GEOLOGICAL AND GEOCHEMICAL REPORT
ON THE
SKIP MINERAL PROPERTY

OMINECA MINING DIVISION
NTS 93F, 096 and 097
(Latitude 53° 56′ N, Longitude 124° 49′ W)

OWNER AND OPERATOR
G. W. KURZ
G.D. BYSOUTH

Author: G. D. Bysouth

Submitted: AUGUST 2011

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)]: Geological and Geochemical Report

TOTAL COST: $8506.00

AUTHOR(S): Garry D. Bysouth SIGNATURE(S): Garry D. Bysouth

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): ~~1300517~~ (no surface disturbance) YEAR OF WORK: 2010

STATEMENT OF WORK - CASH PAYMENT EVENT NUMBER(S)/DATE(S): 4878419 2010 June 26 to 2010 Oct 1

PROPERTY NAME: Skip

CLAIM NAME(S) (on which work was done): Skip #1 Tenure No. 574353

COMMODITIES SOUGHT: Molybdenum

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN:

MINING DIVISION: Omineca NTS: 93F, 096 and 097

LATITUDE 53 ° 56 ' 00 " LONGITUDE 124 ° 49 ' 00 " (at centre of work)

OWNER(S)
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PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
Wide spread molybdenite mineralization occurs in a porphyry-type environment similar to that of the Endako and Nithi Mtn deposits. Host rocks are early Cret. Casey quartz-monzonite, a red granite of likely similar age and an older dioritic rock unit. The molybdenite occurs mainly in quartz vein systems with minor pyrite.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: No. 1107 (Amax); No 1002, No. 1216 (Anaconda); No 2368 (Mercury): Bysouth G.D. 2006 Geochem. Skip Claims; Bysouth 2008, Percussion Drilling Skip Property.

(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 1:10,000	700 hectares	Skip #1 (574353)	3900
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for ...)			
Soil 45	37 elements by ICP-MS.	Skip #1	3454
Silt			
Rock 15	37 elements by ICP-MS	Skip #1	1152
Other			Total 4606
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	$8506.00

SKIP CLAIMS Location Map

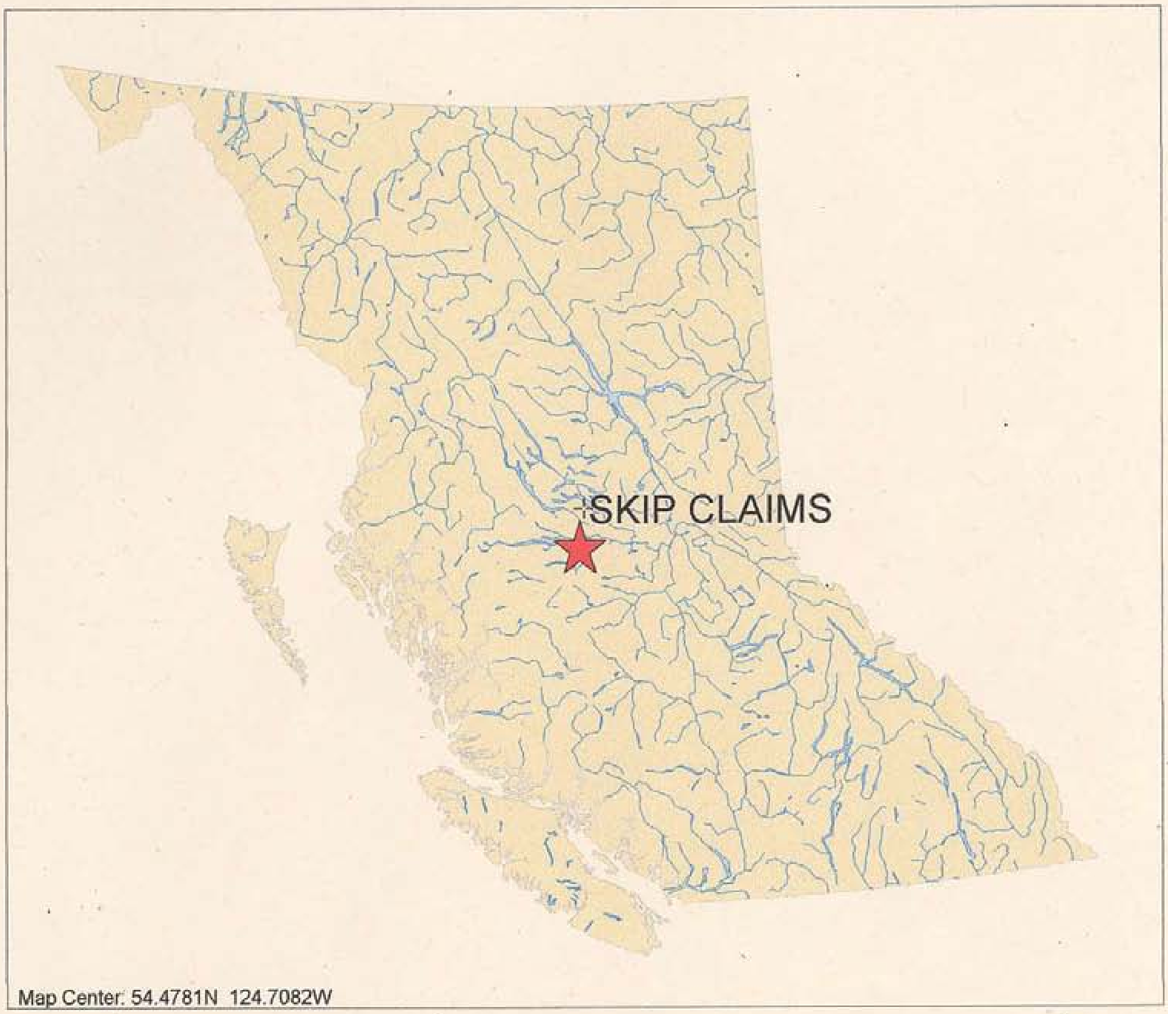
SKIP CLAIMS Location

Topographic Layers

- **Lakes 1:6M**
- **Rivers 1:6M**

BC Border Layers

- **BC Border 1:6M**



SCALE 1 : 11,580,383

100 0 100 200 300

MILES

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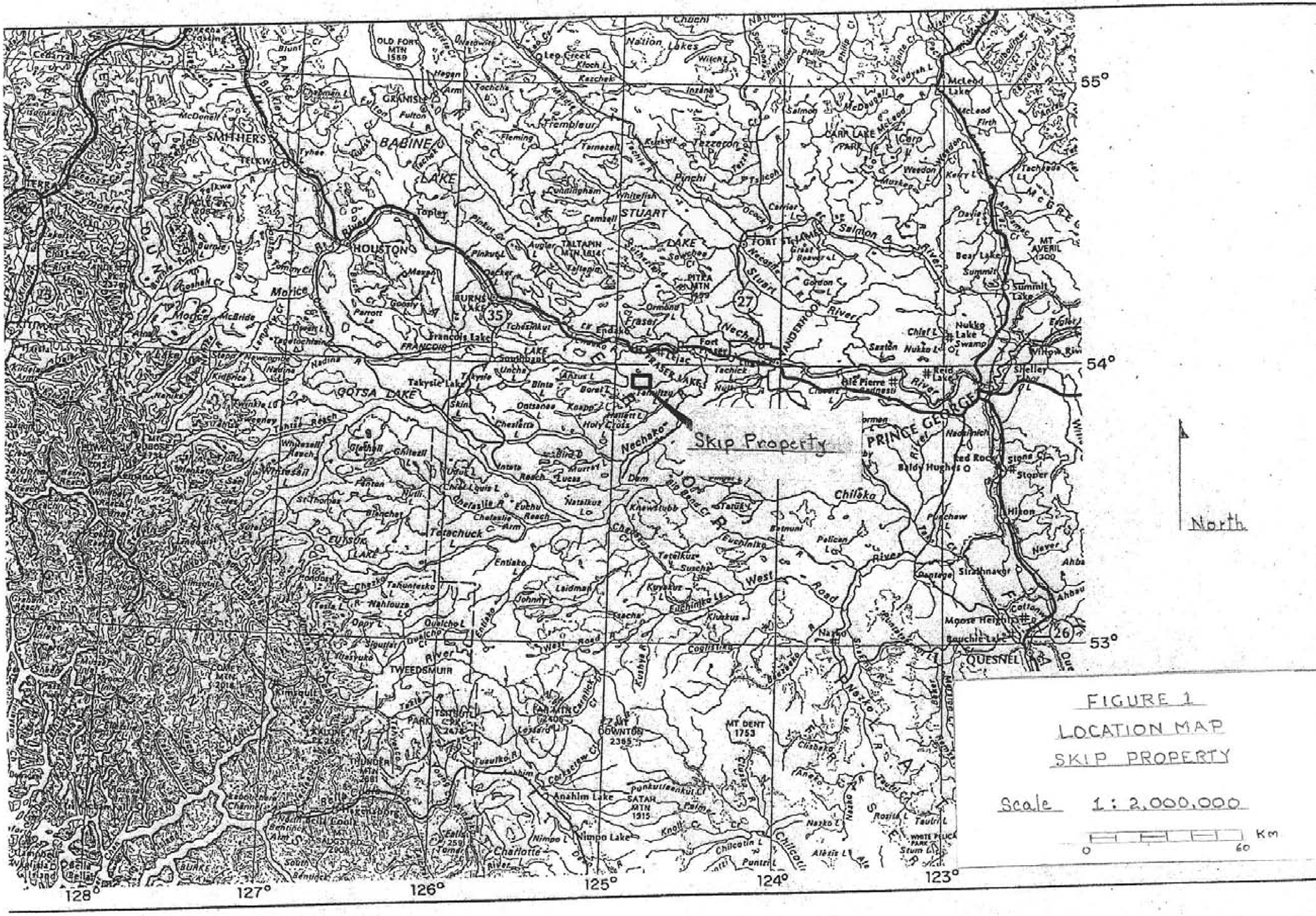

FIGURE 1

LOCATION MAP

SKIP PROPERTY

Scale 1 : 2,000,000

1.0 INTRODUCTION

The Skip property was staked in 2005 by G.W. Kurz. The property lies about 12km directly south of Fraser Lake, British Columbia. Good access is provided by a network of all-weather logging roads which connect the property to Highway 16 near Lejac, a few kilometres east of Fraser Lake village.

The property is located in the Nithi Valley directly across from Nithi Mountain. Most of the property lies along the south side of the valley, but it also extends across the valley bottom to the lower slopes of Nithi Mountain. Overall topographic relief is moderate. Elevations vary from about 1250m along the uppermost south valley walls to about 790m at the valley floor. Within the property, the south side of the valley is drained mainly by a north trending stream course which we have called Skip Creek. This drainage system serves as a recognizable feature in an otherwise indistinct geography. It also divides the property into two halves which are different in both geology and exploration history.

The Skip property covers ground that had been actively explored throughout the 1960s. Anaconda American Brass Limited held most of the ground west of Skip Creek which had been called the Owl claims. They explored this ground and large tracts of adjacent ground by extensive geochemical soil sampling and had outlined a highly significant lead-copper-zinc soil anomaly within the Owl claims. To the east, Amax Exploration Inc. had stalked the Gel claims. Here, they carried out a program of geochemical soil sampling, bulldozer trenching and I.P. geophysical surveying. A large area of disconnected but significant copper-molybdenum soil anomalies were identified scattered along higher elevation parts of the property, and bulldozer trenching in lower parts revealed some strong copper-lead-zinc trench profiles. But the most significant aspect of this work was the discovery of a large I.P. anomaly which underlay most of the high ground east of Skip Creek. We call this area the Gel I.P. zone.

Within the valley bottom, north of both the Gel and Owl properties, Mercury Explorations Ltd had carried out a reconnaissance type of I.P. survey. A large I.P. anomaly was outlined across the valley floor, from below the Owl zone to the lower slopes of the Nithi Mountains.

Our exploration work on the Skip property involved a geochemical soil survey done in 2005, and an 18-hole percussion drilling project carried out in the fall of 2007. The geochemical survey had refined the earlier surveys through the use of ICP multi-element analysis. The percussion drilling had successfully identified two areas of significant molybdenite mineralization – the largest of these was identified by seven drill holes drilled across the Gel I.P. zone, and another was found by drilling around surface molybdenite exposures on the former Owl property.

A list of references for all exploration work on the ground now held by the Skip property is provided in the final page of this report.

The present work involves a joint geological and geochemical survey carried out during the period of June 24th to June 29th, July 10th to July 11th, and September 30th to October 1st, 2010. The objective of the geological survey was to establish a geological framework for the molybdenum mineralization outlined by the percussion drilling. A total area of 700 hectares was mapped at a scale of 1:10 000.

The major objective of the geochemical survey was to continue the search for molybdenite mineralization through the use of soil and rock geochemical prospecting. A secondary objective of the geochemical survey was to make full use of the multi-element assaying to determine the geochemical character of the metals directly and indirectly associated with the molybdenite mineralization. A total of 45 soils and 15 rocks were collected for analysis. All samples were assayed by Acme Analytical Laboratories Ltd of Vancouver, British Columbia, using the ICP-MS method and an aqua regia digestion.

2.0 MINERAL CLAIMS

The present holdings consist of one MTO claim, Tenure No. 57453, which has an area of 2779 hectares. It is owned 66% by G.W. Kurz of Fraser Lake, British Columbia, and 34% by G.D. Bysouth of Boswell, British Columbia. The claim is in good standing to November 27th 2011. Figure 1 shows the geographical location of the Skip property.

3.0 GENERAL GEOLOGY

The surface geology of the local area has been created largely by the effects of glaciation. Within the Nithi Valley, outwash deposits of silt, sand and gravel have formed a knob and kettle topography along the valley floor. Above the valley floor to about the 960m level, the outwash deposits exist as various erosion remanents. Above the 960m elevation, the surface cover consists mainly of rocky glacial till and bedrock-derived colluviums, with the proportion of the latter increasing with elevation. The percussion drilling has indicated the glacial till cover is generally about 3.0m thick. The direction of the last great glacial advance was easterly. Preglacial valleys lying across that trend such as Skip Creek would be expected to have a much thicker cover of glacial till.

The bedrock geology of the local area from Endako Mines to the Nithi area is unique. It is situated on the extreme southwest flank of a large batholith, formerly known as the Topley batholith and later renamed as the Francois Lake Intrusions. In 1965, subdivision of the Topley batholith began in the Endako area by M.Carr of the B.C. Ministry of Mines (Carr, 1966). This work included the Nithi Mountain area and, as a result, Carr's map units also extend into the northern edge of the Skip property. Throughout the 1970's, Endako Mines Ltd. carried out regional geological and geochemical surveys over a large area of the batholith – this included the Nithi Valley-Smith Creek area (Kimura, et al 1980). In 1996, the unpublished Endako Mines geological mapping was turned over to the Geological Survey of Canada who then conducted a major project to officially reclassify the geology of the batholith (Anderson et al, 1997). The rock units established by Carr and Endako Mines Ltd. were largely retained for their respective areas, as was much of the original geology. The geology was, however, subdivided into various plutonic suites, and the Endako Mines-Nithi Mountain area was placed within the Early Cretaceous Francois Lake Plutonic Suite (L'Heureux and Anderson, 1997). This classification would include the Skip rock units, other than the Limit Lake Diorite.

4.0 GEOLOGICAL SURVEY

4.1 INTRODUCTION

The percussion drilling project of 2007 had identified two areas of molybdenite mineralization. These are shown in Figure 3 as the Gel Mo Zone and the Owl Mo Zone. The Gel Zone has been defined by holes 701 to 708 which were drilled across the Gel I.P. anomaly over a distance of 1100m. Total bedrock intercepts in holes 701 to 706 averaged .010% *Mo*. Further to the east, hole 707 intersected a barren dyke but the last hole, 708, assayed .012% *Mo* over a total bedrock intercept of 48.8m. The Owl Zone has been defined by holes 714,715 and 718, which were drilled near surface showings of molybdenite mineralization. Hole 714 was confined to a red granite dyke and mafic contacts. It assayed .011% *Mo* over 36.6 metres. Hole 714 intersected a footwall section of the same dyke to give .012% *Mo* over 9.15m. About 450m to the northwest, hole 718 assayed .012% *Mo* over a 12.2m intersection that included a similar red granite dyke.

The primary objective of the geological mapping was to determine the geological controls of the molybdenite mineralization outlined by the 2007 percussion drilling. The project is quite timely owing to the many new rock exposures created by recent logging

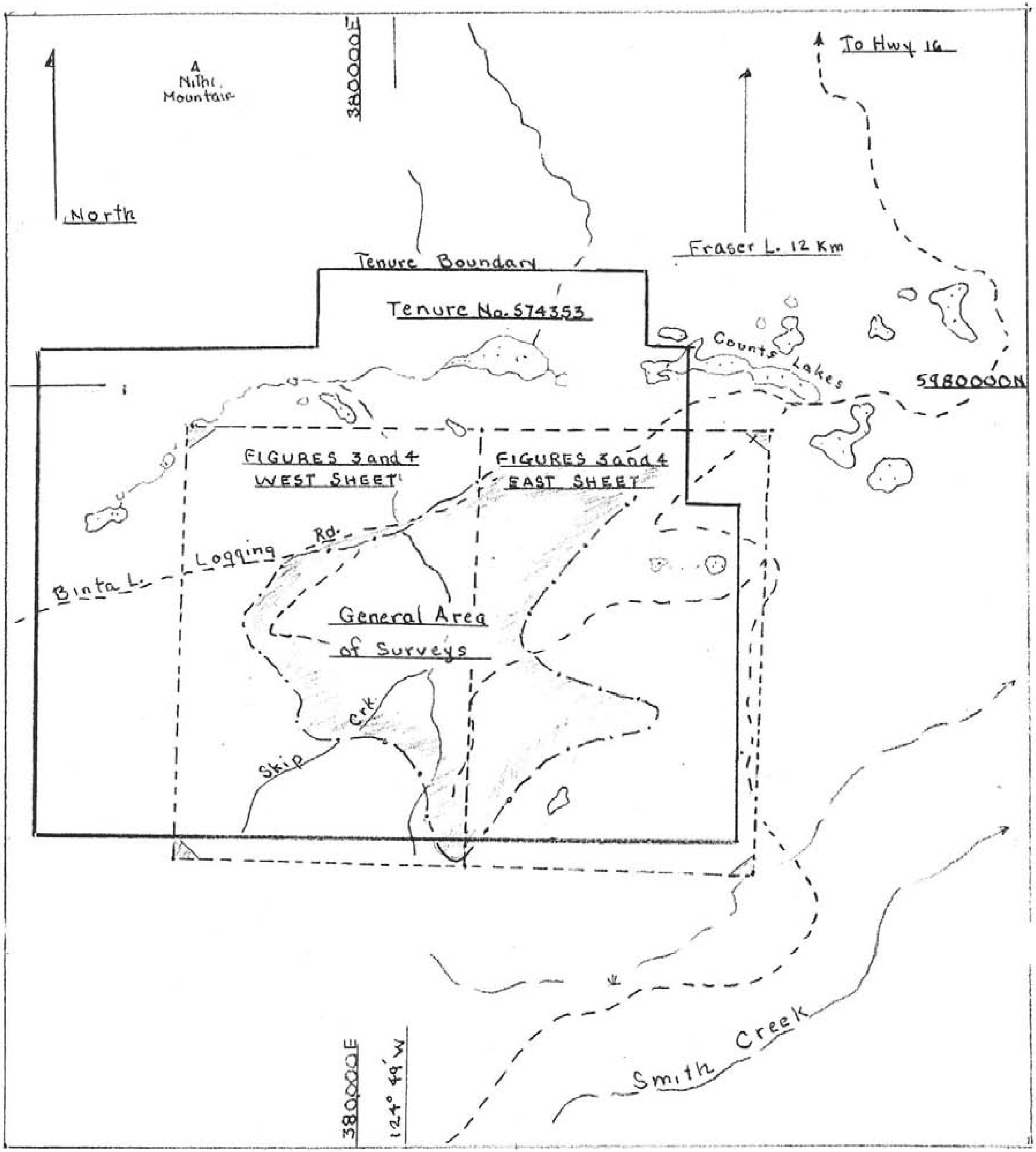

FIGURE 2

SKIP MINERAL PROPERTY

NTS 93F, 096 and 097

OMINECA MINING DIVISION

TENURE and INDEX MAP

2011 GEOLOGICAL – GEOCHEMICAL SURVEY

Scale: 1 : 50,000

0 1 2 3 km

activity. The project has also made full use of the geological and mineralogical information derived from the percussion drilling program.

A large area of mapping was involved which required the use of two adjoining 1:10 000 scale maps designated as the East Sheet and the West Sheet of Figure 3. The geological sample sites were identified by a square and representative sample number, accompanied by a symbol denoting the major rock type present. The square covers an area of over 20m in width. Larger rock exposures and multiple rock exposure are shown enclosed by dashed lines. The percussion drill hole locations are also shown on the map sheets but as circles with symbols indicating the major rock type intersected – rock compositions forming less than 20% of the intersection were ignored.

At each sample site, representative samples were collected and marked, field notes were taken, the location was fixed by GPS and the sample site marked by ribbon. During July 2nd-4th, 2010, the rocks collected to that date were examined by binocular microscope and the field notes were upgraded accordingly. Five of the fine grained rocks had been cut and polished to aid in this examination.

4.2 LIMIT LAKE DIORITE

The high ground along the southeast quadrant of the map area is underlain by a large body of diorite which may be the oldest rock unit of the map area. It had been known as the Mary Lake Diorite due to the a very similar rock type near Mary Lake (now Noland Lake) west of Nithi Mountain (Kimura et al, 1980). However, the GSC has placed these rocks with their Jurassic Limit Lake sequence (Anderson, et al 1997) and that name is retained here.

These are all dark rocks, usually of fresh appearance, which consist essentially of hornblende and plagioclase in varying proportions. Two extremes in composition have been noted. One is a basic diorite or gabbro which is composed of about 65% subhedral interlocking hornblende prisms and 30% interstitial grey minerals – mainly plagioclase but probably including some orthoclase. The other is a granitic textured quartz diorite made up of 40% hornblende in a matrix of mainly plagioclase and minor quartz – often with some pink orthoclase. Most of the rock is medium grained but fine grained varieties occur in contact with quartz monzonite at the south central part of the map area. The diorite is intruded in numerous places by alaskite dykes. Irregular patches of red and salmon red orthoclase alteration have also been noted in many rock exposures – for instance, at sites 1033, 1040, and 1043.

4.3 EASTERN NITHI QUARTZ MONZONITE

A medium to coarse grained biotite quartz monzonite has been found in natural exposures along the northeast side of the map area at sites 1044 and 1048. Similar rocks further to the east have been mapped as Nithi Quartz Monzonite (Anderson et al, 1997).

The quartz monzonite exposed at site 1044 is very similar to some coarser grained variations of Nithi Quartz Monzonite found at Nithi Mountain. It is composed of about 12% biotite plus some hornblende, 30% grey quartz, 20% white plaglociase and 35% pink orthoclase. A striking feature of the rock is an abundance of subhedral orthoclase crystals that reach lengths of about 15mm. Most of the other minerals range in size from 3mm to 9mm. It is not certain if the large orthoclase crystals are true megacysts or the upper limit of grain size in a seriate type of texture.

At sites 1044 and 1048, coarse grained granites also occur. These appear to be localized segregations rather than actual granite intrusions. Those at site 1044 are composed entirely of orthoclase prisms up to 6cm long and dark grey interstitial quartz.

As shown in Figure 3, East Sheet, the east Casey-Nithi quartz monzonite boundary would extend easterly from site 1048 then swing southerly to include percussion drill holes 711 and 712 within the Nithi unit.

4.4 WESTERN NITHI QUARTZ MONZONITE

On the west side of the Casey-Nithi contact, quartz monzonites and granites of varying textures and general appearance have been mapped in road excavations. Two areas are involved. The most southerly of these consists of rock exposures clustered along a contact between grey quartz monzonite and dioritic rocks of the Limit Lake sequence. The quartz monzonite here appears as a medium grained (2mm-6mm) grey rock with a slight pinkish tinge due to approximately equal proportions of pale gray plagioclase and pale pink orthoclase. Pink orthoclase megacysts are also present as inconspicuous subhedral prisms up to 2.0cm in length. About 30 % quartz is also present as individual grains and segregations of grains up to 13mm in diameter. Biotite and chloritized hornblende occur as a mafic component often exceeding 10%.

The other area lies to the north within and around the Owl Zone of molybdenite mineralization. The quartz monzonites here are characterized by a deep pink to salmon red orthoclase feldspars and a general medium to coarse grain size of about 2mm to 7mm.

Textures are inequigranular and in coarser grained rocks the quartz is interstitial. In most exposures, the rock has a bleached, crushed appearance with the plagioclase clay altered and the mafics converted to chloritic wisps. In the least altered exposures, the rock resembles the Nithi quartz monzonite at sites 1044 and 1048. These rocks are composed of grey quartz, white plagioclase and red orthoclase in approximately equal amounts, with random red orthoclase megacysts up to 15mm in length.

A perplexing factor in the Owl Zone is the common occurrence of fine grained dark green mafic rock in most surface exposures. Late stage basalt dykes also occur here but can be distinguished by an overall fresh appearance compared to the pervasive chlorite-epidote altered mafic rocks. At this point, the mafic rock is assumed to be large xenoliths of older rock that had been intruded by the quartz monzonite and later granitic dykes.

Quartz monzonite also occurs at sample sites 10840 and 10841 which are considered to be 'windows' through the Ootsa Lake Group cover. These are oxidized and bleached rocks that have characteristics similar to the quartz monzonites to the east at sites 1027 to 1039.

4.5 CASEY QUARTZ MONZONITE

A distinctive granitic rock has been identified within the central part of the map area where it is interpreted to form a core-like pluton intrusive to the older surrounding rock units. Based on a low mafic content, total lack of hornblende and inequigranular texture, it has been classified as Casey Quartz Monzonite.

Most of the Casey rocks occur as fine grained leucocratic granites and quartz monzonites with a grain size of 0.5mm to 1.0 mm and a medium grey, slightly pinkish coloration. Textures appear aplitic in the finest grained rocks but with increased grain size, the inequigranular nature of the rock becomes more evident. Random megacysts of grey quartz and pink orthoclase are common to the fine grained rocks but rare in the medium grained granites. The quartz megacysts can occur as either large grains or as aggregates of smaller grains up to 1.0cm in diameter. The orthoclase megacysts are larger but have corroded borders and in some cases exist only as remanents of pink euhedral crystals. Short lens-like medium to coarse grained segregations of grey quartz and red orthoclase have been noted at sites 1045 and 1053, and are assumed to be a common characteristic of the rock. Dark grey quartz grains also occur and may be a local trait – the grains occur scattered amongst the normal quartz grains and are almost black in appearance.

Medium grained Casey granite occurs in rock exposures at site 710, and in percussion drill hole 710 down to a 50m depth. These are very distinctive rocks coloured by red orthoclase, white to greenish plagioclase and dark gray quartz. Textures are inequigranular with all minerals ranging in grain size from 1mm to 6mm. The composition has been estimated at 35% quartz to 40% orthoclase, and 25% plagioclase, with no mafic minerals. This rock is considered to be a later differentiate of the Casey magma.

4.6 RED GRANITE

A granitic rock that does not fit into either of the Nithi or Casey classifications is exposed at rock exposures of 553, 552, 10764 and 10772. The rock also occurs as dykes in the Owl Zone where it is closely associated with the molybdenite mineralization. At this point, the red granite is considered to be related to the Casey intrusion, possibly as an earlier magmatic differentiate.

In first appearances, the red granite resembles Casey granite but differs from it in pale red colouration and greater mafic content which may exceed 10% and include hornblende. Grain sizes vary from 0.5mm to 2.0mm and textures in finer grained rocks appear equigranular, almost aplitic. In coarser grained samples, textures are inequigranular, with a clustering of quartz grains and a gradation of orthoclase grain size from about 0.5mm to 2.0mm. Commonly present also are remanents of corroded and engulfed red orthoclase megacrysts. The mafic component exists as 2mm to 6mm chloritic patches usually with rounded outlines or, more rarely, prismatic outlines. Some relict biotite shows up as ragged black flakes but the true identity of the dark components is not evident. Overall the rock appears to consist mainly of quartz and orthoclase, with about 20 to 25% plagioclase.

4.7 DYKE ROCKS

Felsite dykes occur within the Owl Zone and along the east side of Skip Creek Valley. The common occurrence of such small intrusions in the very small areas of exposed rock suggest a large number of dykes are present, probably as dyke swarms. The felsites can be readily identified by a pale grey colour, a fine grained texture and, above all, a chalk-like surface appearance. A general similarity with some Ootsa Lake Group tuffs suggest the dykes are of Eocene age. A few dykes of black basalt and grey hornblende porphyry occur with the felsite in both locations and are also considered to be of the Eocence age. None of the above dykes show any sign of sulphide mineralization or quartz veining which is consistent with a supposed post-mineralization age.

The other dyke rocks are pre-mineralization and likely of the early Cretaceous Age. The most important of these are the red granites associated with the Owl Zone quartz-molybdenite vein systems. Beyond the effects of hydrothermal alteration, the dykes are identical to the red granite found in road exposures to the east (see section 4.6). Another dyke rock is a siliceous, pale grey, fine grained to aphanitic alaskite, or quartz porphyry, that commonly occurs in small dykes in the dioritic rock unit. At site 1043, an alaskite dyke contains vein-like segregations of granular grey quartz that have been plastically deformed before the full consolidation of the dyke.

Percussion drill holes 707, 713 and 716 had intersected leucocratic granitic dykes. The exact identity of the dykes has not been established. They do, however, show a strong enrichment in thorium and lanthanum: for example, hole 707 intersected 22.5ppm *Th* and 33ppm *La* over a length of 27.5m (bedrock anomaly thresholds are about 4ppm *Th* and 10ppm *La*).

4.8 OOTSA LAKE GROUP

The high ground at the south western corner of the map area is underlain by a sequence of grey volcanic tuffs and other pyroclastics. The rocks observed were pale grey tuffs of probable rhyolite to dacite composition. Within the claim area, these volcanic rocks are considered to form a thin cover over the older rocks. As such, they mark the present position of a pre-Eocence erosion surface.

5.0 GEOCHEMICAL SURVEY

5.1 INTRODUCTION

The geochemical survey involved the collection and assaying of both soil and rock. For the most part, it was done in conjunction with the geological traverses. A total of 45 soils were taken for assaying. At each sample site, the location was marked by a ribbon, fixed by GPS and field notes were taken. For the sand covered areas, and for places of difficult sampling, an auger was used which was capable of reaching a 1.0m depth. Rock samples were taken at each rock exposure – of these, 15 were selected for assaying mainly to determine the metal geochemistry of certain rock types and quartz vein systems.

The geochemical survey had two purposes. One was to search directly for molybdenum mineralization. The other was to determine the distribution of the other ore-forming minerals that are believed to be peripheral to the main molybdenite body.

The soil and rock samples were sent to Acme Analytical Laboratories of Vancouver for assaying. Sample preparation for the soils involved sieving the dried samples to -80 mesh, followed by digestion of 0.5qm samples in hot aqua regia. The solution was then diluted and 37 elements were determined by ICP-MS analysis. Sample preparations of the rocks involved crushing and splitting the sample and pulverizing 250gm to 200 mesh. A test weight of 0.5qm was then taken for aqua regia digestion. This was followed by the determination of 37 elements by ICP-MS analysis. Particulars on the laboratory work are provided with the assay results in the Appendix of this report.

The soil locations and assay results are shown on two adjoining 1:10 000 scale geochemical maps which are the East and West sheets of Figure 4. All molybdenum assays are reported, but of the other pertinent metals only the anomalies have been reported. Anomaly threshold values for these elements are as follows: 60ppm *La,* 150ppm *Cu,* 200ppm *Zn,* 60ppm *Pb,* 2.0 ppm *Ag* and 3ppm *Bi.* The threshold number for molybdenum on the Skip property may be as low as 10ppm. This becomes apparent in comparisons between soil assays and nearby percussion drill hole assays. Soil samples 10778 to 10780 for example, averaged 11pm *Mo,* but the underlying 3.0m of leached bedrock averaged about 45ppm *Mo* in the drill intersections.

5.2 SOIL RESULTS AND INTERPRETATIONS

The soil sampling began with the geological work near the southern boundary of the property (sample sequence 1027 to 1038). Soil sample 1031 gave the most interesting results – 28.1ppm *Mo,* 180.6ppm *Cu* and 12.2ppm *Bi.* The sample was taken close to bedrock. It may have been caused by the pyrite mineralization that occurs in the underlying quartz monzonite and diorite. Aside from the 10ppm *Mo* in sample 1028, the other molybdenum results here are not encouraging. The very anomalous 79ppm *La* in 1030, 293ppm *La* in 1036, 219ppm *La* in 1037 are not easily explained, other than to suppose a monazite source mineral is present in the felsite dykes or late stage granite dykes.

Samples 10764 to 10771 were collected along a logging area on a hillside above percussion drill holes 702 to 704. The underlying geology is mainly dioritic but probably includes the red granite intersected in the drill holes and exposed along the main road. Sample 10767 gave only 5.6 ppm *Mo* but the others were marginally anomalous in molybdenum. Of the most interest was the sample 10766 with 14.9ppm *Mo,* 188.6ppm *Cu,* 3.7ppm *Bi* and 79ppm *La.* It was taken in a stream bed but close to a bedrock source. Similarities with sample 1031 are of interest, particularly in regards to bismuth.

The most critical work took place to the north with sample sequences 10722 to 10783, 10828 to 10839 and 1044 to 1050. This area covers the northern third of the Gel I.P. Zone and also lies along the logical northwest extension of molybdenite mineralization indicated in percussion drill holes 701 to 706. The underlying geology is interpreted to be a mix of Casey quartz monzonite, red granite and late stage granite dykes, including Eocene felsite dykes. Samples 10772 to 10783 were taken from immature soils developed over rocky till and colluvium. The common occurrence of angular rock fragments suggest nearby bedrock sources. In contrast, the remaining samples were collected at lower elevations within an area that had been covered in numerous places by thick accumulations of sandy outwash. To overcome the sand problem, deep samples were taken by auger in places where the sand appeared relatively thin – for example, in wet depressions or within places strewn with angular rock fragments. In the latter case, sample selection was greatly helped by the surface disruption caused by earlier excavator-assisted tree planting operations.

A large number of anomalies were discovered in this most critical area. Of a total population of 26 samples, copper averaged 296ppm with a median of 221ppm and a range of 20.4ppm to 1238ppm. Zinc averaged 349.4ppm with a median of 279ppm and a range of 60 to 1924ppm. The molybdenum distribution was more subdued with an average of 18.9ppm, a median of 14.4ppm and a range of 4.6ppm to 61.8ppm. There were anomalies in other metals as well, but most revealing was the fact that over 50% of the copper and zinc anomalies were high enough to indicate nearby chalcopyrite and sphalerite mineralization. A key sample in this regard may be 10774, which was taken near an exposure of bleached, sheared and pyrite-mineralized red granite. Its metal content of 1238 *Cu*, 1924ppm *Zn*, 173.4 *Pb*, 5.6 *Ag*, 4.4ppm *Bi* and 34.5ppm *Mo* can be translated as a chalcopyrite-spalerite ore type with minor galena and silver. The molybdenum present here, and possibly also the bismuth, can be regarded as a remanent of the higher temperature molybdenite phase outlined in the percussion drilling. In other words, the copper-zinc-minor lead anomaly has been caused by mineralization peripheral to a larger molybdenite body. The total soil anomaly can be viewed from this perspective, with an eastward glacial flow dispersion as an added interpretative factor.

Lanthanum anomalies are also present within this multi-element anomaly and, in a general way, correlate with the copper-zinc concentrations; for example, 252ppm *La* occurs in sample 10774 with the highest copper and zinc. Most likely, the relationship between lanthanum and the chalcophile elements is due to a common structural system that brought the sulphides and late stage dykes into juxtaposition.

As shown in Figure 4, there were also four soil samples taken well beyond the above sampling areas. Only sample 1041 was anomalous with 21.4ppm *Mo* and 224.1 *Cu*. It was a C-horizon soil taken near outcrops of Limit Lake diorite. More sampling is required here. Samples 1046 and 1047 were C-horizon soils taken near outcrops of clay altered Casey quartz monzonite. Sample 1054 was a grey silt taken at 0.35m depth in a small drainage course. The 5.8ppm *Mo* found in the sample indicates previous anomalies found here in surface silts did not extend to depth – they appear now to be of hydromorphic origin with a distant source area.

5.3 ROCK RESULTS AND INTERPRETATION

Between July 2nd and 4th, the total rock collection was examined and 15 samples were selected for assaying. The rocks were identified by assay numbers which ranged from 2901 to 2915, and by a sample site number which indicated the place of collection. The rock sample locations are shown in Figure 4 by a triangle symbol next to the sample site number. The molybdenum assay result is also shown with each respective assay number plus any anomalies in the other elements, as was done with the soil samples. Listed below are the assay numbers and corresponding sample site numbers (in brackets), followed by pertinent information on geology, mineralogy and assay results.

2901 (1029): bluish carbonate vein in clay altered felsite dyke; a large trace of strontium is indicated but no significant metals.

2902 (1028): bleached greenstone with disseminated pyrite and veinlets of massive pyrite. The 18.5ppm *Mo* assay is definitely anomalous, the 2.8ppm *Bi* and 98ppm *Cu* are of interest because soil sample 1031 is anomalous in all three elements.

2903 and 2904(1045): pale grey, clay altered Casey granite with manganese oxide staining on shear planes. The 140.3ppm *Mo* anomaly in 2903 is due to random blebs of molybdenite. The 32.3ppm mo and 9.9ppm *Bi* in 2904 may also be due to finely disseminated mineralization. But the very anomalous 24.6ppm *Th* in 2903, and 25.9ppm *Th* in 2904 was not expected. Since thorium and lanthanum anomalies occur together in holes 707, 713 and 716, this type of rock may also be the source of lanthanum anomalies in other places.

2905 (1049): a fresh Casey quartz monzonite that was cut but two hairline quartz-molybdenite veinlets. The 851.0ppm *Mo* assay was higher than expected.

2906(1053): a pale grey quartz porphyry (Casey?) with manganese oxide staining on shear planes. It is marginally anomalous with 11.7ppm *Mo* but remarkably barren in other metals.

2907(1063): a red granite dyke, 'crushed' and 'healed' by chloritic stockworks – apparently barren of metals.

2908 (10772): red granite with disseminated pyrite, hairline pyrite veinlets and a 2cm wide quartz vein. The only anomaly is 4.3ppm *Bi*. The assays are surprisingly barren compared to soil sample 10772.

2909 (1058): a 5.0cm quartz-molybdenite vein in a bleached red granite dyke that had been intersected about 20m to the north by pdh 714. The >2000ppm *Mo* is higher than expected.

2910(1058): a massive pale grey, slightly greenish alteration rock of hardness 5-6 with wispy bluish veinlets – also seen at 1055 with molybdenite blebs. The 1384ppm *Mo* is much higher than expected.

2911(1062): within a few metres of pdh718 – a red granite dyke with 'dry' facture coatings of specularite hematite. The 19ppm *Mo*, although anomalous, provides no indication of the specularite being associated with the molybdenite.

2912 (1062): same location – a large sample of greenstone with short quartz veins, mineralized by coarse molybdenite and bordered by irregular bands of red orthoclase alteration. The 1289ppm *Mo* was as expected. Of note is the anomalously low concentration of copper, lead or zinc with the molybdenum reported in samples 2909 to 2912.

2913, 2914 and 2915(1030): a large sample of pyrite mineralization in clay altered greenstone. The pyrite occurs as disseminations and 'dry' fracture fillings. The very high 145.5ppm *As* and 155.7ppm *As* may represent a higher temperature phase of the sulphide system.

6.0 STATEMENT OF COSTS 2010

FIELD WORK

G.D. Bysouth: 4 days @ $500/day; June 26th-28th, Oct 1st	$2000.00
G.W. Kurz: 6 days @ $350/day; June 26th-28th, July 11th-12th, Oct 1st	$2100.00

TRANSPORTATION

4x4: 6 days @ $50/day	$300.00

ASSAY COSTS

Acme Analytical Lab:	Sept 21st Soil Invoice	613.54	
	Sept 21st Rock Invoice	360.36	
	Nov 1st Soil Invoice (12 samples x 18.60)	223.32	
	Misc Fee	9.50	
			$1206.60

ROCK SAMPLE EXAMINATION

G.D. Bysouth, Binocular Microscope Exam, July 2nd-4th	$600.00

REPORT PREPARATION

G. D. Bysouth, 10 days	$2000.00

MISCELLANEOUS COSTS

(includes sample prep., copying, sample transportation, supplies, phone calls, etc)	$300.00
TOTAL COST:	$8506.00

COST APPORTATION

Geological Survey	$3900
Geochemical Survey	$4606

7.0 CONCLUSIONS

1. The Gel Zone molybdenite mineralization lies within a contact area between Limit Lake dioritic rocks and at least two granitic rock types. At this point, the granitic rocks are known only in the form of drill hole rock chips, but similarities between the chips and red granite surface rocks suggest that the red granite is the dominant granitic rock. In turn, the red granite is interpreted to be a more potassic phase of the Casey intrusion.
2. The Owl Zone molybdenite mineralization occurs within a host of red granite dykes, mafic xenoliths and Nithi quartz monzonites. The overall structure setting is similar to that of the major ore zones of Nithi Mountain (in both locations, the molybdenite occurs in Nithi quartz monzonite and later dykes, less than a kilometre from the western Casey intrusive boundary).
3. Two modes of hydrothermal alteration have been recognized. The most notable involves red orthoclase feldspar replacements of original feldspar along quartz veins and within certain shear zones. The other has been described as 'bleaching' in the field notes. It is interpreted to be a replacement of original rock constituents by fine grained quartz and sericite. It is commonly associated with pyrite mineralization.
4. A band of polymetallic sulphide mineralization has been indicated by soil sample results along the western boundary of the Gel Zone. The mineral assemblage also includes molybdenite, the proportion of which increases eastward with the reduction of the other sulphides. A similar peripheral mineral assemblage appears to exist along the west side of the Owl molybdenite mineralization.
5. Peripheral sulphides, abundant mafic xenoliths and Eocene cover rocks suggest the Skip property lies at a higher geological level than the Nithi Mountain area. This can be explained by a block faulting concept which places the southside of the Nithi valley into the down-faulted block relative to the north side.
6. The likely source of the Lanthanum and Thorium soil anomalies are leucocratic granitic dykes whith may have monazite and other phosphates as accessory minerals.

Garry D. Bysouth
Geologist

REFERENCES

Carr, J.M., 1966. Geology of the Endako area, BC. BC Minister of Mines and Petroleum, Resources, Annual Report 1965, p. 114-135.

Shepard, N., and Barker, G.A., 1967. Geochemical Report on the Counts Lake Property. BC Assessment Report No. 1108; for Amax Exploration Inc.

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Brown, D.L., 1968. Geochemical Survey of the Owl Claim Group. BC Assessment Report No.1002; for Anaconda American Brass Ltd.

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Kimura, E.T., Bysouth, G.D., Cyr, J., Buckley, P., 1980. Placer Dome Inc., Internal Reports and Maps.

Anderson, R.G., L'Heureux, R., Wetherup, S., and Letwin, J.M., 1997: Geology of the Hallet Lake Map Area, central British Columbia. Current Research 1997-A; Geological Survey of Canada.

Bysouth, G.D., 2006. Geochemical survey Report on the Skip Claim Group. B.C. Assessment Report.

Bysouth, G.D., 2008. Percussion Drilling Report on the Skip Mineral Property. B.C. Assessment Report.

APPENDIX A

Statement of Qualifications - G. D. Bysouth

I, Garry D. Bysouth, of Boswell, British Columbia, do certify that:

1. I am a geologist.
2. I am a graduate of the University of British Columbia with a B.Sc. Degree in Geology (1966).
3. From 1966 to the present I have been engaged in mining and exploration geology in British Columbia.
4. For this report, I have done the geological field work, supervised the geochemical sampling and interpreted the geological and geochemical results.

Garry D. Bysouth

Geologist

APPENDIX B

Statement of Qualifications - G. W. Kurz

I, Gary W. Kurz, of Fraser Lake, British Columbia, do certify that:

1. I am an engineering technologist with 29 years experience in open pit mining as a surveyor, environmental co-ordinator, geological field assistant, and surveyor-drilling-blasting supervisor.

2. I have successfully completed a prospectors' course put on by Ed Kimura of Endako Mines in 1971.

3. I have been engaged in prospecting activities over the past 40 years and have held mineral claims in the Coquihalla, Fraser Lake, Cedarville and Terrace areas.

4. I have done the geochemical field work required for this report.

For

Gary W. Kurz

Prospector

APPENDIX C

Acme Labs Assay Report

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East
Vancouver, BC Canada V6A 4A3
Phone 604 253 3158 Fax 604 253 1716
GST # 843013921 RT

AcmeLabs

Invoice Date: September 21, 2010
Invoice Number: **VANI059293**
Submitted by: Garry D. Bysouth
Job Number: VAN10004630
Order Number:
Project Code: None Given
Shipment ID:
Quote Number:

Bill To: Bysouth, Garry D.
C-21, S-6, R.R. 1
Boswell, BC V0B 1A0
Canada

Item	Package	Description	Sample No.	Unit Price	Amount
1	R200-250	Crush and Pulverize 250 g	15	$6.85	$102.75
2	1DX1	0.5 g Aqua Regia Digestion ICP-MS	15	$14.25	$213.75
3	DIS-PLP	Warehouse disposition of pulps	15	$0.10	$1.50
4	DIS-RJT	Warehouse disposition of reject	15	$0.25	$3.75
			Net Total		$321.75
			BC HST		$38.61
			Grand Total	**CAD**	**$360.36**

Invoice Stated In Canadian Dollars

Payment Terms:

This is a professional service. Payment due upon receipt. Please pay the last amount shown on the invoice.

For cheque payments, please remit payment to the above address, made payable to: Acme Analytical Laboratories (Vancouver) Ltd.
Please specify Acme invoice number on cheque remittance.

For electronic payments, please wire funds to one of the following accounts:

For payment in Canadian Funds:
Acme Analytical Laboratories (Vancouver) Ltd.
HSBC
885 West Georgia St
Vancouver, BC Canada V6C 3G1
Account # 428755-001
Bank Transit # 10270-016
Swift Code: HKBCCATT

For payment in US Funds:
Acme Analytical Laboratories (Vancouver) Ltd.
HSBC
885 West Georgia St
Vancouver, BC Canada V6C 3G1
Account # 428755-070
Bank Transit # 10270-016
Swift Code: HKBCCATT

Please specify Acme invoice number for reference on transfer forms when making payment.

Skip

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East
Vancouver, BC Canada V6A 4A3
Phone 604 253 3158 Fax 604 253 1716
GST # 843013921 RT

AcmeLabs

Invoice Date: September 21, 2010
Invoice Number: **VANI059273**
Submitted by: Garry D. Bysouth
Job Number: VAN10004629
Order Number:
Project Code: None Given
Shipment ID:
Quote Number:

Bill To: Bysouth, Garry D.
C-21, S-6, R.R. 1
Boswell, BC V0B 1A0
Canada

Item	Package	Description	Sample No.	Unit Price	Amount
1	SS80	Sieve 100g soil to -80 mesh	33	$2.25	$74.25
2	1DX1	0.5 g Aqua Regia Digestion ICP-MS	33	$14.25	$470.25
3	DIS-PLP	Warehouse disposition of pulps	33	$0.10	$3.30
			Net Total		$547.80
			BC HST		$65.74
			Grand Total	CAD	**$613.54**

Invoice Stated In Canadian Dollars

Payment Terms:

This is a professional service. Payment due upon receipt. Please pay the last amount shown on the invoice.

For cheque payments, please remit payment to the above address, made payable to: Acme Analytical Laboratories (Vancouver) Ltd.
Please specify Acme invoice number on cheque remittance.

For electronic payments, please wire funds to one of the following accounts:

For payment in Canadian Funds:
Acme Analytical Laboratories (Vancouver) Ltd.
HSBC
885 West Georgia St
Vancouver, BC Canada V6C 3G1
Account # 428755-001
Bank Transit # 10270-016
Swift Code: HKBCCATT

For payment in US Funds:
Acme Analytical Laboratories (Vancouver) Ltd.
HSBC
885 West Georgia St
Vancouver, BC Canada V6C 3G1
Account # 428755-070
Bank Transit # 10270-016
Swift Code: HKBCCATT

Paid by Cheque 9602

Please specify Acme invoice number for reference on transfer forms when making payment.

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East
Vancouver, BC Canada V6A 4A3
Phone 604 253 3158 Fax 604 253 1716
GST # 843013921 RT

Invoice Date:	November 2, 2010
Invoice Number:	**VANI063477**
Submitted by:	Garry D. Bysouth
Job Number:	VAN10005469
Order Number:	
Project Code:	Carlson
Shipment ID:	
Quote Number:	

Bill To: Bysouth, Garry D.
C-21, S-6, R.R. 1
Boswell, BC V0B 1A0
Canada

Item	Package	Description	Sample No.	Unit Price	Amount
1	SS80	Sieve 100g soil to -80 mesh	46	$2.25	$103.50
2	1DX1	0.5 g Aqua Regia Digestion ICP-MS	46	$14.25	$655.50
3	DIS-PLP	Warehouse disposition of pulps	46	$0.10	$4.60
			Net Total		$763.60
			BC HST		$91.63
			Grand Total	CAD	**$855.23**

Invoice Stated In Canadian Dollars

For Skip
$ 18.60 per sample x 12 =
$ 223.32

Payment Terms:

This is a professional service. Payment due upon receipt. Please pay the last amount shown on the invoice.

For cheque payments, please remit payment to the above address, made payable to: Acme Analytical Laboratories (Vancouver) Ltd.
Please specify Acme invoice number on cheque remittance.

For electronic payments, please wire funds to one of the following accounts:

For payment in Canadian Funds:
Acme Analytical Laboratories (Vancouver) Ltd.
HSBC
885 West Georgia St
Vancouver, BC Canada V6C 3G1
Account # 428755-001
Bank Transit # 10270-016
Swift Code: HKBCCATT

For payment in US Funds:
Acme Analytical Laboratories (Vancouver) Ltd.
HSBC
885 West Georgia St
Vancouver, BC Canada V6C 3G1
Account # 428755-070
Bank Transit # 10270-016
Swift Code: HKBCCATT

N.A.

Please specify Acme invoice number for reference on transfer forms when making payment.

Adjustment: 34 samples claimed
18.60/sample x 34 = $ 632.13

AcmeLabs

CUSTOMER STATEMENT		
ACCOUNT NO.	CCLAS CODE	DATE
C000296	BYSOUTH	10/1/2010

CUSTOMER

Bysouth, Garry D.
C-21, S-6, R.R. 1
Boswell British Columbia V0B 1A0
Canada

REMIT TO

Acme Analytical Laboratories (Vancouver) Ltd.
1020 E Cordova Street
Vancouver BC V6A 4A3
CANADA

Phone: 604-253-3158
Fax: 778-329-9729

REF	INVOICE	JOB	PROJECT	DOC DATE	DAYS O.D.	CUR	AMOUNT	BALANCE
IN 9310	VANI059293	VAN10004630	NONE_GIVEN	09/21/2010	10	CAD	360.36	9.58

Total Balance Due in CAD 9.58

For cheque payments, please remit payment to the above address, made payable to:
Acme Analytical Laboratories (Vancouver) Ltd.
Please specify Acme invoice number on cheque remittance.
For electronic payments, please wire funds to one of the following accounts:

Pay by Cheque 406
2010/10/14

For payment in Canadian Funds:
Acme Analytical Laboratories (Vancouver) Ltd.
HSBC
885 West Georgia St
Vancouver BC Canada V6C 3G1
Account # 428755-001
Bank Transit # 10270-016
Swift Code: HKBCCATT

For payment in US Funds:
Acme Analytical Laboratories (Vancouver) Ltd.
HSBC
885 West Georgia St
Vancouver BC Canada V6C 3G1
Account # 428755-070
Bank Transit # 10270-016
Swift Code: HKBCCATT

Please specify Acme invoice number for reference on transfer forms when making payment.

Skip

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

www.acmelab.com

Client: **Bysouth, Garry D.**
C-21, S-6, R.R. 1
Boswell BC V0B 1A0 Canada

Submitted By: Garry D. Bysouth
Receiving Lab: Canada-Vancouver
Received: September 13, 2010
Report Date: September 21, 2010

CERTIFICATE OF ANALYSIS VAN10004629.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number
Number of Samples: 33

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	33	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	33	Dry at 60C			VAN
1DX1	33	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Bysouth, Garry D.
C-21, S-6, R.R. 1
Boswell BC V0B 1A0
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.

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

www.acmelab.com

Client: **Bysouth, Garry D.**
C-21, S-6, R.R. 1
Boswell BC V0B 1A0 Canada

Project: None Given

Report Date: September 21, 2010

QUALITY CONTROL REPORT VAN10004629.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
10772	Soil	21.8	71.1	41.3	93	0.3	8.9	5.4	431	1.96	1.9	1.7	5.6	2.4	36	0.2	0.2	0.7	41	0.38	0.028
REP 10772	QC	21.8	69.5	42.5	96	0.4	9.6	5.3	434	1.99	1.8	1.6	5.9	2.4	36	0.2	0.1	0.7	42	0.37	0.028
Reference Materials																					
STD DS7	Standard	28.0	118.4	75.6	423	1.0	60.2	10.7	699	2.68	56.1	5.0	60.0	4.8	88	6.5	4.6	6.0	93	1.09	0.085
STD OREAS45PA	Standard	1.1	640.2	20.5	122	0.3	311.3	114.5	1179	17.60	4.3	1.3	43.0	7.3	17	0.2	0.1	0.2	217	0.25	0.037
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93	0.08
STD OREAS45PA Expected		0.9	600	19	119	0.3	281	104	1130	16.559	4.2	1.2	43	6	14	0.09	0.13	0.18	221	0.2411	0.034
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001

AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada
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Client: **Bysouth, Garry D.**
C-21, S-6, R.R. 1
Boswell BC V0B 1A0 Canada

Project: None Given

Report Date: September 21, 2010

QUALITY CONTROL REPORT VAN10004629.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
10772	Soil	18	15	0.35	89	0.047	<20	1.47	0.013	0.05	<0.1	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2
REP 10772	QC	19	15	0.35	88	0.043	<20	1.48	0.012	0.05	<0.1	0.01	2.2	<0.1	<0.05	5	<0.5	0.3
Reference Materials																		
STD DS7	Standard	14	208	1.16	419	0.139	38	1.17	0.111	0.51	3.1	0.22	2.5	4.4	0.22	6	3.9	1.5
STD OREAS45PA	Standard	17	816	0.12	182	0.135	<20	3.66	0.011	0.08	<0.1	0.03	43.7	<0.1	<0.05	17	<0.5	<0.2
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
STD OREAS45PA Expected		16.2	873	0.095	187	0.124		3.34	0.011	0.0665	0.011	0.03	43	0.07	0.03	16.8	0.54	
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Phone (604) 253-3158 Fax (604) 253-1716
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Skip

Client: **Bysouth, Garry D.**
C-21, S-6, R.R. 1
Boswell BC V0B 1A0 Canada

Project: None Given
Report Date: September 21, 2010

CERTIFICATE OF ANALYSIS VAN10004629.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1027	Soil	5.5	18.3	18.4	62	0.4	6.7	6.6	458	2.57	3.0	0.8	3.0	2.4	39	0.2	0.4	0.2	63	0.30	0.068
1028	Soil	11.0	26.5	18.1	55	0.4	6.2	6.2	316	2.25	2.8	0.7	2.5	2.6	20	0.1	0.3	0.2	45	0.22	0.108
1029	Soil	8.0	56.1	23.5	58	0.7	5.0	4.7	316	2.24	1.4	1.1	1.5	1.9	25	0.3	0.2	0.3	52	0.28	0.028
1030	Soil	2.2	34.0	29.4	76	0.6	8.1	8.1	643	2.46	2.7	2.2	3.2	4.2	51	0.1	0.2	0.3	45	0.83	0.068
1031	Soil	28.4	186.6	23.9	41	1.8	24.8	16.7	987	4.88	2.9	2.9	2.8	3.4	123	<0.1	1.4	12.2	106	0.69	0.124
1035	Soil	7.1	24.4	24.2	62	<0.1	5.3	6.2	739	3.19	4.4	1.8	1.4	5.7	24	<0.1	0.7	0.8	53	0.31	0.085
1036	Soil	5.6	107.1	28.8	91	1.4	13.0	9.2	1561	2.95	4.0	31.2	2.9	6.1	55	0.3	0.3	0.9	51	0.96	0.060
1037	Soil	5.8	128.9	23.0	64	2.4	15.4	8.6	1398	2.72	3.1	18.3	3.8	4.3	123	0.9	0.4	0.9	49	1.88	0.139
1038	Soil	3.0	18.7	27.6	51	<0.1	5.5	5.1	534	1.94	2.1	2.5	1.3	3.8	39	<0.1	0.2	0.3	44	0.49	0.058
1041	Soil	21.4	224.1	5.5	173	0.7	13.6	22.8	1955	5.22	1.3	1.5	1.0	2.5	51	1.6	<0.1	0.3	136	1.03	0.119
1046	Soil	5.0	8.1	7.6	70	0.1	17.0	6.5	382	2.22	3.3	0.4	1.9	1.7	31	0.2	0.2	0.1	49	0.23	0.152
1047	Soil	5.4	8.0	9.4	70	<0.1	16.5	6.1	296	2.13	3.4	0.6	2.1	2.1	24	<0.1	0.2	0.2	49	0.20	0.104
1049	Soil	25.0	314.8	30.8	279	0.8	10.0	6.3	419	2.25	2.5	8.7	1.9	2.4	65	0.7	0.3	0.9	42	0.51	0.036
1050	Soil	18.9	763.7	64.0	522	1.9	11.8	5.5	1399	1.81	1.9	21.9	4.0	1.8	111	4.4	0.5	0.9	31	1.84	0.080
1054	Soil	5.8	41.0	21.9	110	0.4	5.9	3.3	299	1.01	0.6	10.8	0.9	2.7	42	0.4	0.1	0.9	23	0.31	0.025
10764	Soil	11.2	54.2	49.2	70	0.3	5.4	6.6	710	2.38	2.0	2.6	2.3	4.3	65	0.2	0.6	3.1	39	0.38	0.063
10766	Soil	14.9	188.6	41.5	131	2.6	14.6	8.9	1243	3.11	2.6	20.0	1.0	3.3	103	1.0	0.3	3.7	55	1.06	0.076
10767	Soil	5.9	120.4	15.3	79	0.2	7.1	4.7	383	1.89	1.5	1.9	1.7	2.0	42	0.3	0.2	1.4	39	0.55	0.053
10768	Soil	9.5	136.3	17.4	67	1.1	9.3	5.7	464	1.83	1.6	3.8	2.7	1.4	47	0.3	0.2	1.0	39	0.58	0.033
10769	Soil	10.0	107.8	29.2	97	0.8	10.9	7.6	1207	2.21	1.8	3.9	1.9	1.6	47	0.5	0.3	1.2	46	0.71	0.056
10771	Soil	8.9	66.6	22.2	67	0.6	8.3	6.0	624	2.03	2.1	3.1	2.5	3.5	36	0.3	0.2	1.4	42	0.41	0.035
10772	Soil	21.8	71.1	41.3	93	0.3	8.9	5.4	431	1.96	1.9	1.7	5.6	2.4	36	0.2	0.2	0.7	41	0.38	0.028
10773	Soil	14.6	229.9	39.3	316	1.3	10.7	6.0	708	2.24	1.7	5.0	6.4	3.4	47	0.6	0.3	2.1	39	0.48	0.035
10774	Soil	34.5	1238	173.4	1924	5.6	19.9	12.9	1564	3.66	3.3	22.1	4.2	8.5	101	6.5	0.3	4.4	54	0.98	0.064
10775	Soil	9.7	92.2	45.5	313	0.6	7.5	6.1	449	2.09	1.4	3.3	2.3	3.0	57	0.4	0.3	0.9	41	0.35	0.031
10776	Soil	5.1	34.6	18.8	68	0.2	5.4	4.4	348	1.70	1.0	2.0	1.8	2.3	34	0.2	0.2	0.7	36	0.33	0.033
10777	Soil	4.6	20.4	16.0	60	0.3	4.3	3.8	266	1.41	1.1	1.6	0.9	0.7	49	0.3	0.2	0.7	32	0.73	0.051
10778	Soil	10.2	58.9	27.2	82	0.3	11.1	8.4	529	2.42	1.7	4.2	4.6	1.8	58	0.2	0.4	0.9	54	0.54	0.077
10779	Soil	9.2	99.3	35.3	87	0.9	6.3	4.7	371	1.80	2.0	4.3	2.2	1.2	52	0.6	0.3	0.8	36	0.49	0.041
10780	Soil	13.0	76.2	25.5	113	0.3	8.6	6.0	399	2.21	2.2	3.8	2.0	3.3	45	0.3	0.3	0.4	49	0.42	0.029

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Client: **Bysouth, Garry D.**
C-21, S-6, R.R. 1
Boswell BC V0B 1A0 Canada

Project: None Given
Report Date: September 21, 2010

CERTIFICATE OF ANALYSIS VAN10004629.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1027	Soil	10	12	0.50	62	0.054	<20	1.59	0.007	0.04	0.2	0.01	2.2	<0.1	<0.05	6	<0.5	<0.2
1028	Soil	9	12	0.35	68	0.047	<20	1.77	0.006	0.05	0.1	0.03	1.7	<0.1	<0.05	5	<0.5	<0.2
1029	Soil	14	12	0.32	43	0.065	<20	1.37	0.007	0.04	<0.1	0.02	1.9	<0.1	<0.05	6	<0.5	<0.2
1030	Soil	79	16	0.61	92	0.032	<20	2.23	0.014	0.10	<0.1	0.04	4.5	0.1	<0.05	6	<0.5	<0.2
1031	Soil	46	35	1.28	160	0.004	<20	2.62	0.008	0.08	2.1	0.02	7.9	<0.1	0.10	9	<0.5	0.7
1035	Soil	29	11	0.63	57	0.022	<20	1.67	0.008	0.05	0.1	0.02	2.6	<0.1	<0.05	7	<0.5	<0.2
1036	Soil	293	18	0.64	149	0.013	<20	3.14	0.014	0.14	<0.1	0.06	5.4	0.2	<0.05	9	0.6	<0.2
1037	Soil	219	29	0.60	159	0.010	<20	2.81	0.018	0.08	0.1	0.13	8.3	0.2	0.09	7	0.6	<0.2
1038	Soil	32	11	0.45	61	0.060	<20	1.31	0.017	0.08	0.1	0.01	2.5	<0.1	<0.05	5	<0.5	<0.2
1041	Soil	31	15	1.34	61	0.211	<20	1.95	0.009	0.06	6.6	0.02	3.7	<0.1	<0.05	9	<0.5	<0.2
1046	Soil	7	18	0.28	99	0.069	<20	1.45	0.008	0.07	<0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
1047	Soil	6	17	0.28	114	0.064	<20	1.55	0.010	0.08	<0.1	0.02	2.0	<0.1	<0.05	4	<0.5	<0.2
1049	Soil	51	16	0.39	87	0.030	<20	1.38	0.010	0.06	0.1	0.03	3.9	<0.1	<0.05	5	0.5	0.3
1050	Soil	123	15	0.28	140	0.018	<20	1.36	0.013	0.05	0.1	0.08	5.5	0.2	0.07	4	1.9	<0.2
1054	Soil	19	11	0.28	49	0.040	<20	0.97	0.011	0.05	0.1	0.01	2.0	<0.1	<0.05	3	<0.5	<0.2
10764	Soil	18	10	0.55	92	0.022	<20	1.11	0.012	0.08	0.2	0.01	2.4	<0.1	<0.05	5	<0.5	<0.2
10766	Soil	79	21	0.67	183	0.022	<20	2.71	0.014	0.12	0.2	0.07	6.0	0.2	<0.05	8	1.0	<0.2
10787	Soil	19	15	0.38	61	0.047	<20	0.97	0.016	0.05	0.3	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
10768	Soil	30	19	0.43	87	0.055	<20	1.31	0.013	0.05	0.2	0.03	2.8	<0.1	<0.05	5	0.5	<0.2
10769	Soil	25	22	0.47	76	0.044	<20	1.40	0.013	0.06	0.2	0.04	3.1	0.1	<0.05	5	<0.5	<0.2
10771	Soil	24	14	0.44	80	0.048	<20	1.48	0.012	0.06	0.1	0.02	3.3	0.1	<0.05	5	0.7	<0.2
10772	Soil	18	15	0.35	89	0.047	<20	1.47	0.013	0.05	<0.1	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2
10773	Soil	45	15	0.43	146	0.035	<20	1.62	0.016	0.08	0.1	0.02	6.0	0.1	<0.05	5	<0.5	<0.2
10774	Soil	252	22	0.80	373	0.012	<20	3.51	0.014	0.17	<0.1	0.06	13.4	0.2	<0.05	10	0.5	0.5
10775	Soil	22	13	0.41	95	0.044	<20	1.13	0.014	0.08	0.1	0.01	2.8	<0.1	<0.05	4	<0.5	<0.2
10776	Soil	15	10	0.32	71	0.054	<20	0.90	0.014	0.05	0.1	<0.01	2.0	<0.1	<0.05	3	<0.5	<0.2
10777	Soil	7	10	0.22	52	0.030	<20	0.87	0.010	0.03	0.3	0.03	1.1	<0.1	<0.05	4	<0.5	<0.2
10778	Soil	19	31	0.72	66	0.039	<20	1.25	0.012	0.05	0.2	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2
10779	Soil	28	11	0.35	72	0.028	<20	1.10	0.012	0.04	0.2	0.03	2.4	<0.1	<0.05	4	<0.5	<0.2
10780	Soil	25	17	0.39	110	0.082	<20	1.29	0.017	0.05	<0.1	0.02	3.4	<0.1	<0.05	4	<0.5	<0.2

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Client: **Bysouth, Garry D.**
C-21, S-6, R.R. 1
Boswell BC V0B 1A0 Canada

Project: None Given
Report Date: September 21, 2010

CERTIFICATE OF ANALYSIS VAN10004629.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
10781	Soil	14.2	212.4	35.3	189	0.9	10.9	6.4	674	2.46	2.1	11.6	1.6	2.4	60	1.0	0.3	1.2	49	0.65	0.043
10782	Soil	16.2	386.9	82.0	279	2.8	13.0	7.7	893	2.68	2.6	27.6	2.5	4.2	96	1.0	0.3	2.0	47	0.88	0.082
10783	Soil	11.9	329.7	41.0	242	1.6	9.9	6.8	574	2.03	1.9	20.9	1.5	1.8	98	1.2	0.3	1.2	41	1.07	0.090

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Project: None Given
Report Date: September 21, 2010

CERTIFICATE OF ANALYSIS VAN10004629.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
10781	Soil	57	19	0.43	101	0.041	<20	1.59	0.015	0.05	1.0	0.03	3.5	<0.1	<0.05	5	<0.5	<0.2
10782	Soil	129	13	0.52	195	0.019	<20	1.97	0.014	0.09	0.1	0.08	11.4	0.1	<0.05	6	0.8	<0.2
10783	Soil	95	18	0.50	137	0.034	<20	1.42	0.016	0.07	0.2	0.05	5.0	<0.1	<0.05	5	0.9	<0.2

S+ip

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Client:	**Bysouth, Garry D.** C-21, S-6, R.R. 1 Boswell BC V0B 1A0 Canada
Submitted By:	Garry D. Bysouth
Receiving Lab:	Canada-Vancouver
Received:	September 13, 2010
Report Date:	September 24, 2010
Page:	1 of 2

CERTIFICATE OF ANALYSIS VAN10004630.1

CLIENT JOB INFORMATION

Project:	None Given
Shipment ID:	
P.O. Number	
Number of Samples:	15

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	15	Crush, split and pulverize 250 g rock to 200 mesh			VAN
1DX1	15	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

SAMPLE DISPOSAL

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

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

ADDITIONAL COMMENTS

Invoice To: Bysouth, Garry D.
C-21, S-6, R.R. 1
Boswell BC V0B 1A0
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
C. L.
CLARENCE LEONG
GENERAL MANAGER

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Project: None Given

Report Date: September 24, 2010

QUALITY CONTROL REPORT VAN10004630.1

		WGHT	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
Core Reject Duplicates																					
2906	Rock	0.31	11.7	7.9	4.2	26	<0.1	1.0	0.7	578	0.31	<0.5	0.2	0.8	2.4	10	0.2	<0.1	<0.1	<2	0.13
DUP 2906	QC		14.5	8.8	4.3	27	<0.1	1.6	0.7	580	0.33	<0.5	0.2	<0.5	2.2	10	0.2	<0.1	<0.1	<2	0.11
Reference Materials																					
STD DS7	Standard		23.2	113.5	78.6	422	1.1	56.1	9.9	650	2.51	54.4	6.1	59.7	5.0	87	6.9	4.7	5.7	86	0.99
STD OREAS45PA	Standard		0.8	615.1	21.3	120	0.3	292.3	110.6	1098	16.74	4.6	1.4	49.1	7.6	17	<0.1	<0.1	0.2	216	0.24
STD DS7 Expected			20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93
STD OREAS45PA Expected			0.9	600	19	119	0.3	261	104	1130	16.559	4.2	1.2	43	6	14	0.09	0.13	0.16	221	0.2411
BLK	Blank		<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1	Prep Blank	<0.01	0.1	2.7	3.0	46	<0.1	3.6	4.3	551	1.97	<0.5	1.8	1.3	5.6	68	<0.1	<0.1	<0.1	37	0.44
G1	Prep Blank	<0.01	<0.1	2.8	3.0	47	<0.1	2.9	4.3	542	1.93	<0.5	1.8	0.7	5.5	63	<0.1	<0.1	<0.1	36	0.42

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Project: None Given
Report Date: September 24, 2010

CERTIFICATE OF ANALYSIS VAN10004630.1

	Method	WGHT	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01
2901	Rock	0.28	0.1	2.0	9.8	6	<0.1	1.9	0.6	369	0.38	3.7	1.2	<0.5	1.1	546	<0.1	<0.1	<0.1	<2	22.25
2902	Rock	0.41	18.5	98.2	6.8	29	1.5	9.2	29.7	276	4.49	5.3	0.8	2.2	1.7	20	<0.1	0.1	2.8	40	0.20
2903	Rock	0.18	140.3	5.2	5.4	12	<0.1	0.8	0.9	414	0.43	0.6	1.8	1.9	24.6	5	<0.1	<0.1	0.2	<2	0.06
2904	Rock	0.33	32.3	10.4	11.2	16	0.6	0.6	0.9	432	0.43	2.4	11.1	1.5	25.9	7	<0.1	0.5	9.9	<2	0.14
2905	Rock	0.14	851.0	6.5	4.8	14	<0.1	1.9	1.7	195	0.91	<0.5	1.1	0.9	1.6	38	<0.1	0.1	0.3	9	0.10
2906	Rock	0.31	11.7	7.9	4.2	26	<0.1	1.0	0.7	578	0.31	<0.5	0.2	0.8	2.4	10	0.2	<0.1	<0.1	<2	0.13
2907	Rock	0.43	4.3	7.4	3.5	9	<0.1	1.2	1.0	127	0.81	<0.5	1.0	0.7	2.4	22	<0.1	0.2	<0.1	8	0.06
2908	Rock	0.49	4.0	13.5	3.4	7	0.4	0.7	1.3	88	0.79	<0.5	0.7	<0.5	1.2	20	<0.1	<0.1	4.3	5	0.06
2909	Rock	0.31	>2000	2.9	2.6	6	<0.1	1.1	0.7	118	0.39	<0.5	3.2	3.2	1.0	17	<0.1	0.2	0.4	<2	0.12
2910	Rock	0.40	1384	2.8	13.4	2	<0.1	0.7	0.3	28	0.27	<0.5	0.3	1.9	0.6	10	<0.1	<0.1	0.3	<2	0.04
2911	Rock	0.34	19.0	8.9	2.7	10	<0.1	1.9	1.1	110	0.48	<0.5	0.4	1.0	1.0	17	<0.1	<0.1	<0.1	4	0.09
2912	Rock	0.48	1289	20.6	12.9	63	0.7	17.2	30.6	530	3.00	1.4	0.7	2.5	1.2	103	<0.1	0.2	<0.1	98	1.04
2913	Rock	0.17	12.1	20.5	1.2	24	<0.1	15.1	4.3	327	12.04	8.5	0.3	2.0	0.6	104	<0.1	0.2	<0.1	89	0.34
2914	Rock	0.15	12.1	87.4	1.7	102	0.4	3.7	11.7	299	9.38	145.5	0.9	0.7	0.4	34	<0.1	<0.1	0.2	139	0.03
2915	Rock	0.18	6.2	81.5	1.1	106	0.4	2.3	8.3	296	10.05	155.7	0.9	<0.5	0.3	17	<0.1	<0.1	0.2	145	0.02

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Project: None Given
Report Date: September 24, 2010

CERTIFICATE OF ANALYSIS VAN10004630.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
2901	Rock	0.043	3	1	0.84	9	0.001	<20	0.03	0.002	0.02	<0.1	<0.01	0.6	<0.1	0.21	<1	<0.5	<0.2
2902	Rock	0.027	5	7	0.64	22	0.011	<20	0.82	0.032	0.07	0.3	<0.01	2.1	<0.1	2.30	7	<0.5	0.3
2903	Rock	0.009	7	2	0.03	31	<0.001	<20	0.29	0.003	0.23	<0.1	<0.01	0.4	0.1	<0.05	<1	<0.5	<0.2
2904	Rock	0.004	11	1	0.03	39	<0.001	<20	0.31	0.010	0.27	0.3	<0.01	0.5	0.1	0.09	<1	<0.5	<0.2
2905	Rock	0.011	3	4	0.17	51	0.012	<20	0.31	0.089	0.09	<0.1	<0.01	0.5	<0.1	<0.05	2	<0.5	<0.2
2906	Rock	0.020	2	2	0.07	100	0.002	<20	0.51	0.027	0.30	<0.1	<0.01	0.2	0.2	<0.05	1	<0.5	<0.2
2907	Rock	0.012	2	3	0.13	43	0.003	<20	0.27	0.077	0.08	<0.1	<0.01	0.5	<0.1	<0.05	2	<0.5	<0.2
2908	Rock	0.010	2	3	0.08	38	0.003	<20	0.21	0.065	0.06	<0.1	<0.01	0.3	<0.1	0.08	2	<0.5	<0.2
2909	Rock	0.005	2	<1	0.26	66	0.001	<20	0.33	0.022	0.12	0.2	<0.01	0.2	<0.1	0.28	1	0.9	<0.2
2910	Rock	0.011	1	2	<0.01	50	<0.001	<20	0.20	0.006	0.11	<0.1	<0.01	<0.1	<0.1	0.11	<1	<0.5	<0.2
2911	Rock	0.010	3	4	0.12	32	0.004	<20	0.24	0.073	0.06	0.3	<0.01	0.3	<0.1	<0.05	1	<0.5	<0.2
2912	Rock	0.198	11	12	1.74	60	0.067	<20	1.86	0.046	0.19	0.2	<0.01	4.3	0.1	<0.05	6	<0.5	<0.2
2913	Rock	0.282	4	29	1.31	75	0.192	<20	1.61	0.029	0.51	<0.1	0.04	3.6	<0.1	0.51	6	7.0	<0.2
2914	Rock	0.086	2	8	0.07	87	0.007	<20	0.34	0.053	0.11	<0.1	<0.01	32.0	3.3	0.59	2	6.0	<0.2
2915	Rock	0.067	2	6	0.04	58	0.004	<20	0.30	0.048	0.06	<0.1	<0.01	17.2	2.7	0.45	2	5.6	0.4

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Project: Carlson
Report Date: November 01, 2010

QUALITY CONTROL REPORT VAN10005469.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
10804	Soil	43.3	90.7	10.6	44	0.7	5.1	4.5	276	5.21	10.6	0.3	2.7	0.8	17	0.2	0.4	0.5	139	0.15	0.023
REP 10804	QC	41.0	84.0	10.3	40	0.7	4.9	4.2	264	5.05	9.9	0.2	2.8	0.8	16	0.3	0.3	0.5	132	0.14	0.022
10838	Soil	20.7	326.8	53.0	699	0.9	10.3	6.3	863	1.93	1.9	15.2	0.8	1.2	62	3.1	0.4	0.6	36	0.63	0.049
REP 10838	QC	21.2	328.5	53.3	693	0.9	11.2	6.7	855	1.96	2.0	15.2	1.8	1.2	61	3.2	0.4	0.7	37	0.64	0.049
Reference Materials																					
STD DS7	Standard	21.7	112.0	72.5	406	1.0	56.2	9.2	615	2.40	52.7	4.9	59.2	4.6	77	6.1	5.6	5.1	82	0.89	0.081
STD DS7	Standard	19.6	103.8	67.9	398	0.9	51.6	8.9	605	2.27	51.3	4.8	56.2	4.5	75	5.9	4.4	4.7	77	0.90	0.080
STD OREAS45PA	Standard	1.0	570.3	18.3	112	0.3	268.9	99.6	1032	16.74	5.0	1.1	44.5	6.6	14	<0.1	0.2	0.2	182	0.22	0.034
STD OREAS45PA	Standard	0.8	559.5	17.9	123	0.3	265.1	100.7	1047	15.96	4.3	1.2	40.1	6.2	14	0.1	<0.1	0.2	192	0.23	0.034
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93	0.08
STD OREAS45PA Expected		0.9	600	19	119	0.3	281	104	1130	16.559	4.2	1.2	43	6	14	0.09	0.13	0.18	221	0.2411	0.034
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001

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Project: Carlson

Report Date: November 01, 2010

QUALITY CONTROL REPORT VAN10005469.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
10804	Soil	5	17	0.14	103	0.064	<20	1.62	0.006	0.02	0.4	0.02	2.1	<0.1	<0.05	14	<0.5	<0.2
REP 10804	QC	5	16	0.14	99	0.061	<20	1.50	0.005	0.02	0.4	0.02	2.1	<0.1	<0.05	13	<0.5	<0.2
10838	Soil	45	16	0.38	80	0.036	<20	1.03	0.013	0.04	0.1	0.04	3.4	0.1	<0.05	4	<0.5	0.2
REP 10838	QC	46	17	0.38	81	0.038	<20	1.03	0.013	0.05	0.1	0.05	3.6	0.1	<0.05	4	<0.5	<0.2
Reference Materials																		
STD DS7	Standard	13	193	1.04	412	0.122	42	1.00	0.107	0.48	3.6	0.22	2.8	4.2	0.20	5	3.7	0.7
STD DS7	Standard	13	187	1.01	406	0.121	37	1.02	0.094	0.46	3.2	0.21	2.5	3.9	0.13	4	3.3	1.7
STD OREAS45PA	Standard	16	717	0.11	180	0.130	<20	3.14	0.012	0.07	<0.1	0.04	40.6	<0.1	<0.05	16	0.6	0.3
STD OREAS45PA	Standard	15	720	0.11	178	0.129	<20	3.01	0.012	0.07	<0.1	0.03	42.7	<0.1	<0.05	16	0.5	0.2
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
STD OREAS45PA Expected		16.2	873	0.095	187	0.124		3.34	0.011	0.0665	0.011	0.03	43	0.07	0.03	16.8	0.54	
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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Project: Carlson
Report Date: November 01, 2010

CERTIFICATE OF ANALYSIS VAN10005469.1

	Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
	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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
10790	Soil	1.4	14.2	12.6	51	0.2	9.7	3.7	182	4.19	14.0	0.4	1.0	1.4	6	0.3	0.5	0.3	53	0.03	0.069
10791	Soil	1.2	25.7	15.8	57	0.9	10.2	4.2	249	6.27	17.9	1.0	2.1	3.6	7	0.2	0.5	0.8	58	0.04	0.045
10792	Soil	3.1	193.7	29.9	87	1.6	13.5	14.2	655	3.71	21.0	2.7	27.2	2.0	128	0.6	0.5	3.9	43	1.30	0.049
10793	Soil	8.9	50.2	11.4	78	0.2	30.5	10.0	385	2.81	14.3	3.4	2.0	0.9	24	0.3	0.6	0.3	55	0.21	0.048
10794	Soil	2.1	81.6	10.9	65	0.3	17.6	10.4	435	2.75	26.9	1.3	5.9	2.3	34	0.1	0.6	1.3	34	0.42	0.070
10795	Soil	2.4	24.7	10.9	99	0.7	13.9	7.6	483	4.41	17.3	0.8	12.3	1.4	6	0.3	0.5	0.3	59	0.03	0.031
10796	Soil	3.7	21.7	14.2	81	0.4	15.0	6.0	248	5.58	29.1	0.7	4.1	2.3	4	0.2	0.4	0.4	50	0.03	0.044
10797	Soil	5.0	11.2	15.1	106	0.5	10.6	5.1	355	4.90	15.1	0.6	1.5	1.4	5	0.8	0.3	0.6	92	0.03	0.069
10798	Soil	15.8	51.9	7.9	73	1.0	13.8	3.9	281	0.67	3.4	4.3	14.6	0.1	100	8.7	0.6	0.2	22	0.77	0.218
10799	Soil	1.2	11.2	3.8	8	0.2	3.3	0.6	39	0.18	1.2	0.6	3.1	<0.1	115	0.7	0.1	0.2	7	0.60	0.066
10800	Soil	6.5	152.2	3.3	34	0.3	10.4	1.7	497	0.80	2.4	15.1	3.1	0.1	240	4.7	0.4	0.1	23	2.11	0.136
10801	Soil	6.1	84.7	6.0	79	0.2	17.2	3.6	274	1.22	2.3	0.8	2.4	0.3	26	1.1	0.2	0.1	28	0.33	0.272
10802	Soil	32.6	233.7	13.4	437	2.3	23.2	15.0	1717	5.65	4.8	0.6	1.3	1.0	12	4.5	0.3	0.6	68	0.10	0.061
10803	Soil	4.0	9.8	7.0	5	0.2	1.2	0.6	29	0.36	3.4	0.2	2.0	0.1	19	0.2	0.2	0.2	41	0.16	0.007
10804	Soil	43.3	90.7	10.6	44	0.7	5.1	4.5	276	5.21	10.6	0.3	2.7	0.8	17	0.2	0.4	0.5	139	0.15	0.023
10805	Soil	2.4	110.5	8.3	111	0.8	19.8	10.7	368	5.20	12.6	0.3	<0.5	1.0	5	0.4	0.3	0.6	86	0.04	0.055
10806	Soil	6.8	127.4	10.0	509	0.8	28.7	12.3	1794	3.64	9.0	1.9	<0.5	0.2	34	8.2	0.3	0.3	46	0.41	0.101
10807	Soil	10.9	104.5	10.4	60	0.5	21.0	14.5	1160	3.08	9.5	8.2	3.4	0.3	22	0.5	0.4	0.3	50	0.20	0.096
10808	Soil	21.3	160.8	9.3	48	1.1	12.6	17.6	5788	2.08	7.8	21.2	5.0	2.6	26	0.6	0.3	0.6	36	0.29	0.324
10809	Soil	16.0	115.9	11.8	99	0.7	26.1	16.2	4182	3.20	11.5	12.7	<0.5	0.2	25	1.0	0.3	0.6	47	0.27	0.095
10810	Soil	4.2	97.1	5.0	54	0.3	10.1	3.8	148	1.47	8.6	6.5	5.0	0.5	100	0.9	1.1	<0.1	55	1.01	0.182
10811	Soil	44.7	66.1	13.8	58	0.7	14.7	35.0	>10000	2.78	5.6	5.1	1.6	0.7	9	0.4	0.5	0.2	43	0.12	0.546
10813	Soil	3.3	65.7	15.1	58	1.7	10.3	3.9	141	6.35	16.7	0.5	<0.5	2.4	4	0.2	0.5	0.7	82	0.03	0.133
10814	Soil	11.2	623.8	12.1	159	1.1	45.9	14.1	490	3.66	31.7	3.5	4.3	1.0	24	1.7	0.4	0.6	45	0.31	0.083
10815	Soil	2.2	27.0	9.3	58	0.4	14.4	5.8	260	4.42	15.5	0.5	1.8	1.6	6	0.1	0.7	0.4	54	0.04	0.099
10817	Soil	4.0	100.9	17.0	71	1.5	14.6	8.4	224	6.17	17.8	0.4	2.6	1.1	6	0.6	0.6	3.6	70	0.05	0.061
10818	Soil	10.6	18.4	18.7	115	0.6	4.5	11.4	8416	2.11	2.0	1.8	<0.5	0.2	135	4.4	0.1	1.3	29	1.27	0.200
10821	Soil	23.1	100.2	23.6	156	1.0	50.8	33.7	1574	6.74	13.6	10.2	4.3	0.5	21	0.9	0.2	45.7	89	0.18	0.069
10822	Soil	4.7	75.9	23.6	135	0.4	12.7	10.8	1335	3.14	5.1	2.2	8.8	1.4	30	0.8	0.1	3.3	44	0.38	0.111
10823	Soil	2.8	44.3	28.9	176	0.3	12.3	12.2	2073	3.51	5.6	1.9	1.2	1.0	51	1.4	0.3	1.7	55	0.32	0.098

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Project: Carlson
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CERTIFICATE OF ANALYSIS VAN10005469.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
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	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
10824	Soil	3.5	70.5	33.3	168	0.5	5.5	15.7	3163	4.30	5.8	1.7	2.0	2.0	46	1.4	0.2	3.0	42	0.44	0.086
10825	Soil	0.8	98.2	6.0	285	0.6	87.5	30.1	2482	4.01	5.7	1.8	34.1	0.5	27	0.7	0.3	0.2	123	0.56	0.058
10826	Soil	5.4	374.0	24.7	231	0.9	7.6	9.9	2676	4.13	2.7	6.9	7.6	4.2	19	1.7	<0.1	4.3	52	0.18	0.080
10827	Soil	1.3	302.9	9.6	123	0.9	67.8	22.8	741	4.26	2.6	1.2	3.6	2.5	19	0.4	<0.1	1.7	122	0.30	0.029
10828	Soil	18.6	233.6	30.1	182	1.1	8.1	5.3	930	1.59	2.2	15.5	2.1	1.3	93	2.2	0.3	0.6	32	0.98	0.099
10829	Soil	61.6	750.3	47.5	410	2.3	13.8	7.6	3366	2.09	4.5	52.3	7.6	2.4	137	8.8	0.5	0.8	33	1.34	0.113
10830	Soil	25.9	88.5	24.7	190	0.8	7.9	5.0	284	1.65	1.9	4.0	0.9	0.9	62	0.3	0.1	0.7	36	0.38	0.028
10831	Soil	31.3	187.4	44.7	218	1.4	9.8	7.1	685	2.27	3.0	11.2	1.8	2.5	82	1.7	0.3	1.5	43	0.65	0.048
10832	Soil	6.2	35.6	31.1	94	0.2	4.5	3.7	342	1.53	2.3	2.0	0.8	2.4	26	0.3	0.2	0.5	30	0.26	0.064
10833	Soil	14.1	246.5	92.1	702	2.0	8.8	5.7	673	2.04	2.2	13.6	1.7	2.0	59	2.0	0.2	1.2	36	0.57	0.046
10834	Soil	10.8	100.5	76.4	327	0.6	8.0	6.1	469	2.05	2.3	8.6	1.2	1.6	65	1.1	0.5	1.0	34	0.53	0.053
10835	Soil	10.9	351.2	20.9	306	1.0	5.0	3.9	233	1.35	1.1	12.4	1.2	0.9	54	0.7	0.2	0.4	30	0.51	0.029
10836	Soil	24.4	831.1	92.9	539	2.2	13.6	7.0	2229	2.04	2.3	14.6	1.9	2.1	89	4.6	0.4	1.3	34	1.12	0.092
10837	Soil	13.7	169.0	37.8	422	0.5	10.7	5.2	377	1.78	1.6	5.3	2.9	2.1	46	0.8	0.3	0.4	35	0.37	0.030
10838	Soil	20.7	326.8	53.0	699	0.9	10.3	6.3	863	1.93	1.9	15.2	0.6	1.2	62	3.1	0.4	0.6	36	0.63	0.049
10839	Soil	40.8	444.1	51.5	428	1.6	12.1	6.5	1455	2.30	2.4	15.9	1.8	0.8	89	4.3	0.3	0.5	47	1.08	0.078

Skip

Skip 10828 - 10839
12 samples

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Project: Carlson
Report Date: November 01, 2010

CERTIFICATE OF ANALYSIS VAN10005469.1

		Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
10790	Soil		4	22	0.20	39	0.023	<20	2.28	0.006	0.02	0.3	0.14	2.2	<0.1	<0.05	8	0.8	<0.2
10791	Soil		6	22	0.29	36	0.058	<20	6.14	0.005	0.02	0.4	0.14	3.1	<0.1	0.05	11	1.5	<0.2
10792	Soil		8	14	0.32	94	0.037	<20	4.04	0.007	0.09	0.3	0.09	2.5	<0.1	<0.05	13	0.9	1.5
10793	Soil		10	30	0.57	171	0.031	<20	1.97	0.007	0.07	0.3	0.03	3.9	<0.1	<0.05	7	0.9	<0.2
10794	Soil		9	16	0.47	58	0.032	<20	2.65	0.008	0.06	0.5	0.04	2.8	<0.1	<0.05	7	0.6	0.7
10795	Soil		5	24	0.34	75	0.057	<20	2.82	0.006	0.03	0.3	0.06	3.6	<0.1	<0.05	8	0.8	<0.2
10796	Soil		5	39	0.35	42	0.045	<20	6.51	0.005	0.02	0.3	0.15	4.4	<0.1	<0.05	7	1.4	<0.2
10797	Soil		6	25	0.21	61	0.057	<20	4.34	0.006	0.04	0.3	0.11	3.2	<0.1	<0.05	13	1.5	0.4
10798	Soil		17	18	0.19	252	0.007	<20	1.74	0.013	0.03	0.4	0.31	1.0	0.4	0.40	4	4.4	<0.2
10799	Soil		3	3	0.03	172	0.008	<20	0.56	0.008	<0.01	0.1	0.17	0.4	<0.1	0.43	<1	1.2	<0.2
10800	Soil		40	14	0.19	273	0.076	<20	1.28	0.014	0.01	<0.1	0.20	3.0	0.1	0.57	4	2.2	<0.2
10801	Soil		15	19	0.36	232	0.029	<20	2.32	0.008	0.03	0.2	0.08	2.6	0.1	0.06	8	0.8	<0.2
10802	Soil		6	28	0.30	156	0.103	<20	3.58	0.007	0.04	0.3	0.16	2.5	0.1	<0.05	11	1.5	<0.2
10803	Soil		7	7	0.07	220	0.023	<20	0.73	0.004	0.02	<0.1	0.03	0.6	<0.1	<0.05	5	<0.5	<0.2
10804	Soil		5	17	0.14	103	0.064	<20	1.62	0.006	0.02	0.4	0.02	2.1	<0.1	<0.05	14	<0.5	<0.2
10805	Soil		3	101	0.40	69	0.064	<20	4.62	0.005	0.03	0.3	0.09	6.8	<0.1	0.09	9	0.6	0.3
10806	Soil		15	31	0.43	204	0.035	<20	2.25	0.009	0.04	0.1	0.08	3.4	0.1	<0.05	7	1.0	<0.2
10807	Soil		43	25	0.44	222	0.043	<20	2.71	0.010	0.03	0.2	0.11	5.8	0.2	<0.05	7	0.7	<0.2
10808	Soil		71	50	0.26	177	0.053	<20	7.98	0.009	0.02	0.2	0.47	6.6	0.3	0.19	6	1.9	<0.2
10809	Soil		16	28	0.38	196	0.058	<20	3.51	0.010	0.04	0.2	0.10	2.3	0.2	<0.05	8	1.4	<0.2
10810	Soil		41	25	0.52	289	0.214	<20	2.57	0.016	0.03	0.9	0.09	5.9	<0.1	0.35	7	5.8	<0.2
10811	Soil		20	34	0.49	107	0.059	<20	5.92	0.010	0.08	0.2	0.21	4.7	0.4	0.10	8	1.9	<0.2
10813	Soil		4	31	0.26	35	0.032	<20	4.42	0.006	0.02	0.3	0.16	3.6	<0.1	<0.05	11	1.1	<0.2
10814	Soil		21	27	0.34	139	0.071	<20	4.02	0.012	0.03	15.9	0.09	5.0	0.1	<0.05	7	1.3	0.5
10815	Soil		5	26	0.43	34	0.030	<20	3.37	0.006	0.03	0.4	0.22	3.6	<0.1	<0.05	7	0.9	<0.2
10817	Soil		3	105	0.25	54	0.050	<20	4.03	0.006	0.02	1.8	0.22	5.8	<0.1	<0.05	9	1.1	0.6
10818	Soil		31	5	0.16	481	0.014	<20	1.82	0.012	0.04	1.2	0.25	0.6	0.4	0.13	6	1.1	<0.2
10821	Soil		11	116	1.11	60	0.024	<20	3.31	0.011	0.04	49.9	0.16	3.5	0.2	<0.05	9	1.7	1.1
10822	Soil		16	17	0.51	383	0.026	<20	1.68	0.010	0.15	3.1	0.06	3.6	0.1	<0.05	5	0.5	0.3
10823	Soil		21	15	0.55	251	0.032	<20	2.14	0.011	0.10	3.3	0.07	4.0	0.2	<0.05	7	0.7	<0.2

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CERTIFICATE OF ANALYSIS VAN10005469.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
10824	Soil	31	6	0.54	478	0.009	<20	2.09	0.008	0.16	4.8	0.07	5.5	0.2	<0.05	7	0.6	0.8
10825	Soil	3	221	4.20	301	0.208	<20	3.33	0.019	0.44	0.5	0.02	11.9	0.1	<0.05	10	<0.5	0.5
10826	Soil	31	14	0.59	462	0.005	<20	2.32	0.009	0.13	3.8	0.06	7.7	0.2	<0.05	8	0.6	0.9
10827	Soil	5	181	2.09	170	0.186	<20	4.48	0.015	0.18	1.5	0.05	4.8	0.1	<0.05	12	<0.5	<0.2
10828	Soil	63	14	0.30	117	0.024	<20	1.17	0.012	0.06	0.1	0.07	3.6	0.2	0.05	4	1.0	<0.2
10829	Soil	221	18	0.35	236	0.015	<20	1.41	0.013	0.07	0.1	0.22	7.6	0.3	0.13	4	1.7	<0.2
10830	Soil	34	12	0.22	143	0.030	<20	1.50	0.011	0.04	0.2	0.04	2.3	<0.1	<0.05	5	<0.5	<0.2
10831	Soil	75	19	0.36	160	0.038	<20	1.61	0.015	0.07	0.1	0.04	4.1	<0.1	<0.05	5	<0.5	0.2
10832	Soil	16	8	0.22	71	0.037	<20	0.72	0.009	0.04	0.1	<0.01	1.8	<0.1	<0.05	2	<0.5	0.2
10833	Soil	78	15	0.66	168	0.030	<20	1.58	0.014	0.06	0.1	0.04	5.6	<0.1	<0.05	4	<0.5	<0.2
10834	Soil	41	16	0.64	130	0.014	<20	1.18	0.009	0.64	0.2	0.03	3.1	<0.1	<0.05	4	<0.5	0.5
10835	Soil	47	12	0.24	81	0.040	<20	0.81	0.012	0.03	<0.1	0.04	2.7	<0.1	<0.05	3	0.6	<0.2
10836	Soil	112	15	0.28	158	0.019	<20	1.44	0.015	0.05	0.4	0.07	6.9	0.2	<0.05	4	1.3	<0.2
10837	Soil	29	19	0.37	68	0.056	<20	1.00	0.016	0.05	0.1	0.02	4.5	<0.1	<0.05	3	<0.5	<0.2
10838	Soil	45	16	0.38	80	0.036	<20	1.03	0.013	0.04	0.1	0.04	3.4	0.1	<0.05	4	<0.5	0.2
10839	Soil	49	15	0.27	104	0.028	<20	1.17	0.012	0.03	0.1	0.06	2.3	0.2	<0.05	5	1.0	<0.2

APPENDIX D

Geological Field Notes

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1037 (cont'd) QM. with 30% qtz, 5% bio with random pink K'spar prism up to 12mm long; and * felsite dyke strike @ 140°
(Cal. QM.)

1039 same 1037 but with qtz seg's up to 13mm dia: felsite dyke also present - nr drill rd junction
(Cal QM.)

\- 1150m 380646E 5976464N

1037 - 1153m 380914E 5976673N *

\- move to east side of claim.

1040 quarry type otcp. - mainly fine grn diorite cut by alaskite dykes and salmon red K'spar veins and zones with bright green ep
(diorite)

1102m 382811E 5976848N

1041 end of rd. fresh diorite varible grn size fine-med 1-3mm and med. 3-4mm. Gen. 50:50 blk and grey minerals and cut by aplite veins, and dykes - many otcps.
(- diorite -)

1159m 381844E 5977191 N.

1042. same as above.

1169m 382018E 5977248N

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new rd. trav.

1027 large otcp. med. grn Q.M., 3-6mm, bio ~5% - 10% ± hb, chl. alt'd, s parr sl to mod. clay alt'd; intrudes fine grn <1mm diorite (or amph. hornfels), in places a bx. healed by qtz-spar material ~1-5% py, some bleaching; pale grey, ashy tex. felsite dykes also pr.
(Caledonia QM - "diorite" contact)

\- elev. 1215m; 380672E; 5975773N

1028 fine grn. diorite (or amp. hornfels) cut by qtz veinlets and min. by py (cp)

\- 1213m; 380694E; 5975858N

1029 same otcp as 1027-28 but obvious granite contact also felsite dykes
(QM - diorite Contact)

1207m; 380727E 5975972N

also a qtz-cp-py veinlet

1030 fine grn <1mm diorite or hornfels dk.

103[illegible] green hb rx with 1-2% diss. py nearby fine-med grn diorite ~2mm 50:50 hb and light minerals + min. qtz
(- diorite -)

1202 380756E 5976186N

1032 pale greenish rx with pinkish K'spar prisms up to 10mm long - prob. crushed tex. with clay alt'n: ashy tex. light yellowish grey felsite dyke
(- QM -)

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1032(cont'd) with minor 1mm dia qtz pheno's; dyke
strikes ~50° and is 10-30m wide
diorite — also, dk grey, 1-2mm dia, diorite with
K'spar along some frac's ~50:50
dk green : pale grey mineral : dissem Py.
— 1205m 380869E 5976381N

1033 wet gulley - felsite dyke continues -
diorite r. — host here prob same as 1032 by
float - salmon red K'spar lenses in diorite
— 1193m 381034E 5976479N

1034 N.W. contact of felsite dyke: host rx
here is grey med grn. 2-3mm grey
contact — QM in contact with dk grey fine grn
hornfels or diorite: pegmatitic qtz-
K'spar segreg. in the diorite
— 1193m; 381072E; 5976598N

1035 nr end of rd. - crushed clay alt'd
greenish rx. with pink K'spar and
QM — qtz with chl. crushed tex
— 1189m; 381159E; 5976686N

1036 end of lower rd: both rds end
no rx — nr. dry crk.
— 1156m 381144E 5976831N

1037 lower rd. a med. grn 1-3mm. grey

1043 same fresh variable texture
diorite but here it is cut by
pale grey alaskite dykes, str 270°
dip 10°S, aphanitic with <1mm
diorite — qtz phenos. and with unusual
segregations of grey, granular
qtz. ie
— 1155m 382116E; 5977316N

1044 NE corner of survey area - med-
coarse grn Q.M: 10-15% ragged bio
flakes; 20-30% grey interstitial qtz
Nithi Q.M. — 40% subhedral pink K'spar 10-15mm
long and ~20% indistinct plag. Also
granite pegmatite of 40mm K'spar
prisms and interstitial qtz
851m 382342E 5979236N

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1057 band of greenstone ~ 20m wide, str. @ ~20° bounded by Casey-like dykes the rx is fine grn (<1mm) chl-ep alt'd. cut by qtz-kspar-hem veinlets
982m 379612E 5977919N
(margin: red granite dyke)

1058 greenstone-dyke contact - dyke ~ 20m wide bound on the N and S by greenstone - the dyke is typical of the granular Casey with large clots of qtz and prisms of K'spar but it is sl. coarser grn (2-3mm) and has ~10-15% chl. clots. an hem hles
- 975m 379573E 5977922N
(margin: red granite dyke)

1059 ep-chl alt'd greenstone and Casey? dyke rx as above with qtz veinlets and dry pyrrhotite hle. fracs
- 957 79367E 77979N
(margin: red granite)

1060 greenstone as above
- 950m 79023E 78662N

1061 felsite dyke
938m 379119E 5978140N

1062 Coarse grn QM (3-10mm) crushed and cut by chl. hles - clay alt'd plag.
- 379231E 5978233N
(margin: Caledonia Nithi)

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1045 & 1048 a large area of small otcps - one is a bio. QM similar to 1044, and another is an aplitic tex. granite which has seg.s of coarse granite. Two others are of clay altered aplitic rx - intense pale greenish alt'n with MoS_2 blebs and cut by opaque qtz veins
(1045) 858m 381540E 5978999N Casey?
(1048 866m 381587E 5979049N Nithi
(margin: Contact Zone Nithi QM/Casey Gr.)

1049 S.of Swamp - sub otcp nr old tr. pale grey - pinkish hue, granular tex. with scattered qtz clusters up to 5mm and random subhedral K'spar prisms ~5-6mm. - cut by qtz Mo veinlet with 3mm K'spar envelope + bright green ep.
931m 381091E 5977982
(margin: Casey Gr.)

1052 trench aplitic tex. granite - similar to 1049 - qtz-Mo veinlets
930 381361E 5978408N

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1053 many small rx exposures mainly of a fine grained (1mm) aplitic tex. rock with random quartz segs. up to 5mm dia and random pink K-spar; in some places the qtz is dk grey - in others, grey like 1049. But also present is a granite pegmatite 25mm red euhedral K-spar and interstitial quartz of equal size plus minor clay alt'd plag.

(margin: Nithi Casey Granite / Calendonia QM Contact)

859m 379923E 5978746N

1055 odd pale greenish grey rx <1mm grn size H=6 - prob. a qtz-feldspar rx in which the feldspar is totally alt'd to clay and sericite - has dissem. clots of hem and sparse MoS_2 blebs; also present, a coarse grn Q.M. ~5mm with ~15% mafics (bio + hb) cut by greenish qtz veinlet with a 15mm wide K-spar envelope with dissem. hem.

(margin: Nithi Caledonia QM + clay alt'd dyke)

- 970m 379896E 5977996N

1056 med. grn. QM. 3-5mm with 15% mafics - laced by chl. veinlets.

Calendonia Nithi - 988m 379674E 5977877N

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1063 alternating greenstone/granitic rx and felsite dyke continue - same coarse grn. QM as at 1062 by with qtz veining

(margin: Caledonia? Nithi)

- 923m 379326 E 5978297 N

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324 - small exposures along drift covered road cut: felsite - pale grey clay alt'd, aphy tex., prob dyke cutting fine - med grn (1mm-2mm) aplitic tex granite with qtz-Mo veins at contact (Casey) A clay alt'd QM is also exposed nearby with qtz-vein and K'spar borders - this rock may be in contact with chl-ep alt'd greenstone which is well mineralized by qtz-Mo veinlets and dry MoS_2 ble fracs. The greenstone appears to be a favourable host rx

(margin: Nithi Caledonia QM ? Casey Granite Greenstone Contact.)

926m 79179E 78156N

326 P.O.I.t 14+15 a qtz-Mo vein system .3-1.0m wide with a 500mm wide central qtz-vein and subparallel veins and stkwks. - fine grn MoS_2,

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554 mineralized zone: bleached (silicified; clay alt'd:) Casey Granite with 1% chl. relict grns mineralized by py. ie disseminations and dry fractures and rare MoS_2 bles. - a less alt'd rock appears to be a pale pinkish grey fine grained qtz-spar rx - dyke??

Casey?, qtz-spar dyke?

381871 E 77996 N

710 a 15 m. long area of road cut exposures nr PDH 710. : a course grn granite with ~35% quartz as dk grey rounded 4-5 mm dia grains, 45% K'spar as short, subhedral, pink to reddish, 2-4 mm long prisms, and about 20% interstitial 1-2mm pale grey plagioclase. The total lack of mafics and the very dark qtz is char. of Casey Granite. In more altered specimens, the quartz is a normal grey, the K'spar is salmon red and the plagioclase is alt'd to greenish grey clay.

Med grn. Casey Granite

382250 E 5978042 N

326 PDH 14 & 15 host rock is a seriate to aplitic textured pinkish grey granite characterised by random blocky qtz grains up to 6mm wide and scattered pink to salmon red K'spar prisms up to 10 mm long in a aplitic to seriate groundmass of pinkish K'spar and grey qtz grains 1mm-3mm and lesser clay alt'd plagioclase of the same size. Overall, the finer grn rock has an aplitic-like texture but still has the blocky qtz or qtz segregations and K'spar large prisms. A puzzling rx type is a fine grn (1mm) greenish pale grey specimen of H-5 which is usually mineralized with MoS_2 slips and isolated grains - this might be a mix of qtz, sericite and clay - ie a totally alt'd rx. The granitic rocks intrude a chl-ep greenstone, and are intruded by 'black' basalt and pale grey felsite dykes

contact Casey / Greenstone

red granite dyke in greenstone

mineralized

976m 79547 E 77479 N

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327 similar and close to 324,
PDH 80 mm wide qtz-vein with
18 14 mm wide K'spar envelope
mineralized with fine MoS_2
hostrock is a chl-ep alt'd
fine grain diorite or greenston
which is cut by qtz-Mo and
qtz-hem veins and veinlets.
- also present are ashy
tex. felsite dykes
919 m 79231E 78233 N
(Greenstone)

552 fine grained (1mm) granular (aplitic)
(nr. 331) tex. reddish grey rx with scattered
6 mm wide qtz segregations and
and 2-3 mm chl. clots in a
qtz-feldspar matrix ~1-5 %
mafics with bio - prob. a Qm Casey rx
380829E 5977217 N
(Casey Qm.)

353 pale grey qtz-spar rx laced by
chl. hle fracs - fine grn (1-3mm)
with angular 5mm qtz clusters
- also white clay alt'd felsite
with chl. relict phenocrysts
380744 E 77016N
(Casey)

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July 10, 2010 Skip Geology. P12

10698 diorite or greenstone with dissem
Not Skip py. - poss. silicified

10764 - reddish fine grn ~1mm granite -
grey qtz, reddish K'spar, minor
pale grey plag. < 1% bio - in
places 2mm dia clots of hem or Mo?
also felsite dykes and dk grey
feldspar porphyry with ~2% dis py.
1025 m 380904E 977363 N
(- Casey Gr.)

10770 fine grn ~1mm diorite with ~
50 % dk minerals (hb?) and
'spar some of which may be K'spar
fine dissem. py ~1-2%
1046 m 381322E 977457 N
(Diorite)

10772 fine grn (1mm) aplitic tex reddish
grey granite with 3mm qtz
clusters and chl. clots 3mm dia
cut by qtz veins and py hles.
~~980m~~ 380579E 977721 N.
(Casey Gr.)

Poss. Drill site:
926 m 381001E 978223 N

NEVILLE CROSBY INC VANCOUVER, B.C. 46L

Oct 1, 2010

Mineralized Zones - re visit
near old stn 32? and PDH #18

① - poss. contact zone between massive "ashy" texture felsite and a fine-med grn'd Q.M.
- it appears bleached (clay?) and sheared - mafics alt'd to chl. and indistinct - some K spar phenos.
- the QM is cut by qtz veins some with MoS_2. and others with Kspar envelopes

② - close by are angular blocks ep-chl alt'd andesite - some of which is coarse enough to be a diorite
- some saussrite also present
- in places cut by qtz-Mo veinlets

PDH 18 79226 E 97823N

This is a road cut rx exposure of broken rx. which appear now as a mix of ashy tex. felsite, med-coarse QM (Caledonia); finer grn red granite (Casey); and greenstone (ch-ep sass andesite + diorite?

Sept 30, 2010 Skip Geology P13

Note: the new exposures caused by logging and reforestation indicates sand and gravel cover much of the claim area below the 3200m level with depths to either bedrock or glacial till increasing northward

Skip

10836 (Casey Grn) suboctp. - pale grey, sl pinkish fine-med grn bio granite or QM. with ~5-10 o/o bio as shreds and qtz clusters up to .5 cm dia.
951m 381094 E 778980N

10837 (Casey Gr.) Suboctp. - same as above with ~5-10 o/o bio, and 30-30-30 mix of grey qtz / white spar / and pale pink spar - (81153E 77932N 979m)

Creek Traverse
- poor Casey rx exposures between 7785ON and 7810ON. The rx exposures could be glacially displaced rubble but the common occur. of this angular rx.s of same comp. suggests an underlying bedrx source

Sept. 30, 2010 P14

Creek Trav (cont'd)

Mainly Greenstone

Complex otcp at 80458E/
76665N - mainly greenstone
intruded by Casey? dykes but
also highly alt'd - in the
crk bed some sheared rx
was mineralized by py and cp.
- the exposure is not good
enough for the complexity
of geology involved

Oct 1, 2010

10840 Contact zone between Ootsa
rd Cut Grp volcanic rxs and Caledonia
QM - window of QM? - grey rx
with pinkish tinge, 5% mafic
hb+bio, mafics ~2mm - rest
from 2mm to 10m K-spar prisms
very similar to other Cal. rxs mapped
here, also typical mafics - dk
grey andesite or fine grn diorite
with py veinlets

1156m 378875E 77096N

Caledonia Window? in Ootsa

FIELD (S)

Oct 1, 2010

10841 med grn rusty weathering Cal-
rd cut QM. 1.5 cm pale pink K'spar
phenocrysts in seriate med. grn
to fine grn matrix - qtz from
1mm to 8mm clusters of grains
plag. clay alt'd?
1188m 378362E 76568N

(margin: Nilkitkwa / Caledonia)

10842 all Ootsa - mainly acid vol.
rd cut ie pale grey tuffs
1197m 379065E 76356N

10843 mainly dk grey med. grn 1-5mm
hb diorite
81240E 76405N 1202m

10844 large otcp area - the mafic
unit prob grades from a hb-
gabbro with hb >50% + interstitial
plag. to a quartz-diorite or
granodiorite with hb+bio at
~20% with hypidiomorphic gran.
tex. (+ some "banding" of mafics)

Oct 4, 2010

10845 good otcp of grey Casey - fine
-med grn (1mm - 3mm) with
dk grey qtz grains 3mm and
random 10mm pale grey K-spar
phenocrysts - similar Casey rxs
occur at stn 1055 - qtz grns
are distinctive in being almost
black -

Oct 1, 2010

Mineralization nr PDH 18 cont'd.

poss. the min. zone has been
faulted and now consists of
displaced small and large
blocks; ie

① pieces of very high grade
qtz vein: width > 6 cm
min with "pockets" of MoS_2
~3 cm thick - length unknown
and fine grn MoS_2 (blue qtz)
K'spar (salmon red) as borders
along vein and as large prisms
along wall rx.

② same vein? K'spar (salmon red)
along vein border - MoS_2
mainly as "blue qtz" - black
specularite coating "dry"
hairline fractures cutting across
vein

Surface MoS_2 locations

① 79179E 78156N 926m
② 79231E 78233N 919m

APPENDIX E

Geochemical Field Notes

Field Notes - Geochem Skip, June 26 2010

No.

1041 east side traverse - sandy C-hor. soil near diorite
✓ outcrops 4" depth - ang. rx frag.
1159 m 381845 E 5977191 N

June 27, 2010

1046 north central - grey brown C-hor. soil
✓ from gulley below rx otcps. "7"
866 m 381581 E 5978952 N

1047 C-hor. soil, much angular rx grey, 4",
(0747) near rx otcps.
868 m 381556 E 5978994 N

1049 small spring nr. old trench - med. grey
✓ silt/clay with angular rx frags. 10" depth
931 m 381091 E 5977982 N

1050 small active spring draining area of sandy/
gravel outwash (esker?) 14" auger sample
✓ clayey/silt with angular rx frags. + charcoal
939 m 380981 E 5977964 N

1054 grey silty drainage sample, 14" auger sample,
✓ small flowing stream draining the Owl swamp
and a large area of no rx exposure. (Sand?)
949 m 380272 E 5978147 N

Note: samples 1032 - 1034, 1039, 1040,
1042 - 1045, 1048, 1051 - 1053 and
1055 - 1063 are geological sample sites -
rx samples collected.

Field Notes - Geochem. Skip, June 26 2010

No. above rd south end of Prop.

1027 pale grey colluvial soil, 6", close to bedrx
no horizon
1215 m 380672 E 5975773 N

1028 pale grey colluvial soil, angular rx frags., 6",
no horizon, close to bedrx.
1213 m 380694 E 5975858 N

1029 pale grey soil from seepage area - poss. spring -
deeper O.B. 3" depth
1207 m 380727 E 5975972 N

on rd
1030 zone of deeper O.B. "B" C-horizon, brown
soil 24" depth
1202 m 380756 E 5976186 N

1031 C-horizon, pale brown soil, 4" depth, pale brown
✓ with angular rx frags - obviously close to bdrx
1201 m 380820 E 5976345 N

1035 end of rd. "B" C-horizon soil poss. colluvial
✓ with much angular rx., grey.
1189 m 381159 E 5976686 N

1036 moved down to lower rd - sample taken @
✓ 14" with auger into dry stream bed - clay
with ang. rxs. - sample @ end of rd.
1156 m 381144 E, 5976831 N

1037 clayey soil from stream bed, 10" auger sample, nr.
✓ bedrx.
1153 380914 E 5976673 N

1038 pale grey wet clay from seepage area 5" sample
✓ depth 1151 m 380789 E 5976598

Field Notes: Geochem. Skip July 11, 2010

No.	
10777 ✓	wet grey soil 8" main rd. mainly colluvial. poss. spring. – med. grey – 993m 381239E 977643N.
10778 ✓	wet soil ~8" depth main rd – colluvial C-hor. poss. spring area. light brown – much angular rx. 1000m 381241E 977617N
10779 ✓	wet soil 12" auger sample below black organic layer – grey-brown + much angular rx frags 995 381158E 977576N
10780 ✓	wet soil – poss spring 8" depth light grey clay. – 994 381088E 977589N
10781 ✓	wet soil – poss gravel/sand outwash – 12" auger sample – coarse Qtz. frags. – grey brown – 985m 380967E 977586N
10782 ✓	dk grey to black, sandy with angular and round frags. 988m 380908E 977606N
10783 ✓	sample taken by auger at 12" depth in small active stream course: dk grey, sand with woody matter. 994m 380903E 977625N
10775 ✓	wet area – "C" hor. soil 6-8" depth, pale grey ang. + rounded rx frags. 988m 380763E 977637N
10776 ✓	pale grey as above in wet area ~6" depth C+B hor.? 984m 380809E 977833N

Field Notes – Geochem. Skip July 10, 2010

No.	gen. area around PPH 202 + 703.
10764 ✓	grey-brown "6" depth rocky soil – ang. frags near bedrx. – 1025m 380904E 977363N
10766 ✓	dark grey drainage from small cutc channel 10" depth, much angular rx frags + charcoal 1022m 381020E 977348N
10767 ✓	wet clayey soil – grey with charcoal partings – from seepage area ~6". 1033m 381074E 977357N
10768 ✓	grey clayey soil with charcoal partings and fragments from seepage area 8" 1041m 381256E 977399N
10769 ✓	end of rd. wet clayey soil "6" from small water course – grey brown 1038m 381342E 977446N
10771 ✓	grey silty soil "6" from "seepage area" 1041m 381172E 977387N
10772 ✓	grey soil from wet area with much angular rx frags 980m 380579E 977721N
10773 ✓	end of rd. grey soil C-horizon round and angular rx frags ~ 6-8" 978m 380623E 977666N
10774 ✓	dk grey soil with angular rx frag. ~6" depth prob. colluvial but in wet area = some hydromor 977m 380664E 977654N

Field Notes: Geochem. Skip Oct 1 / 2010

10839	6" sample in brown rocky clay - wet -	
✓	devils club. (Till subsurface ?)	
	932m 81146 E 78067 N	

Sept 30 late afternoon — traversed Skip Crk channel for otcp.s.

Field Notes: Geochem. Skip Oct 1 /2010

Sampling N.W. of the PDH holes 702-706.

10828	small active stream - swampy - 12" auger sample
✓	down to black silt
	917m 0380960E 5978212 N
10829	prob. same drainage - 16" auger sample down
✓	to black silt
	921m 380881 E 78150 N
10830	stream course - wet but barely flowing - 12"
✓	to gravel overlying blue clay.
	929m 380741 E 78053 N
10831	auger sample - 12" depth in gravel - poss.
	the subsurface water here is not of bedrock
✗	origin
	952m 380670 E 77834 N
10832	6" depth in clay below sand and gravel
✓	943m 380736 77892 N
10833	12" depth auger sample in clay below sand
✓	943m 380777E 77883N
10834	8" depth auger sample to clay below sand.
✓	947m 380873E 77882N
10835	14" depth in wet blk clay. auger below sand.
✓	951m 380942E 77879N
10836	auger sample in dry dark brown till 14"
✓	951m 381094E 77898 N
10837	12" depth auger sample to wet silt? nr. alder grove
✓	949m 381153E 77932 N
10838	6" depth same in wet seepage area
✓	941m 381150E 78018N