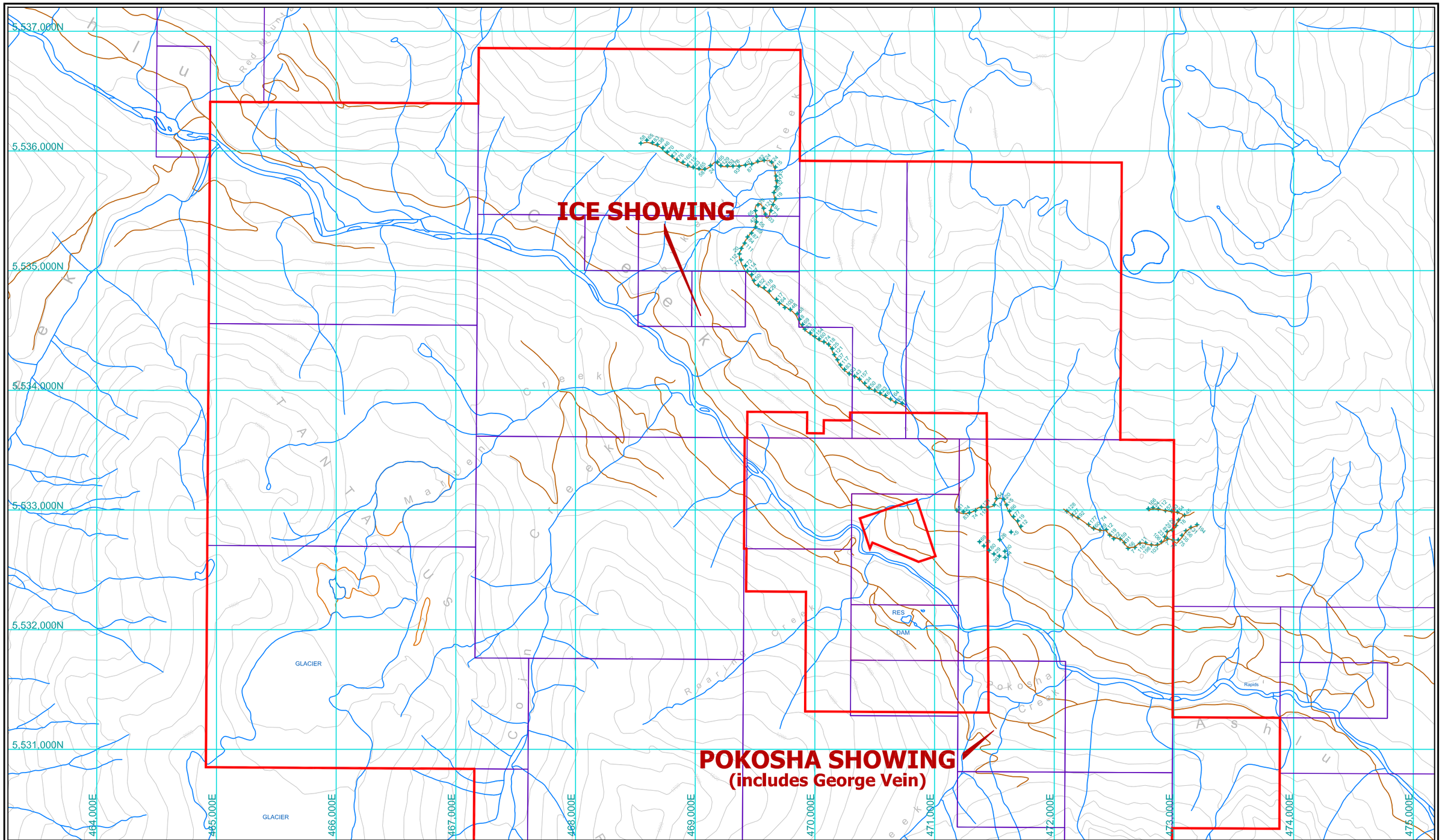
1000 500 0 1000 2000 3000 meters 4000

Scale 1 : 30,000

Zn [ppm]

Figure: Soil-Assay_Zn

November 2012



Astronomic North

Grid North

Magnetic North

UTM Zone 10 NAD83

declination 17°24'

convergence 0° 19' 51"

Symbol Key

Assay — Soil sample location & analytical value

ASHLU MINES Inc.

ASHLU PROJECT 2012 - Soil Assays - MERCURY

1000 500 0 1000 2000 3000 meters 4000

Scale 1 : 30,000

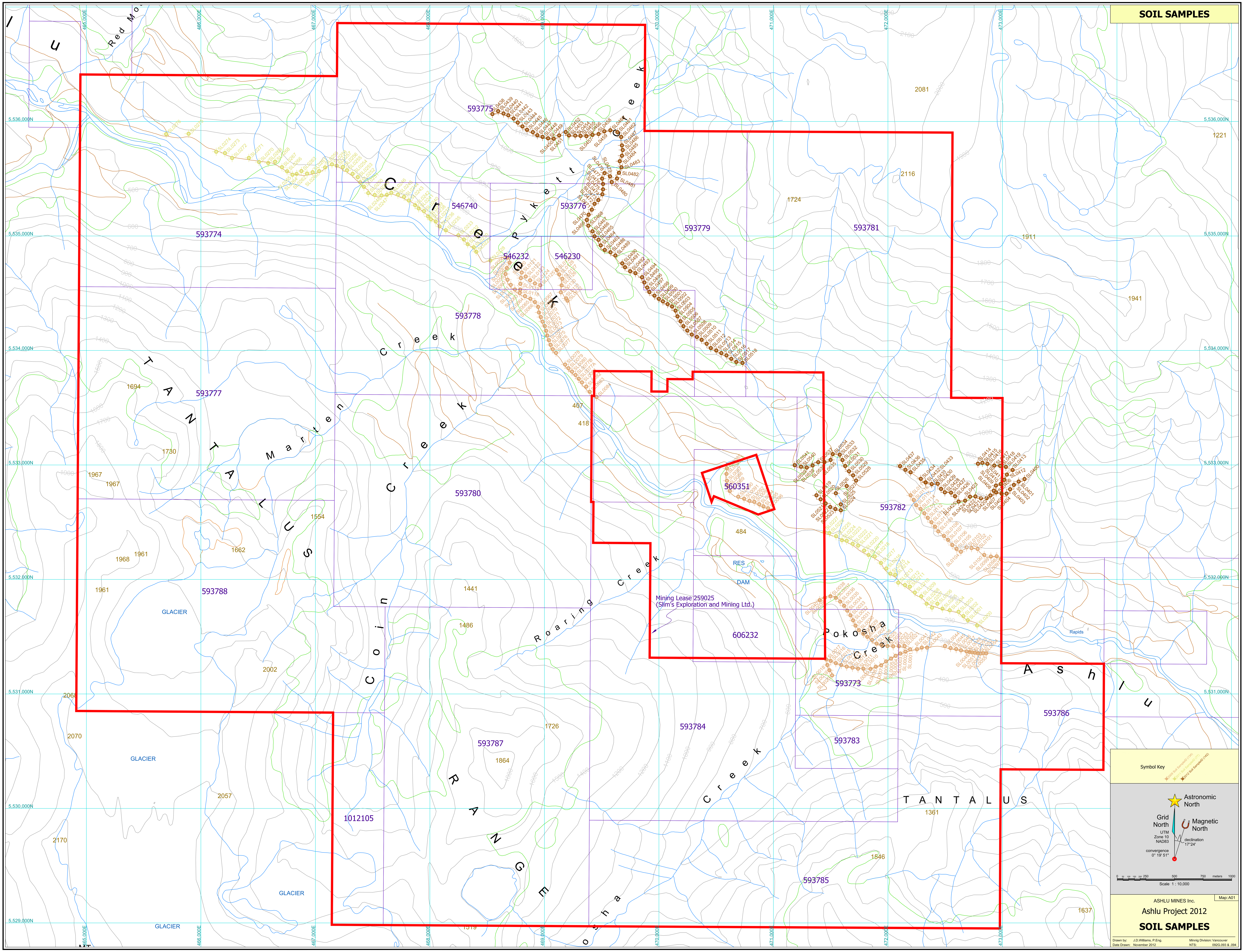
Hg [ppb]

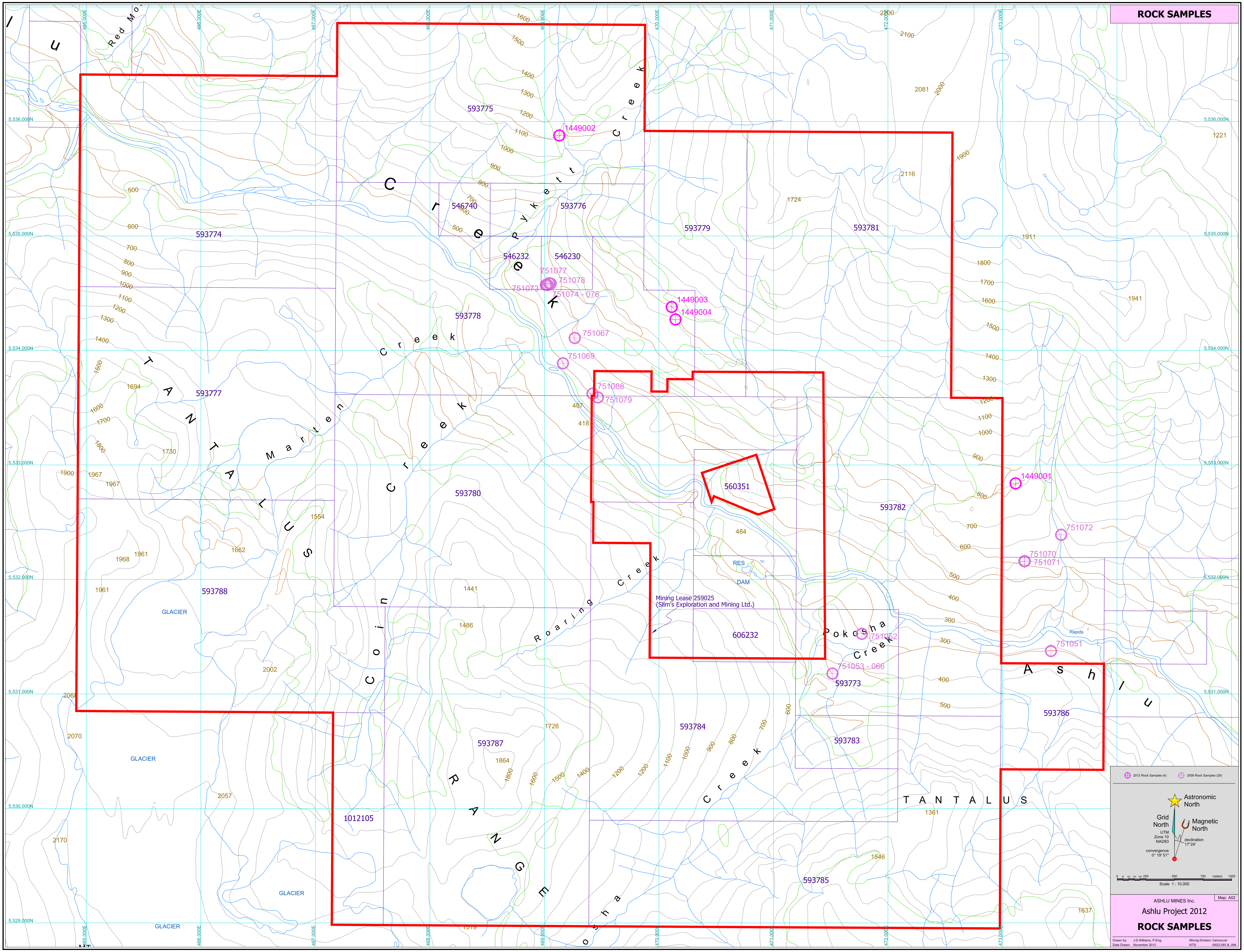
Figure: Soil-Assay_Hg

November 2012

APPENDIX D – Soil & Rock Sample Location Maps—1:10,000

Separate 1:10,000 scale large-format maps showing soil & rock sample locations of the 2012 field program on the Ashlu Property. Both maps are presented on a TRIM base that includes labeled mineral tenures. Samples are located in the field with coordinates displayed by a hand-held GPS receiver and annotated on the map with a unique SampleID. Rock & soil samples of the 2009 field program, and soil samples gathered in 2011, recorded under similar field conditions and comparable field methods are also shown for reference. The maps are intended for printing on E-size (36” x 48”) media in landscape mode. For hardcopy reproduction of this report, the maps are intended to be enclosed as folded copies contained in pockets inside the back cover.


SOIL SAMPLES
593775
593776
546740
546232
546230
593774
593777
593778
593779
593781
593780
593782
560351
606232
593773
593788
593787
593784
593783
593786
593785
1012105
Mining Lease 259025
(Slim's Exploration and Mining Ltd.)
RES
DAM
Rapids
GLACIER
TANTALUS
TANTALUS RANGE
Marten Creek
Roaring Creek
Pokosha Creek
Coin Creek
Ashlu
Red Mo
Symbol Key
Astronomic North
Grid North
UTM
Zone 10
NAD83
Magnetic North
declination
17°24'
convergence
0° 19' 51"
Scale 1 : 10,000
meters
Map: A01
ASHLU MINES Inc.
Ashlu Project 2012
SOIL SAMPLES
Drawn by: J.D.Williams, P.Eng.
Date Drawn: November 2012
Minnig Division: Vancouver
NTS: 092G.093 & .094


ROCK SAMPLES
593775
1449002
593776
546740
593779
593781
593774
546232
546230
751077
751078
751073
751074 - 076
1449003
1449004
593778
751067
751069
593777
751068
751079
560351
593782
1449001
593780
751072
751070
751071
Mining Lease 259025
(Slim's Exploration and Mining Ltd.)
606232
751052
751051
751053 - 066
593773
593788
593786
593784
593787
593783
1012105
593785
GLACIER
RES
DAM
Rapids
Creek
Marten Creek
Coin Creek
Roaring Creek
Pokosha Creek
Ashlu
TANTALUS RANGE
TANTALUS
2012 Rock Samples (4)
2009 Rock Samples (29)
Astronomic North
Grid North
UTM
Zone 10
NAD83
Magnetic North
declination
17°24'
convergence
0° 19' 51"
0 50 100 150 200 250 500 750 meters 1000
Scale 1 : 10,000
Map: A02
ASHLU MINES Inc.
Ashlu Project 2012
ROCK SAMPLES
Drawn by: J.D.Williams, P.Eng.
Date Drawn: November 2012
Minnig Division: Vancouver
NTS: 092G.093 & .094