ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT: Report on the 2011 Geophysical, Soil and Rock Geochemical and Geological Program. Cripple Property

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AUTHOR(S): KEVIN BYRNE, STEPHANIE SYKORA
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CLAIM NAME(S) (on which work was done):

CRIPPLE 001, CRIPPLE 002, CRIPPLE 003, CRIPPLE 004, CRIPPLE 005, CRIPPLE 006, CRIPPLE 007, CRIPPLE 008, CRIPPLE 009, CRIPPLE 010, CRIPPLE 011, CRIPPLE 012, CRIPPLE 013, CRIPPLE 014, CRIPPLE 015, CRIPPLE 016, CRIPPLE 017, CRIPPLE 018, CRIPPLE 019, CRIPPLE 020, CRIPPLE 021, CRIPPLE 022, CRIPPLE 023, CRIPPLE 024

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MINERAL INVENTORY MINFILE NUMBER(S),IF KNOWN:

MINING DIVISION: OMINECA
NTS / BCGS: 093K16
LATITUDE: 54°55'14.8"N
LONGITUDE: 124°11'7.4"W (at centre of work)
UTM Zone:10N EASTING: 424025E NORTHING: 6086619N

OWNER(S): TECK RESOURCES LTD.

MAILING ADDRESS:
Suite 3300, 550 Burrard Street
Vancouver, BC, Canada
V6C 0B3

OPERATOR(S) [who paid for the work]: TECK RESOURCES LTD.

MAILING ADDRESS:
Suite 3300, 550 Burrard Street
Vancouver, BC, Canada
V6C 0B3

REPORT KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude. Do not use abbreviations or codes)
Takla Group, Witch Lake, Chuchi, Inzana, Triassic, Diorites, Porphyry, Alkalic, Ah, Soils, pH, Copper, Gold

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:
31830 (2010), 21736A (1991), 22013 (1991), 11257 (1982)

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	8.0km^2	CRIPPLE004, CRIPPLE013, CRIPPLE011, CRIPPLE008	$20,324.58
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other	21.1 km^2	CRIPPLE 014, CRIPPLE 006, CRIPPLE 001, CRIPPLE 017, CRIPPLE 007, CRIPPLE 012, CRIPPLE 004, CRIPPLE 016, CRIPPLE 018, CRIPPLE 019, CRIPPLE 015, CRIPPLE 005	$56,680.25
Airborne			
GEOCHEMICAL (number of samples analysed for …)			
Soil	573 Ah (Aqua-Regia analysis) 487 Ae (pH analysis)	CRIPPLE 014, CRIPPLE 006, CRIPPLE 001, CRIPPLE 017, CRIPPLE 008, CRIPPLE 007, CRIPPLE 012, CRIPPLE 016, CRIPPLE 018, CRIPPLE 019, CRIPPLE 015, CRIPPLE 005	$88,073.19
Silt			
Rock	36	CRIPPLE 013, CRIPPLE 011, CRIPPLE 008, CRIPPLE 022	$27,099.44
Other			
DRILLING (total metres, number of holes, size, storage location)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling / Assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale/area)			
PREPATORY / PHYSICAL			
Line/grid (km)			
Topo/Photogrammetric (scale, area)			
Legal Surveys (scale, area)			
Road, local access (km)/trail			

Trench (number/metres)		
Underground development (metres)		
Other (Community Engagement)		$14,384.59
	TOTAL COST	$206,562.05

Report on the 2011 Geophysical, Soil and Rock Geochemical, and Geological Program.

Cripple Property

Omineca Mining Division

NTS 093K16

Property Centred at (NAD83, Zone 10, UTM):

424025E, 6086619N

Report prepared by Kevin Byrne and Stephanie Sykora

November 2011

Teck Resources Ltd.

Suite 3300, 550 Burrard St.

Vancouver BC, V6C 0B3

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1. Summary

The Cripple property is located 54 kilometres north of Fort St James, British Columbia within the Omineca Mining Division. Situated in the Quesnellia Island arc terrane, the claims are underlain by Triassic Takla Group rocks. Previous work in the area has discovered several Cu showings, however, little work has been completed on the current Cripple claims primarily due to extensive glacial drift cover. The 2011 program at the Cripple property comprised a 21.1 kilometre squared reconnaissance induced polarization (RIP) survey and ~ 28 kilometres of line soil sampling in conjunction with geological mapping. The deep penetrating soil geochemical program comprising 573 Ah and 487 Ae samples was conducted to better define 2010 anomalies and extend the soil sampling coverage.The objective of the RIP survey was to test for chargeability anomalies beneath soil geochemical targets identified in 2010 by Teck Resources Ltd. (ARIS #31830). Furthermore, the RIP survey tested the intersection of regional magnetic lineaments.

Several facies of a coarse plagioclase-phyric diorite are exposed in the northeast and northwest of the property. Megacrystic feldspar porphyry mapped in the northeast part of the property is host to weak epidote ± calcite ± quartz veins, epidote-chlorite alteration, pyrite, and base metal mineralization. Fibrous actinolite occurs with quartz-epidote veins at one locality and is associated with Cu-oxides.

A moderate chargeability anomaly of interest occurs in the southeast RIP survey on the northwest side of Cripple Lake. A pole-dipole survey tested this RIP chargeable anomaly but was unable to reproduce the feature. The resistivity response of the pole-dipole line is, however, consistent with the resistivity in the RIP survey. The discrepancy could be caused by chargeable rocks that are too deep for the pole-dipole survey to observe.

Coincident IP and soil geochemical anomalies are not recognized within the main areas of interest at the Cripple property. Whole rock and soil anomalies in the Black Fly Hill and Plateau areas seem to be associated with weak alteration, veining and mineralization that is interpreted to be related to contact metamorphism and weak hydrothermal activity caused by the emplacement of the Kalder pluton, and not a porphyry related system. Several issues remain unresolved, principally these are; the source of metals for the Cu (RGS) anomalies in Cripple Lake, and the cause of the chargeability anomaly in the southeast RIP survey area (which appears to be deep). At this time, however, no additional work is recommended at the Cripple property.

2. Location, Access and Physiography

The Cripple property is situated 54 kilometres north of Fort St James, British Columbia within the Omineca Mining Division. Geographic coordinates of the centre of the property are 424025E, 6086619N (NAD 1983, UTM Zone 10). Access to the property is via the Germansen Road from Fort St James. Additionally, two major branch logging roads pass through the north and south ends of the property. A third road, north of Cripple Lake, extends to the western claim boundary towards Inzana Lake. Clear-cut logging in the north, west and south claims areas has afforded easy access to these portions of the Cripple property.

The Cripple property lies near the northern boundary of the Fraser Basin, a subdivision of the Interior Plateau. Typically, the Fraser Basin is characterized by low relief with flat to rolling surfaces that are, for the most part, lower than 900m in elevation. Bedrock exposure is sparse and outcrop generally limited to the highest elevations. Elevations on the property range from 875 to 1,100 meters. The topography is flat to gently rolling with deep drainage depressions meandering across the property in a northeast direction. Swamps and small streams presently occupy these post-glacial drainage features. Glacial ice moved in a northeasterly direction in the vicinity of the property (Tipper, 1971). Where clear cut logging has not removed the trees, vegetation consists of thick growths of spruce, fir and pine interspersed with open swampy areas along the main drainages.

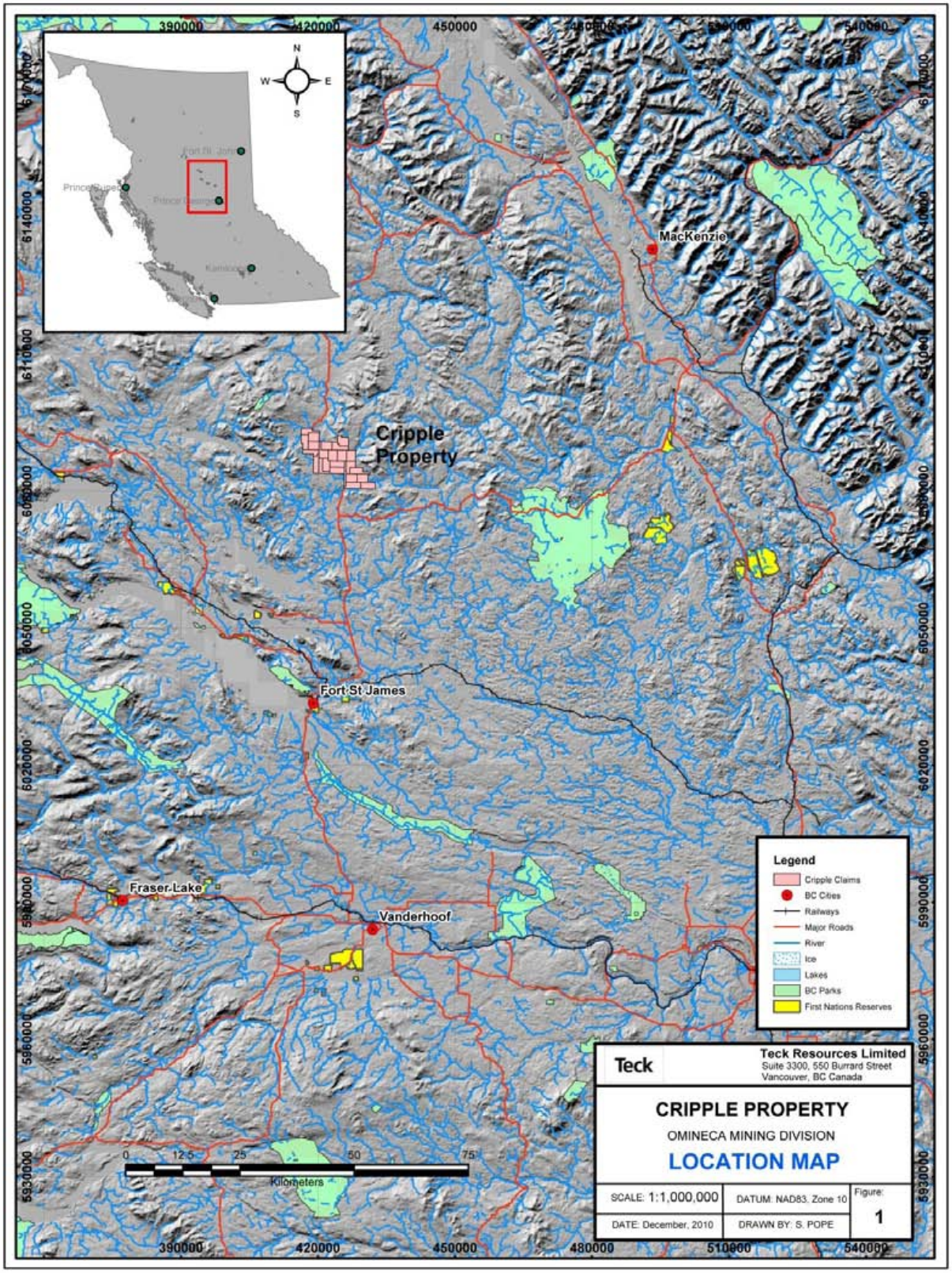

Figure 1. Location Map

3. Property Status

The Cripple property comprises 24 contiguous claims, covering an area of 10,316 hectares, wholly owned by Teck Resources Ltd (Fig. 2; Oversized Figures). Table 1 contains a summary of the properties claim status.

Table 1. Cripple Claim List

Tenure Number	GDTDT	CLAIM NAME	Area in Ha
644483	2014-09-30	CRIPPLE 002	446.51
645004	2014-09-30	CRIPPLE 010	464.6054
645008	2014-09-30	CRIPPLE 014	464.6082
645043	2014-09-30	CRIPPLE 024	371.268
645014	2014-09-30	CRIPPLE 020	371.641
645015	2014-09-30	CRIPPLE 021	445.8237
645016	2014-09-30	CRIPPLE 022	464.3185
645023	2014-09-30	CRIPPLE 023	445.64
644583	2014-09-30	CRIPPLE 006	390.47
644463	2014-09-30	CRIPPLE 001	464.9563
645007	2014-09-30	CRIPPLE 013	445.8198
645011	2014-09-30	CRIPPLE 017	427.6527
644983	2014-09-30	CRIPPLE 008	464.2844
644603	2014-09-30	CRIPPLE 007	223.2111
645006	2014-09-30	CRIPPLE 012	446.2154
644523	2014-09-30	CRIPPLE 004	465.2867
645005	2014-09-30	CRIPPLE 011	464.4143
644503	2014-09-30	CRIPPLE 003	446.6683
645010	2014-09-30	CRIPPLE 016	445.973
645012	2014-09-30	CRIPPLE 018	334.7227
645013	2014-09-30	CRIPPLE 019	464.8286
645009	2014-09-30	CRIPPLE 015	446.3578
645003	2014-09-30	CRIPPLE 009	464.6024
644543	2014-09-30	CRIPPLE 005	446.5133

4. Previous Work

Historical work in the region has concentrated on areas of magnetic-highs that are similar in character to host rocks at the Mt. Milligan alkalic porphyry Cu-Au deposit, situated 28km northeast of the Cripple property. Evaluations have comprised B-horizon soil sampling, ground magnetic and induced polarization and airborne VLF-EM surveys, and limited diamond drilling. Previous work lead to the discovery of several Cu-showings in the vicinity of the Cripple property: Tas (Minfile # 093K-080); Free Gold Zone (Minfile # 093K-09); K-2 (Minfile # 093K-086); Max (Minfile # 093K- 020); and Lynx (Minfile # 093K-083). However, most of this work does not overlapping with Teck Resources Ltd. current Cripple property claims. Exceptions to this include soil surveys (Fig. 3) conducted by Rio Algom Exploration on the ground southeast of Cripple Lake (ARIS # 21736A, 1991), and Crew Natural Resource's survey in the northwest part of the property (ARIS # 22013, 1991). B-horizon soil was sampled in these surveys and the best Cu values generally occur at higher elevations; likely reflecting thinner till cover and proximity to bed rock as opposed to anomalies in the strictest sense. This type of soil survey is less suitable for areas of thick glacial drift cover and less likely to detect mineralisation (Heberlein, 2010a).

Selco Inc., operating for BP Exploration Canada, drilled a 91 meter diamond drill hole to test an EM target located ~ 1 km northwest of Cripple Lake (ARIS # 11257, 1982). They report that drill-hole 42-4-1 intersected a repetitive sequence of cherty and non-cherty black argillite, and pyrite and pyrrhotite throughout the hole as disseminations, fracture fillings. Up to 5% sulphide was cut in the bottom third of the drill hole. Alkaline dikes cut the argillite and assayed 0.02% Cu, 0.63% Zn, 4.06 g/t Ag and, 0.09 g/t Au over a meter (ARIS # 11257, 1982). Selco Inc. attributes the EM anomaly to graphitic argillite.

In 2010, Teck Resources Ltd. completed a desktop review and compilation of historic data followed by a 47 kilometre squared ground magnetic survey and ~ 13 line kilometres of deep penetrating soil geochemical survey (ARIS 31830). This work identified several targets to develop and test during the 2011 field program (Fig. 3).

5. Objective of 2011 Work

The Cripple property is host to several lakes with high Cu values (ARIS 31830). These anomalous lake catchments overlap with high-amplitude residual field magnetic features visible in regional GSC surveys, and with structural intersections inferred from magnetic lineaments (Fig. 3). In addition to these features, the Cripple property is underlain by Takla Group rocks, which host the nearby Mt Milligan alkalic porphyry Cu-Au deposit. Furthermore, several Cu-Au showings are recognized in the vicinity of the Cripple claims. Due to extensive glacial drift cover the Cripple claims are relatively underexplored, thus, taking the above factors together, the Cripple property is considered prospective for porphyry Cu-Au mineralisation.

The objective of the reconnaissance induced polarization (RIP) survey was to test for chargeability anomalies spatially associated with soil geochemical and pH anomalies identified in 2010 by Teck Resources Ltd. (ARIS #31830). Additionally, the southeast target area is within a lake catchment with anomalous Cu values (Fig. 3). The particular areas of interest are indicated in figure 3 (blue boxes) along with the location of historic soil surveys and results of the 2010 ground magnetic survey (ARIS #31830). A deep penetrating soil geochemical program comprising 573 Ah and 487 Ae samples was conducted to better define 2010 anomalies and extend the soil sampling coverage. Geological mapping and whole rock geochemical sampling aimed to test for the presence of a magmatic-hydrothermal system; particularly for indications of alteration vectors towards soil anomalies and geophysical features of interest.

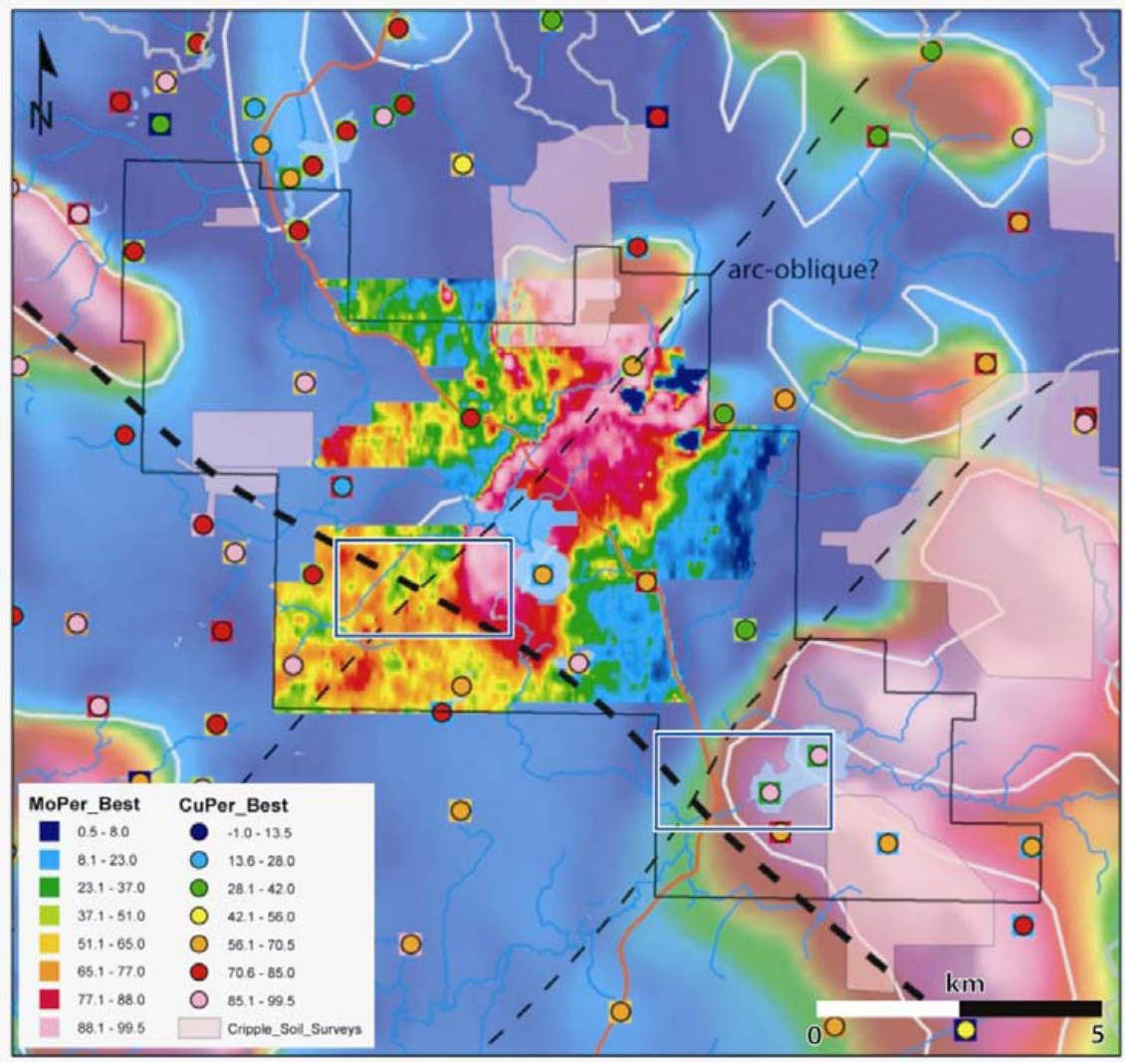

Figure 3. Locations of Cu and Mo lake anomalies, historic soil surveys, ground magnetic survey, and interpreted regional magnetic lineaments at Cripple. Blue boxes indicate areas of particular interest and the focus of the RIP survey.

6. Regional Geology

Quesnellia and Stikinia arcs host several similar aged alkalic intrusive centers and Cu-Au porphyry deposits as well as calc-alkalic Cu-(Mo-Au) porphyry deposits in the Canadian Cordillera (McMillan, 1991; Mortensen et al., 1995). The alkalic Cu-Au deposits are products of two discrete alkaline magmatic events, one at the end of the Triassic while the arc was outboard of ancestral North America in island-arc tectonic settings (McMillan, 1991) whereas the second in early Jurassic roughly corresponds to the amalgamation of the offshore arc with North America (Mortensen et al., 1995; Colpron and Nelson, 2007).

The Cripple property lies within the Quesnellia terrane and has been mapped in some detail by the British Columbia Geological Survey and the Geological Survey of Canada; e.g. Nelson and Bellefontaine (1996). In the region surrounding the Cripple property, Upper Triassic to Lower Jurassic Takla Group, Upper Paleozoic Cache Creek Group and Slide Mountain Terrane and Wolverine Metamorphic Complex rocks are exposed (Fig. 4; Oversized Figures) (Williams et al., 1996; Massey, 2005). The Takla Group consists of a number of successions including, the Slate Creek, the Plughat Mountain, the Witch Lake, and the Willy George. Two of these formations, the lnzana Lake and Witch Lake, underlie the Cripple property (Nelson and Bellefontaine, 1996). The Inzana Lake succession consists of sedimentary, pyroclastic and volcanic rocks, whereas the Witch lake succession is dominated by augite-phyric andesites. Although there are variations to the sequence, broadly the Takla Group represents an upward transition from basinal sediments through epiclastic to pyroclastic components, and finally to thick volcanic piles (Nelson and Bellefontaine, 1996). Late Oligocene or Miocene basalt flows occur south of Cripple. In the region, Takla rocks are cut by a variety of Triassic-Jurassic aged intrusion dominantly comprised of diorite, monzonite and syenite. Cretaceous age granodiorite also cuts Takla rocks to the northwest and southeast of the Cripple property. The Kalder Lake Intrusive, an early Jurassic diorite, cuts the north end of the Cripple property. The youngest intrusive rocks in the region are associated with the Eocene Eaglet Pluton, dated at 36ma, and crop out in the southeast corner of map sheet 93J (Nelson and Bellefontaine, 1996).

Post-accretion, regional scale dextral transcurrent faults bound and disrupt Quesnellia (McMillan, 1991). Block faulting and tilting are the dominant structural styles in the belt. Faults trend in a northwest and northeast direction. Folding is restricted to the eastern margin of the belt near its structural boundary with the Omineca Belt.

7. Property Geology

A handheld Garmin GPS Map 60CSX receiver in NAD83, zone 10 was used to record outcrop and sample location coordinates (Appendix 1). Outcrop within the Cripple property is largely obscured by unconsolidated cover, nevertheless, exposure was found on isolated hilltops in the northwest, southeast, and northeast portion of the claims (Fig. 5). Mapping was completed at several locations of previously noted exposures (ARIS 21736A, 1991) or areas of till veneer and subcrop. Several facies of coarse plagioclase-phyric diorite are exposed in the north of the property and are likely equivalent to Nelson and

Bellefontaine's (1996) Megacrystic Plagioclase Porphyritic Diorite suite. This suite comprises units that contain 5% to 25% subhedral to euhedral pale greenish plagioclase phenocrysts up to 2cm in length in a dark green fine-grained groundmass of hornblende, plagioclase and augite (~5%). Augite-phyric andesite and augite-bearing andesitic volcaniclastic as well as intermixed argillite were also noted on and near the Cripple property. These units likely belong to the Witch Lake succession. Quaternary glacial till covers the majority of the Cripple property, thus exposed outcrops are inferred to continue under covered areas. Outcrop maps illustrating lithology, alteration and vein assemblages, mineralization and structure are supplied in Appendix 2. Described below are the main areas mapped at Cripple (Fig. 5).

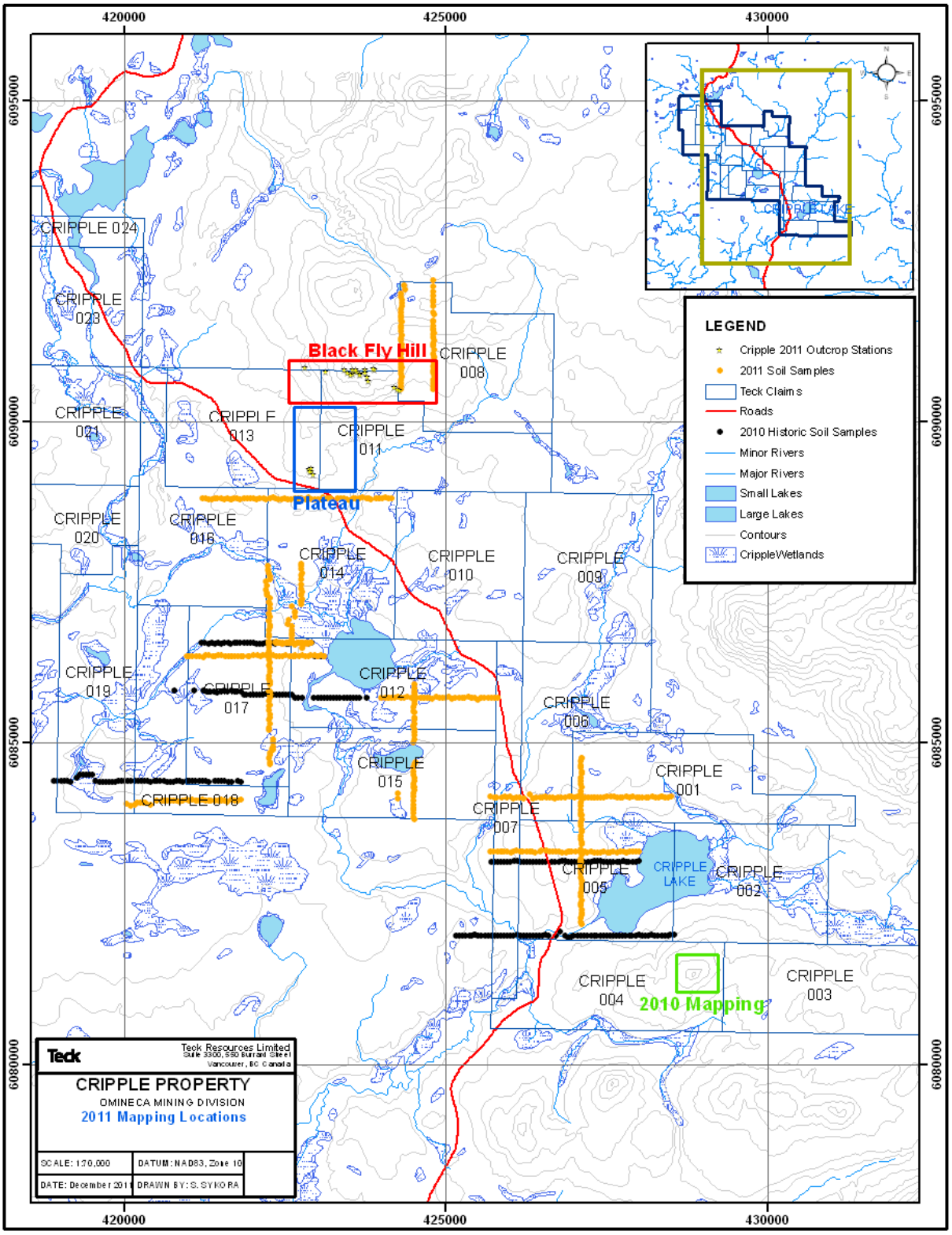

Figure 5. Locations of three main areas where geological mapping occurred at Cripple property in 2011/10

Lithology

North-east Plateau

Exposure in this area comprises subcrop within a recent (<5 years) clear cut (Fig. 5, Appendix 2). Three lithological units are present:

Mafic to intermediate coherent volcanic rock- A dark grey/green, mafic to intermediate composition, augite-phyric (roughly 0.5cm^2) with variable plagioclase and hornblende, coherent volcanic rock;

Intermediate coherent volcanic rock- A feldspar and hornblende phyric, with variable augite phenocrysts, mafic, porphyritic volcanic with foliations and local flow banding;

Trachyte with intermixed argillite and siltstones- And finally a package composed of a plagioclase-rich, hornblende, biotite, fine grained volcaniclastic, described in the field as trachyte. This unit has localized foliation defined by hornblende crystals, has a tuffaceous texture in select locations, and locally contains porphyritic clasts. Argillite / siltstones, and other volcaniclastic rocks, are intermixed with the plagioclase and hornblende-phyric trachyte.

Northern Black Fly Hill

Occurrence of outcrop is moderate to sparse (Fig. 5, Appendix 2). Subcrop occurs in the east part of the mapping area in recent clear cut. Steep slopes on the western edge of the mapped area provide the best exposure. Four lithological units were identified:

Megacrystic diorite- The centre and east of the mapped area consists of a megacrystic plagioclase (pale green, euhedral, 1-2cm^2), variably hornblende-phyric (~5-15%, <0.5cm^2), occasional augite-phyric, diorite with a phanerocrystalline dark green groundmass (Photo 1 and 2). The megacrystic plagioclase diorite is the dominate lithology in the area;

Photo 1. Megacrystic plagioclase and hornblende-phyric diorite in outcrop

Photo 2. Megacrystic plagioclase and hornblende-phyric diorite hand specimen

Crowded feldspar porphyry- Toward the western side of the mapped area a crowded feldspar-phyric (euhedral-subhedral; ~0.4cm; ~20-25%) and augite-phyric (~0.5-1cm; ~5%) volcanic rock occurs (Photo 3, 4, and 5). This unit has a variably hornblende content and a phanerocrystalline light green soft groundmass.

Photo 3. Crowded feldspar porphyry in outcrop

Photo 4. Crowded feldspar porphyry in outcrop

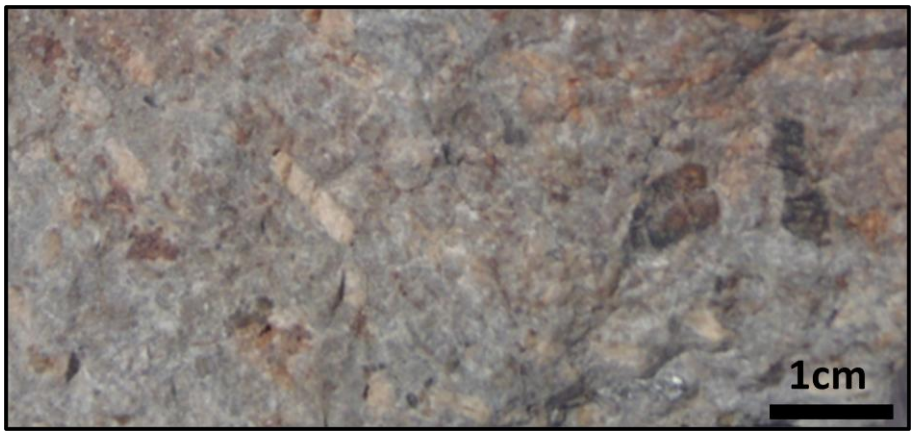

Photo 5. Crowded feldspar porphyry in hand specimen

Melanocratic fine grained diorite- A few outcrops consist of a melanocratic, plagioclase (<2mm; subhedral) phyric, variably augite (~1cm^2) and occasionally hornblende phyric, phanerocrystalline diorite (Photo 6).

Photo 6. Melanocratic fine grained diorite unit

Intermediate volcaniclastic- Lastly, a single outcrop of monomictic, light beige/grey coloured clay to sand sized, volcaniclastic sediments that is interpreted to be a felsic lapilli tuff is noted. This unit is locally in contact with the crowed porphyry unit (Photo 7).

Photo 7. Intermediate volcaniclastic unit in contact with the crowed porphyry unit

Alteration

Weak to moderate pervasive sericite altered and selective pervasive chlorite altered rocks are common throughout the majority of Black fly Hill. Intensity of alteration varies throughout the mapped (Appendix 2). Selectively pervasive epidote altered feldspar phenocrysts are consistently present (Photo 8). Epidote alteration intensity varies from weak to strong with proximity to epidote veins (as seen in the northern topographic hill at the edge of the property).

Photo 8. Selective epidote altered feldspars as consequence of epidote vein, near BC11SS059 (Appendix 1)

Weak pervasive sericite and chlorite altered rocks occur in the Plateau area (Appendix 2). The intensity of chlorite alteration varied through different lithological units. Weak pervasive calcite veinlets are present only in the western intermediate/mafic coherent volcanic rock. The trachyte, in the east, has been locally selectively pervasively clay altered.

Veins

Veining throughout Black fly Hill varies from absent to moderate. A series of mineralogically distinct vein assemblages were identified within the area, theses are: epidote veins; epidote-quartz veins; quartz-veins; calcite +/- epidote veins; and epidote-quartz-actinolite +/- limonite veins (Appendix 2). Only one location, BC1SS070 (Appendix 1), has epidote-quartz-actinolite veins (Photo 9). This station is proximal to areas of higher sulphide abundance than other localities. Epidote-quartz-actinolite veins have an en-Echelon like texture, and the actinolite occasionally resembles asbestoses form. In the margins epidote has locally replaced actinolite. Pyrite is trace and more commonly in the form of hematitic box-work within these veins.

Various larger epidote-calcite and epidote-quartz veins have a moderate pervasive chlorite altered halo. Chlorite has completely replaced hornblende phenocrysts in several localities. Veins are mostly barren of sulphides. Although in the west, trace hematite box-works are locally present within the milky white, sugary quartz veins.

Irregular vein walls with diffuse margins characterize the majority of veins at Black fly Hill. Due to the poor quality subcrop and paucity of outcrop, vein orientations were difficult to ascertain, therefore only a select amount of measurements were recorded. In the west, white, sugary, quartz veins trend 340°-350°/62°-82°. In all localities, when present, epidote, epidote-quartz, and epidote-quartz-actinolite veins trend roughly north-south with deviations to the southwest but dominantly northeast, striking 160°-200°/60°-90°.

Photo 9. Actinolite-quartz-epidote veins at station BC11SS070 (Appendix 1)

Mineralization

Sulphides are scarce throughout most of Black Fly Hill and dominated by pyrite. On average trace to one per cent pyrite occurs, haloing and within limonitic fracture surfaces as small blebs or disseminations. Several subcrops/outcrops located around the central northeast area have trace chalcopyrite+/-malachite+/-cu oxide on fracture faces. A pervasive, dissemination of pyrite was not common and only present in a few outcrop locations, where the average is trace to one per cent. The rocks have been subjected to moderate to intense fracturing resulting in limonite staining in areas where sulphide minerals were present (Appendix 2).

Weak disseminated pyrrhotite and pyrite, toward the east of the mapped area, are locally present in the Plateau area. Similarly, moderate limonite is also present in the eastern half of this mapped area (Appendix 2).

Structure

At Black fly Hill elongation of feldspars in the megacrystic diorite defined foliation in several outcrops (Photo 10), with a northeast to north-northeast trend. Most outcrops are massive, therefore show no preferred orientation. No faults were conclusively mapped out. Several northwest trending one-to-two metre deep gullies located in the south end of Black Fly Hill, however, are perhaps indicative of structures (Appendix 2).

Photo 10. Elongations of feldspars crystals defining foliation seen in station BC11SS074 (Appendix 1).

Interpretations

Lithological units mapped at Black Fly Hill are consistent with Nelson and Bellefontaine (1996)'s reported units of the early Jurassic Kalder pluton megacrystic plagioclase porphyritic diorite suite. The megacrystic diorite unit is inferred to overlap with a ground magnetic high identified in the Teck 2010 survey. Rocks in the Plateau area are consistent with Witch Lake flows belonging to the Takla Group, as reported by Nelson and Bellefontaine (1996).

Alteration mapped at Black Fly Hill is compatible with greenschist metamorphic facies or distal propylitic alteration, though lack of widespread mineralization suggests the latter is less likely. The actinolite-epidote-quartz-chlorite-calcite veins, an indicant of high

temperature of formation, are likewise in consistent with greenschist metamorphism. Epidote vein density seems to increase to the north in the northwest part of Black Fly Hill.

Sulphides at Black Fly Hill are generally limited to disseminated and blebby pyrite halos on limonitic fractures, and occasionally as hematitic box-work in milky white, sugary quartz veins. Trace chalcopyrite and malachite are present in a just a few localities but are not widespread.

Both alteration and mineralization appear to be more abundant along the fringes of a large regional high amplitude magnetic feature, which is interpreted as the megacrystic feldspar porphyry facies of the Kalder pluton (Fig. 6).

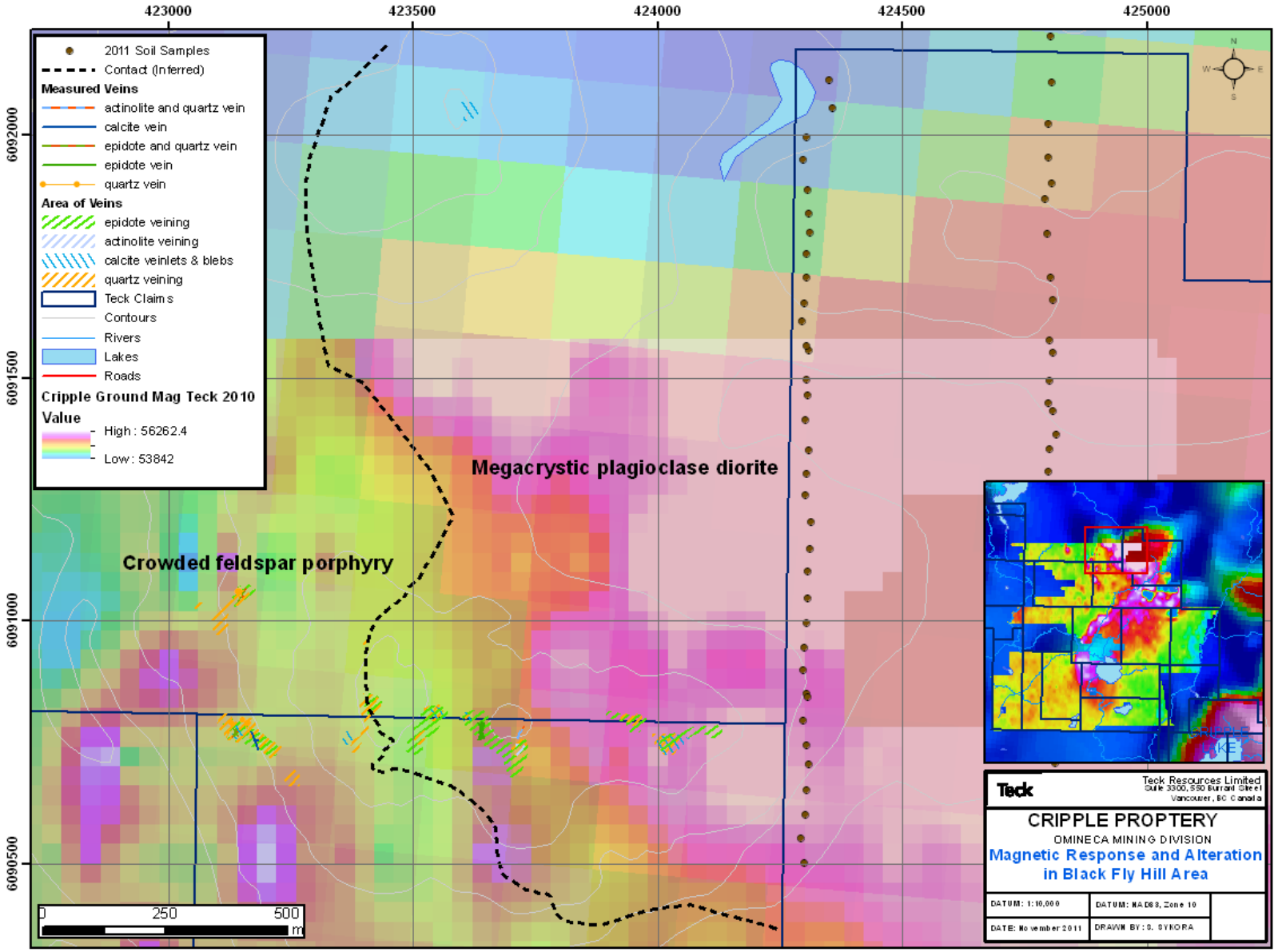

Figure 6. Mapped and inferred contact between the megacrystic diorite and crowded feldspar porphyry.

8. Whole Rock Geochemistry

Sample location and descriptions are reported in Appendix 1. Geological maps along with plots of Cu and Au concentrations in whole rocks samples are in Appendix 2. Acme labs certificates are reported in Appendix 3.

All but one of the samples of coherent and volcaniclastic rocks plot in the alkaline field. Samples of megacrystic feldspar porphyry cluster in the syeno-diorite field as do most of the samples of crowded feldspar porphyry (Fig. 7); suggesting they have common source magma. The intermediate volcaniclactic rocks, on average, contain more SiO_2 (Fig. 7). One sample of crowded feldspar porphyry which contained quartz vein material has elevated SiO_2. Based on the data presented, the megacrystic feldspar porphyry and crowded feldspar porphyry are likely part of the same plutonic complex; i.e. the Kalder pluton (Nelson and Bellefontaine, 1996). It is important to note, however, that most of the samples taken have undergone propylitic alteration and contain some epidote ± quartz veins which can be problematic when interpreting classification diagrams.

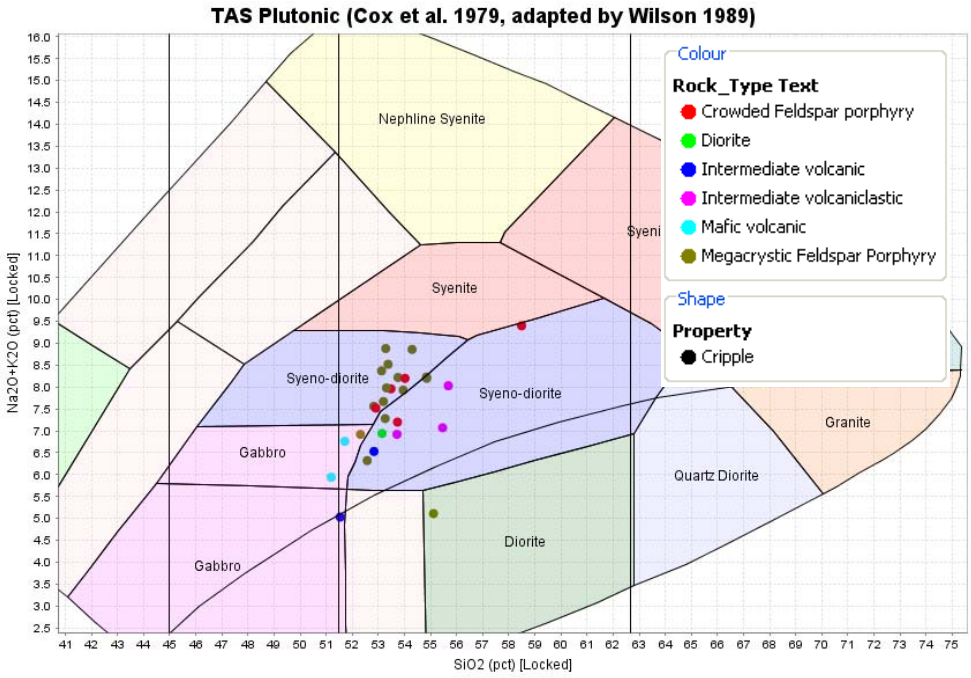

Figure 7. Total alkali versus silica plot for coherent and volcaniclastic rocks in the mapped area at Cripple.

Summary statistics of ore elements in coherent and volcaniclastics rocks are presented in Table 2. The highest Cu value from rocks in the mapped area is 192 ppm (Table 2). In general, domains where epidote ± quartz ± carbonate ± veining with pyrite is more abundant Cu is elevated (Fig. 8). Rocks with elevated Pb and Zn values appear to be somewhat antithetic to domains Cu enrichment and the presence of actinolite veining (Fig. 8).

Table 2. Summary of whole rock geochemistry for key elements

	Cu_ppm	Mo_ppm	Pb_ppm	Zn_ppm	Au_ppb
Count Numeric	36	36	36	36	26
Minimum	3.07	0.1	0.69	27.3	0.1
Maximum	192.26	2.97	12.99	90.8	209.1
Mean	86.80333	0.900833	5.100556	49.15278	14.83077
Median	79.575	0.795	4.2	43.5	1.85
Standard Deviation	46.29634	0.690662	2.984751	16.95364	43.5204
Interquartile Range	69.64	1.08	3.9775	29.075	4.625
Range	189.19	2.87	12.3	63.5	209
5 percentile	7.201	0.1085	1.863	28.405	0.135
75 percentile	123.955	1.42	6.8225	64.9	5.55
90 percentile	144.741	1.925	9.659	74.39	40.3
95 percentile	157.869	2.29	12.565	82.215	168.395
99 percentile	192.26	2.97	12.99	90.8	209.1

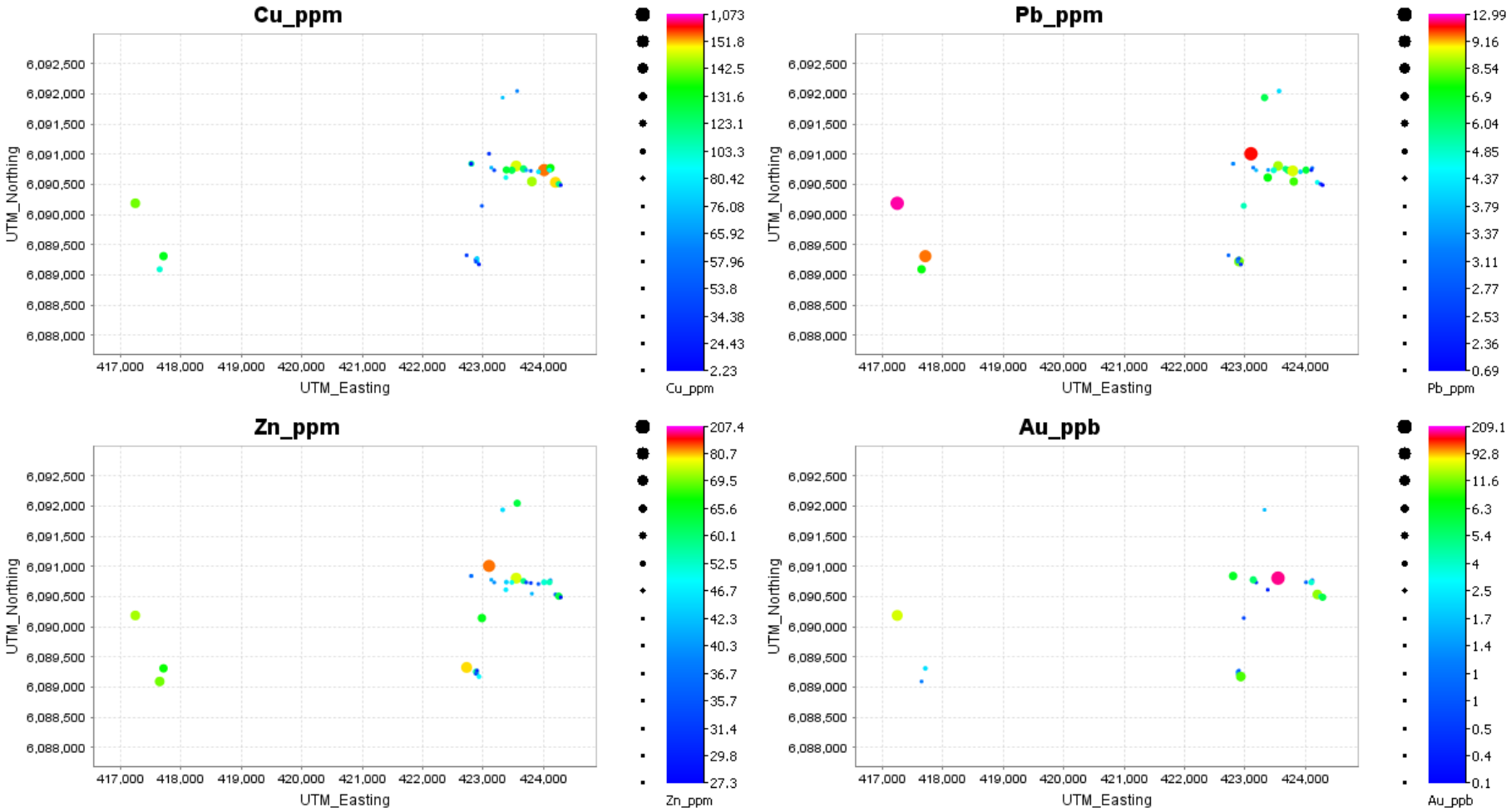

Figure 8. Maps of Cu, Pb, Zn and Au from rocks in the north part of the Cripple property. Element maps are illustrated in Appendix 2 at a scale of 1:10,000.

In a plot of the conserved elements Al_2O_3 and Zr, samples of megacrystic feldspar porphyry and crowded feldspar porphyry form two arrays of data with some overlap (Fig. 9). Samples of the megacrystic feldspar porphyry form a tighter cluster, where as the crowded feldspar porphyry and diorite have a greater range of Al_2O_3 and Zr values. The Al_2O_3 and Zr variation in the latter group could be the result of either mass gain or mass loss associated with alteration and veins, however, the samples >120 ppm Zr are potentially from a compositional distinct sub population. Based on cross cutting observations, and assuming Zr concentrations increase with fractionation and conservation of immobile elements, the younger megacrystic feldspar porphyry unit is more evolved and relatively elevated in Cu compared to crowded feldspar porphyry and equigranular diorite (Fig. 9).

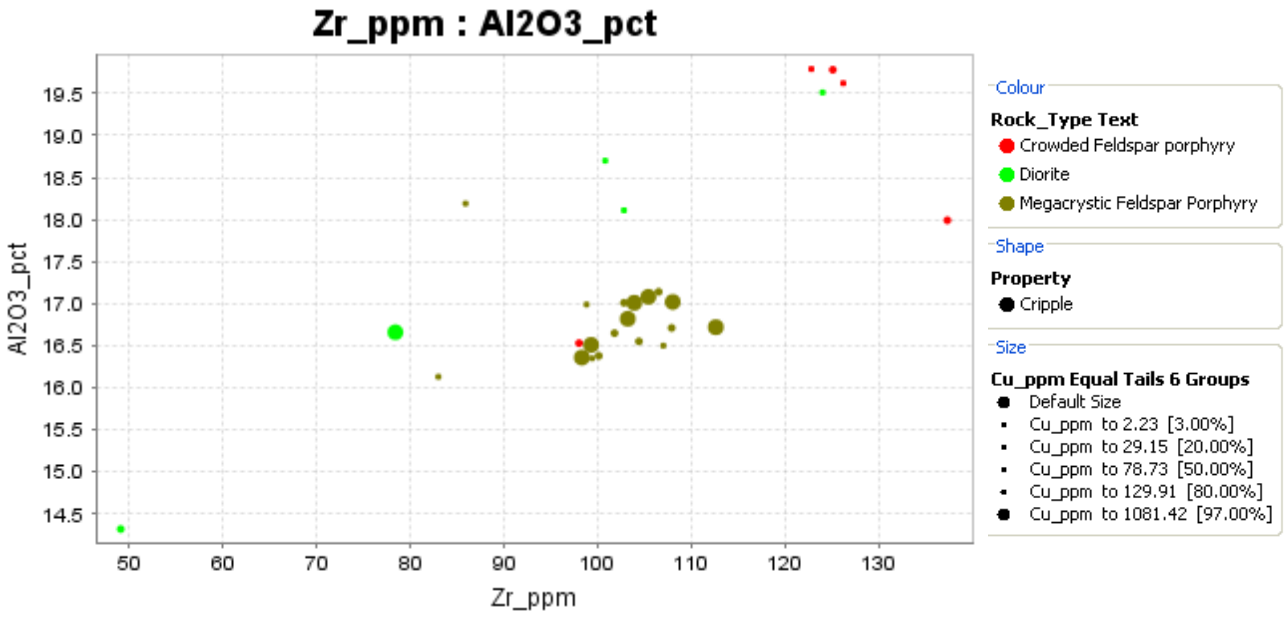

Figure 9. Al_2O_3 versus Zr for select coherent units at Cripple.

9. Reconnaissance Induced Polarization Survey

The reconnaissance Induced Polarization (RIP) survey was carried out using vector IP method on two survey areas comprising 21.1 kilometres squared in total (Fig. 10; Appendix 4). Two current electrodes were placed in a north south orientation in both survey areas. Two sets of electrodes 100 metres in length at 90 degree angles were then measured at each station. Stations were spaced in an approximate 500 meter grid within the survey areas (Appendix 4). In order to maximize signal, the electrodes were orientated at 45 degrees to the current electrodes. Measurement of primary voltages and chargeability were obtained at the station. Specific details of the survey configuration are reported in Appendix 4 along with chargeability and resistivity maps at a scale of 1:10,000.

Results

No discrete chargeable domain is apparent in the northwest survey area (Fig. 10, Appendix 4). Chargeability increases to the west forming a broad anomalous zone that is perhaps in response to a chargeable formation. Resistivity throughout much of the area is relatively low. A more conductive domain, approximately 900 by 1000 meters occurs in the east part of the northwest survey area and is coincident with a chargeability low.

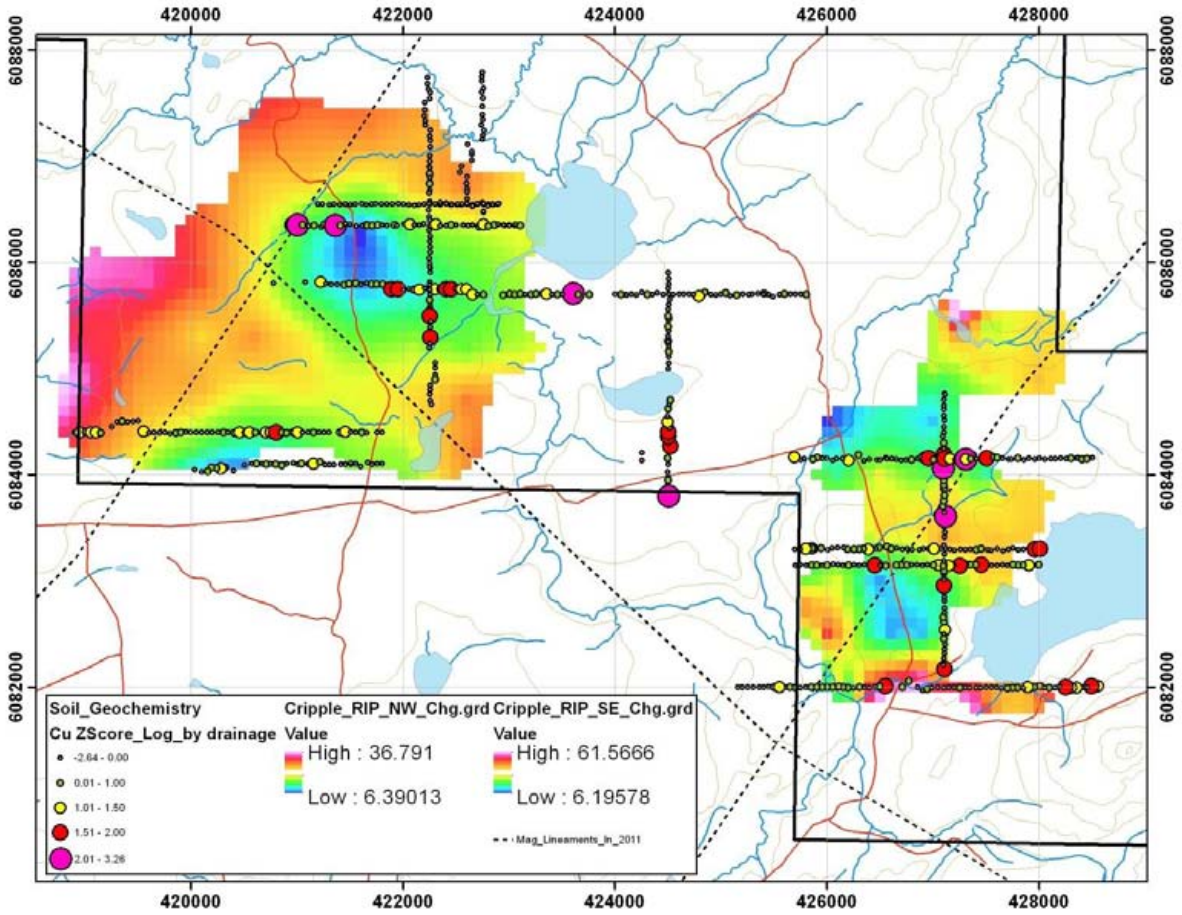

Figure 10. Chargeability in the RIP survey areas and levelled by drainage Cu Z-Scores in Ah horizon soil. Chargeability and resistivity maps with station values are reported in Appendix 4 at a scale of 1:10,000.

A moderate (~500 meter wide) chargeability anomaly of interest occurs in the southeast survey on the northwest side of Cripple Lake (Fig. 10, Appendix 4). This feature is associated with conductive rocks. A pole-dipole survey (Line 6400E; Appendix 4) tested this RIP chargeable anomaly but was unable to reproduce the feature. The resistivity response of the pole-dipole line is, however, consistent with the resistivity in the RIP survey. The discrepancy could be caused by chargeable rocks that are too deep for the pole-dipole survey to observe.

10. Soil Geochemistry

Sampling and analytical methodology and procedures

The deep penetrating soil geochemical program in 2011 comprised of 573 Ah and 487 Ae samples (including duplicates), along 28 line kilometres, was conducted to better define 2010 anomalies and extend the soil sampling coverage (Appendix 5). Samples were collected at 50 metre intervals over the target areas and 100 m intervals towards the end of the survey lines. Sampling procedures and methodology used at the Cripple property draw from Heberlein's (2010a, b and c) studies at the Mt Milligan and Kwanika porphyry Cu-Au deposits in BC. Decomposed organic material at the top of the mineral layer (i.e. Ae, Aej, Bm, B or C-horizons) was taken as an Ah sample. Care was taken to excluding LFH material. Survey lines were shifted to avoid swampy ground and peaty soils. Five to six samples per site were composited into one Kraft soil-sample bags and labeled with sample numbers. Mineral material at the organic-mineral soil interface was collected and placed in a single Kraft soil-sample bags for pH analysis. Horizons sampled for pH analysis varied from site-to-site but were generally an Ae or B. Soil sample location coordinates were recorded by hand held Garmin GPSMap 60CSX receiver in NAD83, zone 10 (Appendix 5).

Ah samples were analyzed at ACME Labs Vancouver. Sample preparation procedures of Ah horizon soil material at AMCE Labs were to: 1) Dry at 60 degrees C; 2) sieved (SS80); and 3) Analysis by Group 1F 06 Aqua Regia/ICP-MS (30 gram sample; full suite). A 10 gram charge was used where there was insufficient sample for 30 grams. Sample preparation for Ah samples in 2010 (ARIS 31830) differed from techniques used in 2011. The pH of Ae samples were measured in make-shift labs in the field. The Euteck Instruments Oakton Waterproof pH Tester 30 was used to take the pH measurements.

Results

Soil horizons samples and pH data are tabulated in Appendix 5. Sample location along with pH, Cu and Au values are plotted in maps in Appendix 6. Corresponding ACME certificates for Aqua Regia analysis of Ah samples are in Appendix 7.

The pH and acidified pH values of soil are plotted along with Cu and Au results for Ah soil samples at Cripple on maps in Appendix 5. Summary statistics for the 2011 Ah geochemistry key elements are in Table 3 and their histograms shown in figure 11. Topography and drainage of the sample site can strongly influence background metal values (Heberlein, 2010), thus these factors should be accounted for when interpreting the results (Fig. 12).

Table 3. Summary statistics of the 2011 Ah soil sampling survey.

	Cu_ppm	Mo_ppm	Zn_ppm	Pb_ppm	Ag_ppb	Au_ppb
Count Numeric	573.0	573.0	573.0	573.0	573.0	573.0
Count Text	0.0	0.0	0.0	0.0	0.0	0.0
Count Null	72.0	72.0	72.0	72.0	72.0	72.0
Count Negative	0.0	0.0	0.0	0.0	0.0	0.0
Count Zero	0.0	0.0	0.0	0.0	0.0	0.0
Minimum	3.9	0.5	13.3	1.4	7.0	0.1
Maximum	94.2	16.6	316.7	60.5	5642.0	81.8
Mean	15.7	1.5	80.1	6.0	519.9	1.2
Median	12.5	1.4	66.7	5.8	450.0	0.7
Standard Deviation	9.9	0.9	48.4	3.0	411.5	4.0
Interquartile Range	9.9	0.6	54.8	2.1	366.0	1.2
Range	90.3	16.1	303.4	59.1	5635.0	81.7
25 percentile	9.0	1.1	46.1	4.8	292.0	0.2
75 percentile	18.9	1.7	100.9	6.9	658.0	1.3
90 percentile	28.8	2.1	143.9	8.1	928.8	2.3
95 percentile	34.5	2.6	173.1	8.9	1153.4	3.9
99 percentile	49.5	4.6	275.8	10.9	1910.8	9.0

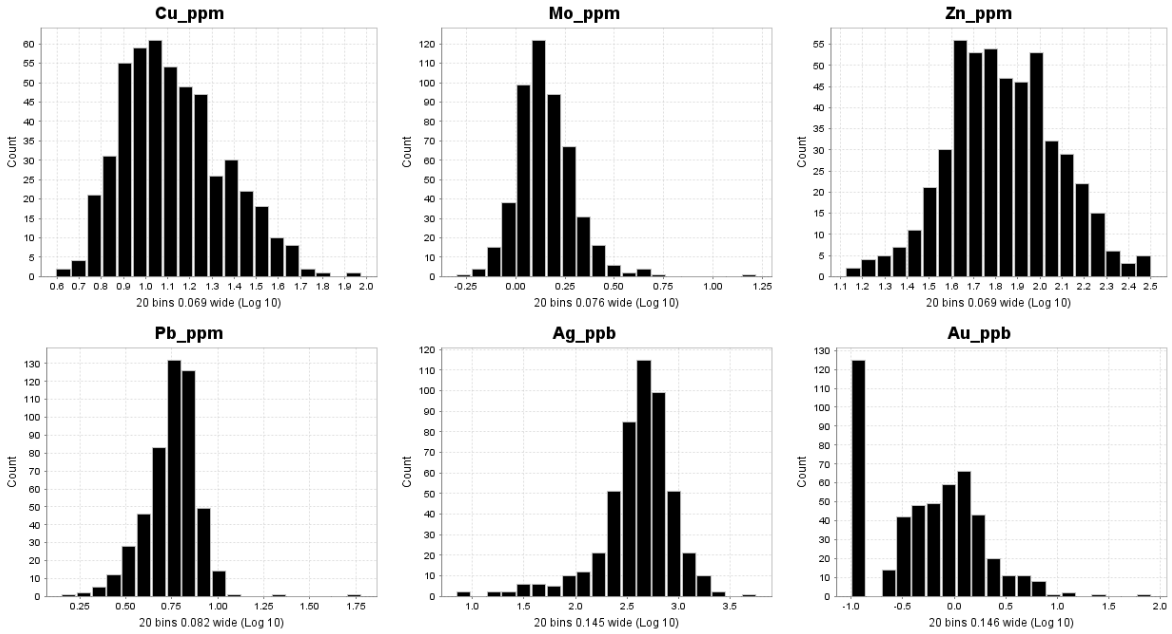

Figure 11. Histograms of select ore elements in Ah horizon soil samples.

Most of the key elements have a log normal distribution (Fig. 11) and several outliers are evident for Cu, Mo, Ag and Au. Copper has an arithmetic mean of 15.7 ppm and a maximum of 94.2 ppm (Table 3). Mo values are relatively low and the maximum Au value is 81 ppb, about 80 times the mean Au value. Anomalies apparent in leveled 2010 soil data were not consistently reproduced in the 2011 survey.

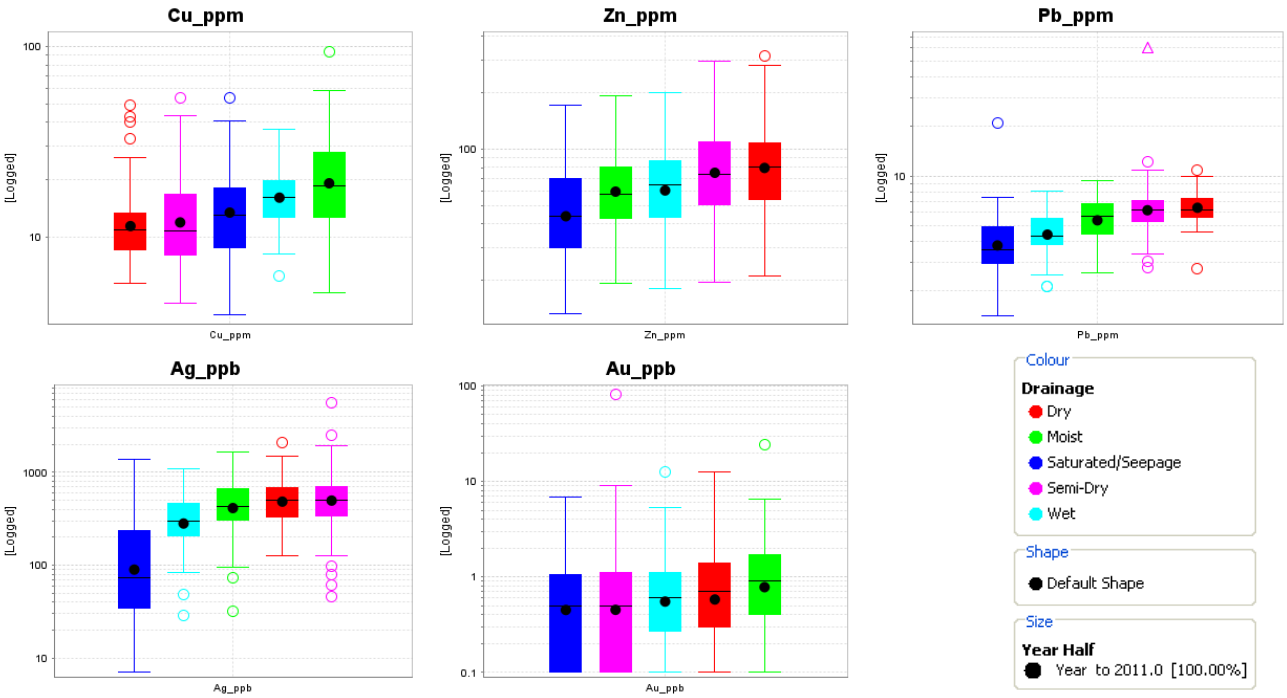

Figure 12. Box and whisker plots of key ore elements attributed by sample site drainage.

Interpretations

Sample site drainage appears to be a controlling factor on ore and pathfinder element concentration in Ah soil, though for some elements more than others (Fig. 12). Thus, in order to account for such variations, Z-Score values were calculated according to value-mean/standard deviation per sample site drainage sub-populations. Z-Score values were also calculated for the 2010 data by the same feature to permit comparison. The resulting data is less biased by local variations in topography, which can cause hydromorphic influence on soil geochemistry that create false anomalies.

No anomalies comprising several adjacent samples with multi-element anomalies are associated with IP features of interest (Fig. 13). Anomalies identified in 2010 in the northwest

area were not reproduced in the 2011 survey (labelled A in Fig. 13). This discrepancy is perhaps attributed to hydromorphic influence on samples collected too close to drainages or boggy areas. The different sample preparation techniques (milling versus sieving) as well as data leveling between the 2010 and 2011 sampling campaigns are also likely factors. The area labeled B in figure 13 is anomalous in Cu, Mo, and Sb across a few samples. Several apical multi-element anomalies are present on two intersecting soil lines within the southeast survey area (labeled C in Fig. 13), though they do not form a coherent anomaly. Samples highly anomalous in Cu occur on two lines along a break-in-slop in the Black Fly Hill area (labeled C in Fig. 13). This area was not obviously boggy, however, a review of the terrain and satellite imagery suggest the fairly flat ground could be a seepage zone for the hill side to the north. The anomaly labeled E in figure 13 does not appear to be influenced by hydromorphic process.

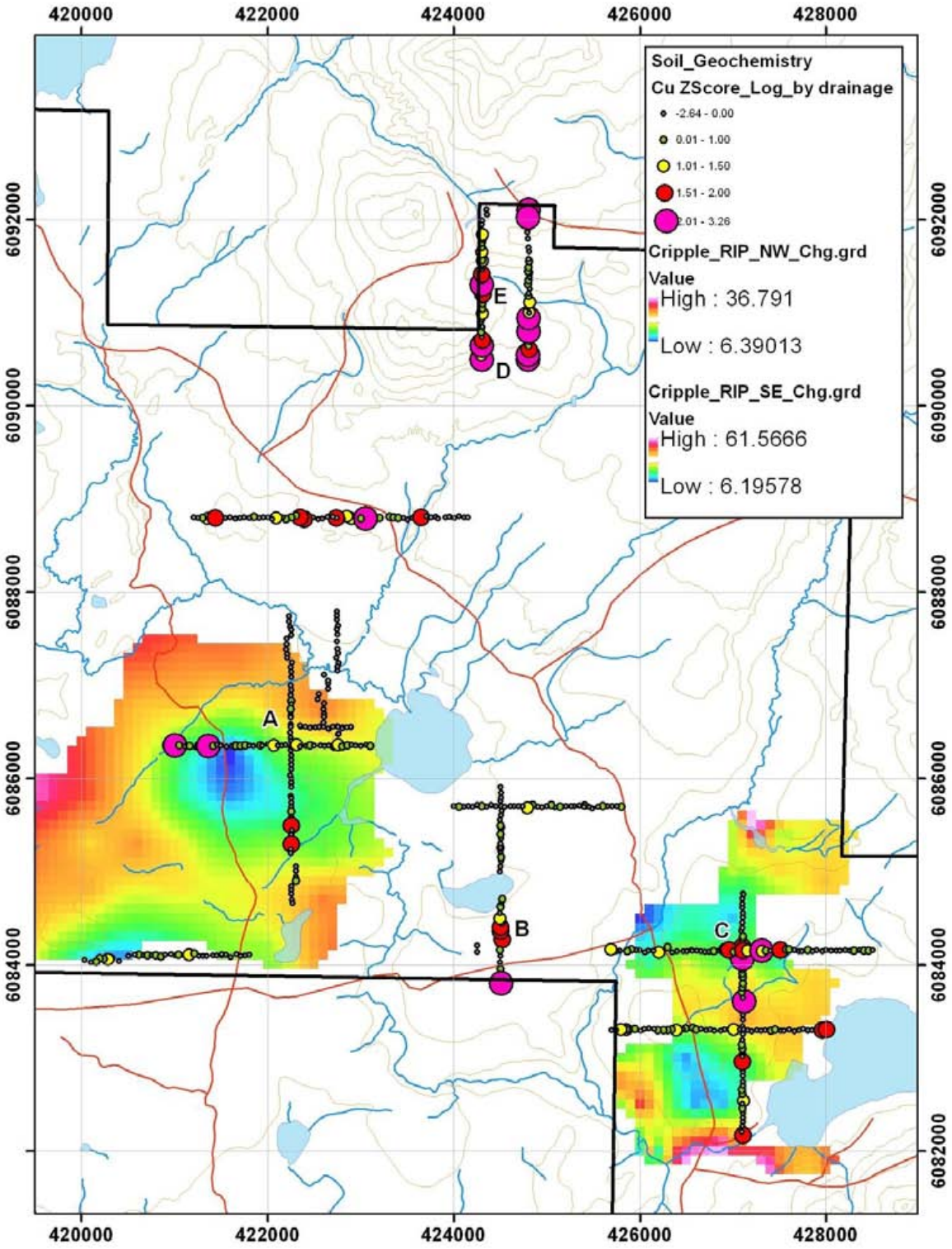

Figure 13. Ground RIP survey and 2011 Cu Z Scores levelled by drainage feature.

11. Conclusions and Recommendations

Weak base metal mineralisation appears to be associated with pyrite-bearing epidote ± quartz ±calcite veins and epidote-chlorite alteration in the Black Fly Hill and Plateau areas. Based on available exposure and contacts inferred from magnetic surveys, the hydrothermal activity appears to have occurred at the fringes of the megacrystic feldspar-phyric syeno-diorite intrusion. Copper oxide is associated with actinolite (fibrous)-bearing quartz-epidote veins, but this is not a typical porphyry assemblage.

The Max and K2 minfile occurrences are located ~8 kilometers from the Balck Fly Hill area and are mapped as diorite (Nelson and Bellefontaine, 1996). Like the megacrystic feldspar-phyric syeno-diorite, the diorites mapped by Nelson and Bellefontaine (1996) are characterized by high amplitude magnetic response in the regional survey. Alteration halos, roughly centered on the minfile occurrences and diorite intrusions, are reported by Nelson and Bellefontaine (1996). Thus, the alteration and mineralisation seen at Black Fly Hill is comparable to the Max and K2 Cu occurrence. We interpret the weak alteration and base metal mineralisation at Black Fly Hill to be related to contact metamorphism, and the development of a weak hydrothermal system, associated with the emplacement of the Kalder Pluton. Furthermore, the alteration and mineralisation seems to lack extent and intensity.

The anomaly labeled E in figure 13 is likely in response to mineralisation undercover that is similar in tenor and style to that exposed to the west on Black Fly Hill. Groundwater interacting with this mineralized zone may be the source of the Cu anomalies that are situated down hydrological gradient (labeled D in Fig. 13).

Coincident IP and soil geochemical anomalies are not recognized within the main areas of interest at the Cripple property, though two small multi-element Ah soil targets are apparent (B and C in Fig. 11) and remain untested. The whole rock and soil anomalies in the Black Fly Hill and Plateau areas seem to be associated with weak alteration, veining and mineralisation that is interpreted to be related to contact metamorphism and a weak hydrothermal activity caused by the emplacement of the Kalder pluton, and not a porphyry related system. Several issues remain unresolved; principally the source of metals for the Cu (RGS) anomalies in Cripple Lake, and the cause of the chargeability anomaly in the southeast RIP survey area (which appears to be deep). At this time, however, no additional work is recommended at the Cripple property.

12. References

Colpron, M., and Nelson, J.L., 2007, Tectonics and metallogeny of the British Columbia, Yukon and Alaskan Cordillera, 1.8 Ga to the present, in Goodfellow, W.D., ed., Mineral Deposits of Canada: A Synthesis of Major Deposit-Types, District Metallogeny, the Evolution of Geological Provinces, and Exploration Methods: *Geological Association of Canada, Mineral Deposits Division, Special Publication 5, p. 755-791.*

Heberlein, D.R., 2010a, Comparative study of partial and selective extractions of soils over blind porphyry copper-gold mineralization at Kwanika and Mount Milligan, central British Columbia: fieldwork, soil conductivity and pH results: *Geoscience BC, Summary of Activities 2009, Report 2010-1 p.11-24.*

Heberlein, D.R. and Samson, H., 2010b, An Assessment of Soil Geochemical Methods for Detecting Copper-Gold Porphyry Mineralization through Quaternary Glaciofluvial Sediments at the Kwanika Central Zone, North-Central British Columbia: *Geoscience BC, Report 2010-3.*

Heberlein, D.R., 2010c, An Assessment of Soil Geochemical Methods for Detecting Copper-Gold Porphyry Mineralization through Quaternary Glaciofluvial Sediments at the WBX-MBX and 66 Zones, Mt. Milligan, North-Central British Columbia: *Geoscience BC, Report 2010-08.*

Nelson, J.L. and Bellefontaine, K.A., 1996, The Geology and Mineral Deposits of North-Central Quesnellia; Tezzeron Lake to Discovery Creek, Central British Columbia. B.C: *Ministry of Employment and Investment, Energy and Minerals Division, Geological Survey Branch. Bulletin 99, 112 pages.*

Massey, N., 2005, Bedrock_bc_alb, Vector Digital Data. *BC Ministry of Energy & Mines, Geological Survey Branch*. http://www.em.gov.bc.ca/DL/BC_maps/shp/bedrock_bc-alb.zip

McMillan, W.J., 1991, Tectonic Evolution and Setting of Mineral Deposits in the Canadian Cordillera: *BC Ministry of Energy, Mines and Petroleum Resources, Ore Deposits, Tectonics and Metallogeny in the Canadian Cordillera, Paper 1991-4.*

Mortensen, J.K., Ghosh, D.K. and Ferri, F., 1995, U-Pb geochronology of intrusive rocks associated with copper-gold porphyry deposits in the Canadian Cordillera: In Schroeter, T, ed., Porphyry Copper (± Au) Deposits of the Northern Cordillera: Canadian Institute of Mining and Metallurgy Special Volume 46, p. 142-158.

Tipper, H.W., 1971, Glacial geomorphology and Pleistocene history of central British Columbia. *Geologic Survey of Canada,* Bulletin 196, Map 1287A; 1288A, scale 1:250 000.

Williams, S.P., Ballantyne, B., Balma, R., Bellefontaine, K., Dunn, C, Ferri, F., John Grant, J., Plouffe, A., Shives, R., Sibbick, S., and Struik, B., 1996, Quesnel Trough: A Digital Suite of Geoscience Information (NTS Map Sheets 093K, 093N, 093O, 093J & 094C): *BCMEMPR Open File 1996-19 / GSC Open File 3273*

13. Statement of Qualifications

Kevin Byrne, MSc., BA. Mod.,

I, Kevin Byrne of Apt. 512, 1405 W15th, Vancouver BC, Canada, do hereby certify the following:

- I am a geologist employed by Teck Resources Ltd. Vancouver

- I have been practicing my profession continuously since graduation in 2004 as a geologist in Ireland, Mongolia and Canada.

- I am a graduate of The University of British Columbia, Canada with a research based Masters completed, 2009.

- I am a graduate of Trinity College Ireland, with a 1st (honors) Bachelor of Art Mod. Degree (Geology), 2004.

- I was the project geologist at the Cripple property in 2011, and that data contained in this report, and interpretations drawn from it, are true and accurate to the best of my knowledge.

Stephanie Sykora, BSc.

I, Stephanie Sykora of 40425 Thunderbird Ridge, Squamish BC, Canada, do hereby certify the following:

- I am a geologist employed by Teck Resources Ltd. Vancouver.

- I have been practicing my profession continuously since graduation in May 2011 as a geologist in Canada (B.C. and Ontario).

- I am a 2011 graduate of The University of Victoria, Canada with a Bachelor of Science with distinctions, Major in Earth Science completed.

- I was a field geologist at the Cripple property in 2011, and that data contained in this report, and interpretations drawn from it, are true and accurate to the best of my knowledge.

14. Cost Statement

Field Costs			Totals
Courier, Postage & Freight			$528.79
Sampling supplies and equipment			$5,049.90
Maps & Prints			$533.95
Office & Drafting - Costs & Supplies			$131.96
Telecommunications			$1,086.40
Helicopter			$5,329.53
Travel - Commercial Aircraft			$1,808.97
Vehicle - Rental/Lease Costs			$3,164.00
Vehicle - Operating/Maintenance Costs			$11,921.49
Meals			$7,296.79
Accommodation			$5,911.22
Invoiced Costs			
Line Cutting and Flagging			$0.00
Acquisition of RIP (Wallcott Geophysics)			$53,480.25
Geophysics -Processing			$3,200.00
Geochemistry- Acme Labs			$18,514.21
Community Engagment			$14,384.59
Staffing	**Day rate**	**Days**	
Senior Manager	$640.00	5	$3,200.00
Project Geologist (Kevin Byrne)	$540.00	40	$21,600.00
Field Geologist (Stephanie Sykora)	$340.00	36	$12,240.00
Field Geologist (Tyler Lamb)	$360.00	18	$6,480.00
Field Geologist (Semyon Martynenko)	$320.00	30	$9,600.00
Geochemists assistant (Leah Christe)	$300.00	25	$7,500.00
Field Technician (Nanthan Seymour)	$200.00	34	$6,800.00
Field Technician (Ronald Monk)	$200.00	34	$6,800.00
	Project Total		**$206,562.05**

Oversized Maps and Figures

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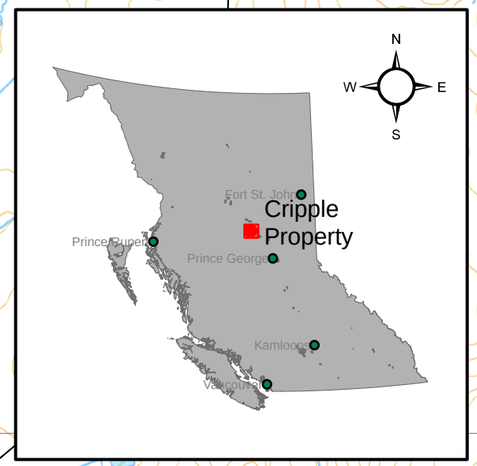


Legend

- Cripple Claims
- Major Road
- Road
- River
- Contour
- Lake
- Wetland

0 0.5 1 2 3 4 5
Kilometers

Teck Resources Limited
Suite 3300, 550 Burrard Street
Vancouver, BC Canada

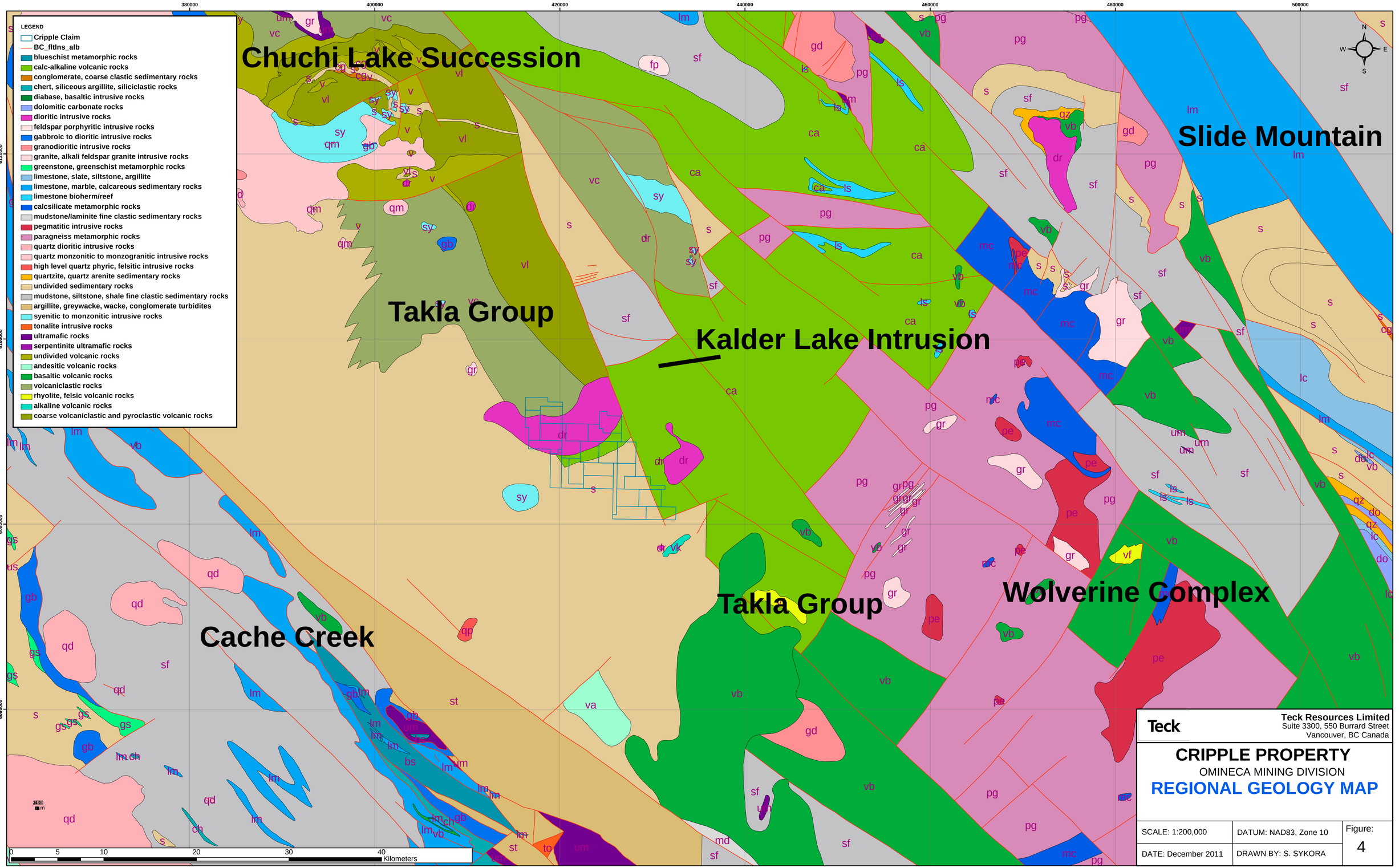
CRIPPLE PROPERTY

OMINECA MINING DIVISION

CLAIM LOCATION MAP

DATUM: NAD83, Zone 10

SCALE: 1:50,000	NTS: 093K16	Figure: 2
DATE: Decemberr, 2010	DRAWN BY: S. POPE	



Teck

Teck Resources Limited
Suite 3300, 550 Burrard Street
Vancouver, BC Canada

CRIPPLE PROPERTY

OMINECA MINING DIVISION

REGIONAL GEOLOGY MAP

SCALE: 1:200,000	DATUM: NAD83, Zone 10	Figure: 4
DATE: December 2011	DRAWN BY: S. SYKORA	

Appendix 1: Outcrop Station Data

Station Number	UTM Easting	UTM Northing	Whole Rock Sample ID	Job Number	Sample Source	Rock Type 1	Rock Name
BC11KB021	429018.00	6079479.00			OC		
BC11KB023	429114.00	6079464.00			OC		
BC11KB024	429405.00	6079496.00			OC		
BC11KB025	429858.00	6079544.00			OC		
BC11KB026	429858.00	6079553.00			OC		
BC11KB027	430082.00	6079322.00			OC		
BC11KB029	430259.00	6079482.00			OC		
BC11KB031	430529.00	6079275.00			OC		
BC11KB032	430596.00	6079294.00			OC		
BC11KB033	430964.00	6079300.00			OC		
BC11KB034	431046.00	6079283.00			OC		
BC11KB035	431137.00	6079174.00			OC		
BC11KB036	431217.00	6079007.00			OC		
BC11KB037	431421.00	6088436.00			OC		
BC11KB038	431491.00	6088270.00			OC		
BC11KB039	431549.00	6088270.00			OC		
BC11KB040	431734.00	6088074.00			OC		
BC11KB041	431961.00	6087991.00			OC		
BC11KB043	432319.00	6087851.00			OC		
BC11KB045	432136.00	6088420.00			OC		
BC11KB046	432031.00	6088691.00			OC		
BC11KB047	417343.00	6090132.00			OC		
BC11KB048	417343.00	6090132.00			OC		
BC11KB049	416380.00	6086736.00			OC		
BC11KB050	415961.00	6086765.00			OC		
BC11KB051	415961.00	6086765.00			OC		
BC11KB052	415751.00	6086593.00			OC		
BC11KB053	415628.00	6086202.00			OC		
BC11KB054	416069.00	6086116.00			OC		
BC11SS044	422729.00	6089327.00	**1080534**	VAN11003562.1	SC	Coherent	Volcaniclastic
BC11SS045	422749.41	6089241.62			F	Coherent	granite
BC11SS046	422882.00	6089220.92	**1080536**	VAN11003562.1	OC	Clastic	Intermediate Volcaniclastic
BC11SS047	422932.83	6089176.12	**1080537**	VAN11003562.1	F	Coherent	Intermediate Volcanic
BC11SS048	422943.91	6089174.25			F	Coherent	Diorite
BC11SS049	422982.31	6090146.07	**1080538**	VAN11003562.1	OC	Coherent	Intermediate Volcanic
BC11SS050	422685.00	6089320.26			OC	Coherent	Intermediate Volcanic
BC11SS051	422721.00	6089275.00			OC	Clastic	Intermediate volcaniclastic and intermixed argillite
BC11SS052	422887.00	6089171.00			OC	Clastic	Intermediate volcaniclastic and intermixed argillite

Station Number	UTM Easting	UTM Northing	Whole Rock Sample ID	Job Number	Sample Source	Rock Type 1	Rock Name
BC11SS053	422940.00	6089227.00			OC	Coherent	hbl & plag +/- augite phyric volcanic with local foliations
BC11SS054	425671.86	6090232.92					
BC11SS055	424200.00	6090550.00			OC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS056	424088.31	6090632.66			OC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS057	424019.69	6090650.41			SC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS058	423989.92	6090715.36			SC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS059	424012.64	6090737.01	**1080003**	VAN11003924.1	SC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS060	424043.65	6090729.92			OC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS061	424074.00	6090720.00			OC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
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BC11SS063	424115.96	6090771.43	**1080005**	VAN11003924.1	OC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS064	423919.50	6090709.54	**1080006**	VAN11003924.1	SC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS065	423906.00	6090600.00			OC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS066	423830.25	6090557.46			OC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS067	423809.99	6090548.68	**1080007**	VAN11003924.1	OC	Coherent	megacrystic plagioclase and hornblende-phyric diorite

Station Number	UTM Easting	UTM Northing	Whole Rock Sample ID	Job Number	Sample Source	Rock Type 1	Rock Name
BC11SS068	423753.42	6090491.43			OC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS069	423704.25	6090684.71			OC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS070	423715.75	6090735.60	**1080008**	VAN11003924.1	SC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS071	423975.00	6090782.00			SC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS072	423949.00	6090791.65			SC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS073	423959.88	6090805.91			SC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS074	423933.85	6090797.00			OC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS075	423904.39	6090774.46			SC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS076	423807.62	6090744.83			SC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS077	423793.00	6090726.00	**1080009**	VAN11003924.1	SC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS078	423694.55	6090758.55			OC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS079	423668.33	6090745.64			OC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS080	423664.13	6090732.03			SC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS081	423669.31	6090757.76	**1080010**	VAN11003924.1	OC	Coherent	megacrystic plagioclase and hornblende-phyric diorite

Station Number	UTM Easting	UTM Northing	Whole Rock Sample ID	Job Number	Sample Source	Rock Type 1	Rock Name
BC11SS082	423623.94	6090775.23			SC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS083	423552.39	6090752.74			OC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS084	423520.00	6090737.00			SC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS085	423478.00	6090736.00	**1080011**	VAN11003924.1	OC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS086	423466.18	6090760.22			OC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS087	423423.74	6090814.15			OC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS088	423565.94	6092045.84	**1080012**	VAN11003924.1	OC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS089	423054.93	6091040.18			OC	Coherent	crowded feldspar and augite-phyric coherent
BC11SS090	423100.14	6090999.34			SC	Coherent	clay to sand sized volcaniclastic sediments (lapilli/tuff)
BC11SS091	423101.00	6091000.00			OC	Coherent	crowded feldspar and augite-phyric coherent
BC11SS092	423897.46	6090811.31			SC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS093	423872.85	6090821.52			SC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS094	423740.00	6090809.00			SC	Coherent	megacrystic plagioclase and hornblende-phyric diorite

Station Number	UTM Easting	UTM Northing	Whole Rock Sample ID	Job Number	Sample Source	Rock Type 1	Rock Name
BC11SS095	423745.61	6090758.80			OC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS096	423787.00	6090703.00			OC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS097	423801.88	6090633.07			OC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS098	423802.07	6090633.07			SC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS099	423606.68	6090807.35			SC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS100	423417.43	6090699.51			OC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11SS101	423400.98	6090707.47			OC	Coherent	crowded feldspar and augite-phyric coherent
BC11SS102	423390.79	6090688.50			OC	Coherent	crowded feldspar and augite-phyric coherent
BC11SS103	423384.75	6090676.58			OC	Coherent	crowded feldspar and augite-phyric coherent
BC11SS104	423377.58	6090643.09			OC	Coherent	crowded feldspar and augite-phyric coherent
BC11SS105	423378.11	6090613.92	**1080013**	VAN11003924.1	OC	Coherent	crowded feldspar and augite-phyric coherent
BC11SS106	424176.85	6090467.32			OC	Coherent	crowded feldspar and augite-phyric coherent
BC11SS107	423818.00	6090417.00			SC	Coherent	crowded feldspar and augite-phyric coherent
BC11SS108	423343.49	6090630.65			OC	Coherent	crowded feldspar and augite-phyric coherent
BC11SS109	423362.08	6090710.02			OC	Coherent	melanocratic fine grained diorite

Station Number	UTM Easting	UTM Northing	Whole Rock Sample ID	Job Number	Sample Source	Rock Type 1	Rock Name
BC11SS110	423388.24	6090737.96			OC	Coherent	Crowded feldspar and augite-phyric coherent
BC11SS111	423387.00	6090740.00	**1080014**	VAN11003924.1	OC	Coherent	crowded feldspar and augite-phyric coherent
BC11SS112	423360.83	6090790.41			OC	Coherent	melanocratic fine grained diorite
BC11SS113	423198.36	6090728.41			OC	Coherent	crowded feldspar and augite-phyric coherent
BC11SS114	423186.00	6090735.00	**1080015**	VAN11003924.1	OC	Coherent	crowded feldspar and augite-phyric coherent
BC11SS115	423160.80	6090786.49			OC	Coherent	crowded feldspar and augite-phyric coherent
BC11SS116	423123.05	6090796.15			OC	Coherent	crowded feldspar and augite-phyric coherent
BC11SS117	423138.50	6090778.63	**1080018**	VAN11003924.1	OC	Coherent	crowded feldspar and augite-phyric coherent
BC11SS118	423056.65	6090778.70			OC	Coherent	crowded feldspar and augite-phyric coherent
BC11SS119	423101.02	6091009.00	**1080016**	VAN11003924.1	OC	Coherent	melanocratic fine grained diorite
BC11SS120	423155.91	6091043.12			OC	Coherent	crowded feldspar and augite-phyric coherent

Station Number	UTM Easting	UTM Northing	Whole Rock Sample ID	Job Number	Sample Source	Rock Type 1	Rock Name
BC11SS121	423289.99	6091011.44			OC	Coherent	crowded feldspar and augite-phyric coherent
BC11SS122	423406.73	6090958.13			OC	Coherent	crowded feldspar and augite-phyric coherent
BC11SS123	423423.74	6090814.15			OC	Coherent	
BC11SS124	423550.00	6090807.00	**1080017**	VAN11003924.1	OC	Coherent	megacrystic plagioclase and hornblende-phyric diorite
BC11TL001	424287.00	6090489.00	**1080527**	VAN11003562.1	OC	Coherent	Intermediate Volcanic
BC11TL002	424254.00	6090507.00	**1080528**	VAN11003562.1	OC	Coherent	Intermediate Volcanic
BC11TL003	424200.00	6090536.00	**1080529**	VAN11003562.1	OC	Coherent	Intermediate Volcanic
BC11TL004	422903.00	6089223.00	**1080530**	VAN11003562.1	OC	Coherent	Siltstone
BC11TL005	422881.00	6089256.00	**1080531**	VAN11003562.1	OC	Coherent	Intermediate Volcanic
BC11TL006	422901.00	6089275.00	**1080532**	VAN11003562.1	OC	Coherent	Intermediate Volcanic
BC11TL007	422806.00	6090843.00	**1080533**	VAN11003562.1	OC	Coherent	Intermediate Volcanic
BC11TL008	417645.00	6089095.00	**1080539**	VAN11003562.1	OC	Coherent	Intermediate Volcanic
BC11TL009	417708.00	6089313.00	**1080535**	VAN11003562.1	OC	Coherent	Intermediate Volcanic
BC11TL010	417696.00	6089311.00			OC	Coherent	Intermediate Volcanic
BC11TL011	417241.00	6090188.00	**1080541**	VAN11003562.1	OC	Coherent	Intermediate Volcanic

Station Number	Rock Group	Rock_Description
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BC11SS044	Takla (Witch Lake)	plag & augite (2mm) +/- hbl phyric in a fine grained mafic/intermediate groundmass.Oxidized, limonitic rock with cockcomb & vuggy qtz-veins, 1-2% dissem pyr & pyrrhotite, mod pervasive sericite and weak pervasive chlorite
BC11SS045		Granite with 20% euhedral biotite crystals
BC11SS046	Takla (Witch Lake)	Intermediate plag and hbl phyric volcaniclastic rock with hbl and biotite mafics, 0.5-1% pyrrhotite, 1% dissem pyr and goethite. Sericite moderate pervasive. Chl and epidote weak alt in area, locally hbl foliated porphyry
BC11SS047	Takla (Witch Lake)	Strong blebby epidote altered mafic coherent rock with strong sericite & chl altn, 5-15% pyr, 2% cpy disseminated and associated w/ epidote, limonitic
BC11SS048		medium grained, plag and 40% mafics with 1cm round mafic xenoliths, 1% disseminated pyr and no chl alteration
BC11SS049	Takla (Witch Lake)	plag and augite phyric (~0.5cm) +/- hbl in a mafic, f. grained groundmass. Weak perv sericite and chl altn, no pyr.
BC11SS050	Takla (Witch Lake)	dark green/grey, augite +/- hbl phyric mafic coherent rock (similar to BC11SS049), limonite but 0-trace pyr observed, calcite veinlets
BC11SS051	Takla (Witch Lake)	f. grained volcaniclastic, plag-rich w/ hbl and biotite mafics, 0.5-1% pyrrhotite, locally foliated hbl textures
BC11SS052	Takla (Witch Lake)	mixed siltstone & epiclastic unit with volcaniclastic, porphyritic clasts, possible tuff in areas. 2% disseminated pyrrhotite and 2% diss pyr.

Station Number	Rock Group	Rock_Description
BC11SS053	Takla (Witch Lake)	Plag & hbl +/- augite phyric, porphyritic textured volcanic rock with possible foliations.
BC11SS054		profile of old-growth forest on top with thin, developed Ah below, overtop of basal till (~.8m thick), overlying glacial fluvial sands, with a sandy layer (~1.3m) with hummocky cross-bedding sharply in lower contact with gravels (~2m)
BC11SS055	Kalder Pluton	large euhedral to subhedral(0.5-2cm) plag phenocrysts with weak epi replacement in f.g. green matrix, <0.5cm hornblende crystal weakly altered to chl, +/- augite, weak perv sericite dusting. Fractures on rock limonitic (goethite) with darker hematite staining variably present, sericite halo around some fracture. Trace pyr on fractures and within disseminated halo surrounding.
BC11SS056	Kalder Pluton	large euhedral to subhedral(0.5-2cm) plag phenocrysts in dark-medium green f.g. ground mass and <0.5cm hornblende crystal weakly altered to chl, weak perv sericite dusting. Road side outcrop with f.g. dike consisting on dark g.m. with no plag phenocrysts (mafic dike) with 023/65 orientation. Fractures on rock limonitic (goethite), increase in limonite within mafic dike. 1% pyr on fractures (more limonitic and pyr content than BC11SS056).
BC11SS057	Kalder Pluton	large euhedral to subhedral(0.5-2cm) pale green plag phenocrysts with weak epi replacement in f.g. green matrix. <0.5cm hornblende crystal weakly altered to chl, +/- augite, weak perv sericite dusting. Fractures on rock limonitic (goethite) with darker hematite coating variably present, sericite halo around some fracture. Trace pyr on fractures and within disseminated halo surrounding.
BC11SS058	Kalder Pluton	large euhedral to subhedral(0.5-2cm) pale green plag phenocrysts with weak epi replacement in f.g. green matrix. <0.5cm hornblende crystal weakly altered to chl, +/- augite, weak perv sericite dusting. Fractures on rock limonitic (goethite) with darker hematite coating variably present, sericite halo around some fracture. Trace pyr on fractures and within disseminated halo surrounding.
BC11SS059	Kalder Pluton	large euhedral to subhedral(0.5-2cm) pale green plag phenocrysts with mod epi replacement in f.g. green matrix. <0.5cm hornblende crystal mod altered to chl, +/- augite, mod. perv ser dusting. Fractures on rock limonitic (goethite) with darker hematite coating variably present. Epi vein w/ 2% pyr dissem. within, pyr (~2%) on fractures and within disseminated halo/blebs surrounding. qtz vein with oxidized pyr within. cc veinlets and perv blebs.
BC11SS060	Kalder Pluton	large euhedral to subhedral(0.5-2cm) pale green plag phenocrysts with weak epi replacement in f.g. green matrix. <0.5cm hbl crystal, +/- augite, weak perv ser dusting. Fractures on rock limonitic (goethite) with blebby trc pyr. In contact with smaller plag phyric (<0.3cm) mafic dike.
BC11SS061	Kalder Pluton	large euhedral to subhedral(0.5-2cm) pale green plag phenocrysts with weak epi replacement in f.g. green matrix. <0.5cm hbl crystal w/ weak chl altn, +/- augite, weak perv ser dusting. Fractures on rock limonitic (goethite)
BC11SS062	Kalder Pluton	large euhedral to subhedral(0.5-2cm) pale green plag phenocrysts w/ mod epi replacement in f.g. green matrix. <0.5cm hbl crystal w/ weak chl altn, +/- augite, mod. perv ser dusting. Fractures on rock limonitic (goethite) w/ trc pyr
BC11SS063	Kalder Pluton	large euhedral to subhedral(0.5-2cm) pale green plag phenocrysts w/ mod epi replacement in f.g. green matrix. <0.5cm hbl crystal w/ weak chl altn, +/- augite, weak perv ser dusting. Epi vein with assoc pyr in later stage vein. Fractures on rock limonitic (hematite>goethite) w/ blebby trc pyr
BC11SS064	Kalder Pluton	euhedral to subhedral(0.5-1cm) pale green plag phenocrysts w/ weak epi replacement in f.g. light green matrix. <0.5cm hbl crystal w/ weak chl altn, +/- augite, weak perv ser dusting. Fractures on rock limonitic (goethite)
BC11SS065	Kalder Pluton	large euhedral to subhedral(0.5-2cm) white plag phenocrysts w/ weak in f.g. green matrix. <0.5cm hbl crystal w/ weak chl altn, +/- augite, weak perv ser dusting.
BC11SS066	Kalder Pluton	large euhedral to subhedral(0.5-2cm) white plag phenocrysts in f.g. green matrix. <0.5cm hbl crystal w/ weak chl altn, +/- augite, weak perv ser dusting. Fractures on rock limonitic (goethite) with darker hematite staining variably present. Pyr on stained fractures and disseminated surrounding trace
BC11SS067	Kalder Pluton	foliated/sheared (0.5-2cm) white plag phenocrysts in f.g. green matrix. <0.5cm hbl crystal w/ weak chl altn, +/- augite, mod perv ser dusting. Fractures on rock limonitic (goethite) with darker hematite staining variably present. pyr disseminated surrounding fractures 1%.

Station Number	Rock Group	Rock_Description
BC11SS068	Kalder Pluton	large euhedral to subhedral(0.5-2cm) white plag phenocrysts in f.g. green matrix. <0.5cm hbl crystal w/ weak chl altn, +/- augite, weak perv ser dusting. Trc pyr disseminated on/surrounding fractures.
BC11SS069	Kalder Pluton	large euhedral to subhedral(0.5-2cm) pale green plag phenocrysts w/ weak epi replacement in f.g. green matrix. <0.5cm hbl crystal w/ weak chl altn, +/- augite, mod perv ser dusting. Epi vein w/ trc cpy and pyr. Fracture faces on rock limonitic (hematite>goethite), pyr on fractures trace
BC11SS070	Kalder Pluton	large euhedral to subhedral(0.5-2cm) pale green plag phenocrysts w/ mod epi replacement in f.g. green matrix. <0.5cm hbl crystal w/ weak chl altn, +/- augite, mod perv ser dusting. Epi veins (increase in density than previous sites) and in blebs with diffuse margins, trace to 2% pyr and trace cpy associated. qtz-epi veins, qtz-act and qtz-epi-actinolite veins present. actinolite crystals euhedral and vein filled, seen cutting qtz veinlet. Fractures on rock limonitic (goethite) with increasing limonite around veins. Darker hematite staining variably present. Copper oxides and malachite trace and proximal to vein
BC11SS071	Kalder Pluton	large euhedral to subhedral(0.5-2cm) pale green plag phenocrysts w/ mod epi replacement in f.g. green matrix. <0.5cm hbl crystal w/ weak chl altn, +/- augite, weak perv ser dusting. Fractures on rock limonitic (goethite) with darker hematite staining variably present. 1% pyr and trc cpy disseminated and haloing fractured & limonitic faces.
BC11SS072	Kalder Pluton	large euhedral to subhedral(0.5-2cm) pale green plag phenocrysts w/ mod epi replacement in f.g. green matrix. <0.5cm hbl crystal w/ weak chl altn, +/- augite, weak perv ser dusting. Fractures on rock limonitic (goethite) with darker hematite staining variably present. qtz and epi veins, trace pyr and cpy blebby/disseminated and haloing fractured & limonitic faces.
BC11SS073	Kalder Pluton	large euhedral to subhedral(0.5-2cm) pale green plag phenocrysts w/ mod epi replacement in f.g. green matrix. <0.5cm hbl crystal w/ weak chl altn, +/- augite, mod perv ser dusting. Fractures on rock limonitic (goethite) with darker hematite staining variably present. qtz and epi veins, 2% pyr disseminated on/haloing fractured & limonitic faces.
BC11SS074	Kalder Pluton	foliated and elongated euhedral to subhedral(0.5-2cm) pale green plag phenocrysts w/ weak epi replacement in f.g. green matrix. <0.5cm hbl crystal, +/- augite, weak perv ser dusting. qtz and epi veins, trace pyr disseminated on/haloing fractured & limonitic faces.
BC11SS075	Kalder Pluton	large euhedral to subhedral(0.5-2cm) pale green plag phenocrysts w/ weak epi replacement in f.g. green matrix. <0.5cm hbl crystal w/ weak chl altn, +/- augite, weak perv ser dusting. Fractures on rock limonitic (goethite) with darker hematite staining variably present. trace pyr disseminated on/haloing fractured & limonitic faces.
BC11SS076	Kalder Pluton	large euhedral to subhedral(0.5-2cm) white plag phenocrysts in f.g. green matrix. <0.5cm hbl crystal w/ weak chl altn, +/- augite, weak perv ser dusting. Fractures on rock limonitic (goethite) with darker hematite staining variably present. trace pyr disseminated on/haloing fractured & limonitic faces.
BC11SS077	Kalder Pluton	large euhedral to subhedral(0.5-2cm) pale green plag phenocrysts w/ weak epi replacement in f.g. green matrix. <0.5cm hbl crystal w/ mod chl altn, +/- augite, mod perv ser dusting. Fractures on rock limonitic (goethite) with darker hematite staining variably present. limonitic intensity increased compare to previous stations. 5% pyr disseminated on/haloing fractured & limonitic faces, areas of >20% disseminated pyr. +/- cpy.
BC11SS078	Kalder Pluton	large euhedral to subhedral(0.5-2cm) white plag phenocrysts in f.g. green matrix. <0.5cm hbl crystal w/ weak chl altn, +/- augite, mod perv ser dusting. Hbl crystals clearer than previous sites
BC11SS079	Kalder Pluton	large euhedral to subhedral(0.5-2cm) white plag phenocrysts in f.g. green matrix. <0.5cm hbl crystal w/ weak chl altn, +/- augite, mod perv ser dusting. Fractures on rock limonitic (goethite) with darker hematite staining variably present. trace pyr disseminated on/haloing fractured & limonitic faces.
BC11SS080	Kalder Pluton	large euhedral to subhedral(0.5-2cm) pale green plag phenocrysts w/ weak epi replacement in f.g. green matrix. <0.5cm hbl crystal w/ mod chl altn, +/- augite, mod perv ser dusting. Fractures on rock limonitic (goethite) with darker hematite staining variably present. 1% pyr disseminated on/haloing fractured & limonitic faces. some pink staining to plag crystals
BC11SS081	Kalder Pluton	local sheared and foliated 0.5-2cm pale green plag phenocrysts w/ strong epi replacement in f.g. green matrix. <0.5cm hbl crystal w/ mod chl altn, +/- augite, mod perv ser dusting. Fractures on rock limonitic (goethite) with darker hematite staining variably present. 3% pyr disseminated on/haloing fractured & limonitic faces.

Station Number	Rock Group	Rock_Description
BC11SS082	Kalder Pluton	large euhedral to subhedral(0.5-2cm) pale green plag phenocrysts w/ mod epi replacement in f.g. green matrix. <0.5cm hbl crystal w/ weak chl altn, +/- augite, weak perv ser dusting. Fractures on rock limonitic (goethite) with darker hematite staining variably present. 1% pyr blebby and disseminated on/haloing fractured and limonitic faces.
BC11SS083	Kalder Pluton	large euhedral to subhedral(0.5-2cm) pale green plag phenocrysts w/ mod epi replacement in f.g. very light green matrix. <0.5cm hbl crystal w/ weak chl altn and mod perv. chl altn, +/- augite, weak perv ser dusting. epi-qtz veining. chl haloing epi veins. Fractures on rock limonitic (goethite) with darker hematite staining variably present. 3% pyr disseminated on/haloing fractured & limonitic faces.
BC11SS084	Kalder Pluton	large euhedral to subhedral(0.5-2cm) pale green plag phenocrysts w/ mod epi replacement in f.g. very light green matrix. <0.5cm hbl crystal w/ weak chl altn and mod perv. chl altn, +/- augite, weak perv ser dusting. epi-qtz veining. chl haloing epi veins. Fractures on rock limonitic (goethite) with darker hematite staining variably present. 2% pyr disseminated on/haloing fractured & limonitic faces.
BC11SS085	Kalder Pluton	large euhedral to subhedral(0.5-2cm) white plag phenocrysts w/ in f.g. green matrix. <0.5cm hbl crystal w/ weak chl altn, +/- augite, weak perv ser dusting.
BC11SS086	Kalder Pluton	large euhedral to subhedral(0.5-2cm) white plag phenocrysts locally aligned w/ in f.g. green matrix. <0.5cm hbl crystal w/ weak chl altn, +/- augite, mod perv ser dusting. Fractures on rock limonitic (goethite) with darker hematite staining variably present. trace pyr disseminated on/haloing fractured & limonitic faces. hbl phyric +/- augite dike intruding.
BC11SS087	Kalder Pluton	weakly foliated and shear large euhedral to subhedral(0.5-2cm) pale green plag phenocrysts w/ weak epi replacement in f.g. green matrix. <0.5cm hbl crystal w/ weak chl altn, +/- augite, mod perv ser dusting. small qtz vein sparse but present. Fractures on rock limonitic (goethite) with darker hematite staining variably present. trace pyr blebby and disseminated on/haloing fractured & limonitic faces.
BC11SS088	Kalder Pluton	large euhedral to subhedral(0.5-2cm) white plag phenocrysts w/ in f.g. green matrix. <0.5cm hbl crystal w/ weak chl altn, +/- augite, weak perv ser dusting. Fractures on rock limonitic (goethite > hematite) with darker hematite staining variably present. trace pyr disseminated on/haloing fractured & limonitic faces. In contact w/ plag (elongated 4mm and 1mm wide avg) and hbl phyric f.g. melanocratic diorite w/ cc veinlets
BC11SS089	Kalder Pluton	Crowded feldspar (subhedral; 15-20%) w/ mod epi altn and euhedral to subhedral (0.3-1cm) augite-phyric coherent w/ weak chl replacement, within an f.g. light green matrix. +/- hbl, weak perv ser dusting. Qtz veining. Minor goethite w/ hematite cubes sparsely surrounding fractured surfaces and within qtz vein. Trace pyr disseminated on/haloing fractured & limonitic faces.
BC11SS090	Kalder Pluton	light beige/grey clay to sand sized volcaniclastic sediments (lapilli/tuff) w/ possible biotite replacement and qtz veins and veinlets. Weak perv ser.
BC11SS091	Kalder Pluton	Crowded feldspars (euhedral; ~0.4cm; 15-20%) w/ mod epi altn and euhedral to subhedral (0.5-1cm) augite crystals w/ weak chl replacement, within an f.g. light green matrix, +/- hbl, weak perv ser dusting. Qtz veining. Minor goethite w/ hematite cubes sparsely surrounding fractured surfaces and within qtz vein. Trace pyr disseminated on/haloing fractured & limonitic faces and within sugary qtz veins.
BC11SS092	Kalder Pluton	large euhedral to subhedral(0.5-2cm) pale green plag phenocrysts w/ weak epi replacement in f.g. green matrix. <0.5cm hbl crystal w/ weak chl altn, +/- augite, mod perv ser dusting. epi vein. Fractures on rock limonitic (goethite) with darker hematite staining variably present. trace pyr disseminated on/haloing fractured & limonitic faces.
BC11SS093	Kalder Pluton	slightly foliated subhedral(0.5-2cm) pale green plag phenocrysts w/ weak epi replacement in f.g. green matrix. <0.5cm hbl crystal w/ weak chl altn, +/- augite, mod perv ser dusting. Fractures on rock limonitic (goethite) with darker hematite staining variably present.
BC11SS094	Kalder Pluton	large euhedral to subhedral(0.5-2cm) pale green plag phenocrysts w/ weak epi replacement in f.g. green matrix. <0.5cm hbl crystal w/ weak chl altn, +/- augite, mod perv ser dusting. Fractures on rock limonitic (goethite) with darker hematite staining variably present. 2% pyr blebby and disseminated on/haloing fractured & limonitic faces.

Station Number	Rock Group	Rock_Description
BC11SS095	Kalder Pluton	large euhedral to subhedral(0.5-2cm) pale green plag phenocrysts w/ weak epi replacement in f.g. green matrix. <0.5cm hbl crystal w/ mod chl altn, +/- augite, strong perv ser dusting. Fractures on rock limonitic (goethite) with darker hematite staining variably present. 5% pyr disseminated on/haloing fractured & limonitic faces.
BC11SS096	Kalder Pluton	foliated/sheared (0.5-2cm) white plag phenocrysts in f.g. green matrix. <0.5cm hbl crystal w/ weak chl altn, +/- augite, mod perv ser dusting. Fractures on rock limonitic (goethite) with darker hematite staining variably present. trace pyr disseminated on/haloing fractured & limonitic faces.
BC11SS097	Kalder Pluton	large euhedral to subhedral(0.5-2cm) pale green plag phenocrysts w/ weak epi replacement in f.g. green matrix. <0.2cm hbl crystal w/ weak chl altn, +/- augite, strong perv ser dusting. Fractures on rock limonitic (goethite) with darker hematite staining variably present. 5% pyr blebby and disseminated on/haloing fractured and limonitic faces.
BC11SS098	Kalder Pluton	large euhedral to subhedral(0.5-2cm) white plag phenocrysts f.g. green matrix. <0.5cm hbl crystal w/ weak chl altn, +/- augite, mod perv ser dusting. Fractures on rock limonitic (goethite) with darker hematite staining variably present. 2% pyr blebby and disseminated on/haloing fractured and limonitic faces. Minor red staining of plag
BC11SS099	Kalder Pluton	large euhedral to subhedral(0.5-2cm) pale green plag phenocrysts w/ weak epi replacement in f.g. green matrix. <0.5cm hbl crystal w/ weak chl altn, +/- augite, weak perv ser dusting. qtz and cc veinlets, blebby pervasive cc within melanocratic, f.g. unit. Fractures on rock limonitic (goethite) with darker hematite staining variably present. trace pyr disseminated.
BC11SS100	Kalder Pluton	large euhedral to subhedral(0.5-2cm) white plag phenocrysts in f.g. green matrix. <0.5cm hbl crystal w/ weak chl altn, +/- augite, mod perv ser dusting. Fractures on rock limonitic (goethite) with darker hematite staining variably present. Trace pyr disseminated on/haloing fractured & limonitic faces.
BC11SS101	Kalder Pluton	weak foliations to crowded feldspars (euhedral; ~0.4cm; 15-20%), +/- augite crystals w/ weak chl replacement, within an f.g. light green matrix, +/- hbl, mod perv ser dusting. Fractures on rock limonitic (goethite). Trace pyr disseminated on/haloing fractured & limonitic faces.
BC11SS102	Kalder Pluton	Crowded feldspars (euhedral; ~0.4cm; ~20%) and euhedral to subhedral (0.5-1cm) augite crystals w/ weak chl replacement, within an f.g. light green matrix, +/- hbl, weak perv ser dusting. 2% pyr disseminated.
BC11SS103	Kalder Pluton	foliated crowded feldspars, +/- augite +/- hbl phenocrysts, within an f.g. light green matrix. mod perv ser dusting, mod perv chl and Slicken lines. 3% dissem pyr.
BC11SS104	Kalder Pluton	Crowded feldspars (subhedral; ~0.4cm; ~20%) w/ weak epi altn and euhedral to subhedral (0.5-1cm) augite crystals w/ weak chl replacement, within an f.g. light green matrix, +/- hbl, mod perv ser dusting. Minor limonite on weathered outcrop. 2% pyr disseminated on/haloing fractured & limonitic faces.
BC11SS105	Kalder Pluton	Crowded feldspars (subhedral; ~0.4cm; ~20%) and euhedral to subhedral (0.5-1cm; ~5%) augite crystals w/ weak chl replacement, within an f.g. light green matrix, +/- hbl, mod perv ser dusting. Minor limonite on weathered outcrop. 1% pyr disseminated and on/haloing fractured & limonitic faces.
BC11SS106	Kalder Pluton	Crowded feldspars (subhedral; ~0.4cm; ~20%) and euhedral to subhedral (0.5-1cm; ~5%) augite crystals w/ weak chl replacement, within an f.g. light green matrix, +/- hbl, mod perv ser dusting. In contact with mafic dike. Minor limonite on weathered outcrop. trace pyr disseminated on/haloing fractured & limonitic faces.
BC11SS107	Kalder Pluton	Crowded feldspars (subhedral; ~0.4cm; ~20%) and euhedral to subhedral (0.5-1cm; ~5%) augite crystals w/ weak chl replacement, within an f.g. light green matrix, +/- hbl, mod perv ser dusting. In contact with mafic dike. Minor limonite on weathered outcrop. trace pyr disseminated on/haloing fractured & limonitic faces. Slight pink staining to plag
BC11SS108	Kalder Pluton	Crowded feldspar (15-25%) and augite-phyric coherent with light f. grained green matrix. Weak selective pervasive replacement of plag with epi, weak sel. perv. repl. of mafics (orange) with chl, mod sc dusting. Trc pyr on fractured faces
BC11SS109	Kalder Pluton	Plag-phyric, f. grained intrusive (diorite) with subhedral <2mm crystals and large augite (~1cm) crystals +/- hornblende. Weak select perv epi altn, mod perv ser altn. Trace pyr dissem on fractured faces

Station Number	Rock Group	Rock_Description
BC11SS110	Kalder Pluton	Crowded feldspar (15-25%) and euhedral to subhedral augite-phyric coherent with light f. grained green matrix. Possible shear fabric (foliated plag crystals) with abundant, f. grained hematite veins. Mod perv sc, weak epi and chl altn. Dissem pyr on fractures w/ associated hematite crystals
BC11SS111	Kalder Pluton	Crowded feldspars (subhedral; ~0.4cm; ~25%) and euhedral to subhedral (~0.5) augite crystals, within an f.g. light green matrix, +/- hbl, mod perv ser dusting, perv weak chl altn. In contact with dark grey, mafic, aphanitic dike w/ weak ser altn and cc pockets (blebs). qtz-veining and cc-veining, focused on fractures. Hematite > goethite on weathered outcrop, 1% pyr disseminated on/haloing fractured & limonitic faces.
BC11SS112	Kalder Pluton	melanocratic, plag and mafic f. grained diorite w/ mod perv ser, weak selective perv epi and weak select perv chl. Fractures on rock limonitic (hematite > goethite). 2% pyr disseminated on/haloing fractured & limonitic faces. Light sericite halo on fractures
BC11SS113	Kalder Pluton	Crowded feldspars (euhedral; ~0.4cm; >30%) w/ mod epi altn and euhedral to subhedral (0.5-1cm; ~5%) augite crystals w/ mod chl replacement, within an f.g. light green matrix, +/- hbl, mod perv ser dusting. Qtz veining. Minor goethite w/ hematite cubes sparsely surrounding fractured surfaces and within qtz vein. 1% pyr disseminated on/haloing fractured & limonitic faces and within sugary qtz veins.
BC11SS114	Kalder Pluton	Crowded feldspars (euhedral to subhedral; ~0.4cm; >30%) w/ mod epi altn and euhedral to subhedral (0.5-1cm; ~5%) augite crystals w/ mod chl replacement, within an f.g. light green matrix, +/- hbl, mod perv ser dusting. qtz, qtz-epi, epi, cc veins/veinlets. Goethite w/ hematite cubes sparsely surrounding fractured surfaces and within qtz veins. 1% pyr disseminated on/haloing fractured & limonitic faces and occasionally within sugary qtz veins.
BC11SS115	Kalder Pluton	Crowded feldspars (euhedral to subhedral; ~0.4cm; >30%) w/ weak epi altn and euhedral (0.5-1cm; ~5%) augite crystals w/ weak chl replacement, within an f.g. very pale green matrix, +/- hbl, weak perv ser dusting. qtz veins/veinlets. Goethite w/ hematite cubes sparsely surrounding fractured surfaces and within qtz veins. Trace pyr blebby and disseminated on/haloing fractured & limonitic faces and within sugary qtz veins.
BC11SS116	Kalder Pluton	Crowded feldspars (euhedral/subhedral; ~0.4cm; >30%) w/ mod epi altn and euhedral (0.5-1cm; ~5%) augite crystals w/ mod chl replacement, within an f.g. light green matrix, +/- hbl, weak perv ser dusting. qtz, qtz-epi, epi veins/veinlets. Limonite = goethite w/ hematite cubes sparsely surrounding fractured surfaces and within qtz veins. 2% pyr blebby and disseminated on/haloing fractured & limonitic faces and occasionally sugary qtz veins.
BC11SS117	Kalder Pluton	Crowded feldspars (euhedral/subhedral; ~0.4cm; >30%) w/ weak epi altn and euhedral (0.5-1cm; ~5%) augite crystals w/ weak chl replacement, within an f.g. light green matrix, +/- hbl, mod perv ser dusting. qtz, qtz-epi, epi veins/veinlets. Limonite = goethite w/ hematite cubes sparsely surrounding fractured surfaces and within qtz veins. 2% pyr blebby and disseminated on/haloing fractured & limonitic faces and within sugary qtz veins. Felsic, siliceous dike 342/68 cutting qtz vein. Two sets of epi-qtz veining, separate set of just qtz veining.
BC11SS118	Kalder Pluton	Crowded feldspars (euhedral/subhedral; ~0.4cm; 30-40%) and euhedral (0.5-1cm; ~5%) augite crystals w/ weak chl replacement, within an f.g. light green matrix, +/- hbl, mod perv ser dusting. Limonite concentrated around fractured surfaces. Disseminated trace pyr.
BC11SS119	Kalder Pluton	Feldspars (euhedral/subhedral; 10-15%) w/ weak epi altn and euhedral (0.5-1cm; ~5%) augite crystals w/ weak chl replacement, within an f.g. light green matrix, +/- hbl, weak perv ser dusting. qtz veins/veinlets. Limonite = goethite w/ hematite cubes sparsely surrounding fractured surfaces and within qtz veins. trace pyr in groundmass, 2% in sugary qtz veins.
BC11SS120	Kalder Pluton	Crowded feldspars (euhedral/subhedral; ~0.4cm; ~25%) w/ weak epi altn and euhedral (0.5-1cm; ~3-5%) augite crystals w/ weak chl replacement, within an f.g. light green matrix, +/- hbl, mod perv ser dusting. qtz, qtz-epi veins/veinlets. Limonite along fractured surfaces goethite w/ hematite cubes sparsely surrounding fractured surfaces and within qtz veins. trace disseminated in g.m., pyr within sugary qtz veins.

Station Number	Rock Group	Rock_Description
BC11SS121	Kalder Pluton	Crowded feldspars (euhedral/subhedral; ~0.4cm; 15-25%) and euhedral (0.5cm; ~5%) augite crystals w/ weak chl replacement, within an f.g. light green matrix, +/- hbl, mod perv ser dusting. qtz stringers. in-situ limonite along fractures (goethite > hematite) w/ hematite cubes sparsely surrounding fractured surfaces and within qtz veinlet. Trace pyr disseminated on/haloing fractured & limonitic faces and within sugary qtz veins.
BC11SS122	Kalder Pluton	Crowded feldspars (euhedral/subhedral; ~0.4cm; ~15-25%) w/ weak epi altn and euhedral (0.5cm; ~5%) augite crystals w/ weak chl replacement, within an f.g. light green matrix, +/- hbl, mod perv ser dusting. Qtz veinlets.
BC11SS123	Kalder Pluton	Weakly foliated and shear large euhedral to subhedral(0.5-2cm) pale green plag phenocrysts w/ weak epi replacement in f.g. green matrix. <0.5cm hbl crystal w/ weak chl altn, +/- augite, mod perv ser dusting. small qtz vein sparse but present. possible qtz seam w/ sulphide and sericite halo. Fractures on rock limonitic (goethite) with darker hematite staining variably present. 1% pyr disseminated on/haloing fractured & limonitic faces and within vein.
BC11SS124	Kalder Pluton	large euhedral to subhedral(0.5-2cm) pale green plag phenocrysts w/ weak epi replacement in f.g. green matrix. <0.5cm hbl crystal w/ weak chl altn, +/- augite, weak perv ser dusting. Fractures on rock limonitic (goethite) with darker hematite staining variably present. qtz and pyr stringers/veinlets, 3% disseminated pyr, epi-qtz-pyr veinlets, cc-epi-+/-qtz-sulphide veinlets.
BC11TL001	Takla	hbl phyric, mafic (diorite), med-grained. Weak to mod pervasive epidote alt of feldspars. Weak pervasive ser alt. Hbl weakly alt to chl
BC11TL002	Takla	hbl/feldspar phyric, mafic (diorite), porphyritic texture. Strong pervasive chl alt of GM. Weak pervasive calcite alt with selective epi alt of feldspars
BC11TL003		hlb/feldspar phyric coherent, fine-grained, mafic. Large feldspar phenocrysts. Mod ser/chl alt with selective epi infill of plag phenocrysts. Epi infill along fractures and surrounding cal veinlets. Cal veinlets more limonitic
BC11TL004		Fine-grain mafic. Mod pervasive ser alt with minor chl alt. Intense selective limonitic alt. Up to 3% sulphides with the presence of cpy
BC11TL005		hlb phyric coherent, fine-grained, mafic. Mod pervasive ser alt with selective weak epi alt. Trc sulphides
BC11TL006		hbl/feldspar phyric, mafic, porphyritic texture. Med-strong pervasive ser alt of GM. Weak pervasive epi alt. Hbl selectively alted to chl. Feldspar phenocrysts were soft. Foliation developed as well as possible signs of flow banding
BC11TL007		hbl/feldspar phyric, mafic, porphyritic texture. Feldspar megacrysts up to 2cm. Mod pervasive chl and ser alt. Weak selective epi alt of feldspar phenocrysts.
BC11TL008		hbl/feldspar phyric, mafic, porphyritic (Plag) texture. Weak pervasive chl alt with minor pervasive ser alt.
BC11TL009		Limonitic shear zone surrounded by fine-grain volcanoclastic with minor pervasive ser and chl alt.
BC11TL010	Takla	Fine-grain volcanoclastic with minor pervasive ser and chl alt.
BC11TL011		hbl/feldspar phyric mafic. Pervasive chl and ser alt. Small veinlets of black unidentified mineral with hbl proximal to veinlets more intensely altd to chl.

Station Number	SER_1	SER_2	EPI_1	EPI_2	CHL_1
BC11KB021					
BC11KB023					
BC11KB024					
BC11KB025					
BC11KB026					
BC11KB027					
BC11KB029					
BC11KB031					
BC11KB032					
BC11KB033					
BC11KB034					
BC11KB035					
BC11KB036					
BC11KB037					
BC11KB038					
BC11KB039					
BC11KB040					
BC11KB041					
BC11KB043					
BC11KB045					
BC11KB046					
BC11KB047					
BC11KB048					
BC11KB049					
BC11KB050					
BC11KB051					
BC11KB052					
BC11KB053					
BC11KB054					
BC11SS044	Pervasive Moderate	Null	Null	Null	Pervasive Weak
BC11SS045					
BC11SS046	Pervasive Moderate	Null	Selective Pervasive Weak	Null	Selective Pervasive Weak
BC11SS047	Pervasive Moderate	Null	Blebs	Selective Pervasive Strong	Pervasive Moderate
BC11SS048					
BC11SS049	Pervasive Weak	Null	Null	Null	Pervasive Weak
BC11SS050	Pervasive Weak	Null	Null	Null	Pervasive Weak
BC11SS051	Pervasive Moderate	Null	Null	Null	Null
BC11SS052	Pervasive Moderate	Null	Null	Null	Selective Pervasive Moderate

Station Number	SER_1	SER_2	EPI_1	EPI_2	CHL_1
BC11SS053	Pervasive Weak	Null	Null	Null	Selective Pervasive Weak
BC11SS054	Pervasive Moderate	Null	Selective Pervasive Weak	Null	Selective Pervasive Weak
BC11SS055	Pervasive Weak	Vein halo	Selective Pervasive Weak	Null	Selective Pervasive Weak
BC11SS056	Pervasive Weak	Null	Null	Null	Null
BC11SS057	Pervasive Weak	Null	Selective Pervasive Weak	Null	Selective Pervasive Weak
BC11SS058	Pervasive Moderate	Null	Selective Pervasive Weak	Null	Selective Pervasive Weak
BC11SS059	Pervasive Moderate	Null	Selective Pervasive Moderate	Vein fill	Selective Pervasive Moderate
BC11SS060	Pervasive Moderate	Null	Selective Pervasive Weak	Null	Null
BC11SS061	Pervasive Weak	Null	Selective Pervasive Weak	Null	Selective Pervasive Weak
BC11SS062	Pervasive Moderate	Null	Selective Pervasive Moderate	Null	Selective Pervasive Moderate
BC11SS063	Pervasive Weak	Null	Selective Pervasive Moderate	Vein fill	Pervasive Weak
BC11SS064	Pervasive Moderate	Null	Selective Pervasive Weak	Null	Selective Pervasive Weak
BC11SS065	Pervasive Weak	Null	Null	Null	Pervasive Weak
BC11SS066	Pervasive Weak	Null	Null	Null	Pervasive Weak
BC11SS067	Pervasive Moderate	Null	Null	Null	Pervasive Weak

Station Number	SER_1	SER_2	EPI_1	EPI_2	CHL_1
BC11SS068	Pervasive Weak	Null	Null	Null	Pervasive Weak
BC11SS069	Pervasive Moderate	Null	Selective Pervasive Weak	Vein fill	Selective Pervasive Weak
BC11SS070	Pervasive Moderate	Null	Vein fill	Selective Pervasive Moderate	Selective Pervasive Weak
BC11SS071	Pervasive Weak	Null	Selective Pervasive Moderate	Null	Selective Pervasive Weak
BC11SS072	Pervasive Weak	Null	Selective Pervasive Moderate	Vein fill	Selective Pervasive Weak
BC11SS073	Pervasive Moderate	Null	Selective Pervasive Moderate	Vein fill	Selective Pervasive Weak
BC11SS074	Pervasive Weak	Null	Selective Pervasive Weak	Vein fill	Null
BC11SS075	Pervasive Weak	Null	Selective Pervasive Weak	Null	Selective Pervasive Weak
BC11SS076	Pervasive Weak	Null	Null	Null	Pervasive Weak
BC11SS077	Pervasive Moderate	Null	Selective Pervasive Weak	Null	Pervasive Moderate
BC11SS078	Pervasive Moderate	Null	Null	Null	Pervasive Weak
BC11SS079	Pervasive Moderate	Null	Null	Null	Selective Pervasive Weak
BC11SS080	Pervasive Moderate	Null	Selective Pervasive Weak	Null	Selective Pervasive Moderate
BC11SS081	Pervasive Moderate	Null	Selective Pervasive Strong	Vein fill	Selective Pervasive Moderate

Station Number	SER_1	SER_2	EPI_1	EPI_2	CHL_1
BC11SS082	Pervasive Weak	Null	Selective Pervasive Moderate	Null	Selective Pervasive Weak
BC11SS083	Selective Pervasive Weak	Null	Selective Pervasive Moderate	Vein fill	Pervasive Moderate
BC11SS084	Selective Pervasive Weak	Null	Selective Pervasive Moderate	Vein fill	Pervasive Moderate
BC11SS085	Pervasive Weak	Null	Null	Null	Selective Pervasive Weak
BC11SS086	Pervasive Moderate	Null	Null	Null	Selective Pervasive Weak
BC11SS087	Pervasive Moderate	Selective Pervasive Weak	Selective Pervasive Weak	Null	Selective Pervasive Weak
BC11SS088	Pervasive Weak	Null	Null	Null	Pervasive Weak
BC11SS089	Pervasive Moderate	Null	Selective Pervasive Weak	Selective Pervasive Moderate	Selective Pervasive Moderate
BC11SS090	Pervasive Weak	Null	Null	Null	Null
BC11SS091	Pervasive Moderate	Null	Selective Pervasive Weak	Null	Selective Pervasive Weak
BC11SS092	Pervasive Moderate	Null	Selective Pervasive Weak	Vein fill	Selective Pervasive Weak
BC11SS093	Pervasive Moderate	Null	Selective Pervasive Weak	Null	Selective Pervasive Weak
BC11SS094	Pervasive Moderate	Null	Selective Pervasive Weak	Null	Selective Pervasive Weak

Station Number	SER_1	SER_2	EPI_1	EPI_2	CHL_1
BC11SS095	Pervasive Strong	Null	Selective Pervasive Weak	Null	Selective Pervasive Moderate
BC11SS096	Pervasive Moderate	Null	Null	Null	Selective Pervasive Weak
BC11SS097	Pervasive Strong	Null	Selective Pervasive Weak	Null	Selective Pervasive Weak
BC11SS098	Pervasive Moderate	Null	Null	Null	Selective Pervasive Weak
BC11SS099	Pervasive Weak	Null	Selective Pervasive Weak	Null	Selective Pervasive Weak
BC11SS100	Pervasive Moderate	Null	Null	Null	Selective Pervasive Weak
BC11SS101	Pervasive Moderate	Null	Null	Null	Selective Pervasive Weak
BC11SS102	Pervasive Moderate	Null	Null	Null	Selective Pervasive Weak
BC11SS103	Pervasive Weak	Null	Null	Null	Slicken lines
BC11SS104	Pervasive Moderate	Null	Selective Pervasive Weak	Null	Selective Pervasive Weak
BC11SS105	Pervasive Moderate	Null	Null	Null	Selective Pervasive Weak
BC11SS106	Pervasive Moderate	Null	Null	Null	Selective Pervasive Weak
BC11SS107	Pervasive Moderate	Null	Null	Null	Selective Pervasive Weak
BC11SS108	Pervasive Moderate	Null	Selective Pervasive Weak	Null	Selective Pervasive Weak
BC11SS109	Pervasive Moderate	Null	Selective Pervasive Weak	Null	Null

Station Number	SER_1	SER_2	EPI_1	EPI_2	CHL_1
BC11SS110	Pervasive Moderate	Null	Pervasive Weak	Null	Pervasive Weak
BC11SS111	Pervasive Weak	Null	Null	Null	Pervasive Weak
BC11SS112	Pervasive Moderate	Null	Selective Pervasive Weak	Null	Selective Pervasive Weak
BC11SS113	Pervasive Moderate	Null	Selective Pervasive Moderate	Null	Selective Pervasive Moderate
BC11SS114	Pervasive Moderate	Null	Selective Pervasive Moderate	Vein fill	Selective Pervasive Moderate
BC11SS115	Pervasive Weak	Null	Selective Pervasive Weak	Selective Pervasive Weak	Selective Pervasive Weak
BC11SS116	Pervasive Weak	Null	Selective Pervasive Moderate	Vein fill	Selective Pervasive Moderate
BC11SS117	Pervasive Moderate	Null	Selective Pervasive Weak	Vein fill	Selective Pervasive Weak
BC11SS118	Pervasive Moderate	Null	Null	Null	Selective Pervasive Weak
BC11SS119	Pervasive Weak	Null	Selective Pervasive Weak	Null	Selective Pervasive Weak
BC11SS120	Pervasive Weak	Null	Selective Pervasive Weak	Vein fill	Selective Pervasive Weak

Station Number	SER_1	SER_2	EPI_1	EPI_2	CHL_1
BC11SS121	Pervasive Moderate	Null	Null	Null	Selective Pervasive Moderate
BC11SS122	Pervasive Moderate	Pervasive Weak	Selective Pervasive Weak	Null	Selective Pervasive Weak
BC11SS123	Pervasive Moderate	Vein halo	Selective Pervasive Weak	Null	Selective Pervasive Weak
BC11SS124	Pervasive Weak	Null	Selective Pervasive Weak	Vein fill	Selective Pervasive Weak
BC11TL001	Pervasive Weak	Null	Selective Pervasive Strong	Null	Selective Pervasive Moderate
BC11TL002	Pervasive Weak	Null		Null	
BC11TL003	Pervasive Moderate	Null	Selective Pervasive Moderate	Null	Pervasive Moderate
BC11TL004	Pervasive Moderate	Null	None	Null	Pervasive Weak
BC11TL005	Pervasive Moderate	Null	Selective Pervasive Weak	Null	
BC11TL006	Pervasive Strong	Null	Selective Pervasive Weak	Null	Selective Pervasive Moderate
BC11TL007	Pervasive Moderate	Null	Pervasive Weak	Null	Pervasive Weak
BC11TL008	Pervasive Weak	Null	None	Null	Pervasive Weak
BC11TL009	Pervasive Weak	Null	None	Null	None
BC11TL010	Selective Pervasive Weak	Null	Selective Pervasive Moderate	Vein fill	Pervasive Moderate
BC11TL011					

Station Number	CHL_2	QTZ_1	QTZ_2	CARB_1	CARB_2	FE_CARB_1	FE_CARB_2	KSPAR_1	KSPAR_2	ALBITE_1	ALBITE_2
BC11KB021											
BC11KB023											
BC11KB024											
BC11KB025											
BC11KB026											
BC11KB027											
BC11KB029											
BC11KB031											
BC11KB032											
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BC11KB047											
BC11KB048											
BC11KB049											
BC11KB050											
BC11KB051											
BC11KB052											
BC11KB053											
BC11KB054											
BC11SS044	Null	Vein fill	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS045											
BC11SS046	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS047	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS048											
BC11SS049	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS050	Null	Null	Null	Vein fill	Null	Null	Null	Null	Null	Null	Null
BC11SS051	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS052	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null

Station Number	CHL_2	QTZ_1	QTZ_2	CARB_1	CARB_2	FE_CARB_1	FE_CARB_2	KSPAR_1	KSPAR_2	ALBITE_1	ALBITE_2
BC11SS053	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS054	Null	Vein fill	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS055	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS056	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS057	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS058	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS059	Vein halo	Vein fill	Null	Vein fill	Selective Pervasive Weak	Null	Null	Null	Null	Null	Null
BC11SS060	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS061	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS062	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS063	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS064	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS065	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS066	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS067	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null

Station Number	CHL_2	QTZ_1	QTZ_2	CARB_1	CARB_2	FE_CARB_1	FE_CARB_2	KSPAR_1	KSPAR_2	ALBITE_1	ALBITE_2
BC11SS068	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS069	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS070	Null	Vein fill	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS071	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS072	Vein halo	Vein fill	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS073	Null	Vein fill	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS074	Null	Vein fill	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS075	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS076	Selective Pervasive Weak	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS077	Selective Pervasive Moderate	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS078	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS079	None	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS080	Pervasive Weak	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS081	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null

Station Number	CHL_2	QTZ_1	QTZ_2	CARB_1	CARB_2	FE_CARB_1	FE_CARB_2	KSPAR_1	KSPAR_2	ALBITE_1	ALBITE_2
BC11SS082	Pervasive Weak	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS083	Vein halo	Vein fill	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS084	Pervasive Moderate	Vein fill	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS085	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS086	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS087	Pervasive Weak	Vein fill	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS088	Null	Null	Null	Vein fill	Blebs	Null	Null	Null	Null	Null	Null
BC11SS089	Null	Vein fill	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS090	Null	Pervasive Weak	Vein fill	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS091	Null	Vein fill	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS092	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS093	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS094	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null

Station Number	CHL_2	QTZ_1	QTZ_2	CARB_1	CARB_2	FE_CARB_1	FE_CARB_2	KSPAR_1	KSPAR_2	ALBITE_1	ALBITE_2
BC11SS095	Pervasive Weak	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS096	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS097	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS098	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS099	Null	Vein fill	Null	Vein fill	Blebs	Null	Null	Null	Null	Null	Null
BC11SS100	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS101	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS102	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS103	Pervasive Moderate	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS104	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS105	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS106	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS107	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS108	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS109	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null

Station Number	CHL_2	QTZ_1	QTZ_2	CARB_1	CARB_2	FE_CARB_1	FE_CARB_2	KSPAR_1	KSPAR_2	ALBITE_1	ALBITE_2
BC11SS110	Null	Vein fill	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS111	Null	Vein fill	Null	Blebs	Vein fill	Null	Null	Null	Null	Null	Null
BC11SS112	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS113	Null	Vein fill	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS114	Null	Vein fill	Null	Vein fill	Null	Null	Null	Null	Null	Null	Null
BC11SS115	Null	Vein fill	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS116	Null	Vein fill	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS117	Selective Pervasive Moderate	Vein fill	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS118	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS119	Null	Vein fill	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS120	Null	Vein fill	Null	Null	Null	Null	Null	Null	Null	Null	Null

Station Number	CHL_2	QTZ_1	QTZ_2	CARB_1	CARB_2	FE_CARB_1	FE_CARB_2	KSPAR_1	KSPAR_2	ALBITE_1	ALBITE_2
BC11SS121	Null	Vein fill	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS122	Null	Vein fill	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS123	Null	Vein fill	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11SS124	Null	Vein fill	Null	Vein fill	Blebs	Null	Null	Null	Null	Null	Null
BC11TL001	Null	Null	Null	Vein halo	Null	Null	Null	Null	Null	Null	Null
BC11TL002	Null	Null	Null	Pervasive Weak	Null	Null	Null	Null	Null	Null	Null
BC11TL003	Null	Null	Null	Vein fill	Null	Null	Null	Null	Null	Null	Null
BC11TL004	Null	Vein fill	Null		Null	Null	Null	Null	Null	Null	Null
BC11TL005	Null	Null	Null		Null	Null	Null	Null	Null	Null	Null
BC11TL006	Null	Null	Null		Null	Null	Null	Null	Null	Null	Null
BC11TL007	Null	Null	Null		Null	Null	Null	Null	Null	Null	Null
BC11TL008	Null	Null	Null		Null	Null	Null	Null	Null	Null	Null
BC11TL009	Null	Null	Null		Null	Null	Null	Null	Null	Null	Null
BC11TL010	Pervasive Moderate	Vein fill	Null	Null	Null	Null	Null	Null	Null	Null	Null
BC11TL011											

Station Number	BT_1	BT_2	CLAY_1	CLAY_2	PY_Style_1	PY_Style_2	PY_percent	CPY_Style_1	CPY_Style_2	CPY_percent	Cu_Ox_Style	Cu_Ox_percent
BC11KB021												
BC11KB023												
BC11KB024												
BC11KB025												
BC11KB026												
BC11KB027												
BC11KB029												
BC11KB031												
BC11KB032												
BC11KB033												
BC11KB034												
BC11KB035												
BC11KB036												
BC11KB037												
BC11KB038												
BC11KB039												
BC11KB040												
BC11KB041												
BC11KB043												
BC11KB045												
BC11KB046												
BC11KB047												
BC11KB048												
BC11KB049												
BC11KB050												
BC11KB051												
BC11KB052												
BC11KB053												
BC11KB054												
BC11SS044	Null	Null	Null	Null	Disseminated	Blebby	1-2%	Absent	Absent	0	Absent	0
BC11SS045												
BC11SS046	Null	Null	Null	Null	Disseminated	Stringers	1-3%	Absent	Absent	0	Absent	0
BC11SS047	Null	Null	Null	Null	Disseminated	Stringers	5-15%	Disseminated	Blebby	2	Absent	0
BC11SS048												
BC11SS049	Null	Null	Null	Null	Absent	Absent		Absent	Absent	0	Absent	0
BC11SS050	Null	Null	Null	Null	Absent	Absent		Absent	Absent	0	Absent	0
BC11SS051	Null	Null	Null	Null	Disseminated	Absent	0.5	Absent	Absent	0	Absent	0
BC11SS052	Null	Null	Null	Null	Disseminated	Absent	2	Absent	Absent	0	Absent	0

Station Number	BT_1	BT_2	CLAY_1	CLAY_2	PY_Style_1	PY_Style_2	PY_percent	CPY_Style_1	CPY_Style_2	CPY_percent	Cu_Ox_Style	Cu_Ox_percent
BC11SS053	Null	Null	Null	Null	Absent	Absent		Absent	Absent	0	Absent	0
BC11SS054	Null	Null	Null	Null	On fractures	Absent	0.5	Absent	Absent	0	Absent	0
BC11SS055	Null	Null	Null	Null	On fractures	Absent	0.5	Absent	Absent	0	Absent	0
BC11SS056	Null	Null	Null	Null	On fractures	Absent	1	Absent	Absent	0	Absent	0
BC11SS057	Null	Null	Null	Null	On fractures	Disseminated	0.5	Absent	Absent	0	Absent	0
BC11SS058	Null	Null	Null	Null	On fractures	Disseminated	0.5	Absent	Absent	0	Absent	0
BC11SS059	Null	Null	Null	Null	Vein Fill	On fractures	2	Absent	Absent	0	Absent	0
BC11SS060	Null	Null	Null	Null	Blebby	On fractures	0.5	Absent	Absent	0	Absent	0
BC11SS061	Null	Null	Null	Null	Absent	Absent	0	Absent	Absent	0	Absent	0
BC11SS062	Null	Null	Null	Null	On fractures	Absent	0.5	Absent	Absent	0	Absent	0
BC11SS063	Null	Null	Null	Null	Blebby	On fractures	0.5	Absent	Absent	0	Absent	0
BC11SS064	Null	Null	Null	Null	Absent	Absent	0	Absent	Absent	0	Absent	0
BC11SS065	Null	Null	Null	Null	Absent	Absent	0	Absent	Absent	0	Absent	0
BC11SS066	Null	Null	Null	Null	On fractures	Disseminated	0.5	Absent	Absent	0	Absent	0
BC11SS067	Null	Null	Null	Null	On fractures	Disseminated	1	Absent	Absent	0	Absent	0

Station Number	BT_1	BT_2	CLAY_1	CLAY_2	PY_Style_1	PY_Style_2	PY_percent	CPY_Style_1	CPY_Style_2	CPY_percent	Cu_Ox_Style	Cu_Ox_percent
BC11SS068	Null	Null	Null	Null	On fractures	Absent	0.5	Absent	Absent	0	Absent	0
BC11SS069	Null	Null	Null	Null	On fractures	Absent	0.5	On fractures	Absent	0.5	Absent	0
BC11SS070	Null	Null	Null	Null	Vein Fill	On fractures	2	On fractures	Disseminated	0.5	Blebby	2%
BC11SS071	Null	Null	Null	Null	On fractures	Disseminated	1	On fractures	Absent	0.5	Absent	0
BC11SS072	Null	Null	Null	Null	Blebby	On fractures	0.5	On fractures	Absent	0.5	Absent	0
BC11SS073	Null	Null	Null	Null	On fractures	Disseminated	2	Absent	Absent	0	Absent	0
BC11SS074	Null	Null	Null	Null	On fractures	Absent	0.5	Absent	Absent	0	Absent	0
BC11SS075	Null	Null	Null	Null	On fractures	Absent	0.5	Absent	Absent	0	Absent	0
BC11SS076	Null	Null	Null	Null	On fractures	Disseminated	0.5	Absent	Absent	0	Absent	0
BC11SS077	Null	Null	Null	Null	Disseminated	On fractures	5	Absent	Absent	0	Absent	0
BC11SS078	Null	Null	Null	Null	Absent	Absent	0	Absent	Absent	0	Absent	0
BC11SS079	Null	Null	Null	Null	On fractures	Absent	0.5	Absent	Absent	0	Absent	0
BC11SS080	Null	Null	Null	Null	On fractures	Absent	1	Absent	Absent	0	Absent	0
BC11SS081	Null	Null	Null	Null	On fractures	Disseminated	3	On fractures	Disseminated	0.5	Absent	0

Station Number	BT_1	BT_2	CLAY_1	CLAY_2	PY_Style_1	PY_Style_2	PY_percent	CPY_Style_1	CPY_Style_2	CPY_percent	Cu_Ox_Style	Cu_Ox_percent
BC11SS082	Null	Null	Null	Null	On fractures	Blebby	1	Absent	Absent	0	Absent	0
BC11SS083	Null	Null	Null	Null	On fractures	Disseminated	3	Absent	Absent	0	Absent	0
BC11SS084	Null	Null	Null	Null	On fractures	Disseminated	2	Absent	Absent	0	Absent	0
BC11SS085	Null	Null	Null	Null	Absent	Absent	0	Absent	Absent	0	Absent	0
BC11SS086	Null	Null	Null	Null	On fractures	Absent	0.5	Absent	Absent	0	Absent	0
BC11SS087	Null	Null	Null	Null	On fractures	Blebby	0.5	Absent	Absent	0	Absent	0
BC11SS088	Null	Null	Null	Null	On fractures	Disseminated	0.5	Absent	Absent	0	Absent	0
BC11SS089	Null	Null	Null	Null	On fractures	Absent	0.5	Absent	Absent	0	Absent	0
BC11SS090	Null	Null	Null	Null	Absent	Absent	0	Absent	Absent	0	Absent	0
BC11SS091	Null	Null	Null	Null	On fractures	Absent	0.5	Absent	Absent	0	Absent	0
BC11SS092	Null	Null	Null	Null	On fractures	Absent	0.5	Absent	Absent	0	Absent	0
BC11SS093	Null	Null	Null	Null	Absent	Absent	0	Absent	Absent	0	Absent	0
BC11SS094	Null	Null	Null	Null	On fractures	Blebby	2	Absent	Absent	0	Absent	0

Station Number	BT_1	BT_2	CLAY_1	CLAY_2	PY_Style_1	PY_Style_2	PY_percent	CPY_Style_1	CPY_Style_2	CPY_percent	Cu_Ox_Style	Cu_Ox_percent
BC11SS095	Null	Null	Null	Null	On fractures	Disseminated	4	Absent	Absent	0	Absent	0
BC11SS096	Null	Null	Null	Null	On fractures	Absent	0.5	Absent	Absent	0	Absent	0
BC11SS097	Null	Null	Null	Null	Blebby	On fractures	4	Absent	Absent	0	Absent	0
BC11SS098	Null	Null	Null	Null	On fractures	Disseminated	2	Absent	Absent	0	Absent	0
BC11SS099	Null	Null	Null	Null	Disseminated	Absent	1	Absent	Absent	0	Absent	0
BC11SS100	Null	Null	Null	Null	On fractures	Absent	0.5	Absent	Absent	0	Absent	0
BC11SS101	Null	Null	Null	Null	On fractures	Absent	0.5	Absent	Absent	0	Absent	0
BC11SS102	Null	Null	Null	Null	Disseminated	Absent	2	Absent	Absent	0	Absent	0
BC11SS103	Null	Null	Null	Null	Disseminated	On fractures	3	Absent	Absent	0	Absent	0
BC11SS104	Null	Null	Null	Null	Disseminated	On fractures	2	Absent	Absent	0	Absent	0
BC11SS105	Null	Null	Null	Null	Disseminated	On fractures	1	Absent	Absent	0	Absent	0
BC11SS106	Null	Null	Null	Null	On fractures	Absent	0.5	Absent	Absent	0	Absent	0
BC11SS107	Null	Null	Null	Null	On fractures	Absent	0.5	Absent	Absent	0	Absent	0
BC11SS108	Null	Null	Null	Null	On fractures	Absent	0.5	Absent	Absent	0	Absent	0
BC11SS109	Null	Null	Null	Null	On fractures	Blebby	0.5	Absent	Absent	0	Absent	0

Station Number	BT_1	BT_2	CLAY_1	CLAY_2	PY_Style_1	PY_Style_2	PY_percent	CPY_Style_1	CPY_Style_2	CPY_percent	Cu_Ox_Style	Cu_Ox_percent
BC11SS110	Null	Null	Null	Null	On fractures	Disseminated	0.5	Absent	Absent	0	Absent	0
BC11SS111	Null	Null	Null	Null	On fractures	Absent	1	Absent	Absent	0	Absent	0
BC11SS112	Null	Null	Null	Null	On fractures	Blebby	2	Absent	Absent	0	Absent	0
BC11SS113	Null	Null	Null	Null	On fractures	Disseminated	1	Absent	Absent	0	Absent	0
BC11SS114	Null	Null	Null	Null	On fractures	Absent	1	Absent	Absent	0	Absent	0
BC11SS115	Null	Null	Null	Null	Vein Fill	Blebby	0.5	Absent	Absent	0	Absent	0
BC11SS116	Null	Null	Null	Null	Vein Fill	Blebby	2	Absent	Absent	0	Absent	0
BC11SS117	Null	Null	Null	Null	Vein Fill	On fractures	2	Absent	Absent	0	Absent	0
BC11SS118	Null	Null	Null	Null	Disseminated	Absent	0.5	Absent	Absent	0	Absent	0
BC11SS119	Null	Null	Null	Null	Vein Fill	On fractures	0.5	Absent	Absent	0	Absent	0
BC11SS120	Null	Null	Null	Null	Vein Fill	Disseminated	0.5	Absent	Absent	0	Absent	0

Station Number	BT_1	BT_2	CLAY_1	CLAY_2	PY_Style_1	PY_Style_2	PY_percent	CPY_Style_1	CPY_Style_2	CPY_percent	Cu_Ox_Style	Cu_Ox_percent
BC11SS121	Null	Null	Null	Null	On fractures	Absent	0.5	Absent	Absent	0	Absent	0
BC11SS122	Null	Null	Null	Null	Absent	Absent	0	Absent	Absent	0	Absent	0
BC11SS123	Null	Null	Null	Null	Vein Fill	On fractures	1	Absent	Absent	0	Absent	0
BC11SS124	Null	Null	Null	Null	Vein Fill	Disseminated	3	Absent	Absent	0	Absent	0
BC11TL001	Null	Null	Null	Null	Disseminated		0.5	Absent	Absent	0	Absent	0
BC11TL002	Null	Null	Null	Null	Absent				Absent	0	Absent	0
BC11TL003	Null	Null	Null	Null	Absent		Not visible		Absent	0	Absent	0
BC11TL004	Null	Null	Pervasive Strong	Null	Disseminated		Up to 3 %	Disseminated	Absent	0.5	Absent	0
BC11TL005	Null	Null	Null	Null	Disseminated		0.5	Absent	Absent	0	Absent	0
BC11TL006	Null	Null	Null	Null				Absent	Absent	0	Absent	0
BC11TL007	Null	Null	Null	Null				Absent	Absent	0	Absent	0
BC11TL008	Null	Null	Null	Null				Absent	Absent	0	Absent	0
BC11TL009	Null	Null	Null	Null				Absent	Absent	0	Absent	0
BC11TL010	Null	Null	Null	Null	On fractures	Disseminated	2	Absent	Absent	0	Absent	0
BC11TL011												

Station Number	MT_Style	MT_percent	Limonite	Vein-Veinlet	Vein-veinlet_width(cm)	Vein_ spacing(cm)	Vein_density	MagSus
BC11KB021								
BC11KB023								
BC11KB024								
BC11KB025								
BC11KB026								
BC11KB027								
BC11KB029								
BC11KB031								
BC11KB032								
BC11KB033								
BC11KB034								
BC11KB035								
BC11KB036								
BC11KB037								
BC11KB038								
BC11KB039								
BC11KB040								
BC11KB041								
BC11KB043								
BC11KB045								
BC11KB046								
BC11KB047								
BC11KB048								
BC11KB049								
BC11KB050								
BC11KB051								
BC11KB052								
BC11KB053								0.46
BC11KB054								
BC11SS044	Absent	0	Goethite	Vein	1			
BC11SS045								
BC11SS046	Absent	0	Goethite					
BC11SS047	Absent	0	Goethite					
BC11SS048								
BC11SS049	Absent	0	Null					
BC11SS050	Absent	0	Hematite	Veinlet				
BC11SS051	Absent	0	Present (Indistinguishable)					
BC11SS052	Absent	0	Goethite					0.968000

Station Number	MT_Style	MT_percent	Limonite	Vein-Veinlet	Vein-veinlet_width(cm)	Vein_ spacing(cm)	Vein_density	MagSus
BC11SS053	Absent	0	Present (Indistinguishable)					
BC11SS054	Absent	0	Goethite					
BC11SS055	Absent	0	Goethite					
BC11SS056	Absent	0	Goethite					
BC11SS057	Absent	0	Goethite					
BC11SS058	Absent	0	Goethite					
BC11SS059	Absent	0	Goethite					0.585000
BC11SS060	Absent	0	Goethite					
BC11SS061	Absent	0	Goethite					
BC11SS062	Absent	0	Goethite					0.560000
BC11SS063	Absent	0	Hematite					0.370000
BC11SS064	Absent	0	Goethite					0.715000
BC11SS065	Absent	0	Null					
BC11SS066	Absent	0	Goethite					
BC11SS067	Absent	0	Goethite					0.340000

Station Number	MT_Style	MT_percent	Limonite	Vein-Veinlet	Vein-veinlet_width(cm)	Vein_ spacing(cm)	Vein_density	MagSus
BC11SS068	Absent	0	Null					
BC11SS069	Absent	0	Hematite					
BC11SS070	Absent	0	Goethite	Vein	0.2cm to 2cm			0.477500
BC11SS071	Absent	0	Goethite					
BC11SS072	Absent	0	Goethite					
BC11SS073	Absent	0	Goethite					
BC11SS074	Absent	0	Null					
BC11SS075	Absent	0	Goethite					
BC11SS076	Absent	0	Goethite					
BC11SS077	Absent	0	Goethite					0.552500
BC11SS078	Absent	0	Null					
BC11SS079	Absent	0	Goethite					
BC11SS080	Absent	0	Goethite					
BC11SS081	Absent	0	Goethite					12.250000

Station Number	MT_Style	MT_percent	Limonite	Vein-Veinlet	Vein-veinlet_width(cm)	Vein_ spacing(cm)	Vein_density	MagSus
BC11SS082	Absent	0	Goethite					
BC11SS083	Absent	0	Goethite					
BC11SS084	Absent	0	Goethite					
BC11SS085	Absent	0	Null					0.527500
BC11SS086	Absent	0	Goethite					
BC11SS087	Absent	0	Goethite					
BC11SS088	Absent	0	Goethite					0.347500
BC11SS089	Absent	0	Goethite					
BC11SS090	Absent	0	Null					
BC11SS091	Absent	0	Goethite					
BC11SS092	Absent	0	Goethite					
BC11SS093	Absent	0	Goethite					
BC11SS094	Absent	0	Goethite					

Station Number	MT_Style	MT_percent	Limonite	Vein-Veinlet	Vein-veinlet_width(cm)	Vein_ spacing(cm)	Vein_density	MagSus
BC11SS095	Absent	0	Goethite					
BC11SS096	Absent	0	Goethite					
BC11SS097	Absent	0	Goethite					
BC11SS098	Absent	0	Goethite					
BC11SS099	Absent	0	Goethite					
BC11SS100	Absent	0	Goethite					
BC11SS101	Absent	0	Goethite					
BC11SS102	Absent	0	Null					
BC11SS103	Absent	0	Goethite					
BC11SS104	Absent	0	Goethite					
BC11SS105	Absent	0	Goethite					0.230000
BC11SS106	Absent	0	Goethite					
BC11SS107	Absent	0	Goethite					
BC11SS108	Absent	0	Goethite					
BC11SS109	Absent	0	Goethite					

Station Number	MT_Style	MT_percent	Limonite	Vein-Veinlet	Vein-veinlet_width(cm)	Vein_ spacing(cm)	Vein_density	MagSus
BC11SS110	Absent	0	Hematite	Veinlet	0.2			
BC11SS111	Absent	0	Hematite					0.422500
BC11SS112	Absent	0	Hematite					
BC11SS113	Absent	0	Goethite					
BC11SS114	Absent	0	Goethite	Vein	1.5			0.247500
BC11SS115	Absent	0	Goethite	Vein	2, 4			
BC11SS116	Absent	0	Goethite	Vein				
BC11SS117	Absent	0	Goethite	Vein	0.2-0.5	20	0.0175	0.570000
BC11SS118	Absent	0	Goethite					
BC11SS119	Absent	0	Goethite	Vein	0.5	60	0.008333333	0.230000
BC11SS120	Absent	0	Hematite	Vein				

Station Number	MT_Style	MT_percent	Limonite	Vein-Veinlet	Vein-veinlet_width(cm)	Vein_ spacing(cm)	Vein_density	MagSus
BC11SS121	Absent	0	Goethite	Veinlet				
BC11SS122	Absent	0	Null	Veinlet				
BC11SS123	Absent	0	Goethite	Veinlet				
BC11SS124	Absent	0	Goethite					0.625000
BC11TL001	Absent	0	Null	Veinlet	0.10	0	0	
BC11TL002	Absent	0	Null					0.38
BC11TL003	Absent	0	Present (Indistinguishable)	Veinlet	0.10			0.25
BC11TL004	Absent	0	Present (Indistinguishable)	Vein	1.00			0.87
BC11TL005	Absent	0						0.19
BC11TL006	Absent	0						0.2
BC11TL007	Absent	0						0.52
BC11TL008	Absent	0						
BC11TL009	Absent	0	Present (Indistinguishable)					
BC11TL010	Absent	0	Goethite					
BC11TL011								

Station Number	Structures(RHR)	Comments-Interpretation
BC11KB021		
BC11KB023		
BC11KB024		
BC11KB025		
BC11KB026		
BC11KB027		
BC11KB029		
BC11KB031		
BC11KB032		
BC11KB033		
BC11KB034		
BC11KB035		
BC11KB036		
BC11KB037		
BC11KB038		
BC11KB039		
BC11KB040		
BC11KB041		
BC11KB043		
BC11KB045		
BC11KB046		
BC11KB047		
BC11KB048		
BC11KB049		
BC11KB050		
BC11KB051		
BC11KB052		
BC11KB053		
BC11KB054		
BC11SS044		Extrusive flow (trachyte?) with varying plag + mafic content, pyrrhotite present & disseminated
BC11SS045		
BC11SS046		Sericite moderate pervasive (more abundant with sulphides). Blebs of pyrrhotite seem to be associated with chlorite bleaching.
BC11SS047		cpy associated with epidote in areas. Prophylitic alteration.
BC11SS048		
BC11SS049		
BC11SS050		f. grained coherent mafic likely of the Witch Lake succession
BC11SS051		volcaniclastic flow (trachyte) with intermixed argillite and siltstones
BC11SS052		mixed siltstone & epiclastic unit with volcaniclastic clasts included. 2% pyrrhotite, possible agglomerate.

Station Number	Structures(RHR)	Comments-Interpretation
BC11SS053		hbl & plag phyric trachyte to diorite
BC11SS054		
BC11SS055		
BC11SS056	023/65	mafic dike
BC11SS057		
BC11SS058		
BC11SS059		
BC11SS060		contact w/ mafic dike
BC11SS061		
BC11SS062		
BC11SS063		
BC11SS064		
BC11SS065		
BC11SS066		
BC11SS067		fracture area (possibly dike?)

Station Number	Structures(RHR)	Comments-Interpretation
BC11SS068		
BC11SS069		
BC11SS070	200/60 (epi-qtz-act veinlets)	actinolite present, possibly indicating higher temperature.
BC11SS071		
BC11SS072		
BC11SS073		
BC11SS074		shear zone
BC11SS075		
BC11SS076		
BC11SS077		up to 10% on fracture
BC11SS078		large outcrop on top of null, less altered
BC11SS079		
BC11SS080		
BC11SS081	192/70 and 190/80	shear/foliation

Station Number	Structures(RHR)	Comments-Interpretation
BC11SS082	160/85, 190/80, 185/90	epi veins east of 82
BC11SS083		series of 3 outcrops
BC11SS084		chl and epi alt intense version of BC11SS083
BC11SS085		
BC11SS086		shearing fabric and alignment could indicate contact. Dike intruding outcrop
BC11SS087		contact between crowded and megacrystic units
BC11SS088		cc not present in megacrystic diorite
BC11SS089		
BC11SS090		
BC11SS091		
BC11SS092		
BC11SS093		
BC11SS094		

Station Number	Structures(RHR)	Comments-Interpretation
BC11SS095		
BC11SS096	N - 120, 116/70 & S - 220, 200	foliation direction changes to south (20m)
BC11SS097		
BC11SS098		
BC11SS099		
BC11SS100		
BC11SS101		
BC11SS102		
BC11SS103	000/45	foliation trending north (possible contact)
BC11SS104		
BC11SS105		
BC11SS106		
BC11SS107		
BC11SS108		
BC11SS109		Possible epidote vein nearby (seen in float) and Slicken lines.

Station Number	Structures(RHR)	Comments-Interpretation
BC11SS110		Possible Slicken lines
BC11SS111		
BC11SS112		
BC11SS113		
BC11SS114	calcite - 334/68	
BC11SS115	quartz - 348/82 & 340/80	increasing limonite
BC11SS116		
BC11SS117	epi-qtz = 140/50 & 196/38 qtz = 022/32 felsic dike = 342/68	cross-cutting relations of qtz and qtz-epi veins (see photo)
BC11SS118		
BC11SS119		probably less dense.
BC11SS120	older qtz veinlets = 350/62 younger lrg qtz vein (with some epi) = 035/60	larger vein cross cutting some qtz veinlets (some epi in large vein)

Station Number	Structures(RHR)	Comments-Interpretation
BC11SS121		
BC11SS122		
BC11SS123		
BC11SS124		
BC11TL001		
BC11TL002		
BC11TL003		
BC11TL004		Very limonitic
BC11TL005		
BC11TL006		
BC11TL007		
BC11TL008		Relatively unaltered.
BC11TL009		
BC11TL010		chl and epi alt intense version of BC11SS083
BC11TL011		

Appendix 2: Geology and Rock Geochemical Maps

422000

424000

426000

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6088000

N

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S

1080533

1080018

1080017

1080015

1080014

1080011

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1080008

1080006

1080009

1080003

1080005

1080004

1080013

1080007

1080529

1080528

1080527

1080538

1080534

1080532

1080531

1080530

1080536

1080537

CRIPPLE 008

CRIPPLE 013

CRIPPLE 011

CRIPPLE 014

0 1 2 Kilometers

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Vancouver, BC Canada

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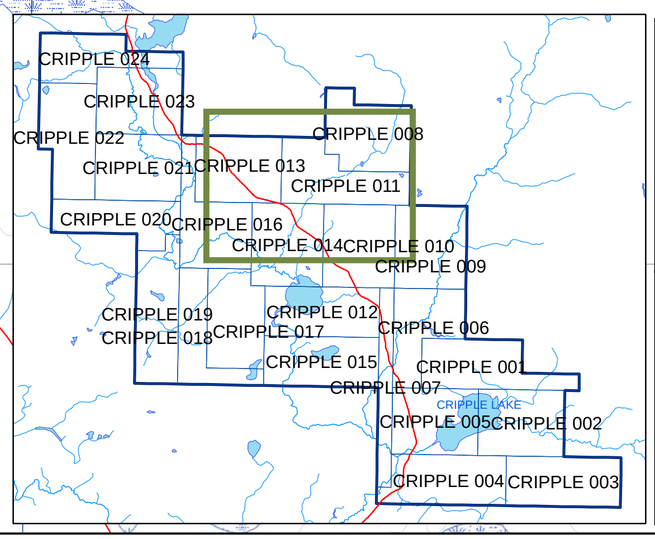
OMINECA MINING DIVISION

Whole Rock Samples
Location Map

SCALE: 1:10,000	DATUM: NAD83, Zone 10	Figure:
DATE: December 2011	DRAWN BY: S. SYKORA	



LEGEND

- Cripple 2011 Whole Rock ID
- 2011 Soil Samples
- Teck Claim
- 2010 Historic Soil Samples
- Major Roads
- Rivers
- Lakes
- Contours
- Wetlands

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418000
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CRIPPLE 022
CRIPPLE 023
CRIPPLE 021
CRIPPLE 013
1080541
1080535
1080539
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Kilometers
Teck
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Vancouver, BC Canada
CRIPPLE PROPERTY
OMINECA MINING DIVISION
Whole Rock Samples
Location Map
SCALE: 1:10,000	DATUM: NAD83, Zone 10	Figure:
DATE: December 2011	DRAWN BY: S. SYKORA	
CRIPPLE 020
CRIPPLE 024
CRIPPLE 023
CRIPPLE 022
CRIPPLE 021
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CRIPPLE 008
CRIPPLE 011
CRIPPLE 020
CRIPPLE 016
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CRIPPLE 010
CRIPPLE 009
CRIPPLE 019
CRIPPLE 018
CRIPPLE 012
CRIPPLE 017
CRIPPLE 006
CRIPPLE 015
CRIPPLE 001
CRIPPLE 007
CRIPPLE LAKE
CRIPPLE 005
CRIPPLE 002
CRIPPLE 004
CRIPPLE 003
LEGEND
- Cripple 2011 Whole Rock ID
- 2011 Soil Samples
- Teck Claim
- 2010 Historic Soil Samples
- Major Roads
- Rivers
- Lakes
- Contours
- Wetlands

422000
424000
426000
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N
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109.32
148.15
71.73
35.85
124.15
123.37
123.15
66.18
57.29
80.42
192.26
132.93
86.53
99.94
143.28
151.8
121.88
7.93
53.8
34.38
76.13
28.52
78.73
37.57
24.43
CRIPPLE 008
CRIPPLE 013
CRIPPLE 011
CRIPPLE 014
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Kilometers
Teck
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Vancouver, BC Canada
CRIPPLE PROPERTY
OMINECA MINING DIVISION
2011 Rock Geochemistry
Cu ppm
SCALE: 1:10,000	DATUM: NAD83, Zone 10	Figure:
DATE: December 2011	DRAWN BY: S. SYKORA	
CRIPPLE 024
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CRIPPLE 012
CRIPPLE 006
CRIPPLE 015
CRIPPLE 001
CRIPPLE 007
CRIPPLE LAKE
CRIPPLE 005
CRIPPLE 002
CRIPPLE 004
CRIPPLE 003
LEGEND
Copper (ppm)
Cu
- 7.93 - 37.57
- 37.58 - 76.13
- 76.14 - 103.37
- 103.38 - 132.93
- 132.94 - 192.26
- 2011 Soil Samples
- Teck Claim
- 2010 Historic Soil Samples
- Major Roads
- Rivers
- Lakes
- Contours
- Wetlands

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CRIPPLE 022

CRIPPLE 023

CRIPPLE 021

CRIPPLE 013

142.58

131.61

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0 1 2 Kilometers

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OMINECA MINING DIVISION

2011 Rock Geochemistry
Cu ppm

SCALE: 1:10,000	DATUM: NAD83, Zone 10	Figure:
DATE: December 2011	DRAWN BY: S. SYKORA	

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CRIPPLE 012
CRIPPLE 017
CRIPPLE 006
CRIPPLE 015
CRIPPLE 001
CRIPPLE 007
CRIPPLE LAKE
CRIPPLE 005
CRIPPLE 002
CRIPPLE 004
CRIPPLE 003

LEGEND

Copper (ppm)

Cu

- 7.93 - 37.57
- 37.58 - 76.13
- 76.14 - 103.37
- 103.38 - 132.93
- 132.94 - 192.26
- 2011 Soil Samples
- Teck Claim
- 2010 Historic Soil Samples
- Major Roads
- Rivers
- Lakes
- Contours
- Wetlands

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CRIPPLE 014
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0.1
0.1
1
0.7
4
0.4
0.1
11.6
2.5
6
0.7
0.1
1.4
1
0.2
1.3
11.4
0
1
2
Kilometers
Teck
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OMINECA MINING DIVISION
2011 Rock Geochemistry
Au ppb
SCALE: 1:10,000	DATUM: NAD83, Zone 10	Figure:
DATE: December 2011	DRAWN BY: S. SYKORA	
CRIPPLE 024
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CRIPPLE 009
CRIPPLE 012
CRIPPLE 017
CRIPPLE 006
CRIPPLE 015
CRIPPLE 001
CRIPPLE 007
CRIPPLE LAKE
CRIPPLE 005
CRIPPLE 002
CRIPPLE 004
CRIPPLE 003
LEGEND
Gold (ppb)
Au_ppb
- 0.10 - 0.70
- 0.71 - 2.50
- 2.51 - 6.00
- 6.01 - 17.80
- 17.81 - 209.10
- 2011 Soil Samples
- Teck Claim
- 2010 Historic Soil Samples
- Major Roads
- Rivers
- Lakes
- Contours
- Wetlands

416000
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Kilometers
Teck
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Vancouver, BC Canada
CRIPPLE PROPERTY
OMINECA MINING DIVISION
2011 Rock Geochemistry
Au ppb
SCALE: 1:10,000	DATUM: NAD83, Zone 10	Figure:
DATE: December 2011	DRAWN BY: S. SYKORA	
CRIPPLE 020
CRIPPLE 024
CRIPPLE 023
CRIPPLE 022
CRIPPLE 021
CRIPPLE 013
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CRIPPLE 020
CRIPPLE 016
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CRIPPLE 017
CRIPPLE 006
CRIPPLE 015
CRIPPLE 001
CRIPPLE 007
CRIPPLE LAKE
CRIPPLE 005
CRIPPLE 002
CRIPPLE 004
CRIPPLE 003
LEGEND
Gold (ppb)
Au_ppb
- 0.10 - 0.70
- 0.71 - 2.50
- 2.51 - 6.00
- 6.01 - 17.80
- 17.81 - 209.10
- 2011 Soil Samples
- Teck Claim
- 2010 Historic Soil Samples
- Major Roads
- Rivers
- Lakes
- Contours
- Wetlands

415000
420000
425000
430000
6090000
6085000
6080000

Black Fly Hill

Plateau

CRIPPLE LAKE

2010 Mapping

LEGEND

- Cripple 2011 Outcrop Stations
- 2011 Soil Samples
- Claim Boundary
- Historic Soil Samples
- Minor Rivers
- Major Rivers
- Small Lakes
- Large Lakes
- Contours
- CrippleWetlands

0 1 2 3 Kilometers

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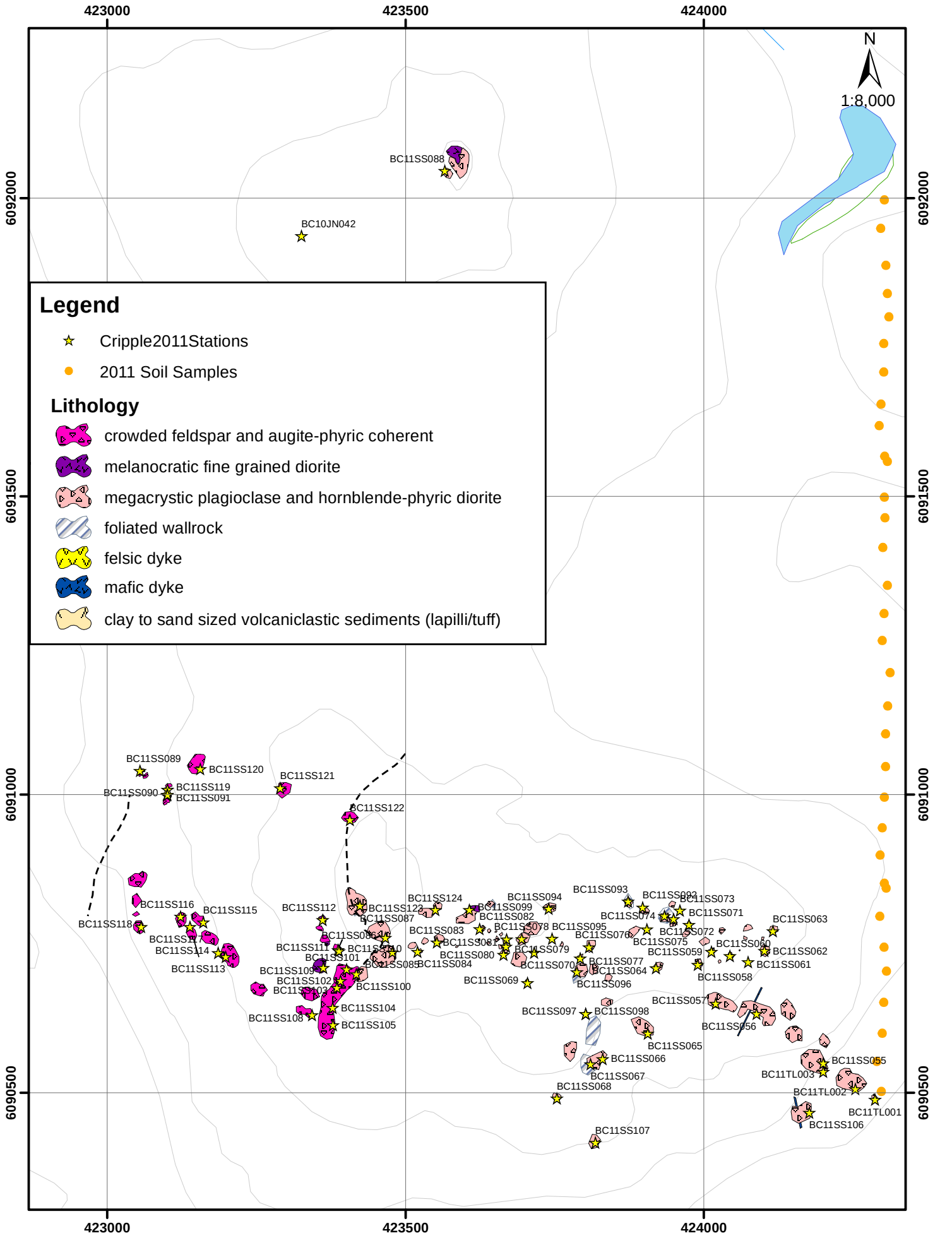
OMINECA MINING DIVISION

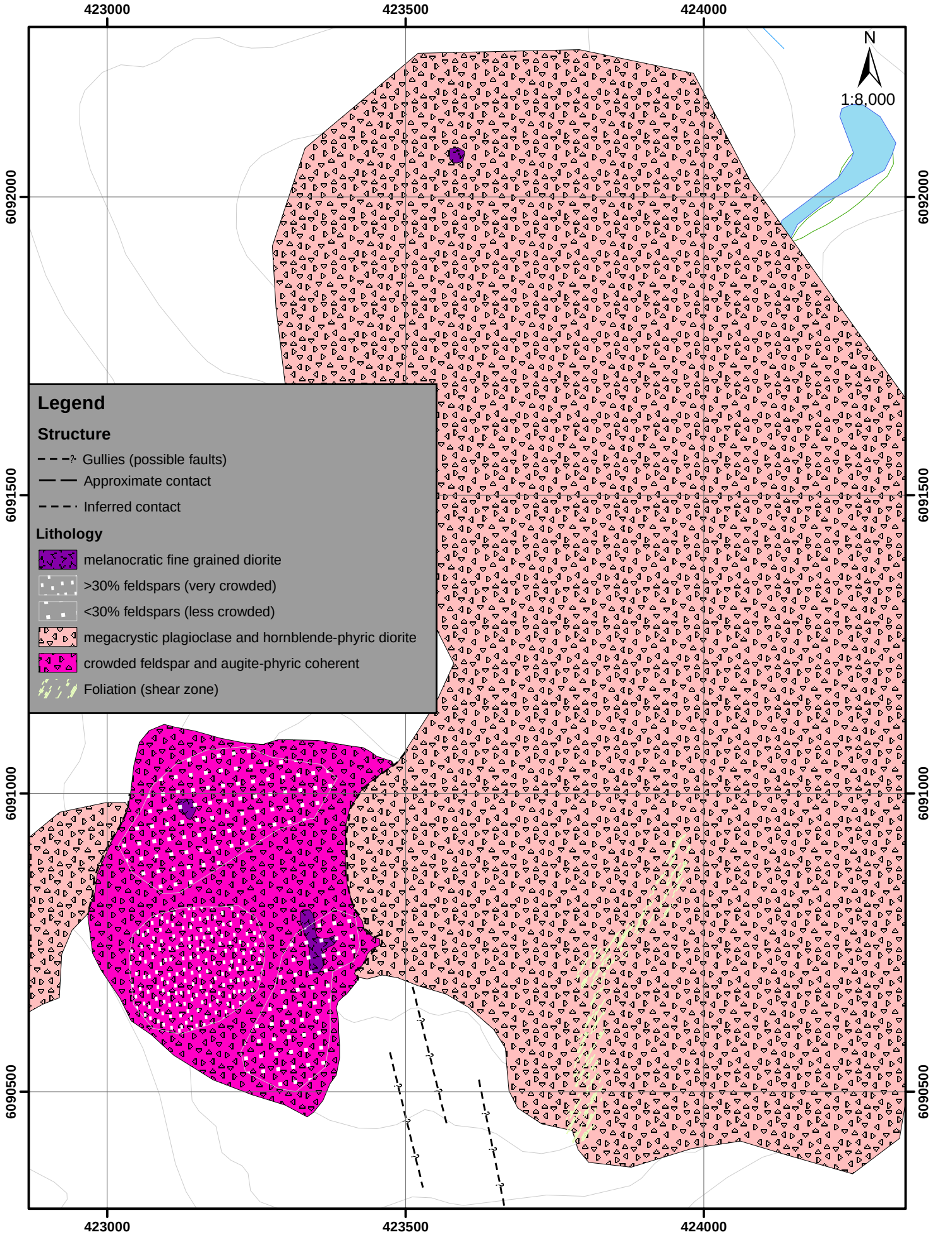
Outcrop and Whole Rock Sample Location Map

SCALE: 1:35,000	DATUM: NAD83, Zone 10	Figure:
DATE: December 2011	DRAWN BY: S. SYKORA	

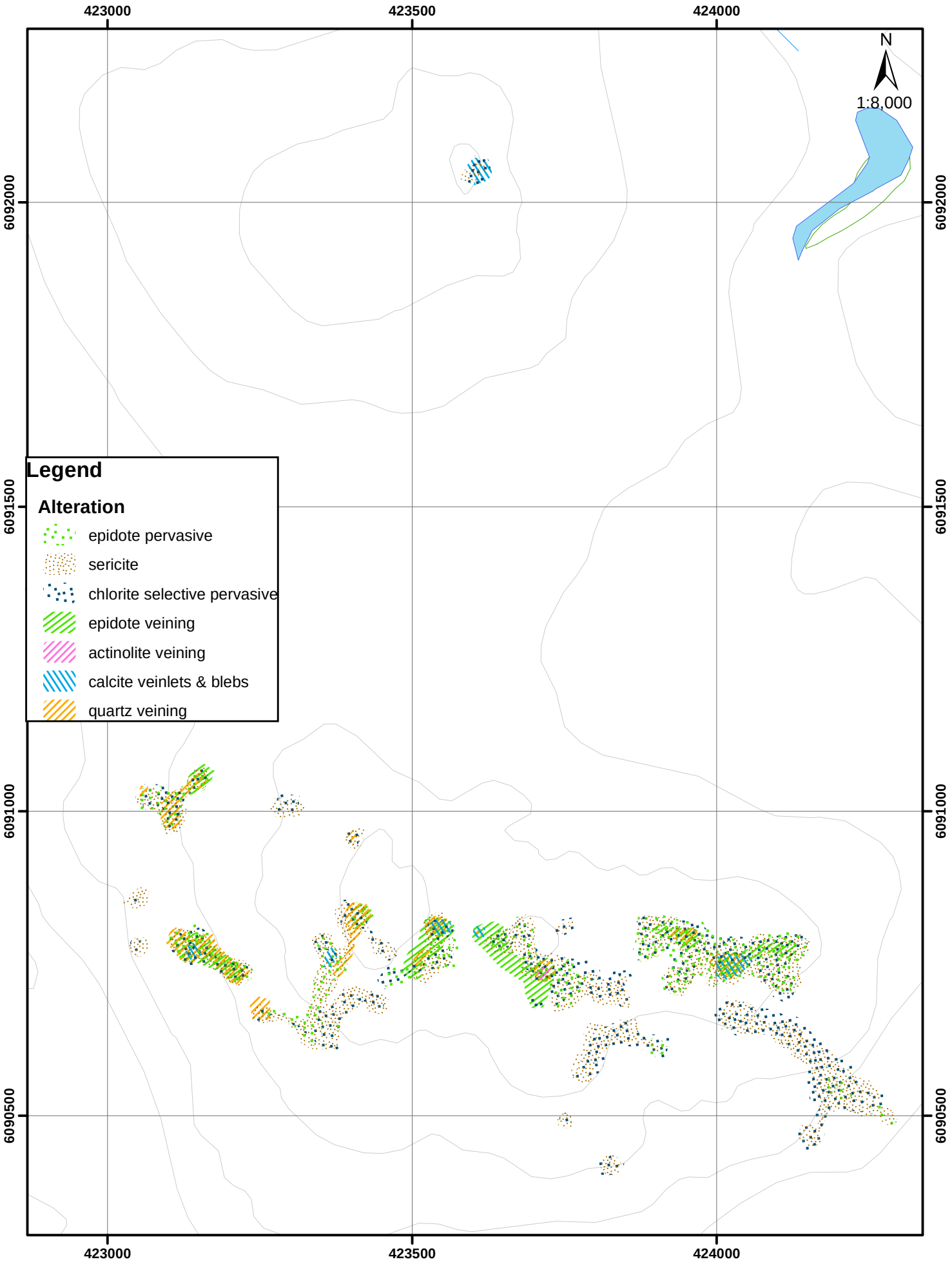
Cripple 2011 Black Fly Hill - Lithology & Station ID



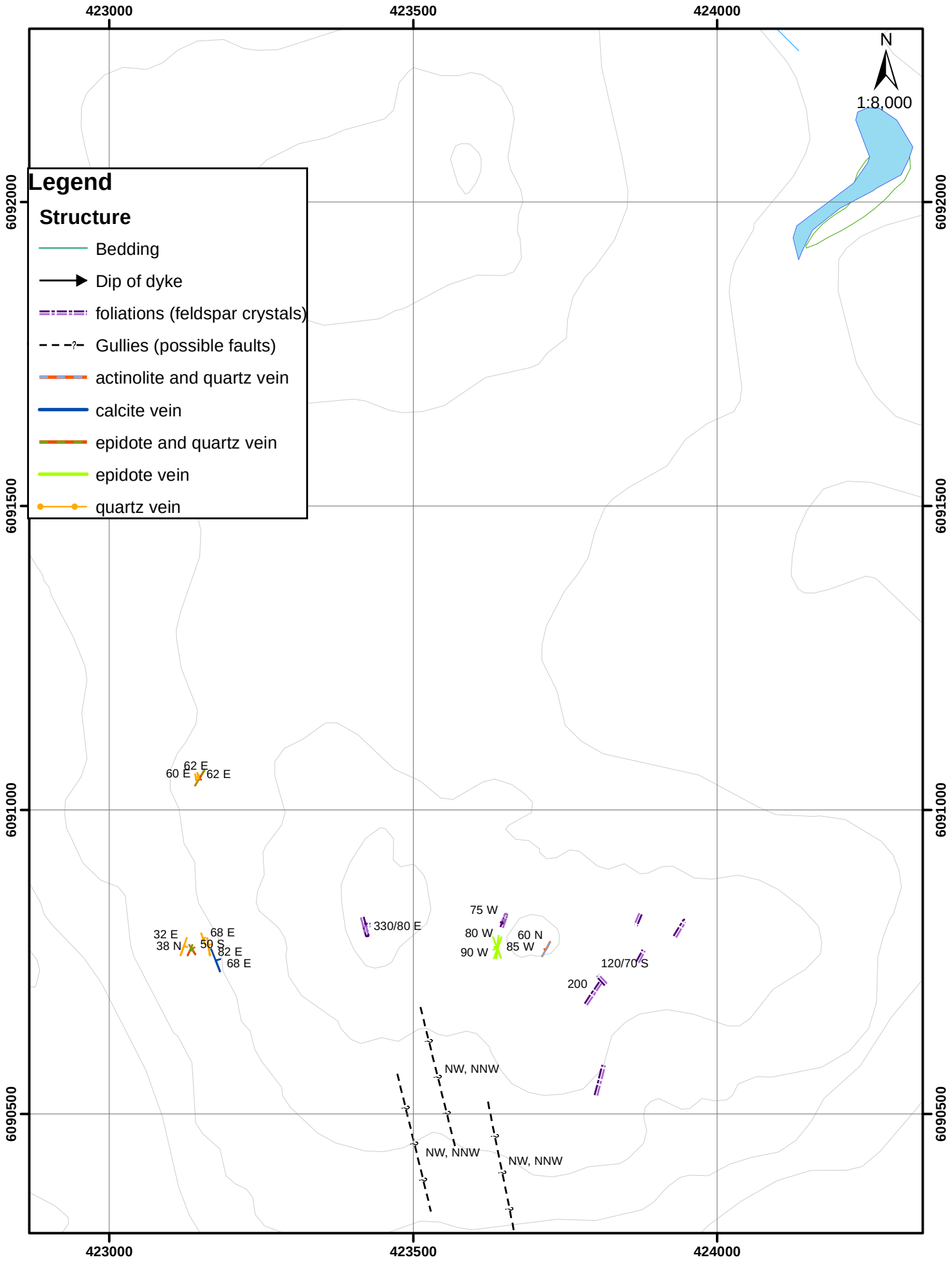
Cripple 2011 Black Fly Hill - Interpreted Geology



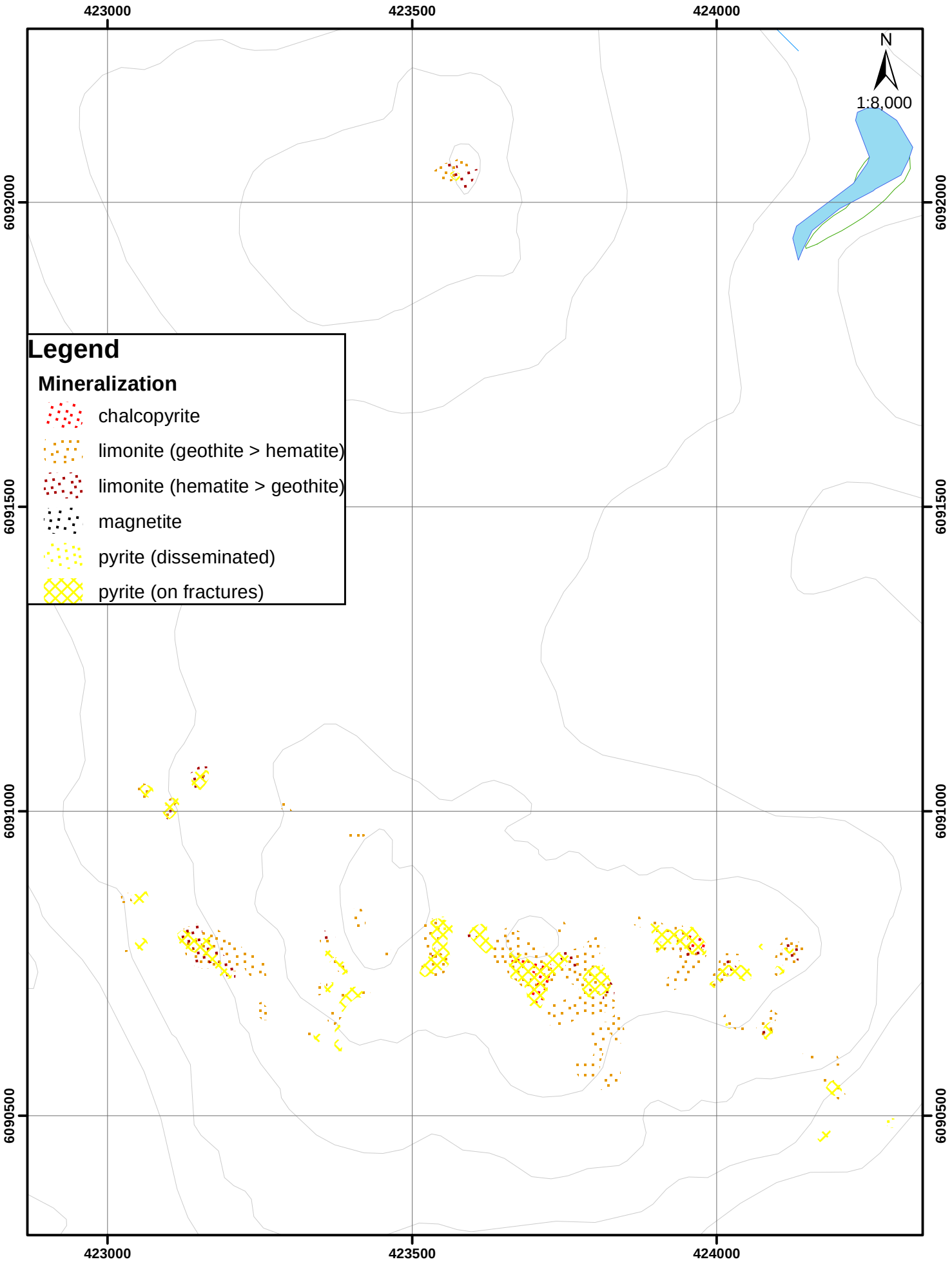
Cripple 2011 Black Fly Hill - Alteration



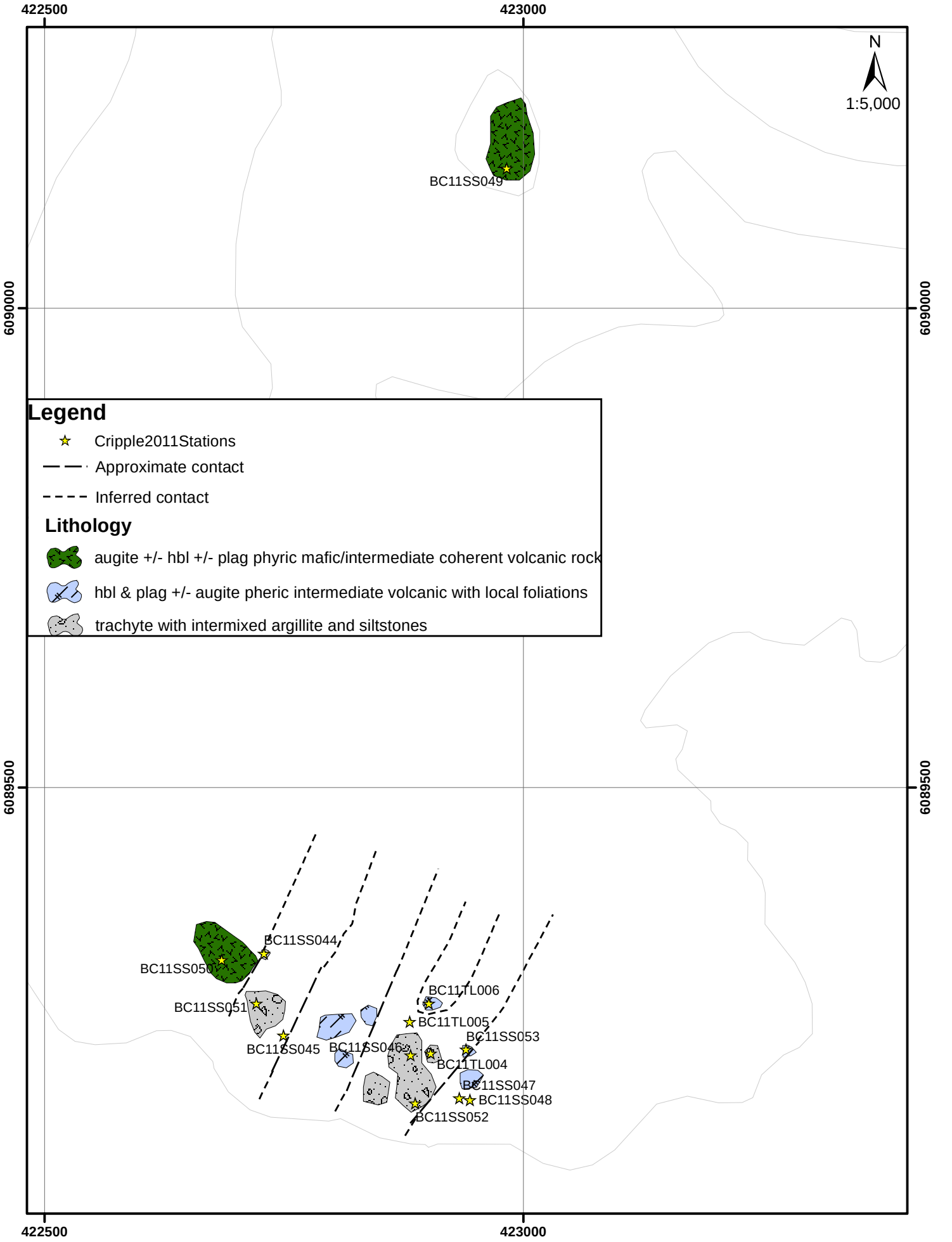
Cripple 2011 Black Fly Hill - Veins



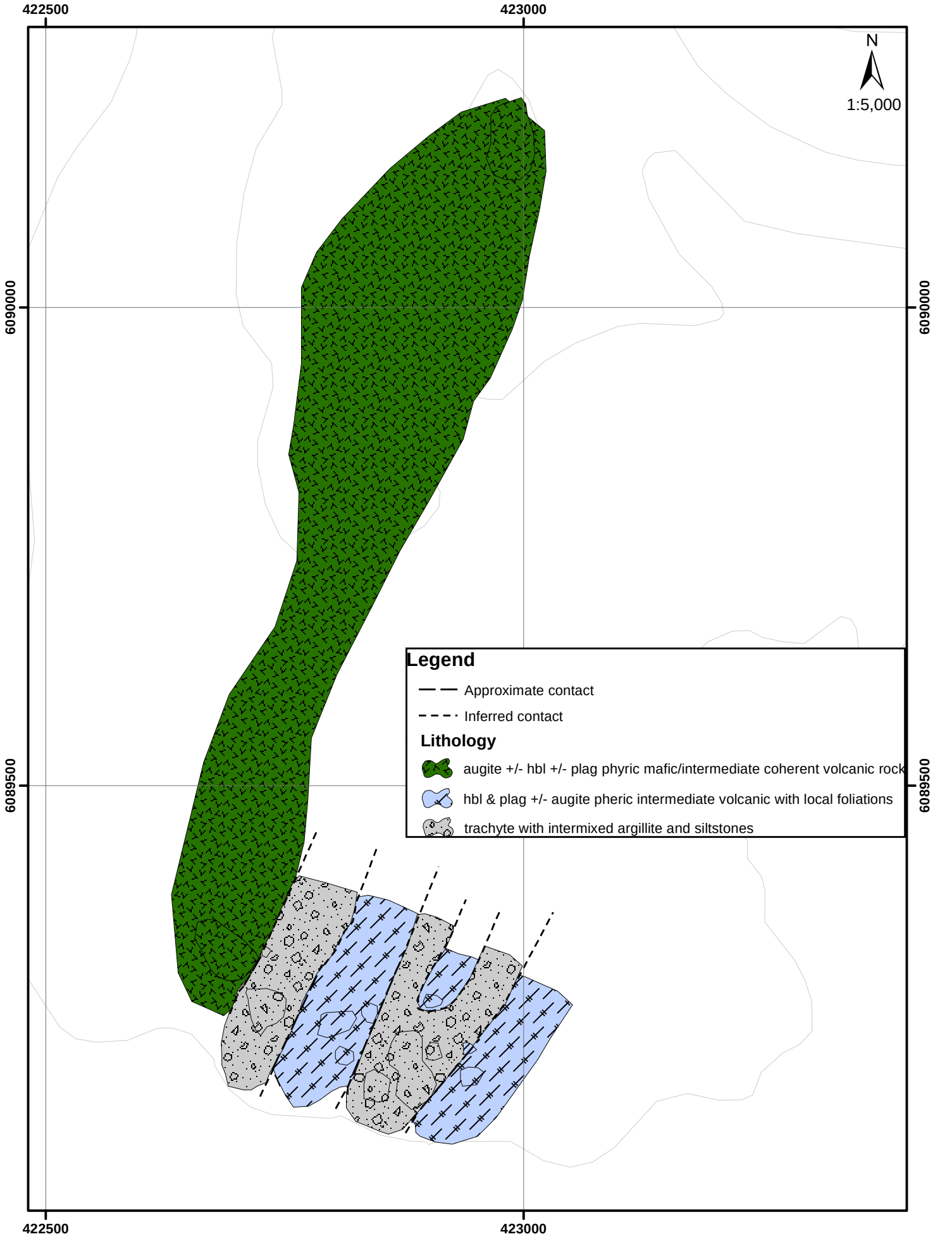
Cripple 2011 Black Fly Hill - Mineralization



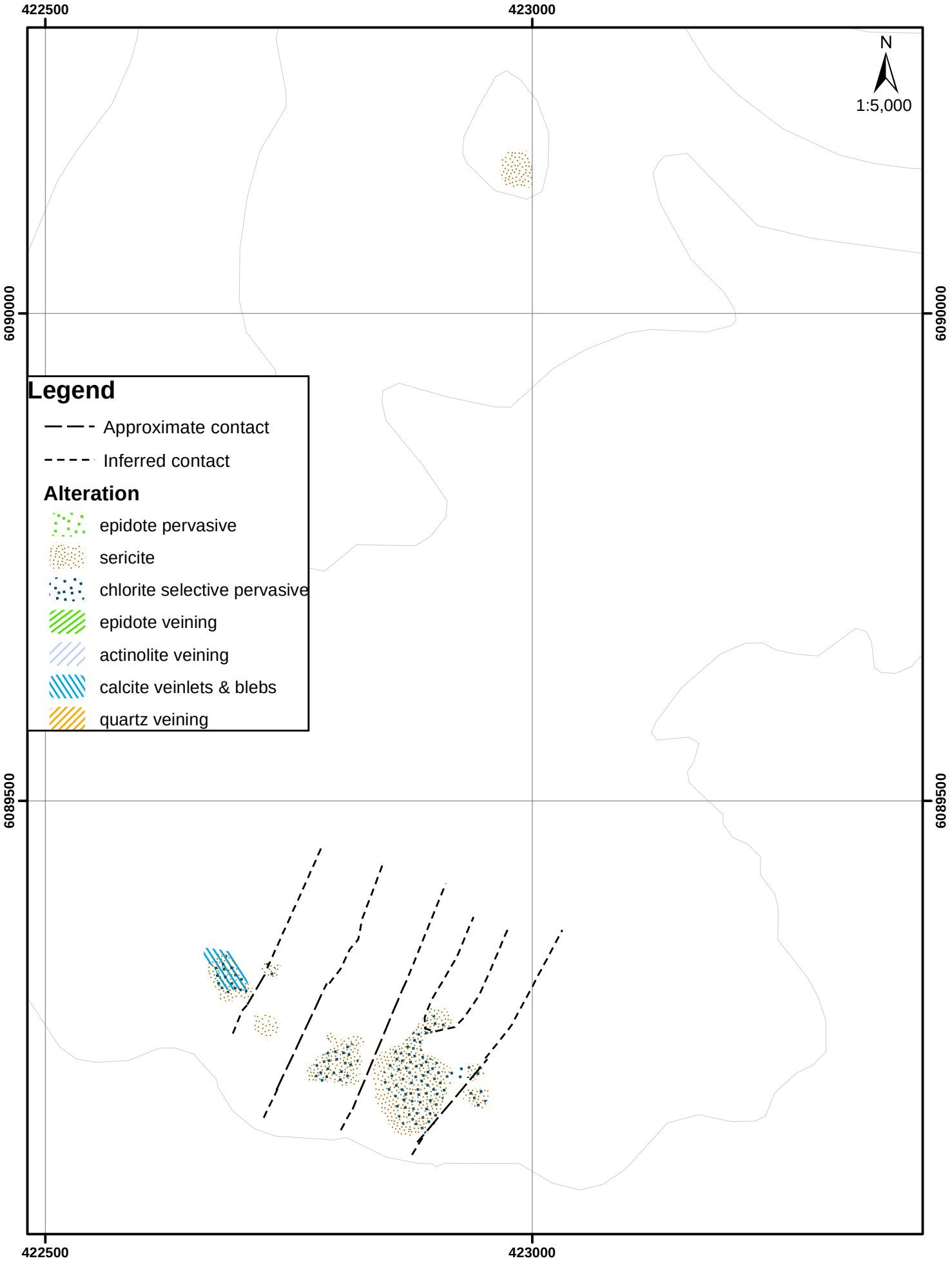
Cripple 2011 Plateau Area - Lithology & Station ID



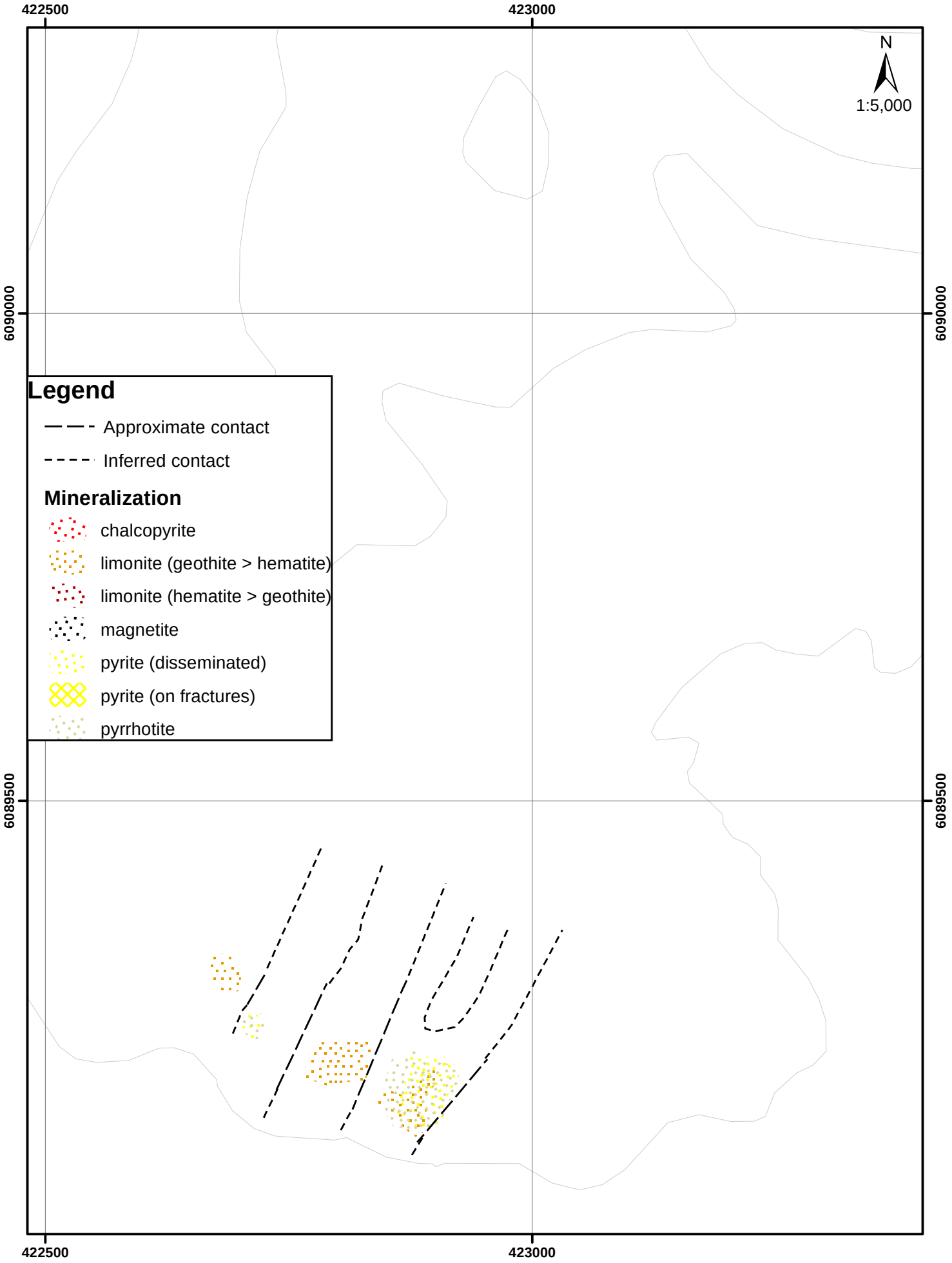
Cripple 2011 Plateau Area - Interpreted Geology



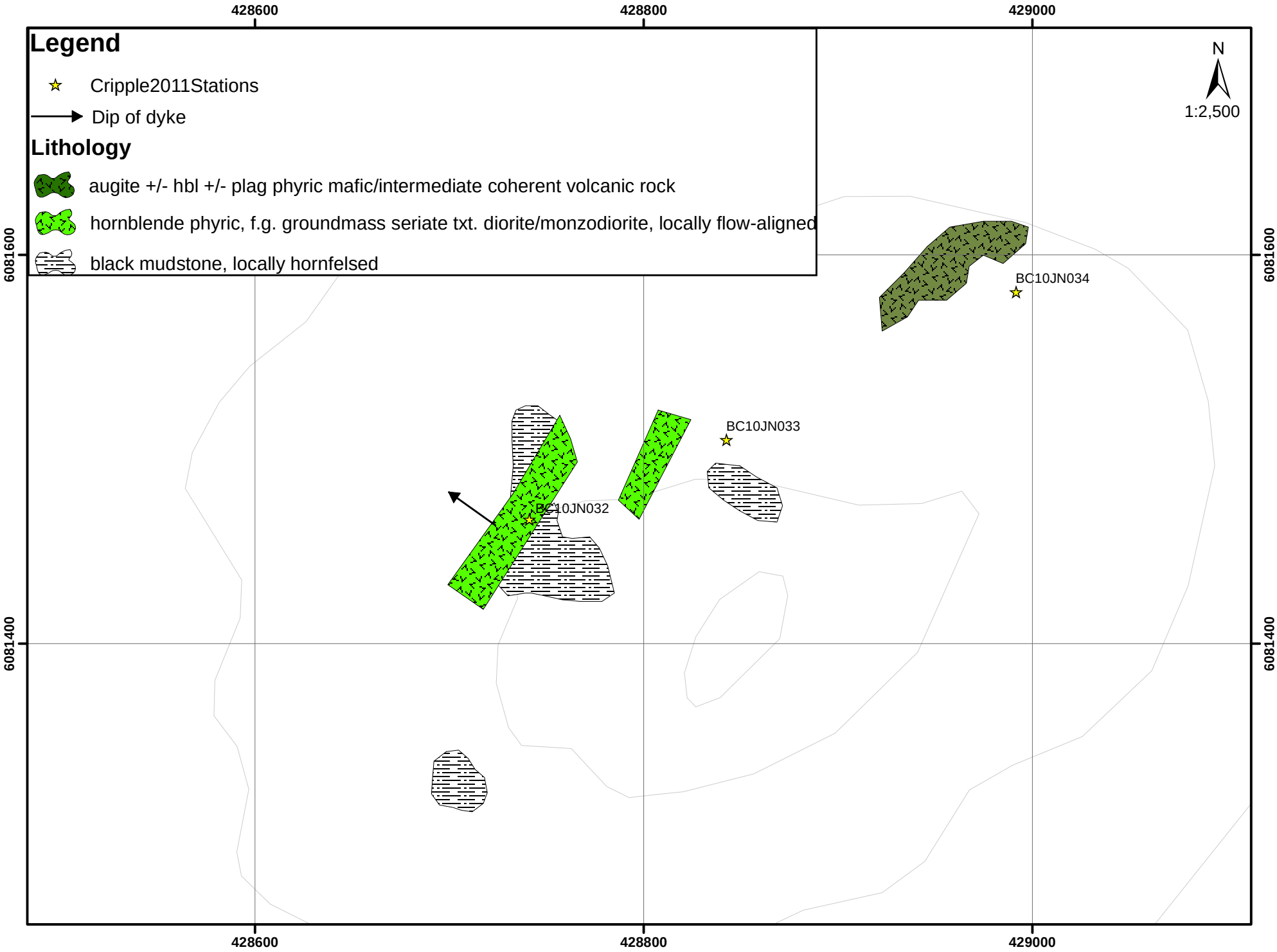
Cripple 2011 Plateau Area - Alteration



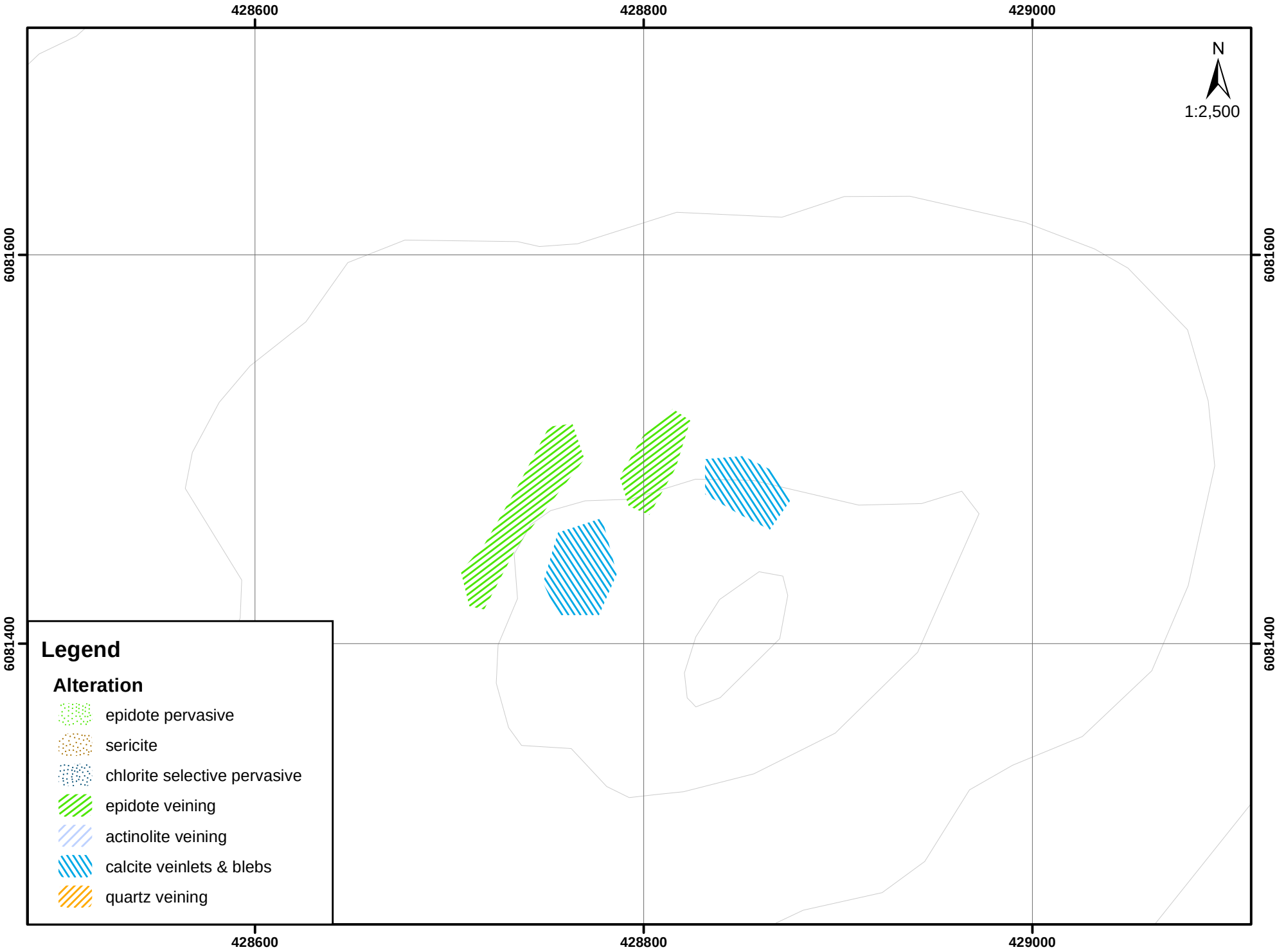
Cripple 2011 Plateau Area - Mineralization



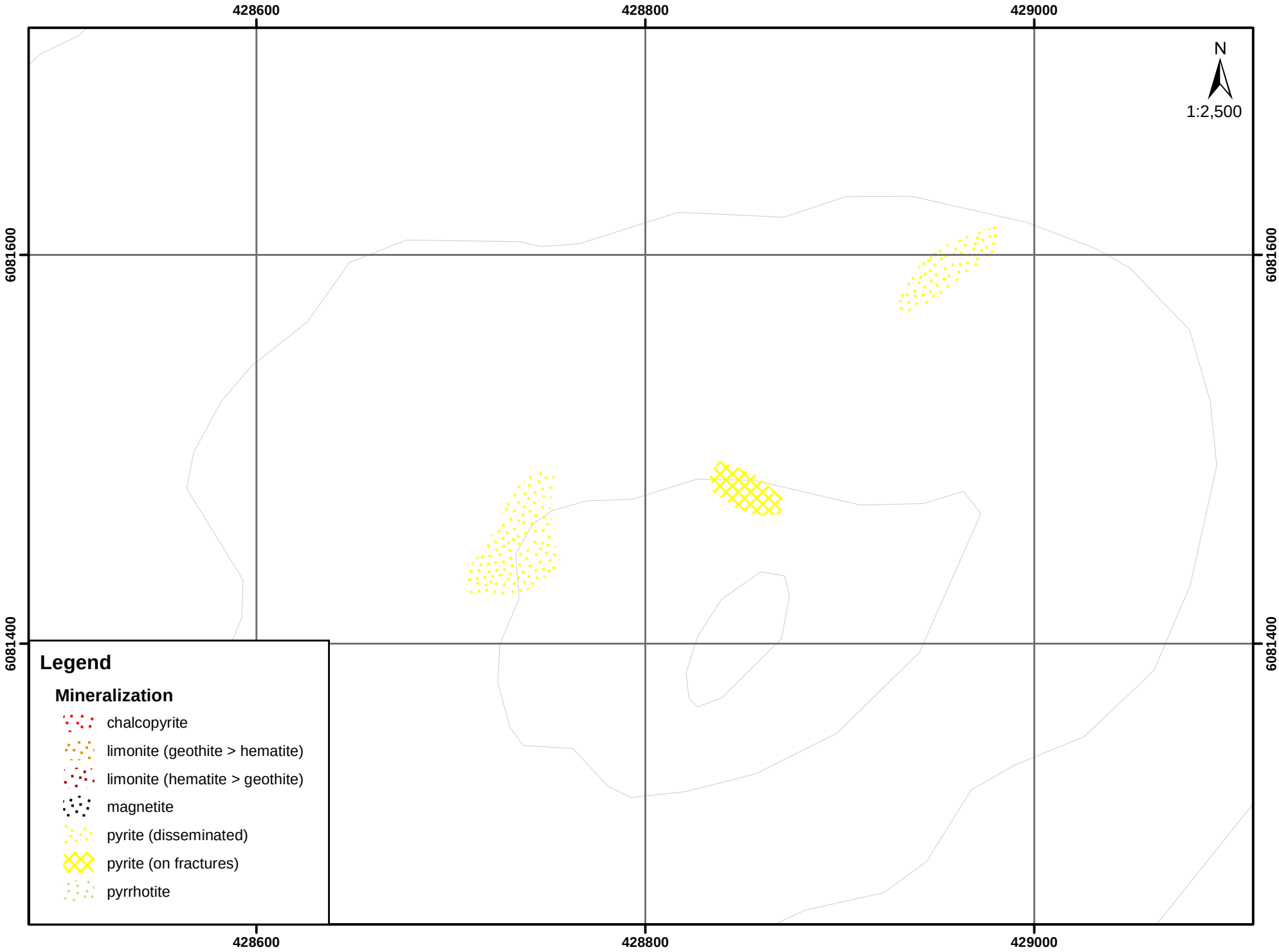
Cripple 2011 '2010 Mapped' Area - Lithology & Station ID



Cripple 2011 '2010 Mapped' Area - Alteration



Cripple 2011 '2010 Mapped' Area - Mineralization



Appendix 3: Whole Rock Geochemistry ACME Labs certificates

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

www.acmelab.com

Client: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Submitted By: Kevin Byrne
Receiving Lab: Canada-Vancouver
Received: July 29, 2011
Report Date: August 26, 2011
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN11003562.1

CLIENT JOB INFORMATION

Project: 204900
Shipment ID: CRP_003
P.O. Number
Number of Samples: 15

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT Store After 90 days Invoice for Storage

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-1000	14	Crush, split and pulverize 1kg rock to 200 mesh			VAN
4A4B	15	Whole Rock Analysis Majors and Trace Elements	0.2	Completed	VAN
1F06	15	1:1:1 Aqua Regia Digestion - ICP-MS Ultratrace finish	30	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Teck Resources Limited
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3
Canada

CC: Rupa Mukherjee
Randy Farmer

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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

Client: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: August 26, 2011

CERTIFICATE OF ANALYSIS VAN11003562.1

Method		WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
Analyte		Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Sc	LOI	Sum	Ba	Cs	Ga	Hf	Nb
Unit		kg	%	%	%	%	%	%	%	%	%	%	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm
MDL		0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	1	-5.1	0.01	1	0.1	0.5	0.1	0.1
1080527	Rock	2.83	55.11	18.19	7.11	2.24	8.89	3.55	1.56	0.62	0.34	0.16	<0.002	9	1.9	99.63	1535	0.4	18.7	2.5	3.2
1080528	Rock	1.62	52.57	16.71	9.12	4.60	6.53	3.43	2.89	0.74	0.50	0.18	0.008	20	2.3	99.53	1788	0.5	16.6	3.3	5.0
1080529	Rock	1.66	54.85	17.08	7.19	2.26	7.60	4.23	3.97	0.74	0.58	0.13	0.009	20	1.0	99.62	1488	0.6	17.0	3.1	4.6
1080530	Rock	2.73	55.46	16.25	7.56	3.34	6.86	4.23	2.84	0.80	0.35	0.14	0.006	17	1.8	99.61	1440	0.8	17.7	2.7	4.8
GS-1	Rock Pulp		60.81	12.30	5.46	2.31	6.12	1.11	2.43	0.71	0.10	0.09	0.010	11	8.4	99.81	502	3.1	14.9	4.4	15.9
1080531	Rock	2.07	55.68	18.32	7.10	2.58	4.95	5.62	2.41	0.89	0.28	0.17	0.002	12	1.7	99.66	1627	0.5	19.2	3.1	4.6
1080532	Rock	2.78	52.83	16.10	8.35	5.12	7.48	3.08	3.45	0.77	0.45	0.15	0.026	22	1.7	99.56	1748	0.8	16.5	3.4	5.7
1080533	Rock	2.23	53.19	16.65	8.66	3.71	6.92	3.27	4.40	0.73	0.50	0.16	0.008	20	1.4	99.56	1818	1.4	17.3	2.9	4.8
1080534	Rock	3.00	51.19	18.54	8.37	3.89	8.24	4.28	1.66	0.79	0.25	0.17	0.004	21	2.3	99.66	682	0.4	18.4	1.4	3.9
1080535	Rock	3.16	55.03	16.72	7.24	3.11	5.60	3.35	3.47	0.67	0.40	0.13	0.005	17	3.8	99.55	2226	2.2	16.5	3.1	4.9
1080536	Rock	3.01	53.71	16.65	7.77	3.76	7.23	4.56	2.36	1.07	0.33	0.17	0.004	20	2.0	99.59	1279	0.5	18.4	3.2	5.5
1080537	Rock	4.50	51.53	16.63	10.71	2.63	7.55	2.68	2.35	1.00	0.35	0.26	<0.002	17	4.1	99.74	914	1.1	18.9	2.7	7.5
1080538	Rock	1.73	51.71	16.51	9.02	5.55	5.52	3.60	3.16	0.80	0.45	0.16	0.025	22	3.1	99.61	1368	1.2	17.6	3.4	5.4
1080539	Rock	2.44	53.16	16.55	8.78	4.19	5.14	3.97	3.99	0.74	0.50	0.15	0.008	20	2.4	99.59	1661	1.8	16.2	3.1	4.8
1080541	Rock	1.86	52.42	17.02	8.88	4.00	6.05	3.68	4.09	0.75	0.52	0.16	0.008	20	2.0	99.57	1695	1.0	18.5	3.2	5.2

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: August 26, 2011

CERTIFICATE OF ANALYSIS VAN11003562.1

Method		4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
Analyte		Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02
1080527	Rock	35.7	<1	931.9	0.3	4.2	1.6	167	<0.5	85.9	20.4	16.9	34.3	4.43	20.0	4.14	1.28	4.05	0.62	3.81	0.76
1080528	Rock	72.0	2	814.6	0.5	5.6	3.2	235	0.6	107.9	20.1	16.8	33.2	4.36	18.1	3.95	1.11	3.91	0.62	3.22	0.72
1080529	Rock	77.2	1	758.4	0.3	5.9	3.3	231	1.3	105.4	19.5	16.7	34.0	4.51	20.2	4.23	1.13	4.01	0.63	3.61	0.73
1080530	Rock	61.0	1	866.3	0.4	2.9	1.8	208	3.4	93.3	22.0	13.6	26.2	3.56	15.8	3.63	1.15	3.83	0.65	3.70	0.80
GS-1	Rock Pulp	93.0	2	210.4	1.2	13.8	3.0	67	1.3	160.9	25.8	55.2	104.2	12.18	44.9	7.77	1.35	5.76	0.85	4.51	0.95
1080531	Rock	54.1	1	571.6	0.3	1.9	0.9	161	<0.5	109.5	26.3	10.6	24.5	3.31	16.3	4.05	1.21	4.30	0.74	4.62	0.95
1080532	Rock	75.0	2	705.1	0.3	5.2	2.8	234	0.5	115.1	19.7	15.3	31.5	4.16	17.4	4.04	1.07	3.99	0.63	3.74	0.77
1080533	Rock	93.0	1	780.6	0.3	5.6	2.4	231	0.7	101.8	19.7	16.5	33.8	4.34	18.2	4.15	1.04	3.86	0.62	3.25	0.64
1080534	Rock	36.9	<1	1187	0.2	0.7	0.4	240	<0.5	52.2	15.8	8.3	17.9	2.51	12.1	3.00	1.02	3.04	0.49	2.98	0.58
1080535	Rock	98.0	2	683.8	0.3	5.4	3.3	194	1.5	112.6	20.0	16.4	33.4	4.31	18.5	4.26	1.19	4.18	0.66	3.93	0.78
1080536	Rock	44.6	<1	1273	0.5	2.8	2.0	237	<0.5	112.1	25.5	12.9	28.9	3.98	16.5	4.09	1.42	4.41	0.79	4.50	0.90
1080537	Rock	80.6	1	527.2	0.6	2.9	1.5	230	1.7	98.4	22.7	15.4	30.5	4.02	17.6	3.87	1.26	4.13	0.68	4.04	0.81
1080538	Rock	75.3	<1	578.9	0.4	5.1	2.7	234	0.6	121.8	21.4	15.5	32.5	4.19	19.6	3.97	1.09	3.96	0.65	3.45	0.79
1080539	Rock	97.6	1	613.4	0.3	5.9	3.1	225	0.9	104.4	19.3	17.0	35.4	4.52	18.3	4.25	1.12	4.14	0.67	3.82	0.76
1080541	Rock	96.4	<1	815.8	0.4	6.0	3.2	221	2.0	108.0	19.5	17.4	34.9	4.53	18.5	4.06	1.24	4.06	0.64	3.58	0.72

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

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Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: August 26, 2011

CERTIFICATE OF ANALYSIS VAN11003562.1

Method		4A-4B	4A-4B	4A-4B	4A-4B	2A Leco	2A Leco	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		Er	Tm	Yb	Lu	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Cd	Sb	Bi
Unit		ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm
MDL		0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.2	0.01	0.02	0.02
1080527	Rock	2.02	0.32	2.25	0.33	0.05	0.06	0.10	7.93	0.69	28.6	7	2.4	6.8	360	1.52	0.3	6.0	0.03	0.02	<0.02
1080528	Rock	1.97	0.32	2.24	0.32	0.10	0.02	0.16	121.9	2.53	64.9	126	16.4	16.1	649	2.90	1.4	2.5	0.10	0.15	<0.02
1080529	Rock	2.09	0.33	2.18	0.34	0.09	<0.02	0.33	151.8	4.80	35.7	153	8.4	8.2	254	1.43	1.7	11.6	0.13	0.21	0.02
1080530	Rock	2.36	0.37	2.38	0.34	0.08	0.60	2.17	78.73	8.54	36.7	135	14.1	13.3	233	2.05	3.1	0.2	0.06	0.45	0.13
GS-1	Rock Pulp	2.39	0.40	2.51	0.37	2.07	0.04	0.70	21.27	9.06	53.4	34	27.0	12.4	429	2.71	4.4	<0.2	0.06	0.18	0.21
1080531	Rock	2.91	0.43	2.91	0.42	0.21	<0.02	0.19	28.52	2.77	57.4	35	3.0	6.7	699	2.54	0.8	1.4	0.10	0.09	0.03
1080532	Rock	2.14	0.34	2.26	0.31	0.07	<0.02	0.27	76.13	2.77	31.1	56	30.7	9.8	326	1.93	0.9	1.0	0.08	0.11	0.03
1080533	Rock	2.03	0.30	2.15	0.33	0.05	<0.02	0.49	109.3	3.38	40.3	34	11.6	11.7	421	2.21	0.6	1.5	0.08	0.17	<0.02
1080534	Rock	1.65	0.26	1.48	0.22	0.30	0.07	0.70	34.38	3.07	80.7	38	10.9	11.4	608	2.66	3.0	<0.2	0.21	0.10	0.02
1080535	Rock	2.37	0.40	2.33	0.41	0.40	0.14	1.61	131.6	11.36	68.3	117	12.0	12.9	546	3.75	2.3	2.1	0.18	0.38	0.10
1080536	Rock	2.62	0.42	2.83	0.41	0.08	0.06	0.89	37.57	3.34	35.1	38	5.4	5.6	383	1.92	0.8	1.3	0.31	0.39	0.11
1080537	Rock	2.38	0.36	2.26	0.36	0.46	1.59	1.84	24.43	2.51	48.4	81	2.9	12.4	1400	4.90	11.6	11.4	0.11	0.56	1.00
1080538	Rock	2.09	0.33	2.24	0.34	0.20	<0.02	0.80	53.80	4.89	65.6	39	48.6	15.6	680	3.40	5.2	0.7	0.08	0.15	0.03
1080539	Rock	2.14	0.39	2.54	0.40	0.12	<0.02	0.28	103.4	6.90	69.5	60	18.7	18.1	713	4.45	0.7	1.1	<0.01	0.20	<0.02
1080541	Rock	2.06	0.36	2.27	0.37	0.16	<0.02	1.12	142.6	12.99	73.4	77	17.4	17.1	741	4.33	1.0	17.8	0.05	0.35	<0.02

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
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CERTIFICATE OF ANALYSIS VAN11003562.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		P	Cr	B	Tl	Hg	Se	Te	Ge	In	Re	Be	Li	Pd	Pt
Unit		%	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.001	0.5	1	0.02	5	0.1	0.02	0.1	0.02	1	0.1	0.1	10	2
1080527	Rock	0.134	3.9	<1	<0.02	<5	<0.1	<0.02	<0.1	<0.02	3	0.3	5.1	<10	<2
1080528	Rock	0.196	34.0	<1	<0.02	<5	<0.1	0.03	<0.1	<0.02	<1	0.1	11.0	13	<2
1080529	Rock	0.210	20.6	<1	<0.02	<5	<0.1	<0.02	<0.1	<0.02	1	<0.1	3.1	16	<2
1080530	Rock	0.133	8.1	<1	<0.02	<5	1.1	0.07	<0.1	<0.02	2	<0.1	4.4	<10	<2
GS-1	Rock Pulp	0.041	21.7	<1	0.10	<5	0.2	<0.02	<0.1	<0.02	1	0.5	29.0	<10	<2
1080531	Rock	0.110	3.3	<1	<0.02	<5	0.2	<0.02	<0.1	<0.02	2	0.3	8.6	<10	<2
1080532	Rock	0.189	92.5	<1	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<1	0.3	9.0	11	<2
1080533	Rock	0.202	28.0	<1	0.02	<5	<0.1	<0.02	<0.1	<0.02	<1	<0.1	8.1	15	3
1080534	Rock	0.102	14.4	<1	<0.02	<5	0.1	<0.02	<0.1	<0.02	<1	<0.1	10.1	<10	<2
1080535	Rock	0.145	23.4	8	<0.02	38	0.3	<0.02	<0.1	0.06	3	0.4	15.0	<10	2
1080536	Rock	0.130	12.6	<1	<0.02	<5	0.2	<0.02	<0.1	0.04	3	0.1	6.1	<10	<2
1080537	Rock	0.129	2.3	2	0.02	6	0.6	0.55	0.1	0.13	1	0.1	13.7	<10	<2
1080538	Rock	0.175	131.4	1	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<1	0.3	13.4	<10	2
1080539	Rock	0.188	38.7	3	<0.02	12	0.2	<0.02	0.2	<0.02	<1	1.3	14.4	<10	2
1080541	Rock	0.166	34.6	4	<0.02	12	<0.1	<0.02	0.1	<0.02	<1	0.4	15.0	10	<2

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Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

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QUALITY CONTROL REPORT VAN11003562.1

	Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
	Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Sc	LOI	Sum	Ba	Cs	Ga	Hf	Nb
	Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	1	-5.1	0.01	1	0.1	0.5	0.1	0.1
1080538	Rock	1.73	51.71	16.51	9.02	5.55	5.52	3.60	3.16	0.80	0.45	0.16	0.025	22	3.1	99.61	1368	1.2	17.6	3.4	5.4
Pulp Duplicates																					
REP 1080528	QC																				
1080532	Rock	2.78	52.83	16.10	8.35	5.12	7.48	3.08	3.45	0.77	0.45	0.15	0.026	22	1.7	99.56	1748	0.8	16.5	3.4	5.7
REP 1080532	QC		52.56	16.10	8.45	5.10	7.70	3.04	3.45	0.77	0.47	0.15	0.026	22	1.7	99.56	1790	0.8	17.4	3.1	5.7
1080535	Rock	3.16	55.03	16.72	7.24	3.11	5.60	3.35	3.47	0.67	0.40	0.13	0.005	17	3.8	99.55	2226	2.2	16.5	3.1	4.9
REP 1080535	QC		54.51	16.95	7.33	3.18	5.66	3.36	3.54	0.68	0.40	0.13	0.005	17	3.8	99.55	2168	1.9	17.3	3.2	5.2
1080536	Rock	3.01	53.71	16.65	7.77	3.76	7.23	4.56	2.36	1.07	0.33	0.17	0.004	20	2.0	99.59	1279	0.5	18.4	3.2	5.5
REP 1080536	QC																				
Core Reject Duplicates																					
1080528	Rock	1.62	52.57	16.71	9.12	4.60	6.53	3.43	2.89	0.74	0.50	0.18	0.008	20	2.3	99.53	1788	0.5	16.6	3.3	5.0
DUP 1080528	QC		52.79	16.66	8.98	4.62	6.50	3.42	2.86	0.75	0.52	0.18	0.008	20	2.3	99.53	1862	0.6	16.8	3.0	4.9
Reference Materials																					
STD CSC	Standard																				
STD CSC	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD OREAS76A	Standard																				
STD OREAS76A	Standard																				
STD SO-18	Standard		58.18	14.11	7.59	3.35	6.34	3.66	2.14	0.69	0.83	0.39	0.543	24	1.9	99.73	529	7.1	17.6	9.6	20.9
STD SO-18	Standard		58.11	14.08	7.61	3.36	6.32	3.72	2.16	0.69	0.85	0.39	0.545	24	1.9	99.73	520	6.9	17.9	9.6	20.8
STD SO-18	Standard		58.22	14.16	7.50	3.35	6.35	3.69	2.13	0.69	0.82	0.39	0.542	24	1.9	99.74	497	6.7	17.2	9.3	20.8
STD SO-18	Standard		58.10	14.17	7.56	3.35	6.36	3.69	2.16	0.68	0.82	0.39	0.544	23	1.9	99.74	498	6.7	16.9	8.9	20.0
STD CSC Expected																					
STD OREAS76A Expected																					
STD DS8 Expected																					
STD SO-18 Expected			58.47	14.23	7.67	3.35	6.42	3.71	2.17	0.69	0.83	0.39	0.55	25			514	7.1	17.6	9.8	21.3
BLK	Blank																				
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QUALITY CONTROL REPORT VAN11003562.1

	Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
	Analyte	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02
1080538	Rock	75.3	<1	578.9	0.4	5.1	2.7	234	0.6	121.8	21.4	15.5	32.5	4.19	19.6	3.97	1.09	3.96	0.65	3.45	0.79
Pulp Duplicates																					
REP 1080528	QC																				
1080532	Rock	75.0	2	705.1	0.3	5.2	2.8	234	0.5	115.1	19.7	15.3	31.5	4.16	17.4	4.04	1.07	3.99	0.63	3.74	0.77
REP 1080532	QC	76.5	1	726.1	0.3	5.3	3.0	226	<0.5	116.8	20.7	16.1	32.2	4.12	17.5	4.12	1.00	3.91	0.62	3.80	0.72
1080535	Rock	98.0	2	683.8	0.3	5.4	3.3	194	1.5	112.6	20.0	16.4	33.4	4.31	18.5	4.26	1.19	4.18	0.66	3.93	0.78
REP 1080535	QC	96.4	<1	679.1	0.3	5.6	3.1	198	1.2	110.6	19.9	16.2	33.5	4.19	18.9	3.87	1.15	3.83	0.63	3.67	0.79
1080536	Rock	44.6	<1	1273	0.5	2.8	2.0	237	<0.5	112.1	25.5	12.9	28.9	3.98	16.5	4.09	1.42	4.41	0.79	4.50	0.90
REP 1080536	QC																				
Core Reject Duplicates																					
1080528	Rock	72.0	2	814.6	0.5	5.6	3.2	235	0.6	107.9	20.1	16.8	33.2	4.36	18.1	3.95	1.11	3.91	0.62	3.22	0.72
DUP 1080528	QC	70.8	<1	787.6	0.4	6.0	3.0	245	1.2	107.5	19.5	17.7	34.5	4.43	19.2	4.28	1.09	3.69	0.62	3.69	0.80
Reference Materials																					
STD CSC	Standard																				
STD CSC	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD OREAS76A	Standard																				
STD OREAS76A	Standard																				
STD SO-18	Standard	28.9	16	414.1	7.3	10.1	15.9	204	14.2	292.2	32.1	12.2	26.6	3.38	13.8	3.04	0.88	2.92	0.51	3.07	0.59
STD SO-18	Standard	29.3	15	415.4	7.7	10.1	16.0	200	14.9	288.1	31.8	12.0	26.3	3.35	14.3	2.96	0.92	2.99	0.51	3.07	0.63
STD SO-18	Standard	28.0	14	399.8	7.1	10.3	16.4	204	14.4	281.7	31.7	12.3	26.5	3.35	13.6	2.90	0.86	2.85	0.50	2.97	0.61
STD SO-18	Standard	27.8	14	393.8	6.9	10.3	16.4	201	13.8	277.9	31.2	12.4	26.9	3.34	13.4	2.86	0.92	2.96	0.50	3.09	0.62
STD CSC Expected																					
STD OREAS76A Expected																					
STD DS8 Expected																					
STD SO-18 Expected		28.7	15	407.4	7.4	9.9	16.4	200	14.8	280	31	12.3	27.1	3.45	14	3	0.89	2.93	0.53	3	0.62
BLK	Blank																				
BLK	Blank																				

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

Client: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: August 26, 2011

QUALITY CONTROL REPORT VAN11003562.1

	Method	4A-4B	4A-4B	4A-4B	4A-4B	2A Leco	2A Leco	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Er	Tm	Yb	Lu	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Cd	Sb	Bi
	Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm
	MDL	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.2	0.01	0.02	0.02
1080538	Rock	2.09	0.33	2.24	0.34	0.20	<0.02	0.80	53.80	4.89	65.6	39	48.6	15.6	680	3.40	5.2	0.7	0.08	0.15	0.03
Pulp Duplicates																					
REP 1080528	QC							0.17	120.0	2.50	63.8	134	16.7	16.1	658	2.91	1.6	1.0	0.11	0.15	<0.02
1080532	Rock	2.14	0.34	2.26	0.31	0.07	<0.02	0.27	76.13	2.77	31.1	56	30.7	9.8	326	1.93	0.9	1.0	0.08	0.11	0.03
REP 1080532	QC	2.16	0.35	1.94	0.33	0.06	<0.02														
1080535	Rock	2.37	0.40	2.33	0.41	0.40	0.14	1.61	131.6	11.36	68.3	117	12.0	12.9	546	3.75	2.3	2.1	0.18	0.38	0.10
REP 1080535	QC	2.17	0.34	2.18	0.34																
1080536	Rock	2.62	0.42	2.83	0.41	0.08	0.06	0.89	37.57	3.34	35.1	38	5.4	5.6	383	1.92	0.8	1.3	0.31	0.39	0.11
REP 1080536	QC							0.96	34.74	2.30	33.0	38	6.0	5.7	389	1.92	0.4	1.4	0.17	0.26	0.08
Core Reject Duplicates																					
1080528	Rock	1.97	0.32	2.24	0.32	0.10	0.02	0.16	121.9	2.53	64.9	126	16.4	16.1	649	2.90	1.4	2.5	0.10	0.15	<0.02
DUP 1080528	QC	2.07	0.32	2.00	0.31	0.10	0.02	0.20	124.4	2.60	69.5	125	16.5	16.3	667	2.98	1.6	1.5	0.11	0.27	<0.02
Reference Materials																					
STD CSC	Standard					3.19	4.26														
STD CSC	Standard					3.19	4.15														
STD DS8	Standard							11.11	99.49	113.1	288.2	1667	34.1	6.9	545	2.21	22.8	103.3	2.17	4.98	5.92
STD DS8	Standard							12.95	109.7	118.1	313.8	1597	38.4	7.6	613	2.46	25.2	102.8	2.33	5.56	7.00
STD OREAS76A	Standard					0.17	17.60														
STD OREAS76A	Standard					0.16	17.44														
STD SO-18	Standard	1.92	0.29	1.73	0.28																
STD SO-18	Standard	1.86	0.27	1.81	0.27																
STD SO-18	Standard	1.82	0.28	1.77	0.26																
STD SO-18	Standard	1.85	0.28	1.80	0.25																
STD CSC Expected						2.94	4.25														
STD OREAS76A Expected						0.16	18														
STD DS8 Expected								13.44	110	123	312	1690	38.1	7.5	615	2.46	26	107	2.38	5.7	6.67
STD SO-18 Expected		1.84	0.27	1.79	0.27																
BLK	Blank					<0.02	<0.02														
BLK	Blank							<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.2	<0.01	<0.02	<0.02

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

Client: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: August 26, 2011

QUALITY CONTROL REPORT VAN11003562.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	Cr	B	Tl	Hg	Se	Te	Ge	In	Re	Be	Li	Pd	Pt
	Unit	%	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.001	0.5	1	0.02	5	0.1	0.02	0.1	0.02	1	0.1	0.1	10	2
1080538	Rock	0.175	131.4	1	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<1	0.3	13.4	<10	2
Pulp Duplicates															
REP 1080528	QC	0.197	34.5	<1	<0.02	<5	<0.1	<0.02	<0.1	<0.02	2	0.3	11.5	15	<2
1080532	Rock	0.189	92.5	<1	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<1	0.3	9.0	11	<2
REP 1080532	QC														
1080535	Rock	0.145	23.4	8	<0.02	38	0.3	<0.02	<0.1	0.06	3	0.4	15.0	<10	2
REP 1080535	QC														
1080536	Rock	0.130	12.6	<1	<0.02	<5	0.2	<0.02	<0.1	0.04	3	0.1	6.1	<10	<2
REP 1080536	QC	0.129	12.8	2	<0.02	<5	0.2	<0.02	<0.1	0.02	1	<0.1	6.3	<10	<2
Core Reject Duplicates															
1080528	Rock	0.196	34.0	<1	<0.02	<5	<0.1	0.03	<0.1	<0.02	<1	0.1	11.0	13	<2
DUP 1080528	QC	0.204	36.0	<1	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<1	0.7	12.1	15	<2
Reference Materials															
STD CSC	Standard														
STD CSC	Standard														
STD DS8	Standard	0.071	107.9	1	5.07	197	5.1	4.36	<0.1	2.02	51	4.8	23.7	113	338
STD DS8	Standard	0.075	117.0	2	5.49	180	5.0	5.39	<0.1	2.39	41	5.8	24.8	109	330
STD OREAS76A	Standard														
STD OREAS76A	Standard														
STD SO-18	Standard														
STD SO-18	Standard														
STD SO-18	Standard														
STD SO-18	Standard														
STD CSC Expected															
STD OREAS76A Expected															
STD DS8 Expected		0.08	115	2.6	5.4	192	5.23	5	0.13	2.19	55	5.2	26.34	110	339
STD SO-18 Expected															
BLK	Blank														
BLK	Blank	<0.001	<0.5	<1	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<1	<0.1	<0.1	<10	<2

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QUALITY CONTROL REPORT VAN11003562.1

		WGHT Wgt kg 0.01	4A-4B SiO2 % 0.01	4A-4B Al2O3 % 0.01	4A-4B Fe2O3 % 0.04	4A-4B MgO % 0.01	4A-4B CaO % 0.01	4A-4B Na2O % 0.01	4A-4B K2O % 0.01	4A-4B TiO2 % 0.01	4A-4B P2O5 % 0.01	4A-4B MnO % 0.01	4A-4B Cr2O3 % 0.002	4A-4B Sc ppm 1	4A-4B LOI % -5.1	4A-4B Sum % 0.01	4A-4B Ba ppm 1	4A-4B Cs ppm 0.1	4A-4B Ga ppm 0.5	4A-4B Hf ppm 0.1	4A-4B Nb ppm 0.1
BLK	Blank																				
BLK	Blank																				
BLK	Blank		<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<1	0.0	<0.01	<1	<0.1	<0.5	<0.1	<0.1
BLK	Blank		<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<1	0.0	<0.01	<1	<0.1	<0.5	<0.1	<0.1
Prep Wash																					
G1	Prep Blank	<0.01	66.71	16.02	3.56	1.04	3.63	3.66	3.78	0.40	0.19	0.10	<0.002	5	0.6	99.70	1201	3.6	18.9	4.6	23.6
G1	Prep Blank	<0.01	66.45	16.19	3.45	1.05	3.59	3.69	3.90	0.40	0.18	0.10	<0.002	5	0.7	99.70	1267	3.7	19.6	4.4	23.7

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QUALITY CONTROL REPORT VAN11003562.1

		4A-4B Rb ppm 0.1	4A-4B Sn ppm 1	4A-4B Sr ppm 0.5	4A-4B Ta ppm 0.1	4A-4B Th ppm 0.2	4A-4B U ppm 0.1	4A-4B V ppm 8	4A-4B W ppm 0.5	4A-4B Zr ppm 0.1	4A-4B Y ppm 0.1	4A-4B La ppm 0.1	4A-4B Ce ppm 0.1	4A-4B Pr ppm 0.02	4A-4B Nd ppm 0.3	4A-4B Sm ppm 0.05	4A-4B Eu ppm 0.02	4A-4B Gd ppm 0.05	4A-4B Tb ppm 0.01	4A-4B Dy ppm 0.05	4A-4B Ho ppm 0.02
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
BLK	Blank	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
Prep Wash																					
G1	Prep Blank	126.5	2	829.6	1.5	9.0	3.5	56	<0.5	171.1	16.6	31.5	61.6	7.04	28.4	4.50	1.15	3.62	0.54	3.01	0.60
G1	Prep Blank	130.1	2	837.0	1.6	9.6	3.6	54	<0.5	142.2	16.4	33.3	63.8	7.42	30.6	4.54	1.23	3.81	0.53	2.85	0.65

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		4A-4B Er	4A-4B Tm	4A-4B Yb	4A-4B Lu	2A Leco TOT/C	2A Leco TOT/S	1F30 Mo	1F30 Cu	1F30 Pb	1F30 Zn	1F30 Ag	1F30 Ni	1F30 Co	1F30 Mn	1F30 Fe	1F30 As	1F30 Au	1F30 Cd	1F30 Sb	1F30 Bi
		ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm
		0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.2	0.01	0.02	0.02
BLK	Blank					<0.02	<0.02														
BLK	Blank							<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.2	<0.01	<0.02	<0.02
BLK	Blank	<0.03	<0.01	<0.05	<0.01																
BLK	Blank	<0.03	<0.01	<0.05	<0.01																
Prep Wash																					
G1	Prep Blank	1.54	0.28	1.80	0.28	0.04	<0.02	0.10	1.85	2.56	39.2	13	1.7	3.1	465	1.78	<0.1	0.6	0.02	0.03	0.04
G1	Prep Blank	1.75	0.26	1.70	0.28	0.04	<0.02	0.09	1.83	2.18	40.2	13	1.6	3.3	468	1.77	<0.1	9.4	<0.01	0.10	0.03

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		1F30 P % 0.001	1F30 Cr ppm 0.5	1F30 B ppm 1	1F30 Tl ppm 0.02	1F30 Hg ppb 5	1F30 Se ppm 0.1	1F30 Te ppm 0.02	1F30 Ge ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2
BLK	Blank														
BLK	Blank	<0.001	<0.5	<1	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank														
BLK	Blank														
Prep Wash															
G1	Prep Blank	0.063	4.0	1	0.28	<5	<0.1	<0.02	<0.1	<0.02	<1	0.4	25.0	<10	<2
G1	Prep Blank	0.068	4.0	<1	0.29	<5	<0.1	<0.02	<0.1	<0.02	<1	0.2	26.1	<10	<2

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Client: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Submitted By: Kevin Byrne
Receiving Lab: Canada-Vancouver
Received: August 15, 2011
Report Date: September 14, 2011
Page: 1 of 3

CERTIFICATE OF ANALYSIS VAN11003924.1

CLIENT JOB INFORMATION

Project: 204900
Shipment ID: CRP_006
P.O. Number
Number of Samples: 35

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT Store After 90 days Invoice for Storage

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-1000	33	Crush, split and pulverize 1kg rock to 200 mesh			VAN
4A4B	35	Whole Rock Analysis Majors and Trace Elements	0.2	Completed	VAN
1F06	35	1:1:1 Aqua Regia Digestion - ICP-MS Ultratrace finish	30	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Teck Resources Limited
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3
Canada

CC: Rupa Mukherjee
Randy Farmer

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: September 14, 2011

CERTIFICATE OF ANALYSIS VAN11003924.1

Method		WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
Analyte		Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Sc	LOI	Sum	Ba	Cs	Ga	Hf	Nb
Unit		kg	%	%	%	%	%	%	%	%	%	%	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm
MDL		0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	1	-5.1	0.01	1	0.1	0.5	0.1	0.1
1079512	Rock	2.32	63.19	14.44	6.06	2.97	4.32	3.34	2.37	0.63	0.29	0.12	0.006	14	1.8	99.58	2232	1.1	17.2	2.6	5.8
1079513	Rock	2.47	57.28	14.30	6.97	3.06	8.98	2.82	1.59	0.78	0.17	0.09	0.006	20	3.8	99.82	444	2.1	15.2	3.2	4.9
1079514	Rock	5.03	40.09	10.61	20.80	4.03	10.80	2.60	0.29	0.41	0.37	0.15	0.008	8	9.5	99.68	126	0.2	12.8	1.6	3.3
1079515	Rock	2.63	59.84	15.67	7.02	4.40	1.36	3.56	2.83	0.85	0.20	0.06	0.013	25	3.8	99.58	2495	0.8	17.5	4.0	3.6
1079516	Rock	2.59	48.56	16.66	11.10	3.43	10.85	2.44	3.13	0.88	0.35	0.17	0.006	24	2.0	99.59	1010	0.6	23.7	2.5	4.7
1079517	Rock	3.43	49.20	14.32	10.30	6.80	9.72	3.25	1.68	0.79	0.29	0.14	0.024	32	3.1	99.66	814	0.6	16.1	1.4	3.2
1079518	Rock	3.56	51.35	17.84	9.98	3.19	6.27	3.91	2.75	0.84	0.51	0.18	0.002	13	2.8	99.57	1395	1.0	19.3	2.0	3.7
GS-1	Rock Pulp		60.68	12.40	5.50	2.33	6.09	1.11	2.43	0.71	0.10	0.09	0.009	11	8.4	99.83	474	2.8	14.6	4.5	13.7
1080003	Rock	2.14	53.95	17.01	8.23	2.70	7.30	4.21	3.72	0.75	0.51	0.15	0.007	21	1.1	99.61	1598	0.9	16.7	2.8	5.3
1080004	Rock	1.80	52.82	17.14	8.91	3.71	6.30	4.50	3.06	0.77	0.48	0.12	0.008	22	1.8	99.62	1494	1.6	17.4	2.9	4.7
1080005	Rock	2.44	53.75	16.82	7.75	3.09	7.07	3.33	4.89	0.73	0.53	0.14	0.008	21	1.4	99.49	2677	0.8	16.5	3.1	4.8
1080006	Rock	2.60	53.26	17.01	8.27	2.99	8.22	3.90	3.38	0.75	0.52	0.13	0.008	20	1.2	99.65	1342	1.0	17.2	3.0	4.6
1080007	Rock	3.63	54.29	16.36	7.91	3.04	6.72	2.76	6.10	0.69	0.49	0.13	0.007	19	1.0	99.48	2990	1.4	15.1	2.8	4.7
1080008	Rock	5.93	52.31	16.35	8.33	3.28	9.36	3.59	3.33	0.71	0.46	0.16	0.009	20	1.7	99.61	1397	1.1	17.0	2.4	4.2
1080009	Rock	2.22	53.12	16.99	7.66	2.68	7.22	3.83	4.54	0.74	0.51	0.13	0.008	20	2.2	99.63	1795	0.7	16.4	2.7	4.7
1080010	Rock	2.89	53.37	16.38	8.93	3.85	5.34	3.74	4.78	0.75	0.50	0.14	0.010	20	1.8	99.61	1638	2.2	16.3	3.0	4.7
1080011	Rock	2.66	53.48	16.53	8.75	3.61	6.71	3.38	4.58	0.75	0.49	0.13	0.009	21	1.2	99.61	1706	1.5	16.2	2.7	4.7
1080012	Rock	1.98	54.84	16.13	8.28	3.92	5.37	4.36	3.87	0.72	0.35	0.17	0.007	19	1.6	99.59	1971	1.3	16.5	2.4	6.8
1080013	Rock	2.32	53.73	19.78	5.76	2.09	8.15	3.76	3.44	0.71	0.52	0.11	0.006	12	1.6	99.64	1493	1.0	19.6	3.5	5.9
1080014	Rock	2.13	58.49	17.99	5.94	1.31	3.98	4.15	5.25	0.69	0.33	0.11	<0.002	16	1.4	99.64	1941	1.1	16.0	4.1	6.4
1080015	Rock	2.02	54.02	19.62	5.84	1.95	7.27	4.04	4.16	0.71	0.53	0.10	0.008	12	1.4	99.65	1578	0.7	19.5	3.1	6.3
1080016	Rock	2.97	53.14	19.51	6.70	2.37	7.19	4.38	2.56	0.72	0.48	0.18	0.006	12	2.4	99.65	1091	1.5	19.6	3.0	6.0
1080017	Rock	2.40	53.28	16.51	8.46	3.79	5.19	4.28	4.60	0.72	0.50	0.14	0.014	20	2.0	99.53	2228	3.5	16.4	2.6	4.1
1080018	Rock	2.68	52.90	19.79	6.31	2.35	7.32	3.87	3.65	0.73	0.54	0.10	0.007	12	2.1	99.66	1315	0.9	18.5	3.2	6.4
GS-1	Rock Pulp		60.77	12.37	5.51	2.34	6.21	1.11	2.42	0.71	0.11	0.09	0.009	11	8.2	99.83	459	2.6	14.9	4.4	13.9
1080540	Rock	4.12	51.60	16.65	9.44	4.56	7.52	3.13	3.60	0.82	0.45	0.20	0.009	24	1.7	99.70	891	1.7	17.5	2.1	6.5
1080542	Rock	1.54	79.63	3.10	12.28	0.92	1.59	0.09	0.64	0.16	0.06	0.06	0.003	8	1.2	99.72	89	2.4	5.8	0.2	0.4
1080543	Rock	2.08	63.88	16.35	5.19	0.28	2.10	1.60	8.65	0.26	0.04	0.08	<0.002	4	1.2	99.66	1394	1.8	24.5	16.5	40.5
1080544	Rock	2.17	48.18	15.62	16.03	5.44	4.42	1.50	3.80	0.79	0.43	0.21	0.012	27	2.8	99.21	508	22.5	16.1	2.5	5.0
1080545	Rock	3.18	49.22	15.92	12.88	5.43	7.05	2.44	2.28	0.79	0.44	0.33	0.015	28	2.8	99.60	696	6.0	17.3	2.4	5.4

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: September 14, 2011

CERTIFICATE OF ANALYSIS VAN11003924.1

Method		4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
Analyte		Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02
1079512	Rock	50.9	1	685.8	0.4	3.5	2.5	201	<0.5	96.0	20.2	16.1	32.0	4.21	18.2	3.94	0.98	3.93	0.63	3.49	0.76
1079513	Rock	43.0	1	277.0	0.4	2.5	1.6	169	<0.5	101.7	23.1	13.4	27.7	3.77	15.0	3.87	1.03	3.87	0.66	4.15	0.84
1079514	Rock	5.2	1	330.7	0.3	3.9	3.5	311	0.7	66.7	19.3	6.7	11.7	2.13	10.6	2.39	0.80	2.55	0.45	2.91	0.57
1079515	Rock	52.2	1	221.7	0.3	2.3	1.1	194	1.2	131.0	27.8	11.4	26.8	3.79	15.8	4.36	1.07	4.75	0.84	4.74	1.11
1079516	Rock	50.8	1	1427	0.3	2.3	1.4	285	2.2	78.4	19.2	12.1	24.4	3.23	12.8	3.39	1.14	3.37	0.61	3.31	0.75
1079517	Rock	38.0	<1	636.9	0.3	1.5	0.7	302	0.5	49.1	15.1	7.3	16.1	2.24	11.5	2.85	0.81	2.88	0.50	2.89	0.57
1079518	Rock	61.5	<1	1308	0.2	3.0	1.6	238	<0.5	76.5	21.3	16.8	35.1	4.90	21.1	4.48	1.47	4.52	0.69	4.25	0.78
GS-1	Rock Pulp	84.3	3	204.2	1.2	14.1	2.9	63	1.1	165.2	25.9	52.5	106.3	12.90	46.8	8.90	1.56	5.87	0.87	4.88	0.97
1080003	Rock	75.7	1	752.8	0.3	5.8	3.1	227	0.7	103.9	18.4	16.1	34.0	4.37	18.2	3.93	1.11	3.65	0.60	3.40	0.68
1080004	Rock	92.3	1	710.4	0.3	5.7	2.7	238	0.9	106.5	18.8	15.5	32.8	4.35	18.1	4.17	1.05	3.92	0.60	3.55	0.67
1080005	Rock	86.3	1	791.5	0.3	5.7	2.9	232	0.9	103.2	19.7	16.4	34.9	4.53	19.8	3.97	1.10	3.74	0.60	3.53	0.74
1080006	Rock	76.0	1	781.3	0.3	5.5	2.8	227	0.6	102.8	18.9	14.9	31.2	4.25	17.5	3.88	1.04	3.44	0.60	3.26	0.70
1080007	Rock	97.1	1	622.5	0.4	5.1	3.0	223	<0.5	98.3	18.0	15.5	32.6	4.18	17.2	3.78	1.08	3.76	0.58	3.52	0.68
1080008	Rock	76.1	1	984.5	0.3	5.2	3.3	241	0.8	99.4	16.4	15.0	32.5	4.09	17.0	3.52	0.97	3.25	0.53	3.31	0.60
1080009	Rock	88.4	1	627.2	0.3	5.4	2.7	216	1.0	98.8	17.5	16.4	33.4	4.32	17.5	3.84	1.07	3.63	0.58	3.38	0.67
1080010	Rock	102.1	1	606.8	0.3	5.2	2.8	251	0.7	100.1	17.1	15.4	32.3	4.07	16.2	3.83	1.08	3.42	0.57	3.41	0.67
1080011	Rock	97.3	1	598.6	0.3	5.3	2.9	225	<0.5	98.0	16.9	13.8	30.2	3.97	17.3	3.77	1.00	3.24	0.55	3.12	0.63
1080012	Rock	81.1	1	521.4	0.4	3.4	1.7	242	0.7	83.0	16.1	11.9	24.5	3.14	14.2	3.06	0.94	2.97	0.51	2.90	0.62
1080013	Rock	75.5	1	917.5	0.4	5.8	3.1	171	0.7	125.1	18.8	17.3	34.7	4.42	18.5	3.70	1.11	3.41	0.57	3.34	0.70
1080014	Rock	89.1	1	604.2	0.4	6.3	3.3	171	1.1	137.3	21.5	15.9	31.7	4.17	17.2	3.78	1.04	3.72	0.64	4.12	0.78
1080015	Rock	88.0	1	823.9	0.4	5.8	3.3	177	1.2	126.2	18.2	16.8	34.5	4.48	17.5	3.85	1.11	3.52	0.59	3.32	0.67
1080016	Rock	86.6	<1	1025	0.5	5.8	2.8	174	1.2	124.0	17.8	15.8	32.6	4.23	17.7	3.97	1.09	3.50	0.57	3.30	0.67
1080017	Rock	114.7	<1	755.2	0.3	5.2	2.9	218	0.6	99.3	17.7	16.8	33.9	4.33	18.3	4.22	1.14	3.74	0.59	3.65	0.68
1080018	Rock	79.4	<1	900.4	0.4	4.8	2.5	174	0.8	122.8	18.1	16.5	34.9	4.23	19.3	3.93	1.11	3.38	0.56	3.27	0.65
GS-1	Rock Pulp	86.2	2	198.3	1.2	13.6	3.0	62	0.9	152.6	27.2	53.0	104.8	12.22	46.5	7.65	1.38	5.58	0.86	5.30	1.07
1080540	Rock	105.2	2	565.3	0.3	3.3	1.5	262	0.7	77.7	17.8	11.0	21.6	2.88	12.8	2.93	0.86	3.07	0.53	3.40	0.65
1080542	Rock	51.3	4	134.5	<0.1	<0.2	0.2	156	19.5	7.5	2.7	1.5	2.4	0.35	2.3	0.39	0.33	0.41	0.07	0.32	0.08
1080543	Rock	315.1	5	425.2	2.4	22.4	11.3	<8	0.9	656.5	37.8	26.5	54.3	6.25	24.7	4.85	0.11	4.32	0.86	6.19	1.23
1080544	Rock	254.1	2	446.2	0.3	2.5	1.6	261	2.1	71.3	17.9	9.4	18.7	2.43	10.4	2.63	0.73	2.78	0.52	3.23	0.52
1080545	Rock	117.2	1	602.7	0.3	4.2	1.5	274	2.5	82.8	18.6	10.2	20.4	2.64	12.9	2.98	0.82	2.86	0.50	3.37	0.60

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: September 14, 2011

CERTIFICATE OF ANALYSIS VAN11003924.1

	Method	4A-4B	4A-4B	4A-4B	4A-4B	2A Leco	2A Leco	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Er	Tm	Yb	Lu	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Cd	Sb	Bi
	Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm
	MDL	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.2	0.01	0.02	0.02
1079512	Rock	2.07	0.33	2.27	0.31	0.06	0.29	5.85	60.78	2.56	42.3	124	27.2	10.9	372	2.72	5.8	0.5	0.11	0.34	0.18
1079513	Rock	2.41	0.38	2.59	0.36	0.89	0.53	2.15	57.96	3.79	60.1	131	16.3	13.1	460	3.43	4.3	1.0	0.11	0.57	0.10
1079514	Rock	1.70	0.31	2.06	0.28	0.20	8.40	66.96	1074	4.94	29.8	2416	556.7	62.2	296	12.44	16.6	144.0	0.25	0.81	1.10
1079515	Rock	3.03	0.52	3.46	0.48	0.09	0.33	0.45	55.86	2.07	37.6	123	39.3	15.5	465	4.38	10.4	2.0	0.08	4.52	0.06
1079516	Rock	2.21	0.32	2.02	0.30	0.07	0.19	1.03	139.7	2.32	27.3	475	10.1	10.9	459	3.20	2.2	4.6	0.06	0.54	0.07
1079517	Rock	1.55	0.24	1.57	0.24	0.07	1.28	1.59	103.5	2.39	31.3	81	30.1	24.1	327	4.43	17.0	4.8	0.06	0.37	0.07
1079518	Rock	2.19	0.35	2.37	0.33	0.20	0.10	1.24	86.62	2.55	80.3	84	8.9	21.4	1163	5.52	1.5	<0.2	0.15	0.20	0.08
GS-1	Rock Pulp	2.74	0.44	2.88	0.37	2.04	0.04	0.65	21.07	8.99	51.9	31	26.7	12.0	436	2.82	4.1	<0.2	0.05	0.19	0.21
1080003	Rock	1.95	0.31	2.25	0.30	0.05	<0.02	0.37	192.3	6.59	52.5	111	15.3	15.8	443	2.49	2.6	1.0	0.11	0.32	<0.02
1080004	Rock	1.86	0.31	1.96	0.29	0.07	<0.02	0.85	86.53	2.36	53.8	59	17.3	13.1	405	3.05	3.2	4.0	0.08	0.19	<0.02
1080005	Rock	2.07	0.32	2.10	0.31	0.07	0.02	0.38	132.9	3.11	37.2	82	14.5	13.8	388	2.24	4.2	0.7	0.12	0.26	0.02
1080006	Rock	1.91	0.32	2.14	0.31	0.10	<0.02	0.61	80.42	3.90	36.2	21	12.7	8.8	309	2.24	2.5	<0.2	0.11	0.23	<0.02
1080007	Rock	1.82	0.30	2.09	0.29	0.02	<0.02	0.45	143.3	7.01	40.8	67	12.7	12.0	394	2.30	1.0	<0.2	0.09	0.16	<0.02
1080008	Rock	1.88	0.28	1.76	0.28	0.11	0.07	0.83	66.18	6.04	33.6	77	10.6	8.9	385	2.40	1.3	<0.2	0.10	0.43	<0.02
1080009	Rock	1.86	0.30	1.92	0.30	0.12	0.28	2.03	57.29	8.93	31.4	64	6.1	5.9	316	2.94	1.1	<0.2	0.07	0.18	<0.02
1080010	Rock	1.82	0.29	1.92	0.30	0.11	<0.02	0.57	123.2	5.69	59.2	49	16.7	15.2	555	3.49	0.5	<0.2	0.07	0.19	<0.02
1080011	Rock	1.91	0.29	2.01	0.31	0.11	<0.02	1.65	123.4	4.85	49.4	91	14.3	10.9	376	2.81	1.5	<0.2	0.10	0.21	<0.02
1080012	Rock	1.67	0.26	1.90	0.27	0.13	<0.02	1.88	61.13	4.03	64.9	51	9.7	12.2	614	2.88	4.1	<0.2	0.23	0.18	0.03
1080013	Rock	1.97	0.31	1.91	0.29	0.11	<0.02	0.95	99.94	6.90	46.7	74	16.7	7.8	414	1.87	6.1	0.4	0.09	0.26	<0.02
1080014	Rock	2.30	0.36	2.48	0.39	0.12	<0.02	1.52	124.2	3.37	43.3	65	7.5	11.6	583	2.88	4.5	<0.2	0.10	0.16	0.03
1080015	Rock	1.83	0.30	1.91	0.30	0.08	<0.02	0.79	35.85	3.71	38.8	52	12.4	4.6	334	1.81	3.3	0.4	0.07	0.21	<0.02
1080016	Rock	1.91	0.31	1.82	0.32	0.06	<0.02	0.30	33.93	12.49	90.8	75	17.7	8.4	693	2.15	1.4	<0.2	0.11	0.33	<0.02
1080017	Rock	1.84	0.30	2.05	0.31	0.25	0.07	0.82	148.1	8.58	76.7	142	20.0	19.6	732	4.04	0.4	209.1	0.10	0.11	<0.02
1080018	Rock	1.93	0.31	1.83	0.29	0.08	<0.02	0.22	71.73	3.16	40.4	57	15.3	7.2	319	1.72	0.6	5.4	0.06	0.26	0.13
GS-1	Rock Pulp	2.81	0.45	2.99	0.41	2.06	0.04	0.67	21.70	9.42	53.8	37	26.8	11.8	449	2.86	4.3	1.2	0.07	0.22	0.23
1080540	Rock	2.00	0.31	1.99	0.29	0.07	<0.02	1.28	94.35	2.66	58.4	61	14.6	16.0	495	3.68	1.1	2.7	0.11	0.41	0.02
1080542	Rock	0.14	0.05	0.31	0.03	0.09	0.18	0.72	1816	1.91	18.8	1965	4.9	7.5	231	7.22	0.8	2067	0.02	0.59	27.33
1080543	Rock	4.16	0.78	5.48	0.91	0.04	<0.02	0.70	201.5	2.21	20.4	52	0.6	3.6	366	2.93	3.9	12.0	0.05	0.82	0.37
1080544	Rock	1.67	0.29	1.67	0.25	0.16	0.09	1.69	3886	1.76	66.1	1065	23.1	30.2	926	9.31	4.8	143.1	0.14	0.98	0.67
1080545	Rock	2.04	0.30	2.05	0.28	0.14	<0.02	1.31	743.3	1.25	52.2	38	20.9	22.9	972	5.27	3.7	2.3	0.05	0.77	0.05

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CERTIFICATE OF ANALYSIS VAN11003924.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		P	Cr	B	Tl	Hg	Se	Te	Ge	In	Re	Be	Li	Pd	Pt
Unit		%	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.001	0.5	1	0.02	5	0.1	0.02	0.1	0.02	1	0.1	0.1	10	2
1079512	Rock	0.130	32.8	3	0.06	<5	1.6	0.07	<0.1	<0.02	8	0.3	12.5	<10	<2
1079513	Rock	0.074	29.0	4	0.22	<5	0.3	0.04	0.2	0.02	<1	0.6	9.5	<10	<2
1079514	Rock	0.168	19.7	4	<0.02	<5	54.8	0.38	0.2	<0.02	45	0.7	8.2	15	3
1079515	Rock	0.085	86.7	2	<0.02	<5	1.1	0.07	<0.1	<0.02	<1	0.2	18.1	<10	<2
1079516	Rock	0.153	19.3	1	0.04	<5	0.8	0.08	0.1	0.02	<1	0.4	5.3	<10	3
1079517	Rock	0.135	67.4	7	<0.02	<5	1.5	0.43	<0.1	<0.02	2	0.2	32.4	<10	3
1079518	Rock	0.208	12.2	6	<0.02	<5	0.5	<0.02	0.1	<0.02	<1	0.5	19.4	<10	<2
GS-1	Rock Pulp	0.045	22.1	<1	0.09	<5	0.3	0.05	<0.1	<0.02	<1	0.5	31.5	<10	<2
1080003	Rock	0.201	31.1	<1	<0.02	<5	0.3	<0.02	<0.1	<0.02	<1	0.4	5.6	<10	2
1080004	Rock	0.196	37.7	<1	0.04	<5	0.3	<0.02	<0.1	<0.02	<1	0.2	11.2	<10	<2
1080005	Rock	0.214	27.7	<1	0.03	<5	0.2	0.02	<0.1	<0.02	<1	0.3	6.1	<10	<2
1080006	Rock	0.203	31.7	1	<0.02	<5	0.2	<0.02	<0.1	<0.02	<1	0.5	4.1	<10	3
1080007	Rock	0.194	26.8	<1	0.03	<5	0.2	<0.02	<0.1	<0.02	<1	0.4	9.7	<10	<2
1080008	Rock	0.206	26.5	<1	0.02	<5	0.4	<0.02	0.1	<0.02	<1	0.5	3.1	<10	<2
1080009	Rock	0.206	26.0	<1	<0.02	<5	0.2	0.02	<0.1	<0.02	<1	0.3	4.3	<10	2
1080010	Rock	0.198	36.8	<1	0.03	<5	0.4	<0.02	<0.1	<0.02	<1	0.7	9.3	133	9
1080011	Rock	0.200	35.1	<1	0.04	<5	0.2	<0.02	<0.1	<0.02	<1	0.3	8.3	<10	<2
1080012	Rock	0.146	30.4	<1	0.03	<5	0.3	<0.02	<0.1	<0.02	<1	0.4	13.5	<10	<2
1080013	Rock	0.216	30.4	1	<0.02	<5	0.2	0.02	<0.1	<0.02	<1	0.2	5.4	<10	<2
1080014	Rock	0.124	2.0	<1	<0.02	<5	0.3	<0.02	<0.1	<0.02	<1	0.4	10.1	<10	<2
1080015	Rock	0.204	28.2	<1	<0.02	<5	0.2	<0.02	<0.1	<0.02	<1	0.3	4.0	<10	<2
1080016	Rock	0.199	28.4	<1	0.04	<5	0.3	<0.02	<0.1	<0.02	<1	0.2	7.5	<10	<2
1080017	Rock	0.203	39.9	1	0.09	<5	0.2	<0.02	0.1	<0.02	<1	0.6	8.8	<10	<2
1080018	Rock	0.228	24.8	<1	<0.02	<5	0.3	<0.02	<0.1	<0.02	<1	0.3	5.4	<10	<2
GS-1	Rock Pulp	0.044	21.5	<1	0.12	<5	0.3	0.04	<0.1	<0.02	<1	0.2	29.7	<10	<2
1080540	Rock	0.186	39.3	4	<0.02	<5	0.3	<0.02	<0.1	<0.02	<1	0.4	7.1	19	2
1080542	Rock	0.019	12.9	<1	0.13	46	8.3	0.13	<0.1	0.12	<1	1.1	2.7	<10	<2
1080543	Rock	0.015	1.9	2	0.04	19	0.2	<0.02	<0.1	0.04	<1	1.1	6.1	<10	<2
1080544	Rock	0.182	68.5	1	1.18	23	0.6	0.06	0.1	0.02	<1	1.2	34.4	<10	4
1080545	Rock	0.180	56.6	4	0.23	8	0.2	0.02	<0.1	<0.02	<1	1.0	20.3	<10	4

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: September 14, 2011

CERTIFICATE OF ANALYSIS VAN11003924.1

Method		WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
Analyte		Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Sc	LOI	Sum	Ba	Cs	Ga	Hf	Nb
Unit		kg	%	%	%	%	%	%	%	%	%	%	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm
MDL		0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	1	-5.1	0.01	1	0.1	0.5	0.1	0.1
1080546	Rock	2.02	50.82	4.24	23.60	1.21	0.13	<0.01	0.12	0.22	0.12	0.08	0.005	7	12.9	93.48	69	0.6	7.6	0.6	6.1
1080547	Rock	1.89	51.33	14.74	9.41	6.65	8.08	3.13	2.50	0.76	0.36	0.26	0.020	32	2.3	99.58	1674	0.7	14.0	1.8	4.1
1080548	Rock	2.82	50.24	13.17	9.64	5.53	14.01	2.44	1.53	0.75	0.58	0.26	0.033	33	1.5	99.69	542	0.9	13.3	1.7	5.5
1080549	Rock	2.61	47.06	15.23	14.48	2.75	11.07	3.42	0.83	0.91	0.32	0.19	0.027	26	3.4	99.66	361	0.8	18.3	1.4	1.9
1080550	Rock	3.34	45.13	14.05	13.52	5.61	14.32	2.21	0.69	0.74	0.48	0.23	0.024	35	2.6	99.58	323	0.5	15.0	1.1	0.5

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CERTIFICATE OF ANALYSIS VAN11003924.1

	Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
	Analyte	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02
1080546	Rock	7.2	<1	35.5	0.2	1.3	1.5	72	7.9	22.1	4.2	2.0	3.5	0.50	1.9	0.54	0.05	0.57	0.10	0.69	0.12
1080547	Rock	55.0	<1	469.1	0.3	2.2	0.9	252	0.8	63.5	15.8	7.6	15.9	2.18	11.4	2.79	0.72	2.92	0.50	3.05	0.69
1080548	Rock	74.9	<1	545.9	0.4	1.5	1.1	495	<0.5	39.1	23.5	12.3	23.6	4.05	20.1	4.48	1.16	4.44	0.72	4.42	0.85
1080549	Rock	34.4	1	750.1	0.3	0.7	0.5	433	<0.5	42.5	13.5	8.3	16.1	2.45	10.9	2.59	0.94	2.73	0.44	2.73	0.50
1080550	Rock	33.1	<1	758.6	<0.1	<0.2	<0.1	359	<0.5	24.8	14.6	7.7	15.5	2.29	10.4	2.68	1.11	2.96	0.50	2.94	0.55

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CERTIFICATE OF ANALYSIS VAN11003924.1

	Method	4A-4B	4A-4B	4A-4B	4A-4B	2A Leco	2A Leco	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Er	Tm	Yb	Lu	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Cd	Sb	Bi
	Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm
	MDL	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.2	0.01	0.02	0.02
1080546	Rock	0.37	0.05	0.32	0.06	0.10	4.39	13.21	3043	62.82	219.6	9035	6.5	61.5	678	18.05	>10000	4243	4.01	744.1	15.31
1080547	Rock	1.89	0.29	1.79	0.26	0.14	0.05	0.36	155.6	3.29	57.7	50	19.9	13.9	733	3.15	40.2	6.9	0.12	0.56	0.07
1080548	Rock	2.24	0.34	2.09	0.31	0.11	<0.02	1.70	114.8	3.11	30.0	38	48.0	7.8	419	1.39	78.9	6.8	0.07	1.07	0.19
1080549	Rock	1.55	0.23	1.44	0.23	0.12	1.09	2.55	655.0	2.31	27.0	242	41.2	20.5	257	5.48	14.9	6.8	0.09	0.63	0.07
1080550	Rock	1.62	0.22	1.25	0.19	0.07	1.50	0.81	1081	2.13	49.1	387	61.7	54.7	405	4.91	18.6	11.3	0.16	0.56	0.08

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CERTIFICATE OF ANALYSIS VAN11003924.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		P	Cr	B	Tl	Hg	Se	Te	Ge	In	Re	Be	Li	Pd	Pt
Unit		%	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.001	0.5	1	0.02	5	0.1	0.02	0.1	0.02	1	0.1	0.1	10	2
1080546	Rock	0.053	30.5	<1	0.38	1174	31.4	8.80	0.3	0.17	<1	0.5	12.2	<10	3
1080547	Rock	0.153	56.6	2	<0.02	10	0.5	0.05	<0.1	<0.02	<1	0.2	10.7	<10	3
1080548	Rock	0.248	30.9	8	0.03	<5	0.6	0.22	<0.1	<0.02	73	0.3	8.4	<10	4
1080549	Rock	0.145	117.3	7	<0.02	10	4.5	0.35	0.1	0.03	37	0.4	8.2	<10	6
1080550	Rock	0.198	67.5	7	<0.02	10	7.9	0.25	<0.1	<0.02	79	0.1	9.0	12	5

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Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

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QUALITY CONTROL REPORT VAN11003924.1

	Method	WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
	Analyte	Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Sc	LOI	Sum	Ba	Cs	Ga	Hf	Nb
	Unit	kg	%	%	%	%	%	%	%	%	%	%	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	1	-5.1	0.01	1	0.1	0.5	0.1	0.1
1080005	Rock	2.44	53.75	16.82	7.75	3.09	7.07	3.33	4.89	0.73	0.53	0.14	0.008	21	1.4	99.49	2677	0.8	16.5	3.1	4.8
Pulp Duplicates																					
GS-1	Rock Pulp		60.68	12.40	5.50	2.33	6.09	1.11	2.43	0.71	0.10	0.09	0.009	11	8.4	99.83	474	2.8	14.6	4.5	13.7
REP GS-1	QC																				
1080007	Rock	3.63	54.29	16.36	7.91	3.04	6.72	2.76	6.10	0.69	0.49	0.13	0.007	19	1.0	99.48	2990	1.4	15.1	2.8	4.7
REP 1080007	QC		54.23	16.55	7.84	3.03	6.66	2.79	6.12	0.69	0.47	0.13	0.007	19	1.0	99.49	2923	1.3	15.1	2.6	4.2
1080545	Rock	3.18	49.22	15.92	12.88	5.43	7.05	2.44	2.28	0.79	0.44	0.33	0.015	28	2.8	99.60	696	6.0	17.3	2.4	5.4
REP 1080545	QC		49.58	15.81	12.76	5.40	7.05	2.40	2.24	0.79	0.43	0.33	0.014	29	2.8	99.61	656	5.8	17.2	1.8	5.6
1080546	Rock	2.02	50.82	4.24	23.60	1.21	0.13	<0.01	0.12	0.22	0.12	0.08	0.005	7	12.9	93.48	69	0.6	7.6	0.6	6.1
REP 1080546	QC																				
1080549	Rock	2.61	47.06	15.23	14.48	2.75	11.07	3.42	0.83	0.91	0.32	0.19	0.027	26	3.4	99.66	361	0.8	18.3	1.4	1.9
REP 1080549	QC																				
1080550	Rock	3.34	45.13	14.05	13.52	5.61	14.32	2.21	0.69	0.74	0.48	0.23	0.024	35	2.6	99.58	323	0.5	15.0	1.1	0.5
REP 1080550	QC																				
Core Reject Duplicates																					
1080006	Rock	2.60	53.26	17.01	8.27	2.99	8.22	3.90	3.38	0.75	0.52	0.13	0.008	20	1.2	99.65	1342	1.0	17.2	3.0	4.6
DUP 1080006	QC		53.11	16.97	8.28	3.01	8.38	3.87	3.42	0.74	0.51	0.14	0.008	20	1.2	99.63	1437	0.9	17.9	2.7	4.9
Reference Materials																					
STD CSC	Standard																				
STD CSC	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD OREAS76A	Standard																				
STD OREAS76A	Standard																				
STD SO-18	Standard		58.17	14.08	7.61	3.36	6.37	3.66	2.13	0.69	0.83	0.39	0.540	24	1.9	99.74	499	6.7	17.3	9.8	20.3
STD SO-18	Standard		58.21	14.08	7.57	3.36	6.38	3.66	2.12	0.69	0.84	0.39	0.538	23	1.9	99.74	509	6.7	17.4	9.5	20.1
STD SO-18	Standard		58.07	14.14	7.60	3.36	6.34	3.69	2.16	0.69	0.84	0.39	0.546	24	1.9	99.75	517	7.0	17.2	9.6	21.0
STD SO-18	Standard		58.09	14.14	7.57	3.35	6.34	3.73	2.16	0.69	0.84	0.39	0.546	25	1.9	99.75	511	6.9	16.6	9.5	20.1
STD SO-18	Standard		58.22	14.07	7.58	3.33	6.30	3.73	2.16	0.69	0.83	0.39	0.553	24	1.9	99.76	470	6.3	16.2	8.6	18.8

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QUALITY CONTROL REPORT VAN11003924.1

	Method	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
	Analyte	Rb	Sn	Sr	Ta	Th	U	V	W	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.1	1	0.5	0.1	0.2	0.1	8	0.5	0.1	0.1	0.1	0.1	0.02	0.3	0.05	0.02	0.05	0.01	0.05	0.02
1080005	Rock	86.3	1	791.5	0.3	5.7	2.9	232	0.9	103.2	19.7	16.4	34.9	4.53	19.8	3.97	1.10	3.74	0.60	3.53	0.74
Pulp Duplicates																					
GS-1	Rock Pulp	84.3	3	204.2	1.2	14.1	2.9	63	1.1	165.2	25.9	52.5	106.3	12.90	46.8	8.90	1.56	5.87	0.87	4.88	0.97
REP GS-1	QC																				
1080007	Rock	97.1	1	622.5	0.4	5.1	3.0	223	<0.5	98.3	18.0	15.5	32.6	4.18	17.2	3.78	1.08	3.76	0.58	3.52	0.68
REP 1080007	QC	96.8	2	605.8	0.3	5.3	2.8	218	0.7	95.9	18.3	15.0	30.9	4.10	17.0	3.87	1.09	3.50	0.57	3.13	0.64
1080545	Rock	117.2	1	602.7	0.3	4.2	1.5	274	2.5	82.8	18.6	10.2	20.4	2.64	12.9	2.98	0.82	2.86	0.50	3.37	0.60
REP 1080545	QC	115.5	1	578.3	0.4	3.5	1.1	262	1.6	68.4	18.9	9.5	19.4	2.66	12.7	2.70	0.81	2.85	0.52	3.11	0.65
1080546	Rock	7.2	<1	35.5	0.2	1.3	1.5	72	7.9	22.1	4.2	2.0	3.5	0.50	1.9	0.54	0.05	0.57	0.10	0.69	0.12
REP 1080546	QC																				
1080549	Rock	34.4	1	750.1	0.3	0.7	0.5	433	<0.5	42.5	13.5	8.3	16.1	2.45	10.9	2.59	0.94	2.73	0.44	2.73	0.50
REP 1080549	QC																				
1080550	Rock	33.1	<1	758.6	<0.1	<0.2	<0.1	359	<0.5	24.8	14.6	7.7	15.5	2.29	10.4	2.68	1.11	2.96	0.50	2.94	0.55
REP 1080550	QC																				
Core Reject Duplicates																					
1080006	Rock	76.0	1	781.3	0.3	5.5	2.8	227	0.6	102.8	18.9	14.9	31.2	4.25	17.5	3.88	1.04	3.44	0.60	3.26	0.70
DUP 1080006	QC	79.7	1	799.3	0.4	5.3	2.8	233	0.6	106.8	19.6	15.4	33.2	4.33	17.1	4.00	1.08	3.74	0.59	3.42	0.67
Reference Materials																					
STD CSC	Standard																				
STD CSC	Standard																				
STD DS8	Standard																				
STD DS8	Standard																				
STD OREAS76A	Standard																				
STD OREAS76A	Standard																				
STD SO-18	Standard	27.9	15	402.8	7.0	9.9	15.7	206	13.6	280.9	31.7	12.2	26.4	3.39	14.1	2.89	0.89	2.86	0.51	3.04	0.62
STD SO-18	Standard	27.4	15	394.5	6.8	10.1	16.0	208	13.7	280.6	31.8	12.6	26.6	3.39	14.0	2.96	0.91	2.87	0.50	2.98	0.65
STD SO-18	Standard	28.3	15	401.4	7.2	10.3	15.8	205	14.3	287.4	30.9	12.5	26.4	3.40	14.8	2.93	0.89	2.91	0.50	3.00	0.61
STD SO-18	Standard	27.5	15	389.1	7.1	10.0	15.9	197	13.9	275.2	30.4	12.0	25.7	3.28	14.0	2.88	0.86	2.93	0.50	2.92	0.60
STD SO-18	Standard	26.8	13	369.3	6.6	9.2	14.7	187	10.5	261.3	28.2	11.1	24.3	3.10	13.1	2.62	0.80	2.69	0.44	2.61	0.56

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Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: September 14, 2011

QUALITY CONTROL REPORT VAN11003924.1

	Method	4A-4B	4A-4B	4A-4B	4A-4B	2A Leco	2A Leco	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Er	Tm	Yb	Lu	TOT/C	TOT/S	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Cd	Sb	Bi
	Unit	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm
	MDL	0.03	0.01	0.05	0.01	0.02	0.02	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.2	0.01	0.02	0.02
1080005	Rock	2.07	0.32	2.10	0.31	0.07	0.02	0.38	132.9	3.11	37.2	82	14.5	13.8	388	2.24	4.2	0.7	0.12	0.26	0.02
Pulp Duplicates																					
GS-1	Rock Pulp	2.74	0.44	2.88	0.37	2.04	0.04	0.65	21.07	8.99	51.9	31	26.7	12.0	436	2.82	4.1	<0.2	0.05	0.19	0.21
REP GS-1	QC							0.63	21.48	9.58	55.9	35	25.9	12.3	435	2.79	4.1	0.4	0.06	0.22	0.21
1080007	Rock	1.82	0.30	2.09	0.29	0.02	<0.02	0.45	143.3	7.01	40.8	67	12.7	12.0	394	2.30	1.0	<0.2	0.09	0.16	<0.02
REP 1080007	QC	1.96	0.29	2.16	0.31																
1080545	Rock	2.04	0.30	2.05	0.28	0.14	<0.02	1.31	743.3	1.25	52.2	38	20.9	22.9	972	5.27	3.7	2.3	0.05	0.77	0.05
REP 1080545	QC	1.72	0.31	1.66	0.28	0.13	<0.02														
1080546	Rock	0.37	0.05	0.32	0.06	0.10	4.39	13.21	3043	62.82	219.6	9035	6.5	61.5	678	18.05	>10000	4243	4.01	744.1	15.31
REP 1080546	QC							13.27	3071	65.14	218.6	9093	6.7	65.2	695	18.27	>10000	4356	3.94	725.9	15.52
1080549	Rock	1.55	0.23	1.44	0.23	0.12	1.09	2.55	655.0	2.31	27.0	242	41.2	20.5	257	5.48	14.9	6.8	0.09	0.63	0.07
REP 1080549	QC							2.50	653.7	2.28	26.8	227	39.9	21.2	258	5.50	14.4	6.6	0.07	0.64	0.07
1080550	Rock	1.62	0.22	1.25	0.19	0.07	1.50	0.81	1081	2.13	49.1	387	61.7	54.7	405	4.91	18.6	11.3	0.16	0.56	0.08
REP 1080550	QC					0.07	1.48														
Core Reject Duplicates																					
1080006	Rock	1.91	0.32	2.14	0.31	0.10	<0.02	0.61	80.42	3.90	36.2	21	12.7	8.8	309	2.24	2.5	<0.2	0.11	0.23	<0.02
DUP 1080006	QC	1.87	0.30	2.00	0.32	0.10	<0.02	0.59	80.41	3.96	34.1	18	12.3	8.7	312	2.24	2.5	<0.2	0.13	0.23	<0.02
Reference Materials																					
STD CSC	Standard					3.04	4.14														
STD CSC	Standard					3.09	4.31														
STD DS8	Standard							12.76	108.4	113.4	308.9	1701	37.5	7.9	598	2.45	25.6	103.6	2.36	5.72	6.27
STD DS8	Standard							13.59	120.2	134.5	339.8	1906	40.9	7.7	637	2.64	28.2	117.8	2.51	5.83	7.37
STD OREAS76A	Standard					0.17	17.80														
STD OREAS76A	Standard					0.14	17.93														
STD SO-18	Standard	1.82	0.28	1.79	0.26																
STD SO-18	Standard	1.81	0.28	1.80	0.28																
STD SO-18	Standard	1.80	0.27	1.72	0.27																
STD SO-18	Standard	1.84	0.27	1.77	0.26																
STD SO-18	Standard	1.47	0.24	1.63	0.24																

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	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	P	Cr	B	Tl	Hg	Se	Te	Ge	In	Re	Be	Li	Pd	Pt
	Unit	%	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.001	0.5	1	0.02	5	0.1	0.02	0.1	0.02	1	0.1	0.1	10	2
1080005	Rock	0.214	27.7	<1	0.03	<5	0.2	0.02	<0.1	<0.02	<1	0.3	6.1	<10	<2
Pulp Duplicates															
GS-1	Rock Pulp	0.045	22.1	<1	0.09	<5	0.3	0.05	<0.1	<0.02	<1	0.5	31.5	<10	<2
REP GS-1	QC	0.042	21.7	1	0.10	<5	0.3	<0.02	<0.1	<0.02	<1	0.3	31.4	<10	<2
1080007	Rock	0.194	26.8	<1	0.03	<5	0.2	<0.02	<0.1	<0.02	<1	0.4	9.7	<10	<2
REP 1080007	QC														
1080545	Rock	0.180	56.6	4	0.23	8	0.2	0.02	<0.1	<0.02	<1	1.0	20.3	<10	4
REP 1080545	QC														
1080546	Rock	0.053	30.5	<1	0.38	1174	31.4	8.80	0.3	0.17	<1	0.5	12.2	<10	3
REP 1080546	QC	0.054	30.2	<1	0.39	1216	31.2	9.06	0.3	0.15	<1	0.3	12.5	<10	3
1080549	Rock	0.145	117.3	7	<0.02	10	4.5	0.35	0.1	0.03	37	0.4	8.2	<10	6
REP 1080549	QC	0.153	114.1	7	<0.02	10	4.7	0.28	<0.1	0.02	37	0.2	7.6	<10	6
1080550	Rock	0.198	67.5	7	<0.02	10	7.9	0.25	<0.1	<0.02	79	0.1	9.0	12	5
REP 1080550	QC														
Core Reject Duplicates															
1080006	Rock	0.203	31.7	1	<0.02	<5	0.2	<0.02	<0.1	<0.02	<1	0.5	4.1	<10	3
DUP 1080006	QC	0.202	31.7	<1	<0.02	<5	0.2	<0.02	<0.1	<0.02	<1	0.5	4.2	12	2
Reference Materials															
STD CSC	Standard														
STD CSC	Standard														
STD DS8	Standard	0.081	114.2	3	4.99	174	5.2	4.79	<0.1	2.29	46	5.2	25.9	95	320
STD DS8	Standard	0.084	122.7	3	5.75	209	5.7	4.87	0.1	2.50	62	6.2	28.4	93	392
STD OREAS76A	Standard														
STD OREAS76A	Standard														
STD SO-18	Standard														
STD SO-18	Standard														
STD SO-18	Standard														
STD SO-18	Standard														
STD SO-18	Standard														

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		WGHT	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B	4A-4B
		Wgt	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Sc	LOI	Sum	Ba	Cs	Ga	Hf	Nb
		kg	%	%	%	%	%	%	%	%	%	%	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm
		0.01	0.01	0.01	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	1	-5.1	0.01	1	0.1	0.5	0.1	0.1
STD SO-18	Standard		58.11	14.10	7.59	3.34	6.33	3.74	2.17	0.69	0.83	0.39	0.556	25	1.9	99.76	484	6.5	16.5	8.9	19.4
STD CSC Expected																					
STD OREAS76A Expected																					
STD DS8 Expected																					
STD SO-18 Expected			58.47	14.23	7.67	3.35	6.42	3.71	2.17	0.69	0.83	0.39	0.55	25			514	7.1	17.6	9.8	21.3
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank		<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<1	0.0	<0.01	<1	<0.1	<0.5	<0.1	<0.1
BLK	Blank		<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<1	0.0	<0.01	<1	<0.1	<0.5	<0.1	<0.1
BLK	Blank		<0.01	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<1	0.0	<0.01	<1	<0.1	<0.5	<0.1	<0.1
Prep Wash																					
G1	Prep Blank	<0.01	66.36	15.99	3.66	1.02	3.53	3.65	3.92	0.41	0.18	0.10	<0.002	5	0.9	99.71	1283	3.4	19.6	4.2	23.5
G1	Prep Blank	<0.01	66.60	15.94	3.62	1.03	3.52	3.68	3.83	0.41	0.18	0.10	<0.002	5	0.8	99.72	1237	3.5	18.8	4.3	23.2

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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
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		4A-4B Rb ppm 0.1	4A-4B Sn ppm 1	4A-4B Sr ppm 0.5	4A-4B Ta ppm 0.1	4A-4B Th ppm 0.2	4A-4B U ppm 0.1	4A-4B V ppm 8	4A-4B W ppm 0.5	4A-4B Zr ppm 0.1	4A-4B Y ppm 0.1	4A-4B La ppm 0.1	4A-4B Ce ppm 0.1	4A-4B Pr ppm 0.02	4A-4B Nd ppm 0.3	4A-4B Sm ppm 0.05	4A-4B Eu ppm 0.02	4A-4B Gd ppm 0.05	4A-4B Tb ppm 0.01	4A-4B Dy ppm 0.05	4A-4B Ho ppm 0.02
STD SO-18	Standard	27.2	13	378.0	6.7	9.4	15.0	189	10.7	268.2	28.9	11.6	25.0	3.13	13.4	2.67	0.82	2.68	0.45	2.70	0.51
STD CSC Expected																					
STD OREAS76A Expected																					
STD DS8 Expected																					
STD SO-18 Expected		28.7	15	407.4	7.4	9.9	16.4	200	14.8	280	31	12.3	27.1	3.45	14	3	0.89	2.93	0.53	3	0.62
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
BLK	Blank	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
BLK	Blank	<0.1	<1	<0.5	<0.1	<0.2	<0.1	<8	<0.5	<0.1	<0.1	<0.1	<0.1	<0.02	<0.3	<0.05	<0.02	<0.05	<0.01	<0.05	<0.02
Prep Wash																					
G1	Prep Blank	130.2	2	848.9	1.4	8.9	3.4	59	<0.5	147.4	16.8	32.0	66.7	7.63	27.3	5.02	1.18	3.45	0.52	2.96	0.59
G1	Prep Blank	128.6	2	820.9	1.4	8.8	3.4	60	<0.5	156.8	17.0	31.7	65.5	7.55	26.0	4.95	1.19	3.46	0.55	2.85	0.59

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		4A-4B Er ppm 0.03	4A-4B Tm ppm 0.01	4A-4B Yb ppm 0.05	4A-4B Lu ppm 0.01	2A Leco TOT/C % 0.02	2A Leco TOT/S % 0.02	1F30 Mo ppm 0.01	1F30 Cu ppm 0.01	1F30 Pb ppm 0.01	1F30 Zn ppm 0.1	1F30 Ag ppb 2	1F30 Ni ppm 0.1	1F30 Co ppm 0.1	1F30 Mn ppm 1	1F30 Fe % 0.01	1F30 As ppm 0.1	1F30 Au ppb 0.2	1F30 Cd ppm 0.01	1F30 Sb ppm 0.02	1F30 Bi ppm 0.02
STD SO-18	Standard	1.65	0.25	1.60	0.24																
STD CSC Expected						2.94	4.25														
STD OREAS76A Expected						0.16	18														
STD DS8 Expected								13.44	110	123	312	1690	38.1	7.5	615	2.46	26	107	2.38	5.7	6.67
STD SO-18 Expected		1.84	0.27	1.79	0.27																
BLK	Blank					<0.02	<0.02														
BLK	Blank					<0.02	<0.02														
BLK	Blank							<0.01	0.15	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.2	<0.01	<0.02	<0.02
BLK	Blank							<0.01	0.92	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.2	<0.01	<0.02	<0.02
BLK	Blank	<0.03	<0.01	<0.05	<0.01																
BLK	Blank	<0.03	<0.01	<0.05	<0.01																
BLK	Blank	<0.03	<0.01	<0.05	<0.01																
Prep Wash																					
G1	Prep Blank	1.87	0.29	1.94	0.30	<0.02	<0.02	0.15	2.20	3.07	44.2	10	2.2	3.7	533	2.04	<0.1	4.3	0.03	0.03	0.07
G1	Prep Blank	1.65	0.27	2.04	0.29	0.02	<0.02	0.11	1.89	3.01	47.3	10	1.9	3.7	558	2.08	<0.1	<0.2	0.03	0.02	0.06

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		1F30 P % 0.001	1F30 Cr ppm 0.5	1F30 B ppm 1	1F30 Tl ppm 0.02	1F30 Hg ppb 5	1F30 Se ppm 0.1	1F30 Te ppm 0.02	1F30 Ge ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2
STD SO-18	Standard														
STD CSC Expected															
STD OREAS76A Expected															
STD DS8 Expected		0.08	115	2.6	5.4	192	5.23	5	0.13	2.19	55	5.2	26.34	110	339
STD SO-18 Expected															
BLK	Blank														
BLK	Blank														
BLK	Blank	<0.001	<0.5	<1	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.001	<0.5	<1	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank														
BLK	Blank														
BLK	Blank														
Prep Wash															
G1	Prep Blank	0.077	5.2	<1	0.28	<5	<0.1	<0.02	<0.1	<0.02	<1	0.3	26.2	<10	<2
G1	Prep Blank	0.085	4.6	<1	0.30	<5	0.1	<0.02	<0.1	0.02	<1	0.5	29.5	<10	<2

Appendix 4: Geophysics survey details and section/maps

A LOGISTAL REPORT

ON

INDUCED POLARIZATION SURVEYING

Cripple Property
Cripple Lake Area
OMINECA M.D., B.C.
54° 53'N, 124° 11'W
NTS: 93K/16

Survey Dates: August 14th – August 24th , 2011

For

TECK RESOURCES LTD.

Vancouver, B.C.

BY

PETER E. WALCOTT & ASSOCIATES LIMITED

Vancouver, B.C.

SEPTEMBER 2011

TABLE OF CONTENTS

INTRODUCTION.

Between August 14th and August 24th, 2011, Peter E. Walcott & Associates Limited undertook vector induced polarization (I.P.) and pole-dipole induced polarization surveying over parts of the Cripple property, located some 50 kilometres north of the community of Ft. St. James, British Columbia, for the Teck Resources Limited.

The surveying was carried out to assist in the search of potential mineralization beneath a covered region. The survey was conducted on two grids with nominal station spacing of 500 metres. In addition a small line of conventional pole-dipole was conducted over a select target in Area 2.

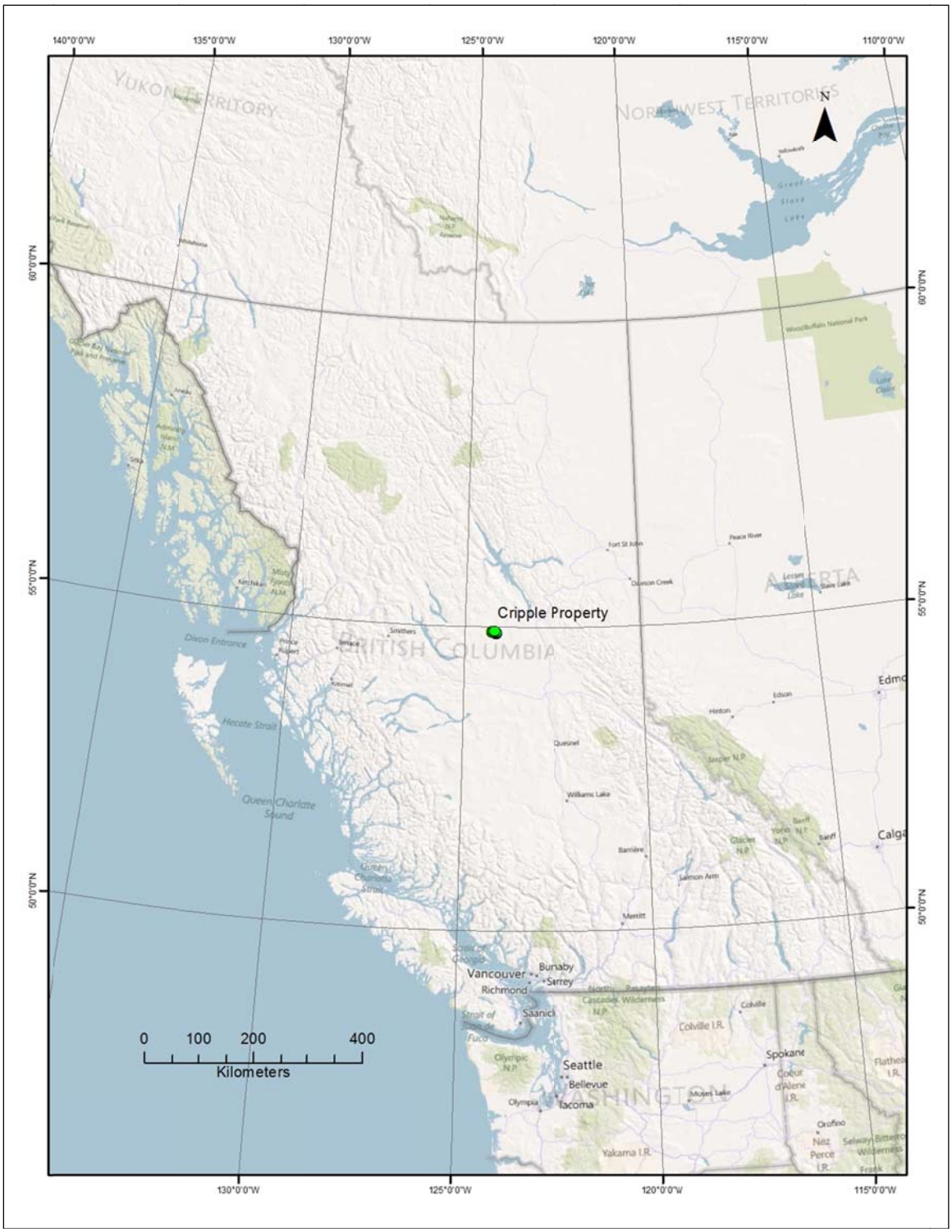
In addition horizontal/vertical locations of the stations were measured using a Garmin GPS unit

The I.P. data are presented as plan maps and individual pseudo section at a scale of 1:10,000.

PROPERTY, LOCATION & ACCESS.

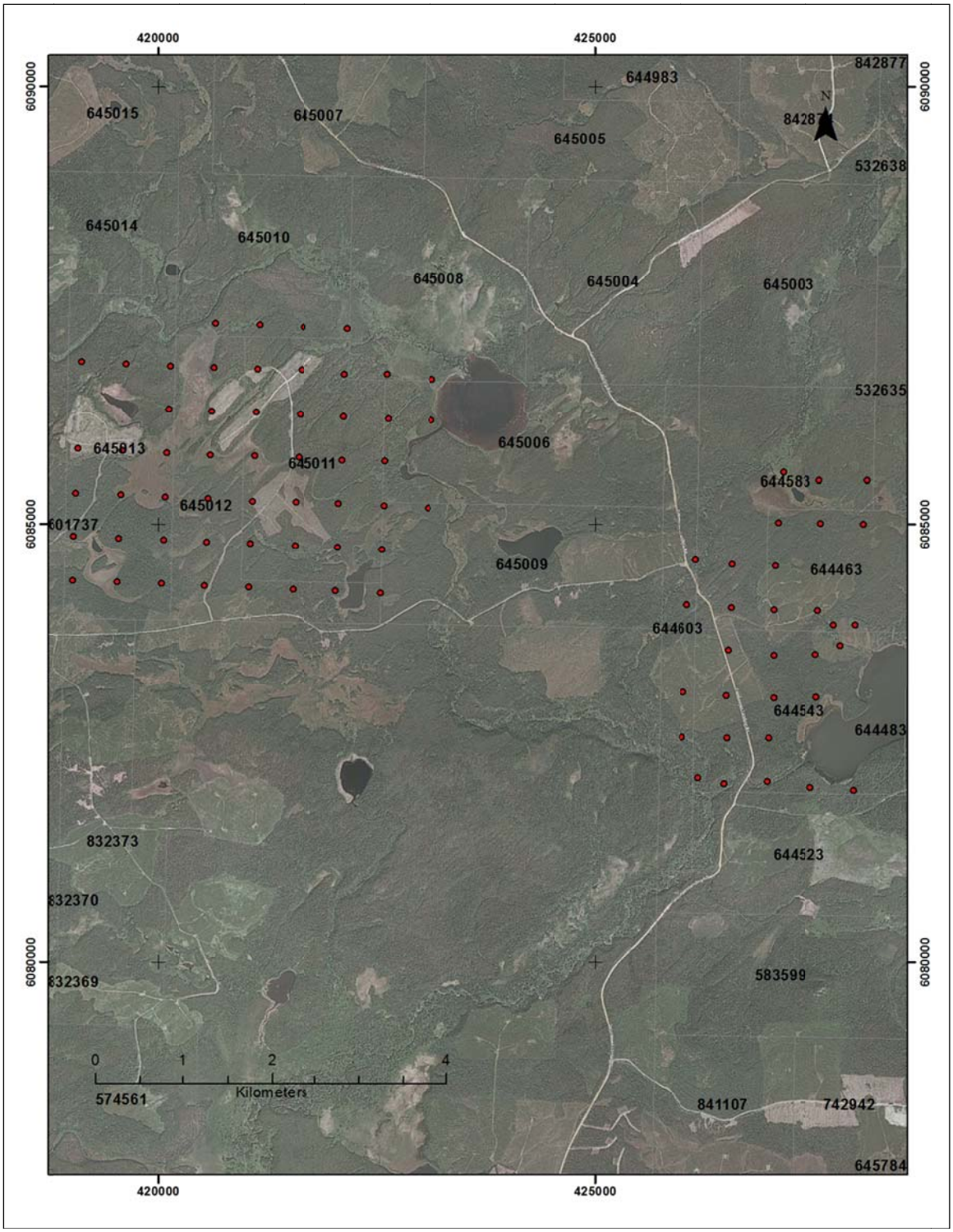
The Cripple property is located in the Ominica Mining Division of British Columbia. It is situated some 50 kilometres north of the community of Ft. St. James, British Columbia.

Access to the grid is readily obtainable via a network of forest service logging roads emanating from the community of Ft. St. James. The crew was housed at Kalder lake, some 12 kilometres north of the survey area.



Property Location Map

Road Access Map



Claim and Line Location Map

SURVEY SPECIFICATIONS.

The Induced Polarization Survey.

The induced polarization (I.P.) survey was conducted using a pulse type system, the principal components of which were manufactured by Huntec Limited of Metropolitan Toronto, Canada and GDD Instruments of Quebec City, Canada.

The system consists basically of three units, a receiver (GDD), transmitter (GDD/Huntec) and a motor generator (Honda). The transmitter, which provides a maximum of 5 kw/8kw d.c. to the ground, obtains its power from a 7.5 kw/10 kw 60/400 c.p.s. single/three phase alternator driven by a Honda 14/20 h.p. gasoline engine. The cycling rate of the transmitter is 2 seconds "current-on" and 2 seconds "current-off" with the pulses reversing continuously in polarity. Timing was controlled by a GDD TRM with gps sync. The data recorded in the field consists of careful measurements of the current (I) in amperes flowing through the current electrodes C_1 and C_2, the primary voltages (V) appearing between any two sequential potential electrodes, P_1 through P_{n+1} or two orthogonal electrodes for the vector IP, during the "current-on" part of the cycle, and the apparent chargeability, (M_a) presented as a direct readout in millivolts per volt using a 200 millisecond delay and a 1000 millisecond sample window by the receiver, a digital receiver controlled by a micro-processor – the sample window is actually the total of twenty individual windows of 50 millisecond widths.

SURVEY SPECIFICATIONS cont'd

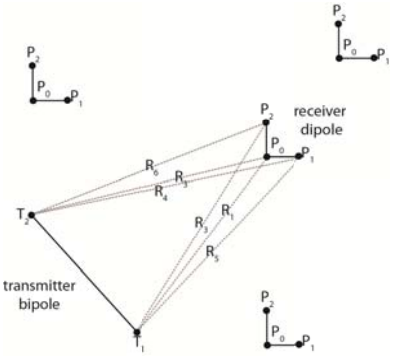
The apparent resistivity (ρ_a) in ohm metres is proportional to the ratio of the primary voltage and the measured current, the proportionality factor depending on the geometry of the array used. The chargeability and resistivity are called apparent as they are values which that portion of the earth sampled would have if it were homogeneous. As the earth sampled is usually inhomogenenous the calculated apparent chargeability and resistivity are functions of the actual chargeability and resistivity of the rocks.

The survey was carried out using vector IP method on two survey areas. Two current electrodes, C_1 and C_2 where placed in a north south orientation in both cases; Area 1- 421515 mE, 6086539 mN and 420616 mE, 6084095 mE , Area 2 – 426059 mE, 6084489 mN and 426639 mE, 6082968 mN. Two sets of electrodes 100 metres in length at 90 degree angles where then measured at each station. In order to maximize signal, the electrodes were orientated at 45 degrees to the current electrodes. Measurement of primary voltages and chargeability were obtained at the station. A number of proposed stations were unable to be read due to weak signals, despite using GPS synchronization. The mean currents for Area 1 and Area 2 were 6900 milliamps, and 3600 milliamps respectively. Acquisition was not possible at a number of stations due to weak signals, or water bodies.

The resistivity for the Vector IP was approximated using potential differences, as demonstrated in the equations below. Chargeability was obtained by the using vector sum of the respective magnitudes.

$$\rho = 2\pi \frac{\sqrt{(\Delta V_1{}^2 + \Delta V_2{}^2)}}{I} * \frac{1}{\sqrt{(G_1{}^2 + G_2{}^2)}}$$

SURVEY SPECIFICATIONS cont'd



$$G_1 = \frac{1}{R1} - \frac{1}{R3} - \frac{1}{R2} + \frac{1}{R4}$$

$$G_2 = \frac{1}{R1} - \frac{1}{R3} - \frac{1}{R5} + \frac{1}{R6}$$

In addition a test lines were carried out using the "pole-dipole" method of surveying. In this method the current electrode, C_1, and the potential electrodes, P_1 through P_{n+1}, are moved in unison along the survey lines at a spacing of "a" (the dipole) apart, while the second current electrode, C_2, is kept constant at "infinity". The distance, "na" between C_1 and the nearest potential electrode generally controls the depth to be explored by the particular separation, "n", traverse. The lines were run using 100 metre a-spacing, measuring the first to sixth "n". The infinity for this grid was situated at 10 U 421239 mE, 6090337 mN.

SURVEY SPECIFICATIONS cont'd

Horizontal control.

The horizontal position of the stations were recorded using a WAAS equipped GPDMAP60Cx unit manufactured by Garmin of Kansas, USA.

Data Presentation.

Data is presented in Geosoft databases containing measured primary voltages and chargeability for each component.

The vector I.P. is presented in plan view for both apparent resistivity and chargeability.

The pole-dipole I.P. data are presented as individual pseudo section plots of apparent chargeability and resistivity at a scale of 1:10,000. Plots of the 21 point moving filter – illustrated on the pseudo section – for the above are also displayed in the top window to better show the location of the anomalous zones.

APPENDIX

PERSONNEL EMPLOYED ON SURVEY.

Name	Occupation	Address	Dates
John Cornock	Geophysicist	Peter E. Walcott & Associates Limited 608 – 1529 W. 2nd Ave., Vancouver, B.C. V6J 1H2	Aug 14th,18th-24th, 2011
Alex Walcott	"	"	Aug 14th –17th, 2011
Victoria Sterritt	"	Teck Resources	Aug 14th, 17th
Otto Janout	Geophysical Operator	"	Aug. 14th- Aug 24th, 2011
Chris Pearson	"	"	Aug 20th-24th
Matt Magee	"	"	Aug 20th
M. Rodrigue	"	"	"
Simon Oliver	"	"	Aug 21st-24th
JR Kuznak	"	"	Aug 20th
Charlie Prince	"	"	Aug 20th
Andrew Bird	"	"	Aug 15th,18th ,20-24th
Justin Lessard	"	"	Aug 20th
Steve Leir	"	"	Aug 21st-24th
Kaylyn Kitlo	"	"	Aug 21st-24th

Induced Polarization Transmitters

TxII - 3600W Model

3600W-2400V-10A

Its power (3600W) combined with a Honda generator makes it particularly suitable for pole-dipole induced polarization surveys. Link two 3600W IP transmitters together and transmit up to 7200W-4800V-10A.

TxII - 5000W Model

5000W-2400V-10A

Its high power (5000W) makes it particularly suitable for deep pole-dipole induced polarization surveys or in very resistive ground. Link two 5000W IP transmitters together and transmit up to 10,000W-4800V-10A.

Link two GDD IP 3600W or 5000W transmitters together to double power.

Protection against short circuits even at zero (0) ohm
Output voltage range: 150V – 2400V / 14 steps
Power source: 220-240V / 50-60 Hz
Displays electrode contact, transmitting power and current

GDD 3600W or 5000W Induced Polarization (IP) transmitters work from a standard 220-240V source and are well adapted to rocky environments where a high output voltage of up to 2400V is needed. Moreover, in highly conductive overburden, the highly efficient GDD transmitter is able to send current up to 10 A. By using this IP transmitter, you obtain fast and high-quality IP readings even in the most difficult conditions.

Manufactured in Canada by Instrumentation GDD inc.

Control Panel

← TxII - 3600W

TxII - 5000W →

SPECIFICATIONS

TxII - 3600W

- Size : 27 cm x 40 cm x 20 cm
- Weight : approximately 32 kg
- Operating temperature : -40 °C to 65 °C

TxII - 5000W

- Size : 55 cm x 45 cm x 26 cm
- Weight : approximately 40 kg
- Operating temperature : -40 °C to 65°C

COMPONENTS INCLUDED

- Tx built in a Pelican transportation box
- 20A power cable extension
- 20/30A cable adaptor
- Instruction manual
- Blue carrying case
- Yellow Master-Slave cable (optional)

ELECTRICAL CHARACTERISTICS

- Time base : 2 seconds ON, 2 seconds OFF /
  0.5, 1, 2, 4 sec. / 1, 2, 4, 8 sec. / DC
- Output current : 0.030 to 10 A (normal operation)
  0.000 to 10 A (with cancel open loop)
- Output voltage : 150 to 2400V / 14 steps
- Ability to link two transmitters together to double power

←Link together two 3600W-2400V IP transmitters and transmit up to 7200W-4800V. Link together two 5000W-2400V IP transmitters and transmit up to 10,000W-4800V.

DISPLAYS

- Output current, 0.001 A resolution
- Output power
- Ground resistance (when the Tx is turned off)

CONTROLS

- Switch ON / OFF
- Output voltage selector : 150V, 180V, 350V, 420V, 500V, 600V, 700V, 840V, 1000V, 1200V, 1400V, 1680V, 2000V, 2400V

POWER SOURCE

- Standard 220-240V / 50-60 Hz Honda regulated generator

PURCHASE
Can be shipped anywhere in the world.

RENTAL-available in Canada and USA only
Starts on the day the instrument leaves our office in Quebec to the day of its return to our office. 50% of the rental fee up to a maximum of 4 months can be credited towards the purchase of the rented instrument.

WARRANTY
GDD's instruments are covered by a one-year warranty. Repair to be done free of charge at our office in Quebec, Qc, Canada.

SERVICE
If an instrument manufactured by GDD breaks down while under warranty or service contract, it will be replaced free of charge during repairs (upon request and subject to instruments availability).

OTHER COSTS
Shipping, insurance, duties and taxes are extra if applicable.

PAYMENT
Visa, Mastercard, American Express, checks or money transfer.

INSTRUMENTATION GDD INC.

860, boul. de la Chaudière, suite 200
Québec (Québec), Canada, G1X 4B7
Phone: +1 (418) 877-4249
Fax: +1 (418) 877-4054
Web Site: www.gdd.ca
Email: gdd@gdd.ca

IP Receiver Model GRx8-32

«Field users have reported that the GDD IP Receiver provided more reliable readings than any other time domain IP receiver and it reads a few additional dipoles. »

Features :

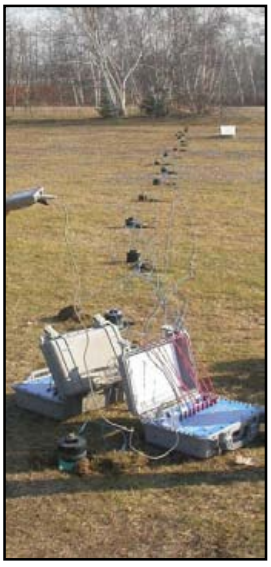
- 8 channels expandable to 16, 24 or 32
- Reads up to 32 ch. simultaneously in poles or dipoles
- PDA menu-driven software / simple to use
- 32 channels configuration allows 3D Survey:
  4 lines X 8 channels - 2 lines X 16 channels
  1 line X 32 channels
- Link to a PDA by Bluetooth or RS-232 port
- Real-time data and automatic data stacking (Full Wave)
- Screen-graphics: decay curves, resistivity, chargeability
- Automatic SP compensation and gain setting
- 20 programmable chargeability windows
- Survey capabilities: Resistivity and Time domain IP
- One 24 bit A/D converter per channel
- Gain from 1 to 1,000,000,000 (10^9)
- Shock resistant, portable and environmentally sealed

GRx8-32: This new receiver is a compact and low consumption unit designed for high productivity Resistivity and Induced Polarization surveys. Its high ruggedness allows it to work under any field conditions.

User modes available: Arithmetic, logarithmic, semi-logarithmic, Cole-Cole, IPR-12 and user defined.

IP display: Chargeability values, Resistivity values and IP decay curves can be displayed in real time. The GRx8-32 can be used for monitoring the noise level and checking the primary voltage waveform.

Internal memory: A 4 Go (or more) Compact Flash memory card is used to store the readings. Each reading includes the full set of parameters characterizing the measurements for all channels; the full wave signal for post-treatment processing. The data is stored in flash type memory not requiring any battery power for safekeeping. Data storage space is virtually unlimited.



Manufactured in Canada by Instrumentation GDD Inc.

SPECIFICATIONS

Number of channels: 8, expandable to 16, 24 or 32
Survey capabilities: Resistivity and Time domain IP
Twenty chargeability windows: Arithmetic, logarithmic, semi- logarithmic, IPR-12 and user defined
Synchronization: Automatic re-synchronization process on primary voltage signal
Noise reduction: Automatic stacking number
Computation: Apparent resistivity, chargeability, standard deviation, and % of symmetrical Vp
Size: 41 X 33 X 18 cm (16 X 13 X 7 in)
Weight (32 channels): 8.9 kg (19.6 lb)
Enclosure: Heavy-duty Pelican case, environmentally sealed
Serial ports: RS-232 and Bluetooth to communicate with a PDA
Temperature range: -45 to +60°C (-49 to +140°F)
Humidity range: Waterproof

8 Channels →
16 Ch. →
24 Ch. →
32 Ch. →

ELECTRICAL CHARACTERISTICS

Ground Resistance: Up to 1.6 MΩ
Signal waveform: Time domain (ON+, OFF, ON-, OFF)
Time base: 0.5, 1, 2, 4 and 8 seconds
Input impedance: 10^4 GΩ
Primary voltage: ±10 uV to ±15 V for any channel
Input: True differential for common-mode rejection in dipole configuration
Voltage measurement: Resolution 1 µV, Accuracy 0.5%
SP offset adjustment: ± 5 V, automatic compensation through linear drift correction per steps of 150 µV
Filter: Eight-pole Bessel low-pass 15 Hz, notch filter 50 Hz and 60 Hz
Chargeability Measurement: Resolution 1 µV, Accuracy 0.8%

PDA

Standard – Juniper Allegro Cx or Mx PDA computer provided with the GDD receiver with all accessories.
Display: 3.8" QVGA LCD 320 x 240 pixels
Operating system: Windows CE (Cx)
Windows Mobile 6.0 (Mx)
Comes with Bluetooth and RS-232

Allegro Cx

Allegro Mx

POWER

- 12 V rechargeable batteries.
- Standard plug for external battery.

COMPONENTS INCLUDED

PURCHASE

Can be shipped anywhere in the world.

RENTAl- available in Canada and USA only

Starts on the day the instrument leaves our office in Québec to the day of its return to our office. 50% of the rental fee of the last 4 months of rental can be credited towards the purchase of the rented instrument.

WARRANTY

All instruments are covered by one-year warranty. All repair will be done free of charge at our office in Quebec, Canada.

SERVICE

If an instrument manufactured by GDD breaks down while under warranty or service contract, it will be replaced free of charge during repairs (upon request and subject to instrument availability).

OTHER COSTS

Shipping, insurances, customs and taxes are extra if applicable.

PAYMENT

Checks, credit cards, money transfer, etc.

INSTRUMENTATION GDD INC.

3700, boul. de la Chaudière, suite 200
Québec (Québec), Canada, G1X 4B7
Phone: +1 (418) 877-4249
Fax: +1 (418) 877-4054
Web Site: www.gdd.ca
Email: gdd@gdd.ca

Specifications are subject to change without notice

Printed in Québec, Canada, 2009

SCIP

Description
Case histories
Documents
Videos
Updates
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MPP Probe

Description
Case histories
Documents
Videos
Updates
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IP Transmitter

Description
Case histories
Documents
Videos
Rent - Buy

IP Receiver

Description
Case histories
Documents
Videos
Updates
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TRM

Description
Case histories
Documents
Videos
Rent - Buy

Beep Mat

Description
Case histories
Documents
Videos
Updates
Rent - Buy

Chain + Level

Description
Case histories
Documents
Videos
Updates

GDD TRM supplies power for Pulse EM Surveys using the GDD 3600 watts I.P. transmitter

The use of the GDD time domain IP transmitter(s) with the GDD TRM allows to work in **IP frequency domain, time domain (adjustable timing) and Pulse EM for very large loops (field tested with a 16 km loop using small gage wire).**

"GDD TRM for Pulse EM"
Click on the picture to enlarge it

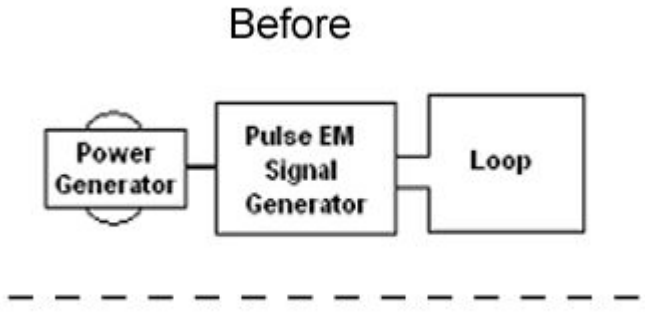
The GDD TRM uses the power of the GDD 3600 W I.P. transmitter to energize the loop.

The TRM module can drive 10 A, from 150 V to 2400 V (14 steps), with a peak power up to 3600 W. This system has been developed and used successfully for deep Pulse EM surveys by the largest Canadian producer of nickel in the Sudbury region. Also, if **2 GDD transmitters with 2 GDD TRM** are used, it cand send up in the ground up to **4800V and 10A** while synchronization is done by Geonic transmitter, Crone, Zonge. OEM, Smart5, or any other compatible transmitter

The GDD TRM is sturdy and can operate in extreme climatic conditions (40 oC to 65 oC). The GDD TRM module can be hooked directly on a 240 V AC power source, such as a portable generator (e.g.: Honda or another model). As the **loop can measure up to 16km**, an "Open Loop" protection has been added to avoid any risk of electrocution.

Benefits from the use of the new GDD TRM for a 4 km surface loop in Sudbury

- The higher voltage gaps (up to 7200W- 4800 V) allowed to send a higher current (up to 10A) resulting in drastic:
- Better penetration
- Higher signal to noise
- Faster readings
- New anomalies at greater depth
- Lower costs for the client and bigger profits for the contractor



Rent - Buy

SSW Probe

Description
Case histories
Documents
Videos
Updates
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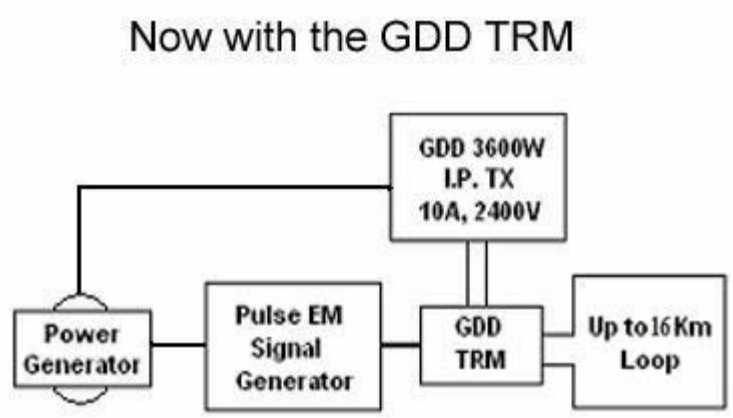
Other Instruments

Photonic probe
Density Measurement System
Rent - Buy

Services and Other Rentals

Field training
Other rentals
Surveys



View Video showing configuration to be used for Pulse EM (for surface loop) or Frequency Domain (electrodes) in combination with an OEM transmitter allowing to send up to 7200W - 4800V with a maximum of 10A.

Equipment List

The following equipment is shipped:

- 1 TRM module
- 1 splitter power cable
- 1 240 V / 20 A power cable
- 1 power cable adapter from 240 V / 20 A to 240 V / 30 A
- 1 instruction manual

Specifications

- **Size** : 18 x 33 x 41 cm
- **Weight** : 4 kg
- **Operating temperature** : -40 °C to 65 °C
- **Output current** : Up to 10 A
- **Output voltage** : 150 V to 2400 V
- **Power source** : 240 V / 60 Hz (220 V / 50 Hz)

Instrumentation GDD Inc.
860 boul. de la Chaudiere, Suite 200
Quebec (Qc)
CANADA
G1X 4B7
Phone: +1 (418) 877-4249 - Fax: +1 (418) 877-4054
www.gddinstrumentation.com
Contact us

INTELLIGENT REFERENCE/TM-4™ and TM-4/OEM™

PRECISE FREQUENCY AND SYNCHRONIZATON REFERENCE FROM SPECTRUM INSTRUMENTS

The Intelligent Reference/TM-4ô is our most advanced standard product, and we designed it to achieve new levels of performance, quality and value. The TM-4 and TM-4/OEM deliver a vast and useful array of standard and optional features in a very small and easy to integrate package. Even better, it isnít limited to our idea of what a reference should be. The flexibility of the TM-4 platform allows for custom modifications to meet your exact requirements, often at little or no additional cost.

FEATURES and PERFORMANCE

- ï State-of-the-art 12-channel GPS timing receiver
- ï Choice of oscillator type and qualities, including ultra-low power OCXO and low cost TCVCXO
- ï MTIE Stratum-1 compliant
- ï Intelligent Holdoverô provides near-Rubidium stability during temporary GPS unavailability
- ï FastStartô technology provides high accuracy within just minutes of startup
- ï Simultaneous event time-tag and programmed output pulse functions
- ï Optional programmable wide-range filtered timing pulse, synchronous to PPS, with ultra-low jitter
- ï Optional GPS-corrected PLL frequency synthesizer generates almost any frequency up to 125 MHz
- ï Multiplexer outputs for divide-down multiples of the primary oscillator output, TTL level
- ï Optional CTCSS tone generator
- ï Standard 1PPS output with separate ASCII serial time message
- ï 25ns timing accuracy
- ï Optional Network Time Protocol output
- ï Optional IRIG and NASA-36 time codes
- ï Very high spectral purity sine wave output
- ï Very low phase noise (OCXO versions)
- ï Small size (4.125î x 4.0î x 1.50î excluding connectors)
- ï Available as OEM board-only product
- ï Simple RS-232C ASCII command and message set, includes navigation information and NMEA-0183 subset
- ï Wide input power range: 9-35 VDC
- ï Standard input and output connectors
- ï Windows® based control software included
- ï Choice of GPS antennas (antenna kit sold separately)
- ï Optional multiple sine wave outputs
- ï Highly customizable

Spectrum INSTRUMENTS, INC. • 570 E. ARROW HIGHWAY • SUITE D • SAN DIMAS, CA 91773 • TEL:(909) 971-9710
WWW.SPECTRUMINSTRUMENTS.COM

Specifications: INTELLIGENT REFERENCE/TM-4™ and TM-4/OEM™

PHYSICAL (In Enclosure)

HEIGHT:	1.50 in.	(38.1 mm)
WIDTH:	4.125 in.	(104.8 mm)
DEPTH:	4.00 in.	(101.6 mm)
WEIGHT:	13.0 ozs.	(0.369 kg)

ENVIRONMENTAL

OPERATING TEMPERATURE: -20 to +70°C, extended range optional

STORAGE TEMPERATURE: -40 to +85°C

HUMIDITY: Up to 95% R.H., non-condensing

POWER

INPUT SUPPLY VOLTAGE: 9 to 35 VDC, 24 VDC nominal

INPUT CONNECTOR: DB-15HD (female)

POWER CONSUMPTION: 3.4 watts after warm-up. Low-power option available.

ANTENNA POWER OUT: 5 VDC, 20 mA

GPS BACKUP: Rechargeable lithium battery

OSCILLATORS

HIGH-PERFORMANCE OCXO: standard
LOW-POWER OCXO: optional
TCVCXO: optional
STANDARD FREQUENCY: 10 MHz
OPTIONAL FREQUENCIES: 5, 12.8, 13 MHz
ï consult factory for additional oscillator options

PERFORMANCE (GPS)

RECEIVER TYPE: Twelve parallel channel, code + carrier tracking, CA code, L1 carrier

TIME TO FIRST FIX (typical):
Hot Start: <15 seconds (valid almanac, time, date, position & ephemeris)
Warm Start: <40 seconds (valid almanac, time, date & position)
Cold Start: <60 seconds (no information)

POSITION UPDATE RATE: Once per second, nominal.

POSITION ACCURACY: Less than 25m SEP

PERFORMANCE (TIME)

1 PPS OUTPUT: (Referenced to UTC)

Accuracy: 25ns RMS
Accuracy while coasting: Same as primary frequency output

PERFORMANCE (FREQUENCY)

PRIMARY FREQUENCY: 10 MHz. Meets MTIE requirement for Stratum-1 primary clock source.

LONG-TERM STABILITY: $1x10^{-12}$ after 24 hours of tracking. (Δt=24 hours)

SHORT-TERM STABILITY:
$1x10^{-11}$ (Δt=1 second)

ACCURACY WHILE COASTING: $5x10^{-10}$ per day after 3 days of locked operation, standard OCXO.

PHASE NOISE, 1 HZ BANDWIDTH:

10 Hz:	< -124 dBc
100 Hz:	< -139 dBc
1 kHz:	< -149 dBc
10 kHz:	< -151 dBc
100 kHz:	< -155 dBc

HARMONIC OUTPUTS: <-50 dBc

SPURIOUS OUTPUTS: <-70 dBc

OPTIONS

ï IRIG and/or NASA-36 serial time code
ï NTP output
ï Filtered timing pulse
ï GPS-corrected PLL frequency synthesizer
ï GPS-corrected auxiliary frequency output
ï CTCSS (PL) tone generator
ï Higher baud rates for serial time messages
ï Low-power OCXO and other oscillator choices
ï Extended operational temperature range
ï Substitute other frequency for primary output
ï Custom multiplexer and/or other output
ï Multiple sine wave outputs
ï Custom functions
ï Customized user software

ACCESSORIES

ï GPS antenna kits
ï Power/Control/Data cable
ï 1U Rack mount kit
ï Distribution amplifiers
ï Connection (breakout) board
ï AC power adapter, US or by country
ï Rechargeable battery pack/UPS

INPUTS & OUTPUTS

1 PPS OUTPUT

Connector: BNC
Drive: TTL levels into 50Ω
Rise Time: 10 ns, maximum
Pulse Width: Positive pulse, 1 ms nominal. Rising edge on-time. PPS connector can be factory-reconfigured to deliver IRIG, multiplexer, or other output instead of PPS.

10 MHz OUTPUT

Connector: BNC
Drive: High spectral-purity sine wave, +10 dBm into 50Ω, ±2dB

GPS ANTENNA

Connector: TNC

CONTROL and AUXILIARY I/O

Connector: DB-15HD (female)

SERIAL CONTROL I/O: RS-232C, 9600bps

ALARM OUTPUT: Open collector

SERIAL TIME MESSAGE: RS-232C, 1200-19200 bps standard, ASCII date and time of next 1 PPS epoch. NMEA-0183 message subset. Factory configurable for optional NTP output. Optional rates of 38400, 57600 and 115200 bps.

EXTERNAL EVENT INPUT: TTL/CMOS level, edge-triggered, polarity selectable

PROGRAMMED OUTPUT PULSE:
Drive: TTL levels into 50Ω
Rise/Fall Time: 10 ns, maximum
Pulse Width: User-selectable, 1μsec-250 ms
Polarity: Selectable

MULTIPLEXER OUTPUTS:
Drive: TTL levels into 50Ω
Rise/Fall Time: 10 ns, maximum
Mux 1: 1,10,100 kHz, 1,5,10 MHz, PPS, baseband IRIG (optional)
Mux 2: 10 MHz, Mux 1 mirror, PPS, baseband IRIG (optional), baseband NASA-36 (optional), custom outputs 1-3 (special option)

OPTIONAL IRIG/NASA-36 OUTPUT:
Type: TTL and modulated
Output Level: 2.7 V_{ptp} into 600Ω
Modulation Level: 3.3:1

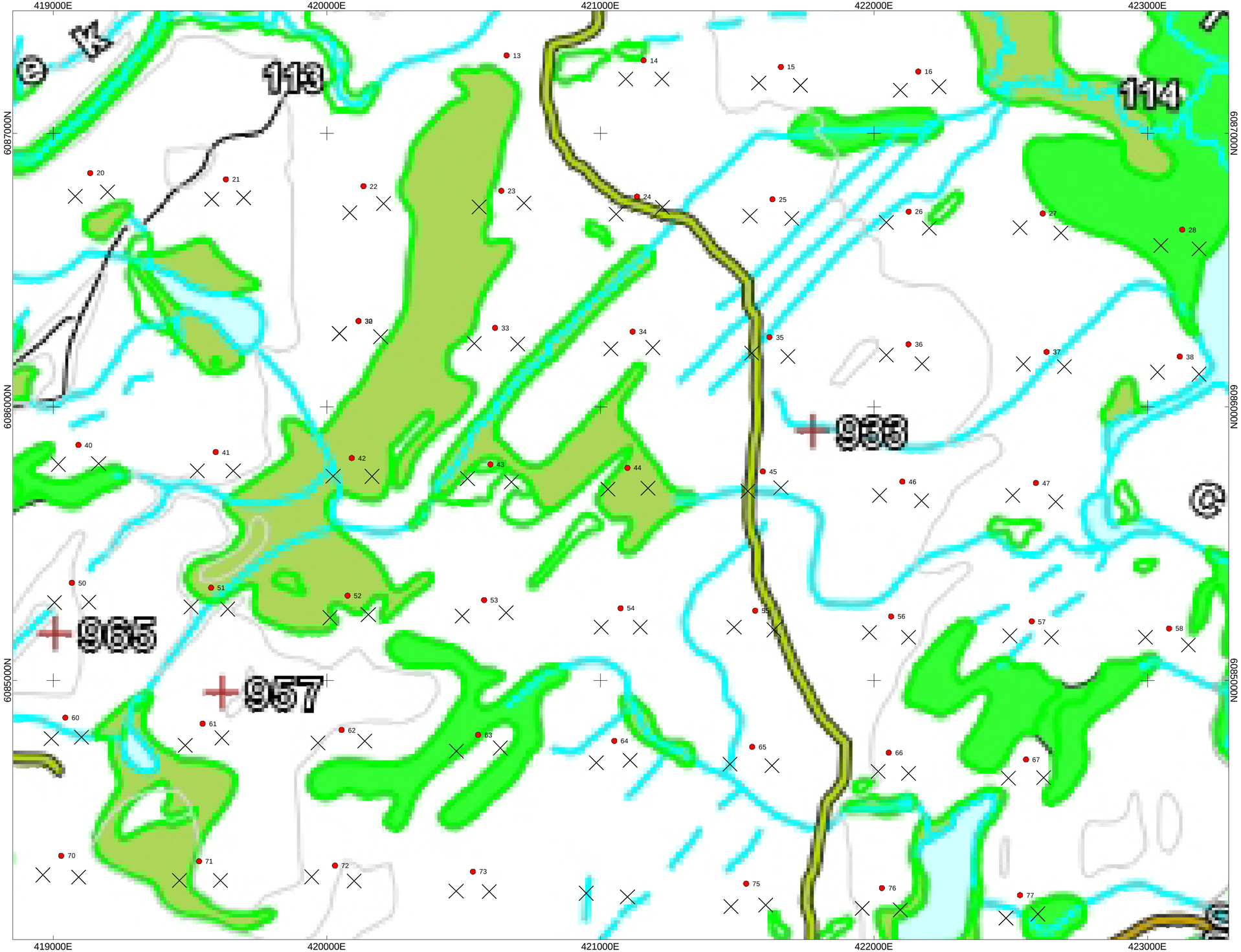
OPTIONAL PLL FREQUENCY SYNTHESIZER:
Frequency: Virtually any frequency desired from 2.5 to 125 MHz. Factory set.
Drive: TTL levels into 50Ω
Accuracy: Same as primary frequency output.
Rise/Fall Time: 2 ns, maximum
Output: 50% duty-cycle

OPTIONAL AUXILIARY FREQUENCY OUTPUT:
Frequency: VCXO-derived. Divide or multiply possible. Factory set.
Drive: TTL levels into 50Ω
Accuracy: Same as primary frequency output.
Rise/Fall Time: 10 ns, maximum
Output: 50% duty-cycle

OPTIONAL FILTERED TIMING PULSE:
Frequency: Virtually any frequency up to 100 kHz, such as 1 Hz, 25 Hz, 216.66 Hz, etc. Factory set.
Drive: TTL levels into 50Ω
Rise/Fall Time: 10 ns, maximum
Output: Positive pulse, 10 μsec, nominal. Rising edge on-time.
Accuracy: Same as primary frequency output.
Characteristics: Coherent with primary frequency output. Leading edge synchronized with average value of PPS from GPS receiver. Extremely low jitter.

Spectrum
INSTRUMENTS, INC.
570 E. ARROW HIGHWAY, SUITE D
SAN DIMAS, CA 91773
TEL: (909) 971-9710 • FAX: (909) 971-9330 • WWW.SPECTRUMINSTRUMENTS.COM

Specifications subject to change without notice. Consult factory for performance specifications for optional configurations.



Scale 1:10000

200 0 200 400 600

(meters)

TECK RESOURCES LTD.

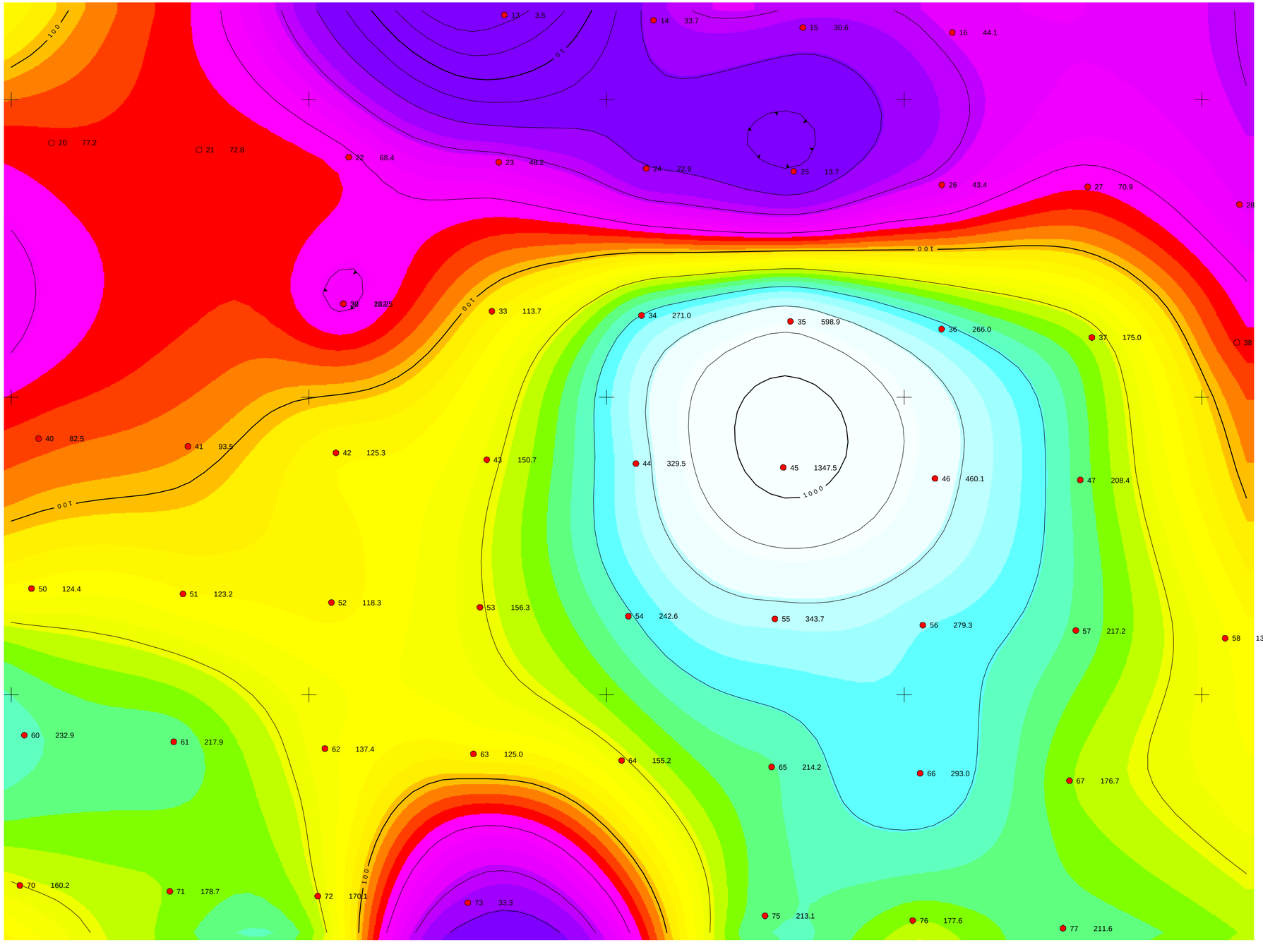
VECTOR INDUCED POLARIZATION SURVEY
GRID LOCATION MAP - AREA 1

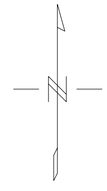
AREA 1
CRIPPLE LAKE
FT. ST. JAMES AREA, BRITISH COLUMBIA
AUGUST 2011

PETER E. WALCOTT & ASSOCIATES LIMITED

419000E 420000E 421000E 422000E 423000E

6087000N 6086000N 6085000N





Scale 1:10000

200 0 200 400 600

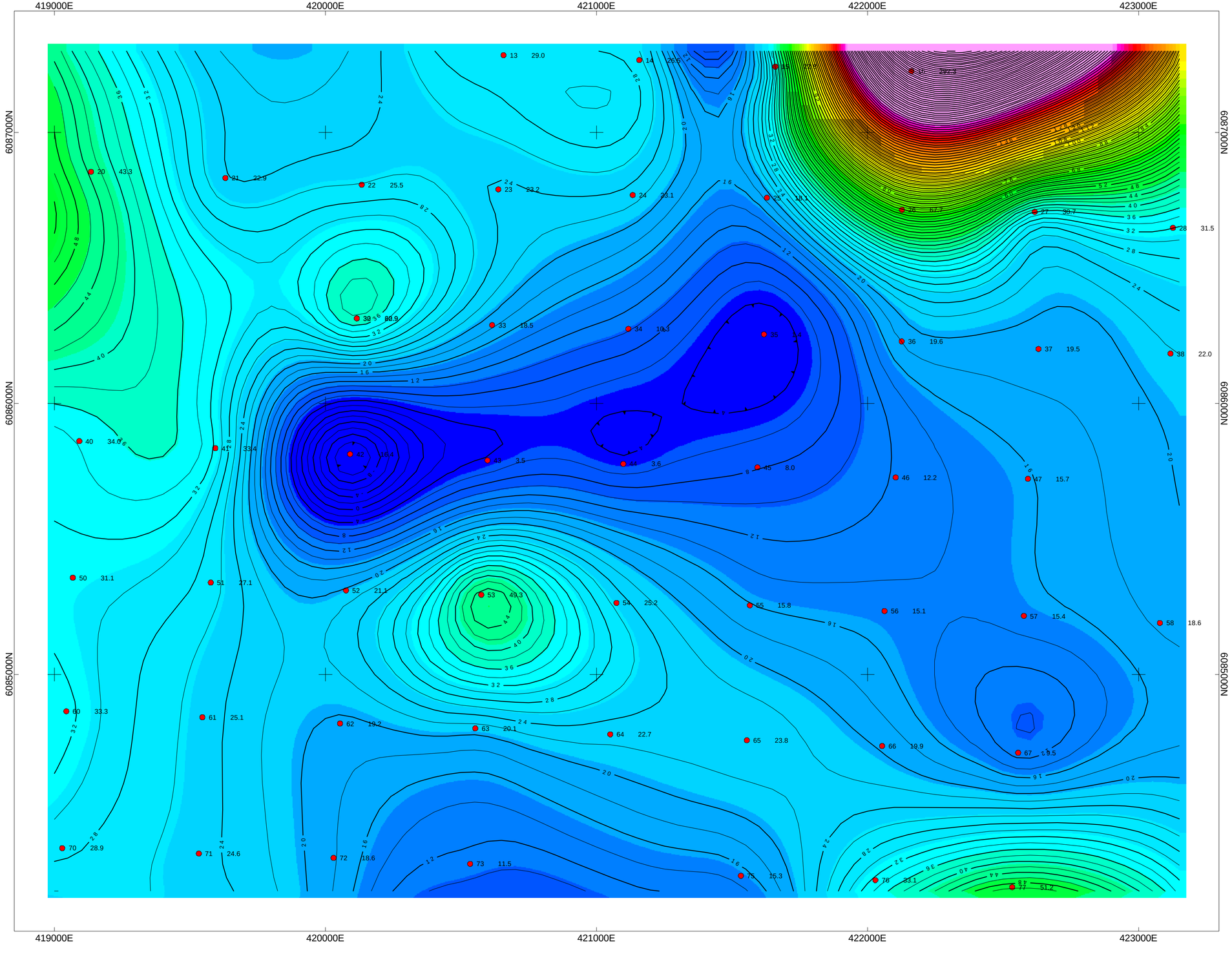
(meters)

TECK RESOURCES LTD.

VECTOR INDUCED POLARIZATION SURVEY
CONTOURS OF APPARENT RESISTIVITY (OHM-M)

AREA 1
CRIPPLE LAKE
FT. ST. JAMES AREA, BRITISH COLUMBIA
AUGUST 2011

PETER E. WALCOTT & ASSOCIATES LIMITED



TECK RESOURCES LTD.

VECTOR INDUCED POLARIZATION SURVEY
CONTOURS OF APPARENT CHARGEABILITY (mV/V)

AREA 1
CRIPPLE LAKE
FT. ST. JAMES AREA, BRITISH COLUMBIA
AUGUST 2011

PETER E. WALCOTT & ASSOCIATES LIMITED

426000E 427000E 428000E

6085000N

6084000N

6083000N

6082000N

416 219.6
417 299.0
418 318.4
516 176.7
517 241.5
518 374.6
614 345.2
615 62.2
616 774.8
714 177.5
715 116.3
716 152.2
717 205.6
815 63.8
816 83.6
817 120.7
818 125.8
819 167.0
820 161.2
914 58.4
915 240.8
916 78.1
917 74.0
1014 56.7
1015 108.5
1016 93.7
1114 73.1
1115 134.2
1116 104.8
1117 82.5
1118 105.6

925 917 923 906 928 912 876

6500 E 4800 4700 4600 4500 4400 4300 4200 4100 4000 3900 3800 3700 3600 3500 3400 3300 3200 3100 3000 2900 2800 2700 2600

NENDA

Scale 1:10000

100 0 100 200 300 400 500 600 700

(meters)

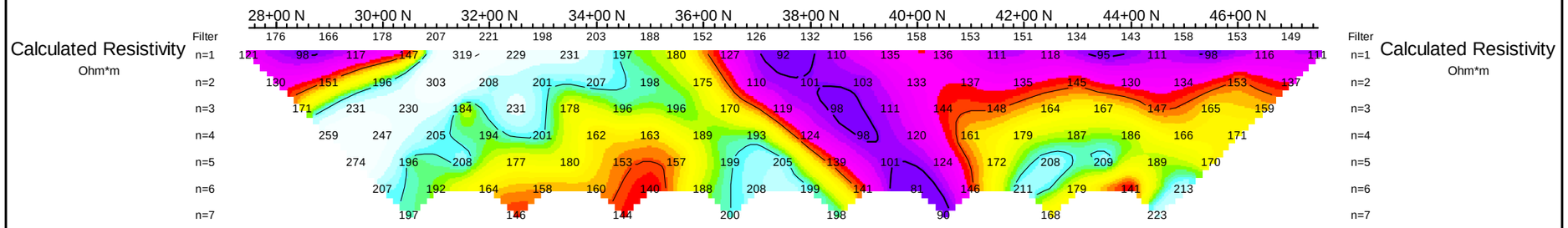
TECK RESOURCES LTD.

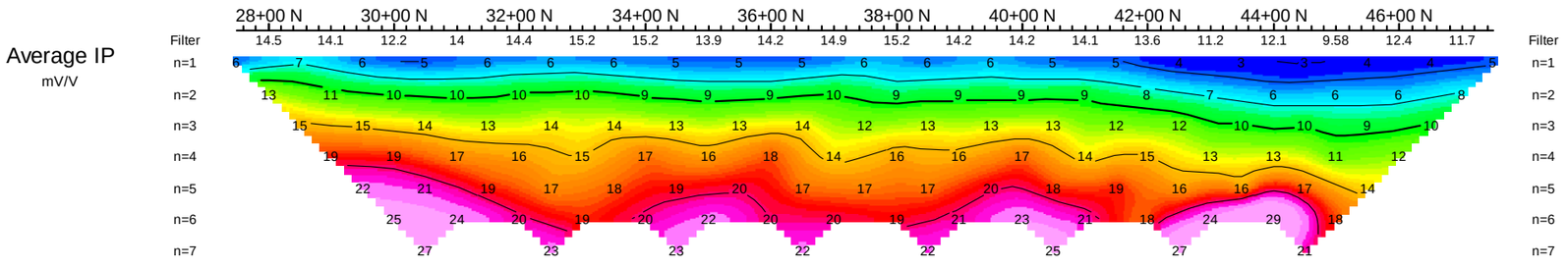
VECTOR INDUCED POLARIZATION SURVEY
GRID LOCATION MAP - AREA 2

CRIPPLE LAKE
FT. ST. JAMES AREA, BRITISH COLUMBIA
AUGUST 2011

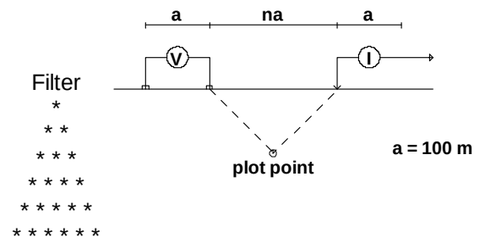
PETER E. WALCOTT & ASSOCIATES LIMITED

65+00 E





Dipole-Pole Array



Instruments: GDD 5.0kw Tx, 2 X GDD GRX8 Rx

Frequency: 0.125 Hz.
Operators: J.C., C.P., O.J.

Logarithmic Contours: 1, 1.5, 2, 3, 5, 7.5, 10,...

Scale 1:10000

100 0 100 200 300 400 500 600

(meters)

TECK

INDUCED POLARIZATION SURVEY
FEB PROPERTY
CRIPPLE TEST LINE, BRITISH COLUMBIA

Date: AUGUST 2011

PETER E. WALCOTT & ASSOCIATES LIMITED

426000E 427000E 428000E

6085000N 6084000N 6083000N 6082000N

416 219.6
417 299.0
418 318.4
516 176.7
517 241.5
518 374.6
614 345.2
615 62.2
616 774.8
714 177.5
715 116.3
716 152.2
717 205.6
820 161.2
819 167.0
818 125.8
815 63.8
816 83.6
817 120.7
914 58.4
915 240.8
916 78.1
917 74.0
1014 56.7
1015 108.5
1016 93.7
1114 73.1
1115 134.2
1116 104.8
1117 82.5
1118 105.6

4800 4700 4600 4500 4400 4300 4200 4100 4000 3900 3800 3700 3600 3500 3400 3300 3200 3100 3000 2900 2800 2700 2600 6500 E 100

Scale 1:10000

100 0 100 200 300 400 500 600 700
(meters)

TECK RESOURCES LTD.

VECTOR INDUCED POLARIZATION SURVEY
CONTOURS OF APPARENT RESISTIVITY (OHM-M)

CRIPPLE LAKE
FT. ST. JAMES AREA, BRITISH COLUMBIA
AUGUST 2011

PETER E. WALCOTT & ASSOCIATES LIMITED

426000E 427000E 428000E

6085000N 6084000N 6083000N 6082000N

416 72.4
417 29.1
418 37.6
516 20.1
517 28.8
518 33.4
614 9.8
615 18.3
616 16.8
714 17.7
715 28.0
716 33.3
717 33.0
820 34.7
819 35.6
818 36.2
815 34.1
816 41.5
817 37.2
914 31.2
915 7.2
916 22.1
917 28.0
1014 54.5
1015 10.4
1016 20.9
1114 10.7
1115 55.1
1116 36.8
1117 39.7
1118 46.2

5 0
4 0
3 0
2 0
4800
4700
4600
4500
4400
4300
4200
4100
4000
3900
3800
3700
3600
3500
3400
3300
3200
3100
3000
2900
2800
2700
2600
6500 E

Scale 1:10000

100 0 100 200 300 400 500 600 700

(meters)

TECK RESOURCES LTD.

VECTOR INDUCED POLARIZATION SURVEY
CONTOURS OF APPARENT CHARGEABILITY (mV/V)

CRIPPLE LAKE
FT. ST. JAMES AREA, BRITISH COLUMBIA
AUGUST 2011

PETER E. WALCOTT & ASSOCIATES LIMITED

Appendix 5: Soil Sample Locations, Descriptions, and pH Values

Sample Number	Sample Status	UTM Easting	UTM Northing	Job Number	Soil Horizon	pH Sample
1079501	0	428051.7962	6084149.395	VAN11003560	Ah	N/A
1079502	0	428108.9128	6084152.672	VAN11003560	Ah	Ae
1079503	0	428147.8133	6084150.603	VAN11003560	Ah	B
1079504	0	428203.9009	6084157.719	VAN11003560	Ah	B
1079505	0	428252.9117	6084154.153	VAN11003560	Ah	B
1079506	0	428299.4916	6084155.005	VAN11003560	Ah	B
1079507	0	428355.4443	6084156.375	VAN11003560	Ah	B
1079509	0	428402.6689	6084149.389	VAN11003560	Ah	B
1079510	0	428452.4674	6084150.969	VAN11003560	Ah	B
1079511	0	428501.4422	6084161.245	VAN11003560	Ah	B
1079519	0	424305.2626	6091887.116	VAN11003922	Ah	Ae
1079520	0	424296.5737	6091948.887	VAN11003922	Ah	B
1079521	0	424302.9503	6091996.565	VAN11003922	Ah	Ae
1079522	0	424356.3246	6092056.842	VAN11003922	Ah	Ae
1079523	0	424347.7159	6092113.269	VAN11003922	Ah	B
1079524	0	424802.0734	6092203.785	VAN11003922	Ah	B
1079525	0	424803.9444	6092109.296	VAN11003922	Ah	B
1079526	0	424796.0884	6091308.277	VAN11003922	Ah	B
1079527	0	424799.7641	6091354.295	VAN11003922	Ah	B
1079528	0	424813.438	6091384.265	VAN11003922	Ah	B
1079529	0	424805.4056	6091432.222	VAN11003922	Ah	B
1079530	0	424797.8748	6091447.746	VAN11003922	Ah	B
1079531	0	424799.7238	6091494.313	VAN11003922	Ah	B
1079532	0	424805.2673	6091553.692	VAN11003922	Ah	B
1079533	0	424799.4533	6091578.647	VAN11003922	Ah	B
1079534	0	424806.2045	6091660.378	VAN11003922	Ah	Ae
1079535	0	424802.595	6091707.296	VAN11003922	Ah	B
1079536	0	424795.215	6091797.871	VAN11003922	Ah	B
1079537	0	424790.9118	6091868.286	VAN11003922	Ah	B
1079538	0	424803.6531	6091902.539	VAN11003922	Ah	Ae
1079539	0	424796.9229	6091955.52	VAN11003922	Ah	Ae
1079540	0	424797.6139	6092023.366	VAN11003922	Ah	B
1079541	0	421397.4131	6088802.892	VAN11003922	Ah	B
1079542	0	421357.2365	6088790.759	VAN11003922	Ah	B
1079543	0	421298.6565	6088796.165	VAN11003922	Ah	B
1079544	0	421249.5792	6088800.218	VAN11003922	Ah	B
1079545	0	421205.0955	6088804.338	VAN11003922	Ah	B
1079551	0	427110.6305	6082540.574	VAN11003560	Ah	B
1079552	0	427098.3396	6082616.16	VAN11003560	Ah	B
1079553	0	427096.2051	6082658.599	VAN11003560	Ah	B
1079554	0	427103.117	6082701.003	VAN11003560	Ah	Ae
1079555	0	427105.6779	6082748.115	VAN11003560	Ah	B
1079556	0	427105.8985	6082810.476	VAN11003560	Ah	N/A
1079557	0	427107.323	6082850.818	VAN11003560	Ah	Ae
1079558	0	427100.9481	6082904.753	VAN11003560	Ah	Ae
1079559	0	427099.0191	6082959.84	VAN11003560	Ah	B

1079560	0	427101.4285	6083014.745	VAN11003560	Ah	B
1079561	0	427103.3053	6083064.502	VAN11003560	Ah	B
1079562	0	427097.2514	6083068.348	VAN11003560	Ah	B
1079563	0	427100.7189	6083094.892	VAN11003560	Ah	N/A
1079564	0	427095.4606	6083143.8	VAN11003560	Ah	N/A
1079565	0	427100.7043	6083191.499	VAN11003560	Ah	B
1079566	0	427103.7556	6083254.334	VAN11003560	Ah	Ae
1079567	0	422745.0763	6087790.582	VAN11003560	Ah	Ae
1079568	0	422742.1979	6087751.231	VAN11003560	Ah	B
1079569	0	422741.7727	6087707.941	VAN11003560	Ah	B
1079570	0	422754.0496	6087642.989	VAN11003560	Ah	Ae
1079571	0	422742.099	6087606.576	VAN11003560	Ah	N/A
1079572	0	422749.8407	6087548.714	VAN11003560	Ah	Ae
1079573	0	422745.0528	6087470.44	VAN11003560	Ah	B
1079574	0	422747.2206	6087392.862	VAN11003560	Ah	N/A
1079575	0	422752.293	6087348.699	VAN11003560	Ah	N/A
1079576	0	422738.0369	6087297.56	VAN11003560	Ah	N/A
1079577	0	422760.1074	6087242.901	VAN11003560	Ah	N/A
1079578	0	422750.4295	6087197.063	VAN11003560	Ah	N/A
1079579	0	422749.2054	6087200.423	VAN11003560	Ah	N/A
1079580	0	422748.0883	6087160.373	VAN11003560	O	N/A
1079581	0	420958.4182	6086353.139	VAN11003560	Ah	N/A
1079582	0	421003.5849	6086354.867	VAN11003560	Ah	B
1079583	0	421049.6233	6086355.133	VAN11003560	Ah	B
1079584	0	421107.3683	6086345.398	VAN11003560	Ah	B
1079585	0	421157.4387	6086350.12	VAN11003560	Ah	B
1079586	0	421224.0112	6086336.782	VAN11003560	Ah	B
1079587	0	421255.7172	6086358.189	VAN11003560	Ah	B
1079588	0	421298.3275	6086359.186	VAN11003560	Ah	N/A
1079589	0	421362.501	6086347.969	VAN11003560	Ah	B
1079590	0	421408.8418	6086350.867	VAN11003560	Ah	N/A
1079591	0	421454.5403	6086363.46	VAN11003560	Ah	Ae
1079592	0	421495.9797	6086358.617	VAN11003560	Ah	Ae
1079593	0	421558.7926	6086342.901	VAN11003560	Ah	Ae
1079594	0	421613.0066	6086352.416	VAN11003560	Ah	Ae
1079595	0	421657.1855	6086353.907	VAN11003560	Ah	B
1079596	0	421658.3593	6086351.364	VAN11003560	Ah	B
1079597	0	421707.8754	6086352.54	VAN11003560	Ah	B
1079598	0	421758.1625	6086355.039	VAN11003560	Ah	N/A
1079599	0	421802.2067	6086353.715	VAN11003560	Ah	Ae
1079600	0	421845.8522	6086350.358	VAN11003560	Ah	B
1079751	0	424794.4379	6090500.255	VAN11003922	Ah	B
1079752	0	424798.174	6090547.31	VAN11003922	Ah	B
1079753	0	424805.0853	6090608.002	VAN11003922	Ah	B
1079754	0	424803.251	6090651.366	VAN11003922	Ah	B
1079755	0	424809.8746	6090707.648	VAN11003922	Ah	B
1079756	0	424803.3003	6090754.802	VAN11003922	Ah	B

1079757	0	424804.4107	6090799.341	VAN11003922	Ah	B
1079758	0	424802.097	6090856.106	VAN11003922	Ah	B
1079759	0	424810.7719	6090898.515	VAN11003922	Ah	B
1079760	0	424803.5744	6090947.942	VAN11003922	Ah	B
1079761	0	424806.1413	6091009.301	VAN11003922	Ah	B
1079762	0	424806.6598	6091004.58	VAN11003922	Ah	B
1079763	0	424794.7331	6091055.868	VAN11003922	Ah	B
1079764	0	424811.5258	6091116.431	VAN11003922	Ah	B
1079765	0	424802.9663	6091181.352	VAN11003922	Ah	B
1079766	0	424801.8563	6091210.606	VAN11003922	Ah	B
1079767	0	424811.4233	6091256.599	VAN11003922	Ah	B
1079768	0	422950.7041	6088790.064	VAN11003922	Ah	B
1079769	0	422901.969	6088792.943	VAN11003922	Ah	B
1079770	0	422851.7699	6088816.252	VAN11003922	Ah	B
1079771	0	422802.1103	6088793.956	VAN11003922	Ah	B
1079772	0	422737.8031	6088800.481	VAN11003922	Ah	B
1079773	0	422741.551	6088799.822	VAN11003922	Ah	B
1079774	0	422697.7919	6088808.85	VAN11003922	Ah	B
1079775	0	422642.6875	6088807.76	VAN11003922	Ah	Ae
1079776	0	422585.212	6088790.573	VAN11003922	Ah	B
1079777	0	422541.4191	6088786.506	VAN11003922	Ah	B
1079778	0	422488.0772	6088804.606	VAN11003922	Ah	Ae
1079779	0	422441.4241	6088793.243	VAN11003922	Ah	B
1079780	0	422390.1551	6088787.935	VAN11003922	Ah	B
1079781	0	422346.0572	6088804.503	VAN11003922	Ah	B
1079782	0	422301.9305	6088820.627	VAN11003922	Ah	B
1079783	0	422251.0328	6088804.703	VAN11003922	Ah	Ae
1079784	0	422196.6007	6088786.985	VAN11003922	Ah	B
1079785	0	422156.1953	6088807.054	VAN11003922	Ah	N/A
1079786	0	422090.1764	6088799.853	VAN11003922	Ah	N/A
1079787	0	422047.7631	6088786.714	VAN11003922	Ah	B
1079788	0	422002.8989	6088805.822	VAN11003922	Ah	Ae
1079789	0	421951.6829	6088803.597	VAN11003922	Ah	B
1079790	0	421904.6328	6088798.962	VAN11003922	Ah	B
1079791	0	421852.6776	6088810.701	VAN11003922	Ah	B
1079792	0	421797.8413	6088796.854	VAN11003922	LFH	B
1079793	0	421741.1511	6088806.525	VAN11003922	Ah	B
1079794	0	421697.2875	6088800.909	VAN11003922	Ah	B
1079795	0	421654.7158	6088789.781	VAN11003922	Ah	Ae
1079796	0	421648.9091	6088792.405	VAN11003922	Ah	Ae
1079797	0	421593.2188	6088801.838	VAN11003922	Ah	B
1079798	0	421541.6543	6088796.804	VAN11003922	Ah	Ae
1079799	0	421497.9428	6088809.664	VAN11003922	Ah	Ae
1079800	0	421435.5447	6088798.291	VAN11003922	Ah	B
1079901	0	422229.9216	6087746.171	VAN11003561	Ah	B
1079902	0	422228.1777	6087683.798	VAN11003561	Ah	C
1079903	0	422241.6955	6087632.921	VAN11003561	Ah	N/A

1079904	0	422255.1896	6087599.148	VAN11003561	O	N/A
1079905	0	422252.0982	6087545.294	VAN11003561	Ah	N/A
1079906	0	422202.1929	6087507.351	VAN11003561	Ah	B
1079907	0	422205.4763	6087441.663	VAN11003561	O	N/A
1079908	0	422199.3594	6087384.634	VAN11003561	Ah	N/A
1079909	0	422209.1191	6087333.859	VAN11003561	O	N/A
1079910	0	422206.0772	6087296.44	VAN11003561	O	N/A
1079911	0	422257.4144	6087249.211	VAN11003561	Ah	N/A
1079912	0	422247.9297	6087195.097	VAN11003561	O	N/A
1079913	0	422252.7983	6087149.304	VAN11003561	O	N/A
1079914	0	422254.0942	6087090.922	VAN11003561	O	N/A
1079915	0	422248.4432	6087005.28	VAN11003561	Ah	B
1079916	0	422251.9475	6086954.725	VAN11003561	Ah	B
1079917	0	422245.8054	6086903.632	VAN11003561	Ah	B
1079918	0	422249.0861	6086893.187	VAN11003561	Ah	B
1079919	0	422251.4825	6086835.416	VAN11003561	Ah	B
1079920	0	422251.3081	6086800.693	VAN11003561	Ah	Ae
1079921	0	422248.8913	6086745.084	VAN11003561	Ah	B
1079922	0	422249.3861	6086681.15	VAN11003561	Ah	N/A
1079923	0	422243.7325	6086655.797	VAN11003561	Ah	B
1079924	0	422248.3953	6086579.585	VAN11003561	Ah	B
1079925	0	422246.5639	6086558.989	VAN11003561	Ah	B
1079926	0	422240.1963	6086496.139	VAN11003561	Ah	B
1079927	0	422245.3119	6086434.946	VAN11003561	Ah	B
1079928	0	422250.6088	6086400.239	VAN11003561	Ah	C
1079929	0	422248.2786	6086340.992	VAN11003561	Ah	B
1079930	0	422245.2512	6086305.65	VAN11003561	Ah	B
1079931	0	422253.1571	6086248.823	VAN11003561	Ah	B
1079932	0	422250.1729	6086199.939	VAN11003561	Ah	B
1079933	0	422253.6289	6086150.238	VAN11003561	Ah	Ae
1079934	0	422255.5316	6086097.225	VAN11003561	Ah	Ae
1079935	0	422242.6363	6086037.568	VAN11003561	Ah	Ae
1079936	0	422250.2876	6085995.623	VAN11003561	Ah	B
1079937	0	422252.451	6085950.248	VAN11003561	Ah	B
1079938	0	422251.2676	6085958.431	VAN11003561	Ah	B
1079939	0	422254.4041	6085908.773	VAN11003561	Ah	B
1079940	0	422247.3934	6085818.702	VAN11003561	Ah	B
1079941	0	422251.3834	6085793.627	VAN11003561	Ah	Ae
1079942	0	422252.2559	6085742.821	VAN11003561	Ah	B
1079943	0	422255.4262	6085698.802	VAN11003561	Ah	Ae
1079944	0	422249.8953	6085644.805	VAN11003561	Ah	B
1079945	0	422253.3871	6085589.724	VAN11003561	Ah	B
1079946	0	422244.6017	6085563.794	VAN11003561	Ah	B
1079947	0	422250.5497	6085498.728	VAN11003561	Ah	B
1079948	0	422261.1313	6085445.713	VAN11003561	Ah	B
1079949	0	422254.617	6085394.181	VAN11003561	Ah	B
1079950	0	422248.9672	6085355.546	VAN11003561	Ah	Ae

1079951	0	427512.8594	6083293.568	VAN11003561	Ah	B
1079952	0	427545.067	6083289.747	VAN11003561	Ah	B
1079953	0	427599.6704	6083302.222	VAN11003561	Ah	B
1079954	0	427659.9556	6083283.777	VAN11003561	Ah	Ae
1079955	0	427710.9251	6083299.02	VAN11003561	Ah	Ae
1079956	0	427753.9374	6083308.827	VAN11003561	Ah	Ae
1079957	0	427801.1269	6083295.158	VAN11003561	Ah	B
1079958	0	427804.8843	6083296.099	VAN11003561	Ah	B
1079959	0	427848.9965	6083299.842	VAN11003561	Ah	B
1079960	0	427902.6302	6083310.593	VAN11003561	Ah	Ae
1079961	0	427959.5738	6083301.073	VAN11003561	Ah	B
1079962	0	428003.7653	6083301.774	VAN11003561	Ah	N/A
1079963	0	427101.5036	6083335.619	VAN11003561	Ah	B
1079964	0	427103.1167	6083412.611	VAN11003561	Ah	Ae
1079965	0	427108.7648	6083458.894	VAN11003561	Ah	Ae
1079966	0	427101.595	6083508.576	VAN11003561	Ah	Ae
1079967	0	427096.1871	6083546.913	VAN11003561	Ah	B
1079968	0	427117.4512	6083608.079	VAN11003561	Ah	N/A
1079969	0	427103.2714	6083646.114	VAN11003561	Ah	B
1079970	0	427090.9228	6083708.679	VAN11003561	Ah	B
1079971	0	427101.7803	6083755.805	VAN11003561	LFH	B
1079972	0	427107.4083	6083803.498	VAN11003561	Ah	Ae
1079973	0	427099.9944	6083871.028	VAN11003561	Ah	B
1079974	0	427107.0278	6083870.951	VAN11003561	Ah	B
1079975	0	427101.9678	6083904.349	VAN11003561	Ah	Ae
1079976	0	427100.5485	6083948.632	VAN11003561	Ah	Ae
1079977	0	427093.2676	6084013.786	VAN11003561	Ah	Ae
1079978	0	427096.7485	6084062.256	VAN11003561	Ah	B
1079979	0	427111.1292	6084111.773	VAN11003561	Ah	B
1079980	0	427100.0955	6084195.983	VAN11003561	Ah	B
1079981	0	427099.4107	6084252.571	VAN11003561	Ah	Ae
1079982	0	427103	6084304	VAN11003561	Ah	B
1079983	0	427089.9532	6084364.023	VAN11003561	Ah	Ae
1079984	0	427102.5265	6084398.396	VAN11003561	Ah	Ae
1079985	0	427098.6373	6084453.812	VAN11003561	Ah	Ae
1079986	0	427105.116	6084511.805	VAN11003561	Ah	Ae
1079987	0	427102.8392	6084555.917	VAN11003561	Ah	Ae
1079988	0	427100.2729	6084616.431	VAN11003561	Ah	N/A
1079989	0	427101.9348	6084655.581	VAN11003561	Ah	Ae
1079990	0	427101.7505	6084708.748	VAN11003561	Ah	Ae
1079991	0	427107.9749	6084769.527	VAN11003561	Ah	Ae
1079992	0	427112.7806	6084756.094	VAN11003561	Ah	Ae
1079993	0	427105.8225	6082169.063	VAN11003561	Ah	N/A
1079994	0	427096	6082206	VAN11003561	Ah	B
1079995	0	427101.0151	6082268.271	VAN11003561	Ah	B
1079996	0	427108.164	6082314.715	VAN11003561	Ah	Ae
1079997	0	427107.7889	6082358.832	VAN11003561	Ah	N/A

1079998	0	427108.4167	6082406.755	VAN11003561	Ah	B
1079999	0	427101.5224	6082457.73	VAN11003561	Ah	Ae
1080000	0	427100.32	6082504.903	VAN11003561	Ah	Ae
1080165	0	426347.8847	6084133.094	VAN11003561	Ah	Ae
1080166	0	426398.2401	6084146.366	VAN11003561	Ah	Ae
1080167	0	426467.9208	6084143.814	VAN11003561	Ah	B
1080168	0	426502.5196	6084142.803	VAN11003561	Ah	B
1080169	0	426550.5265	6084160.233	VAN11003561	Ah	B
1080170	0	426561.4144	6084152.709	VAN11003561	Ah	B
1080171	0	426608.779	6084150.488	VAN11003561	Ah	B
1080172	0	426651.873	6084147.298	VAN11003561	Ah	B
1080173	0	426695.0503	6084138.728	VAN11003561	Ah	B
1080174	0	426743.3306	6084140.203	VAN11003561	Ah	B
1080175	0	426793.858	6084143.126	VAN11003561	Ah	B
1080176	0	426850.1837	6084151.558	VAN11003561	Ah	N/A
1080177	0	426914.0745	6084163.725	VAN11003561	Ah	C
1080178	0	426953.5001	6084157.147	VAN11003561	LFH	C
1080179	0	427002.6909	6084142.324	VAN11003561	Ah	B
1080180	0	427049.447	6084167.125	VAN11003561	Ah	B
1080181	0	427105.1393	6084151.084	VAN11003561	Ah	B
1080182	0	427157.4461	6084150.384	VAN11003561	Ah	B
1080183	0	427205.9198	6084141.399	VAN11003561	Ah	B
1080184	0	427261.079	6084146.515	VAN11003561	Ah	B
1080185	0	427307.9899	6084149.28	VAN11003561	Ah	B
1080186	0	427309.7704	6084148.324	VAN11003561	Ah	B
1080187	0	427351.4546	6084151.804	VAN11003561	Ah	B
1080188	0	427403.4967	6084151.927	VAN11003561	Ah	B
1080189	0	427458.426	6084146.81	VAN11003561	Ah	B
1080190	0	427504.9237	6084155.779	VAN11003561	Ah	B
1080191	0	427571.6902	6084166.091	VAN11003561	Ah	B
1080192	0	427604.469	6084164.932	VAN11003561	Ah	B
1080193	0	427656.0978	6084155.344	VAN11003561	Ah	B
1080194	0	427711.0258	6084147.485	VAN11003561	Ah	B
1080195	0	427736.9376	6084147.402	VAN11003561	Ah	Ae
1080196	0	427801.0174	6084156.87	VAN11003561	Ah	B
1080197	0	427853.2117	6084143.863	VAN11003561	Ah	N/A
1080198	0	427899.615	6084157.661	VAN11003561	Ah	N/A
1080199	0	427960.8115	6084147.366	VAN11003561	Ah	B
1080200	0	428000.2157	6084155.379	VAN11003561	Ah	B
1080351	0	426564.2705	6083324.41	VAN11003561	Ah	B
1080352	0	426604.4078	6083304.685	VAN11003561	Ah	Ae
1080353	0	426653.5267	6083309.819	VAN11003561	Ah	B
1080354	0	426708.2801	6083299.873	VAN11003561	Ah	B
1080355	0	426752.5842	6083302.192	VAN11003561	Ah	N/A
1080356	0	426800.6713	6083292.578	VAN11003561	Ah	B
1080357	0	426865.7617	6083292.297	VAN11003561	Ah	B
1080358	0	426905.5671	6083303.336	VAN11003561	Ah	B

1080359	0	426908.997	6083303.234	VAN11003561	Ah	B
1080360	0	426952.0923	6083301.54	VAN11003561	LFH	B
1080361	0	427005.9851	6083303.075	VAN11003561	Ah	N/A
1080362	0	427073.8846	6083301.972	VAN11003561	Ah	B
1080363	0	427114.8879	6083305.165	VAN11003561	Ah	B
1080364	0	427157.8085	6083301.315	VAN11003561	Ah	Ae
1080365	0	427197.6032	6083286.684	VAN11003561	Ah	Ae
1080366	0	427254.8306	6083301.338	VAN11003561	Ah	B
1080367	0	427300.8764	6083295.028	VAN11003561	Ah	B
1080368	0	427346.9557	6083297.399	VAN11003561	Ah	N/A
1080369	0	427407.2778	6083293.196	VAN11003561	Ah	N/A
1080370	0	427453.1548	6083305.551	VAN11003561	Ah	B
1080371	0	426487.9643	6083314.9	VAN11003561	Ah	B
1080372	0	426457.9832	6083301.849	VAN11003561	Ah	B
1080373	0	426388.037	6083298.135	VAN11003561	Ah	N/A
1080374	0	426342.3235	6083303.781	VAN11003561	Ah	C
1080375	0	426298.3106	6083299.68	VAN11003561	Ah	B
1080376	0	426253.6864	6083301.34	VAN11003561	Ah	B
1080377	0	426191.2971	6083300.733	VAN11003561	Ah	B
1080378	0	426152.3553	6083312.428	VAN11003561	Ah	C
1080379	0	426097.7742	6083315.886	VAN11003561	Ah	B
1080380	0	426047.7756	6083309.326	VAN11003561	Ah	Ae
1080381	0	426006.0762	6083295.099	VAN11003561	Ah	B
1080382	0	425944.4688	6083309.507	VAN11003561	Ah	Ae
1080383	0	425894.6414	6083300.386	VAN11003561	Ah	Ae
1080384	0	425852.7797	6083307.458	VAN11003561	Ah	B
1080385	0	425857.7195	6083307.451	VAN11003561	Ah	B
1080386	0	425796.2052	6083302.864	VAN11003561	Ah	B
1080387	0	425743.9046	6083300.687	VAN11003561	Ah	B
1080388	0	425692.6676	6083300.755	VAN11003561	Ah	B
1080389	0	426200.3036	6084135.034	VAN11003561	Ah	B
1080390	0	426145.8269	6084152.031	VAN11003561	Ah	B
1080391	0	426089.4856	6084153.144	VAN11003561	Ah	Ae
1080392	0	426050.042	6084135.206	VAN11003561	Ah	B
1080393	0	425991.7813	6084157.387	VAN11003561	Ah	B
1080394	0	425953.8854	6084155.526	VAN11003561	Ah	B
1080395	0	425906.1597	6084164.364	VAN11003561	Ah	C
1080396	0	425862.2242	6084145.055	VAN11003561	Ah	N/A
1080397	0	425783.6153	6084152.03	VAN11003561	Ah	C
1080398	0	425751.2665	6084144.292	VAN11003561	Ah	B
1080399	0	425688.3279	6084165.367	VAN11003561	Ah	B
1080400	0	426296.3497	6084188.661	VAN11003561	Ah	B
1080401	0	422699.3984	6086559.215	VAN11003561	Ah	B
1080402	0	422351.6921	6086559.506	VAN11003561	Ah	B
1080403	0	422349.4395	6086566.408	VAN11003559	Ah	B
1080404	0	422403.258	6086559.504	VAN11003561	Ah	N/A
1080405	0	422402.4233	6086556.959	VAN11003559	Ah	N/A

1080406	0	422458.5782	6086550.46	VAN11003561	Ah	B
1080407	0	422455.8204	6086546.686	VAN11003559	Ah	B
1080408	0	422512.5792	6086552.866	VAN11003561	Ah	B
1080409	0	422514.8735	6086549.599	VAN11003559	Ah	B
1080410	0	422555.3437	6086550.569	VAN11003561	Ah	B
1080411	0	422552.8603	6086554.025	VAN11003559	Ah	B
1080412	0	422601.105	6086554.751	VAN11003561	Ah	B
1080413	0	422600.5796	6086556.504	VAN11003559	Ah	B
1080414	0	422653.297	6086532.815	VAN11003561	Ah	B
1080415	0	422651.2165	6086534.854	VAN11003559	Ah	B
1080416	0	422698.8862	6086556.776	VAN11003559	Ah	B
1080417	0	422748.1149	6086565.017	VAN11003561	Ah	Ae
1080418	0	422747.7497	6086557.455	VAN11003559	Ah	Ae
1080419	0	422803.5973	6086551.708	VAN11003561	Ah	B
1080420	0	422796.1125	6086537.738	VAN11003559	Ah	B
1080421	0	422846.5893	6086551.451	VAN11003561	Ah	B
1080422	0	422846.8265	6086547.848	VAN11003559	Ah	B
1080423	0	422890.69	6086549.802	VAN11003561	Ah	B
1080424	0	422895.6035	6086554.689	VAN11003559	Ah	B
1080425	0	422254.182	6085295.019	VAN11003561	Ah	B
1080426	0	422249.1906	6085238.86	VAN11003561	Ah	B
1080427	0	422246.7924	6085197.905	VAN11003561	Ah	C
1080428	0	422303.862	6085058.012	VAN11003561	Ah	B
1080429	0	422300.8265	6085008.609	VAN11003561	Ah	B
1080430	0	422302.3788	6084944.76	VAN11003561	Ah	B
1080431	0	422298.0777	6084900.434	VAN11003560	Ah	Ae
1080432	0	422303.4021	6084898.042	VAN11003560	Ah	Ae
1080433	0	422255.6583	6084843.329	VAN11003560	Ah	Ae
1080434	0	422254.0221	6084804.401	VAN11003560	Ah	B
1080435	0	422249.6165	6084762.331	VAN11003560	Ah	Ae
1080436	0	422256.3324	6084700.776	VAN11003560	Ah	Ae
1080437	0	422265.6583	6084662.772	VAN11003560	Ah	Ae
1080438	0	420614.4092	6084105.209	VAN11003922	Ah	Ae
1080439	0	420664.8661	6084103.724	VAN11003922	Ah	Ae
1080440	0	420706.9243	6084098.863	VAN11003922	Ah	B
1080441	0	420749.4007	6084103.159	VAN11003922	Ah	Ae
1080442	0	420799.1117	6084099.388	VAN11003922	Ah	Ae
1080443	0	420851.4109	6084090.823	VAN11003922	Ah	Ae
1080444	0	420898.8591	6084106.682	VAN11003922	Ah	Ae
1080445	0	420960.7846	6084112.938	VAN11003922	Ah	N/A
1080446	0	421002.8582	6084100.436	VAN11003922	Ah	B
1080447	0	421041.5817	6084107.769	VAN11003922	Ah	B
1080448	0	421105.0092	6084103.389	VAN11003922	Ah	Ae
1080449	0	421103.3182	6084099.635	VAN11003922	Ah	Ae
1080450	0	421155.9607	6084106.947	VAN11003922	Ah	B
1080451	0	421213.0341	6084120.637	VAN11003922	Ah	Ae
1080452	0	421259.8339	6084094.736	VAN11003922	Ah	B

1080453	0	421305.567	6084094.565	VAN11003922	Ah	Ae
1080454	0	421343.2798	6084095.499	VAN11003922	Ah	Ae
1080455	0	421409.6739	6084099.345	VAN11003922	Ah	Ae
1080456	0	421451.8657	6084099.646	VAN11003922	Ah	Ae
1080457	0	421506.2571	6084101.849	VAN11003922	Ah	Ae
1080458	0	421504.7752	6084112.485	VAN11003922	Ah	Ae
1080459	0	421551.5003	6084105.473	VAN11003922	Ah	B
1080460	0	421600.7409	6084080.868	VAN11003922	Ah	N/A
1080461	0	421664.1294	6084115.898	VAN11003922	Ah	C
1080462	0	421708.5161	6084098.614	VAN11003922	Ah	B
1080463	0	421754.7171	6084104.45	VAN11003922	Ah	B
1080464	0	421799.3939	6084107.493	VAN11003922	Ah	B
1080465	0	424249.7325	6084209.55	VAN11003922	Ah	B
1080466	0	424250.7158	6084138.561	VAN11003922	Ah	N/A
1080467	0	424520.2717	6084271.07	VAN11003922	Ah	B
1080468	0	424491.8441	6084155.869	VAN11003922	Ah	B
1080469	0	424498.3795	6084098.217	VAN11003922	Ah	B
1080470	0	424494.3052	6084027.573	VAN11003922	Ah	B
1080471	0	424497.5642	6083982.33	VAN11003922	Ah	B
1080472	0	424497.4046	6083949.944	VAN11003922	Ah	Ae
1080473	0	424493.0915	6083905.793	VAN11003922	Ah	B
1080474	0	424491.9532	6083848.27	VAN11003922	Ah	B
1080475	0	424503.8073	6083801.695	VAN11003922	Ah	B
1080476	0	0	0	VAN11003922	Ah	Ae
1080477	0	424496.0666	6084316.702	VAN11003922	Ah	B
1080478	0	424499.3175	6084306.593	VAN11003922	Ah	B
1080479	0	424497.4681	6084361.904	VAN11003922	Ah	B
1080480	0	424500.915	6084404.14	VAN11003922	Ah	B
1080481	0	424511.076	6084452.793	VAN11003922	Ah	B
1080482	0	424496.068	6084499.866	VAN11003922	Ah	B
1080483	0	424496.7041	6084552.946	VAN11003922	Ah	B
1080484	0	424497.2442	6084623.204	VAN11003922	Ah	B
1080485	0	424510.1389	6084665.356	VAN11003922	Ah	B
1080486	0	424521.9113	6084703.075	VAN11003922	Ah	B
1080487	0	424496.9153	6085002.783	VAN11003922	Ah	Ae
1080488	0	424502.4282	6085053.48	VAN11003922	Ah	Ae
1080489	0	424505.1245	6085113.389	VAN11003922	Ah	Ae
1080490	0	424505.5875	6085158.718	VAN11003922	Ah	Ae
1080491	0	424501.9494	6085214.392	VAN11003922	Ah	B
1080492	0	424497.311	6085258.879	VAN11003922	Ah	Ae
1080493	0	424497.4382	6085256.28	VAN11003922	Ah	Ae
1080494	0	424500.0727	6085303.613	VAN11003922	Ah	Ae
1080495	0	424506.2397	6085357.638	VAN11003922	Ah	Ae
1080496	0	424500.3089	6085400.255	VAN11003922	Ah	Ae
1080497	0	424505.7912	6085475.847	VAN11003922	Ah	B
1080498	0	424498.7901	6085494.219	VAN11003922	Ah	B
1080499	0	424496.8409	6085557.507	VAN11003922	Ah	B

1080500	0	424504.7493	6085605.79	VAN11003922	Ah	B
1080551	0	424512.8069	6085651.511	VAN11003926	LFH	B
1080552	0	424506.1546	6085702.042	VAN11003926	Ah	N/A
1080553	0	424500.2913	6085757.531	VAN11003926	Ah	N/A
1080554	0	425800.3487	6085698.415	VAN11003926	Ah	Ae
1080555	0	425751.4923	6085703.787	VAN11003926	Ah	Ae
1080556	0	425698.886	6085704.694	VAN11003926	Ah	Ae
1080557	0	425650.559	6085703.306	VAN11003926	Ah	Ae
1080558	0	425597.3951	6085702.814	VAN11003926	Ah	B
1080559	0	425547.631	6085697.258	VAN11003926	Ah	B
1080560	0	425487.6868	6085675.882	VAN11003926	Ah	Ae
1080561	0	425447.1097	6085698.444	VAN11003926	Ah	Ae
1080562	0	425402.2542	6085706.61	VAN11003926	Ah	B
1080563	0	425399.5128	6085697.269	VAN11003926	Ah	B
1080564	0	425346.0984	6085711.291	VAN11003926	Ah	Ae
1080565	0	425290.2857	6085701.906	VAN11003926	Ah	Ae
1080566	0	425258.5592	6085700.134	VAN11003926	Ah	Ae
1080567	0	425202.7798	6085703.029	VAN11003926	Ah	Ae
1080568	0	425143.6022	6085694.407	VAN11003926	Ah	Ae
1080569	0	425085.0091	6085687.519	VAN11003926	O	N/A
1080570	0	425044.2561	6085716.062	VAN11003926	Ah	B
1080571	0	424994.0254	6085703.1	VAN11003926	Ah	Ae
1080572	0	424947.1914	6085692.604	VAN11003926	Ah	Ae
1080573	0	424901.1021	6085695.972	VAN11003926	Ah	B
1080574	0	424843.8728	6085718.226	VAN11003926	Ah	Ae
1080575	0	424788.9235	6085682.64	VAN11003926	Ah	B
1080576	0	424739.2652	6085700.056	VAN11003926	Ah	N/A
1080577	0	424696.2905	6085704.338	VAN11003926	Ah	N/A
1080578	0	424645.5961	6085703.297	VAN11003926	Ah	N/A
1080579	0	424646.1559	6085704.809	VAN11003926	Ah	N/A
1080580	0	424604.575	6085701.723	VAN11003926	LFH	N/A
1080581	0	424543.6968	6085697.552	VAN11003926	Ah	B
1080583	0	424503.4483	6085796.545	VAN11003926	Ah	N/A
1080584	0	424504.1432	6085849.29	VAN11003926	Ah	N/A
1080586	0	424451.303	6085700.368	VAN11003926	Ah	B
1080587	0	424398.0341	6085713.99	VAN11003926	Ah	B
1080588	0	424347.0517	6085699.675	VAN11003926	Ah	B
1080589	0	424302.2858	6085700.393	VAN11003926	Ah	B
1080590	0	424251.9614	6085717.492	VAN11003926	Ah	B
1080591	0	424200.7352	6085695.095	VAN11003926	Ah	B
1080592	0	424152.2944	6085703.482	VAN11003926	Ah	B
1080593	0	424101.8179	6085698.919	VAN11003926	Ah	B
1080594	0	424105.5869	6085695.553	VAN11003926	Ah	B
1080595	0	424053.5232	6085699.513	VAN11003926	Ah	N/A
1080596	0	423997.2973	6085703.804	VAN11003926	Ah	Ae
1080597	0	423308.4281	6088807.49	VAN11003926	Ah	Ae
1080598	0	423352.774	6088805.248	VAN11003926	Ah	B

1080599	0	423399.7439	6088799.065	VAN11003926	Ah	Ae
1080600	0	423455.3286	6088797.04	VAN11003926	Ah	N/A
1080601	0	423499.2264	6088781.043	VAN11003926	Ah	B
1080602	0	423552.2383	6088800.989	VAN11003926	Ah	Ae
1080603	0	423586.7224	6088804.111	VAN11003926	Ah	B
1080604	0	423646.904	6088806.128	VAN11003926	Ah	B
1080605	0	423705.6181	6088819.82	VAN11003926	Ah	Ae
1080606	0	423755.3258	6088803.801	VAN11003926	Ah	B
1080607	0	423800.5641	6088808.819	VAN11003926	Ah	Ae
1080608	0	423826.8134	6088792.42	VAN11003926	Ah	Ae
1080609	0	423911.3213	6088801.893	VAN11003926	Ah	Ae
1080610	0	423956.2103	6088807.735	VAN11003926	Ah	B
1080611	0	423950.5474	6088811.355	VAN11003926	Ah	B
1080612	0	424004.6761	6088797.786	VAN11003926	Ah	Ae
1080613	0	424052.0502	6088815.423	VAN11003926	Ah	B
1080614	0	424109.2827	6088804.77	VAN11003926	Ah	B
1080615	0	424149.3897	6088804.463	VAN11003926	Ah	B
1080616	0	423203.0766	6088799.536	VAN11003926	Ah	B
1080617	0	423149.7066	6088811.135	VAN11003926	Ah	B
1080618	0	423090.4853	6088816.566	VAN11003926	Ah	Ae
1080619	0	423047.26	6088794.491	VAN11003926	Ah	B
1080620	0	422996.978	6088791.867	VAN11003926	Ah	B
1080621	0	424297.6821	6090502.35	VAN11003926	Ah	B
1080622	0	424290.2262	6090552.636	VAN11003926	Ah	B
1080623	0	424299.391	6090599.71	VAN11003926	Ah	B
1080624	0	424301.913	6090651.683	VAN11003926	Ah	B
1080625	0	424306.2159	6090704.182	VAN11003926	Ah	B
1080626	0	424302.0677	6090744.246	VAN11003926	Ah	B
1080627	0	424295.0637	6090795.972	VAN11003926	Ah	B
1080628	0	424305.6799	6090843.058	VAN11003926	O	N/A
1080629	0	424302.6151	6090851.198	VAN11003926	O	N/A
1080630	0	424295.4977	6090898.733	VAN11003926	Ah	B
1080631	0	424299.0174	6090944.048	VAN11003926	Ah	B
1080632	0	424302.6812	6090995.37	VAN11003926	Ah	B
1080633	0	424304.5993	6091046.982	VAN11003926	O	N/A
1080634	0	424304.6694	6091101.667	VAN11003926	O	N/A
1080635	0	424308.4494	6091148.498	VAN11003926	O	N/A
1080636	0	424312.1687	6091204.383	VAN11003926	Ah	B
1080637	0	424299.1579	6091258.102	VAN11003926	Ah	B
1080638	0	424302.3592	6091303.534	VAN11003926	Ah	B
1080639	0	424307.7867	6091350.597	VAN11003926	Ah	B
1080640	0	424300.1478	6091413.946	VAN11003926	Ah	N/A
1080641	0	424303.723	6091463.823	VAN11003926	Ah	B
1080642	0	424302.9376	6091498.191	VAN11003926	Ah	B
1080643	0	424307.9234	6091558.284	VAN11003926	Ah	B
1080644	0	424303.3722	6091566.857	VAN11003926	Ah	B
1080645	0	424294.0187	6091618.4	VAN11003926	Ah	B

1080646	0	424297.0193	6091654.485	VAN11003926	Ah	Ae
1080647	0	424301.6406	6091708.166	VAN11003926	Ah	Ae
1080648	0	424301.8273	6091755.837	VAN11003926	Ah	Ae
1080649	0	424310.3323	6091800.623	VAN11003926	Ah	B
1080650	0	424307.7746	6091839.992	VAN11003926	Ah	B
1080651	0	421920.5079	6086353.176	VAN11003560	Ah	B
1080652	0	421941.1642	6086352.631	VAN11003560	Ah	B
1080653	0	422004.2004	6086368.119	VAN11003560	Ah	N/A
1080654	0	422063.6257	6086357.849	VAN11003560	Ah	N/A
1080655	0	422106.5882	6086354.543	VAN11003560	Ah	N/A
1080656	0	422150.7681	6086356.113	VAN11003560	Ah	B
1080657	0	422192.6567	6086363.586	VAN11003560	Ah	B
1080658	0	422250.1355	6086344.559	VAN11003560	Ah	Ae
1080659	0	422306.9995	6086360.343	VAN11003560	Ah	N/A
1080660	0	422349.207	6086345.514	VAN11003560	Ah	Ae
1080661	0	422406.5917	6086349.419	VAN11003560	Ah	Ae
1080662	0	422453.918	6086353.758	VAN11003560	Ah	B
1080663	0	422498.3082	6086357.628	VAN11003560	Ah	B
1080664	0	422565.1996	6086352.689	VAN11003560	Ah	N/A
1080665	0	422612.473	6086349.017	VAN11003560	Ah	N/A
1080666	0	422653.9555	6086356.538	VAN11003560	Ah	Ae
1080667	0	422652.9993	6086353.141	VAN11003560	Ah	Ae
1080668	0	422713.1203	6086342.237	VAN11003560	Ah	B
1080669	0	422757.0366	6086362.034	VAN11003560	Ah	B
1080670	0	422800.7158	6086344.476	VAN11003560	Ah	B
1080671	0	422858.4315	6086352.758	VAN11003560	Ah	N/A
1080672	0	422896.3645	6086360.194	VAN11003560	Ah	B
1080673	0	422946.4428	6086355.587	VAN11003560	Ah	B
1080674	0	422997.7351	6086350.737	VAN11003560	Ah	B
1080675	0	423056.973	6086359.33	VAN11003560	Ah	B
1080676	0	423103.3138	6086351.115	VAN11003560	Ah	B
1080677	0	422597.3896	6086746.923	VAN11003560	Ah	B
1080678	0	422603.4965	6086808.59	VAN11003560	Ah	N/A
1080679	0	422535.252	6086851.099	VAN11003560	Ah	N/A
1080680	0	422548.1766	6086906.601	VAN11003560	Ah	N/A
1080681	0	422648.521	6086966.012	VAN11003560	Ah	B
1080682	0	422650.3548	6087021.557	VAN11003560	Ah	B
1080683	0	422647.3621	6087049.991	VAN11003560	Ah	Ae
1080684	0	422605.1368	6087117.946	VAN11003560	Ah	B
1080685	0	422602.9479	6086695.035	VAN11003560	Ah	B
1080686	0	422601.9766	6086664.74	VAN11003560	Ah	N/A
1080687	0	422599.9352	6086602.149	VAN11003560	Ah	B
1080688	0	422755.3337	6086554.839	VAN11003560	Ah	Ae
1080689	0	422756.3546	6086476.353	VAN11003560	Ah	B
1080690	0	422758.2743	6086483.592	VAN11003560	Ah	B
1080691	0	420569.903	6084105.848	VAN11003926	Ah	B
1080692	0	420501.9083	6084092.582	VAN11003926	Ah	Ae

1080693	0	420398.0335	6084040.699	VAN11003926	Ah	B
1080695	0	420281.5329	6084059.462	VAN11003926	Ah	B
1080696	0	420239.0011	6084061.738	VAN11003926	Ah	B
1080697	0	420193.4003	6084070.599	VAN11003926	Ah	B
1080698	0	420154.6798	6084033.481	VAN11003926	Ah	C
1080699	0	420099.1273	6084026.233	VAN11003926	Ah	N/A
1080700	0	420033.2412	6084049.889	VAN11003926	Ah	B
1079508	0	428362.0453	6084161.389	<Null>	Ah	B
1080585	0	424500.2732	6085907.639	<Null>	Ah	N/A
1080694	0	420320.7017	6084068.895	<Null>	Ah	B

Sample Number	UTM Easting	UTM Northing	pH	Acidified pH
1079501	428051.80	6084149.39	0.00	0.00
1079502	428108.91	6084152.67	4.00	3.88
1079503	428147.81	6084150.60	4.20	3.93
1079504	428203.90	6084157.72	4.27	3.99
1079505	428252.91	6084154.15	4.35	4.12
1079506	428299.49	6084155.00	4.46	4.26
1079507	428355.44	6084156.37	4.50	4.23
1079508	428362.05	6084161.39	4.64	4.30
1079509	428402.67	6084149.39	4.67	4.37
1079510	428452.47	6084150.97	4.81	4.53
1079511	428501.44	6084161.24	4.37	4.10
1079519	424305.26	6091887.12	4.26	4.04
1079520	424296.57	6091948.89	4.00	3.79
1079521	424302.95	6091996.56	3.91	3.69
1079522	424356.32	6092056.84	3.90	3.75
1079523	424347.72	6092113.27	4.09	3.90
1079524	424802.07	6092203.79	3.99	3.80
1079525	424803.94	6092109.30	4.53	4.23
1079526	424796.09	6091308.28	4.64	4.33
1079527	424799.76	6091354.29	5.03	4.62
1079528	424813.44	6091384.26	4.81	4.48
1079529	424805.41	6091432.22	4.53	4.35
1079530	424797.87	6091447.75	4.85	4.59
1079531	424799.72	6091494.31	4.47	4.21
1079532	424805.27	6091553.69	4.60	4.35
1079533	424799.45	6091578.65	4.45	4.16
1079534	424806.20	6091660.38	4.20	3.99
1079535	424802.60	6091707.30	4.29	4.03
1079536	424795.22	6091797.87	4.32	4.08
1079537	424790.91	6091868.29	4.32	4.10
1079538	424803.65	6091902.54	3.98	3.77
1079539	424796.92	6091955.52	3.99	3.80
1079540	424797.61	6092023.37	4.85	4.42
1079541	421397.41	6088802.89	4.80	4.60
1079542	421357.24	6088790.76	5.65	5.27
1079543	421298.66	6088796.17	5.03	4.79
1079544	421249.58	6088800.22	4.84	4.45
1079545	421205.10	6088804.34	4.37	4.10
1079551	427110.63	6082540.57	5.02	4.73
1079552	427098.34	6082616.16	5.77	5.04
1079553	427096.21	6082658.60	4.95	4.58
1079554	427103.12	6082701.00	4.23	4.07
1079555	427105.68	6082748.12	4.79	4.35
1079556	427105.90	6082810.48	0.00	0.00
1079557	427107.32	6082850.82	5.03	4.52
1079558	427100.95	6082904.75	5.57	4.84

Sample Number	UTM Easting	UTM Northing	pH	Acidified pH
1079559	427099.02	6082959.84	5.27	4.70
1079560	427101.43	6083014.75	4.96	4.51
1079561	427103.31	6083064.50	4.83	4.34
1079562	427097.25	6083068.35	4.59	4.21
1079563	427100.72	6083094.89	0.00	0.00
1079564	427095.46	6083143.80	0.00	0.00
1079565	427100.70	6083191.50	4.67	4.17
1079566	427103.76	6083254.33	4.28	3.98
1079567	422745.08	6087790.58	4.11	3.91
1079568	422742.20	6087751.23	4.77	4.33
1079569	422741.77	6087707.94	4.24	4.05
1079570	422754.05	6087642.99	4.32	4.06
1079571	422742.10	6087606.58	0.00	0.00
1079572	422749.84	6087548.71	4.69	4.33
1079573	422745.05	6087470.44	5.83	5.39
1079574	422747.22	6087392.86	0.00	0.00
1079575	422752.29	6087348.70	0.00	0.00
1079576	422738.04	6087297.56	0.00	0.00
1079577	422760.11	6087242.90	0.00	0.00
1079578	422750.43	6087197.06	0.00	0.00
1079579	422749.21	6087200.42	0.00	0.00
1079580	422748.09	6087160.37	0.00	0.00
1079581	420958.42	6086353.14	0.00	0.00
1079582	421003.58	6086354.87	5.74	5.06
1079583	421049.62	6086355.13	5.52	5.04
1079584	421107.37	6086345.40	5.49	4.99
1079585	421157.44	6086350.12	5.53	5.10
1079586	421224.01	6086336.78	5.08	4.52
1079587	421255.72	6086358.19	0.00	0.00
1079588	421298.33	6086359.19	5.94	5.34
1079589	421362.50	6086347.97	5.94	5.57
1079590	421408.84	6086350.87	0.00	0.00
1079591	421454.54	6086363.46	4.88	4.51
1079592	421495.98	6086358.62	4.20	4.04
1079593	421558.79	6086342.90	4.82	4.53
1079594	421613.01	6086352.42	4.56	4.16
1079595	421657.19	6086353.91	5.16	4.72
1079596	421658.36	6086351.36	4.66	4.27
1079597	421707.88	6086352.54	4.94	4.47
1079598	421758.16	6086355.04	0.00	0.00
1079599	421802.21	6086353.72	4.66	4.27
1079600	421845.85	6086350.36	4.76	4.34
1079751	424794.44	6090500.26	5.05	4.70
1079752	424798.17	6090547.31	4.86	4.45
1079753	424805.09	6090608.00	5.33	5.01
1079754	424803.25	6090651.37	4.88	4.51

Sample Number	UTM Easting	UTM Northing	pH	Acidified pH
1079755	424809.87	6090707.65	4.65	4.30
1079756	424803.30	6090754.80	4.81	4.61
1079757	424804.41	6090799.34	4.85	4.61
1079758	424802.10	6090856.11	4.91	4.59
1079759	424810.77	6090898.51	4.69	4.35
1079760	424803.57	6090947.94	4.36	4.12
1079761	424806.14	6091009.30	5.16	4.76
1079762	424806.66	6091004.58	5.13	4.78
1079763	424794.73	6091055.87	4.44	4.16
1079764	424811.53	6091116.43	4.65	4.42
1079765	424802.97	6091181.35	5.53	5.13
1079766	424801.86	6091210.61	5.02	4.79
1079767	424811.42	6091256.60	5.40	4.87
1079768	422950.70	6088790.06	5.26	4.77
1079769	422901.97	6088792.94	4.60	4.31
1079770	422851.77	6088816.25	5.36	4.98
1079771	422802.11	6088793.96	4.96	4.74
1079772	422737.80	6088800.48	5.09	4.75
1079773	422741.55	6088799.82	5.00	4.66
1079774	422697.79	6088808.85	5.10	4.71
1079775	422642.69	6088807.76	4.46	4.20
1079776	422585.21	6088790.57	4.92	4.52
1079777	422541.42	6088786.51	4.89	4.54
1079778	422488.08	6088804.61	4.27	3.99
1079779	422441.42	6088793.24	5.14	4.85
1079780	422390.16	6088787.93	5.39	4.95
1079781	422346.06	6088804.50	4.67	4.50
1079782	422301.93	6088820.63	0.00	0.00
1079783	422251.03	6088804.70	0.00	0.00
1079784	422196.60	6088786.99	4.64	4.34
1079785	422156.20	6088807.05	0.00	0.00
1079786	422090.18	6088799.85	0.00	0.00
1079787	422047.76	6088786.71	5.11	4.87
1079788	422002.90	6088805.82	3.92	3.72
1079789	421951.68	6088803.60	5.05	4.86
1079790	421904.63	6088798.96	4.92	4.66
1079791	421852.68	6088810.70	5.85	5.58
1079792	421797.84	6088796.85	4.88	4.58
1079793	421741.15	6088806.52	4.20	3.99
1079794	421697.29	6088800.91	4.07	3.90
1079795	421654.72	6088789.78	4.34	4.05
1079796	421648.91	6088792.41	4.44	4.21
1079797	421593.22	6088801.84	4.92	4.65
1079798	421541.65	6088796.80	4.02	3.83
1079799	421497.94	6088809.66	4.22	4.00
1079800	421435.54	6088798.29	4.61	4.38

Sample Number	UTM Easting	UTM Northing	pH	Acidified pH
1079901	422229.92	6087746.17	5.77	5.28
1079902	422228.18	6087683.80	6.06	5.73
1079903	422241.70	6087632.92	0.00	0.00
1079904	422255.19	6087599.15	0.00	0.00
1079905	422252.10	6087545.29	0.00	0.00
1079906	422202.19	6087507.35	5.06	4.63
1079907	422205.48	6087441.66	0.00	0.00
1079908	422199.36	6087384.63	0.00	0.00
1079909	422209.12	6087333.86	0.00	0.00
1079910	422206.08	6087296.44	0.00	0.00
1079911	422257.41	6087249.21	0.00	0.00
1079912	422247.93	6087195.10	0.00	0.00
1079913	422252.80	6087149.30	0.00	0.00
1079914	422254.09	6087090.92	0.00	0.00
1079915	422248.44	6087005.28	4.26	4.10
1079916	422251.95	6086954.72	4.68	4.31
1079917	422245.81	6086903.63	5.22	4.74
1079918	422249.09	6086893.19	5.29	4.76
1079919	422251.48	6086835.42	4.73	4.39
1079920	422251.31	6086800.69	4.35	4.05
1079921	422248.89	6086745.08	4.84	4.60
1079922	422249.39	6086681.15	0.00	0.00
1079923	422243.73	6086655.80	5.38	4.90
1079924	422248.40	6086579.59	4.66	4.45
1079925	422246.56	6086558.99	5.26	4.91
1079926	422240.20	6086496.14	4.40	4.17
1079927	422245.31	6086434.95	4.41	4.16
1079928	422250.61	6086400.24	5.86	5.53
1079929	422248.28	6086340.99	4.26	4.01
1079930	422245.25	6086305.65	4.96	4.61
1079931	422253.16	6086248.82	4.52	4.23
1079932	422250.17	6086199.94	4.41	4.18
1079933	422253.63	6086150.24	4.28	4.08
1079934	422255.53	6086097.23	4.47	4.22
1079935	422242.64	6086037.57	4.72	4.39
1079936	422250.29	6085995.62	4.85	4.43
1079937	422252.45	6085950.25	5.29	4.74
1079938	422251.27	6085958.43	5.10	4.58
1079939	422254.40	6085908.77	5.27	4.88
1079940	422247.39	6085818.70	5.54	5.04
1079941	422251.38	6085793.63	4.81	4.43
1079942	422252.26	6085742.82	5.37	5.18
1079943	422255.43	6085698.80	4.83	4.43
1079944	422249.90	6085644.80	5.86	5.45
1079945	422253.39	6085589.72	5.85	5.12
1079946	422244.60	6085563.79	5.87	5.07

Sample Number	UTM Easting	UTM Northing	pH	Acidified pH
1079947	422250.55	6085498.73	6.02	5.50
1079948	422261.13	6085445.71	6.42	5.43
1079949	422254.62	6085394.18	5.62	4.86
1079950	422248.97	6085355.55	4.91	4.41
1079951	427512.86	6083293.57	4.67	4.41
1079952	427545.07	6083289.75	5.19	4.88
1079953	427599.67	6083302.22	4.79	4.42
1079954	427659.96	6083283.78	4.02	3.83
1079955	427710.93	6083299.02	3.86	3.72
1079956	427753.94	6083308.83	4.08	3.85
1079957	427801.13	6083295.16	5.01	4.65
1079958	427804.88	6083296.10	4.88	4.52
1079959	427849.00	6083299.84	5.04	4.46
1079960	427902.63	6083310.59	4.59	4.22
1079961	427959.57	6083301.07	5.62	5.19
1079962	428003.77	6083301.77	0.00	0.00
1079963	427101.50	6083335.62	4.70	4.37
1079964	427103.12	6083412.61	4.37	4.12
1079965	427108.76	6083458.89	4.56	4.16
1079966	427101.60	6083508.58	4.19	3.98
1079967	427096.19	6083546.91	5.46	5.10
1079968	427117.45	6083608.08	0.00	0.00
1079969	427103.27	6083646.11	5.27	4.70
1079970	427090.92	6083708.68	4.91	4.38
1079971	427101.78	6083755.80	5.23	4.56
1079972	427107.41	6083803.50	5.08	4.56
1079973	427099.99	6083871.03	4.96	4.53
1079974	427107.03	6083870.95	5.25	4.72
1079975	427101.97	6083904.35	4.69	4.36
1079976	427100.55	6083948.63	4.75	4.25
1079977	427093.27	6084013.79	4.50	4.20
1079978	427096.75	6084062.26	5.56	4.92
1079979	427111.13	6084111.77	4.94	4.41
1079980	427100.10	6084195.98	6.23	5.51
1079981	427099.41	6084252.57	5.72	4.85
1079982	427103.00	6084304.00	4.46	4.14
1079983	427089.95	6084364.02	4.94	4.58
1079984	427102.53	6084398.40	4.96	4.50
1079985	427098.64	6084453.81	4.02	3.83
1079986	427105.12	6084511.81	4.60	4.30
1079987	427102.84	6084555.92	0.00	0.00
1079988	427100.27	6084616.43	0.00	0.00
1079989	427101.93	6084655.58	4.29	4.05
1079990	427101.75	6084708.75	3.84	3.68
1079991	427107.97	6084769.53	4.73	4.38
1079992	427112.78	6084756.09	4.76	4.39

Sample Number	UTM Easting	UTM Northing	pH	Acidified pH
1079993	427105.82	6082169.06	0.00	0.00
1079994	427096.00	6082206.00	5.40	4.83
1079995	427101.02	6082268.27	4.28	4.01
1079996	427108.16	6082314.71	3.91	3.78
1079997	427107.79	6082358.83	0.00	0.00
1079998	427108.42	6082406.75	4.46	4.20
1079999	427101.52	6082457.73	4.11	3.93
1080000	427100.32	6082504.90	4.42	4.17
1080165	426347.88	6084133.09	4.51	4.07
1080166	426398.24	6084146.37	4.29	3.94
1080167	426467.92	6084143.81	4.93	4.40
1080168	426502.52	6084142.80	4.15	4.00
1080169	426550.53	6084160.23	4.46	3.92
1080170	426561.41	6084152.71	4.16	3.89
1080171	426608.78	6084150.49	4.83	4.56
1080172	426651.87	6084147.30	4.40	4.15
1080173	426695.05	6084138.73	4.43	4.16
1080174	426743.33	6084140.20	4.64	4.32
1080175	426793.86	6084143.13	5.16	4.68
1080176	426850.18	6084151.56	0.00	0.00
1080177	426914.07	6084163.72	5.67	5.16
1080178	426953.50	6084157.15	5.38	4.91
1080179	427002.69	6084142.32	4.57	4.25
1080180	427049.45	6084167.13	4.58	4.24
1080181	427105.14	6084151.08	5.68	5.27
1080182	427157.45	6084150.38	6.06	5.48
1080183	427205.92	6084141.40	5.79	5.28
1080184	427261.08	6084146.52	5.30	4.78
1080185	427307.99	6084149.28	5.52	5.09
1080186	427309.77	6084148.32	5.71	5.24
1080187	427351.45	6084151.80	4.93	4.60
1080188	427403.50	6084151.93	4.74	4.44
1080189	427458.43	6084146.81	5.33	4.94
1080190	427504.92	6084155.78	4.97	4.59
1080191	427571.69	6084166.09	4.46	4.18
1080192	427604.47	6084164.93	5.57	5.10
1080193	427656.10	6084155.34	4.85	4.57
1080194	427711.03	6084147.49	4.87	4.45
1080195	427736.94	6084147.40	4.92	4.52
1080196	427801.02	6084156.87	5.36	4.91
1080197	427853.21	6084143.86	0.00	0.00
1080198	427899.62	6084157.66	0.00	0.00
1080199	427960.81	6084147.37	3.99	3.79
1080200	428000.22	6084155.38	4.30	4.14
1080351	426564.27	6083324.41	5.20	4.86
1080352	426604.41	6083304.69	4.50	4.28

Sample Number	UTM Easting	UTM Northing	pH	Acidified pH
1080353	426653.53	6083309.82	4.75	4.53
1080354	426708.28	6083299.87	4.80	4.44
1080355	426752.58	6083302.19	0.00	0.00
1080356	426800.67	6083292.58	5.28	4.91
1080357	426865.76	6083292.30	4.92	4.58
1080358	426905.57	6083303.34	4.97	4.53
1080359	426909.00	6083303.23	4.63	4.34
1080360	426952.09	6083301.54	4.24	4.06
1080361	427005.99	6083303.08	0.00	0.00
1080362	427073.88	6083301.97	3.91	3.76
1080363	427114.89	6083305.17	4.49	4.08
1080364	427157.81	6083301.32	4.00	3.76
1080365	427197.60	6083286.68	4.00	3.74
1080366	427254.83	6083301.34	4.50	4.21
1080367	427300.88	6083295.03	4.31	4.05
1080368	427346.96	6083297.40	0.00	0.00
1080369	427407.28	6083293.20	0.00	0.00
1080370	427453.15	6083305.55	4.75	4.31
1080371	426487.96	6083314.90	5.44	4.93
1080372	426457.98	6083301.85	5.37	4.71
1080373	426388.04	6083298.13	0.00	0.00
1080374	426342.32	6083303.78	5.26	4.69
1080375	426298.31	6083299.68	5.14	4.62
1080376	426253.69	6083301.34	4.47	4.21
1080377	426191.30	6083300.73	5.13	4.84
1080378	426152.36	6083312.43	5.13	4.85
1080379	426097.77	6083315.89	4.57	4.18
1080380	426047.78	6083309.33	4.12	3.95
1080381	426006.08	6083295.10	4.43	4.27
1080382	425944.47	6083309.51	4.73	4.45
1080383	425894.64	6083300.39	4.71	4.45
1080384	425852.78	6083307.46	5.06	4.65
1080385	425857.72	6083307.45	5.14	4.63
1080386	425796.21	6083302.86	5.34	4.84
1080387	425743.90	6083300.69	5.48	4.91
1080388	425692.67	6083300.75	5.17	4.80
1080389	426200.30	6084135.03	4.79	4.54
1080390	426145.83	6084152.03	4.77	4.52
1080391	426089.49	6084153.14	4.22	3.95
1080392	426050.04	6084135.21	4.76	4.44
1080393	425991.78	6084157.39	4.42	4.16
1080394	425953.89	6084155.53	4.56	4.27
1080395	425906.16	6084164.36	4.38	4.19
1080396	425862.22	6084145.06	0.00	0.00
1080397	425783.62	6084152.03	4.83	4.58
1080398	425751.27	6084144.29	5.71	5.40

Sample Number	UTM Easting	UTM Northing	pH	Acidified pH
1080399	425688.33	6084165.37	4.61	4.27
1080400	426296.35	6084188.66	4.87	4.42
1080401	422699.40	6086559.22	5.34	4.84
1080402	422351.69	6086559.51	5.09	4.53
1080403	422349.44	6086566.41	5.09	4.53
1080404	422403.26	6086559.50	0.00	0.00
1080405	422402.42	6086556.96	0.00	0.00
1080406	422458.58	6086550.46	4.97	4.44
1080407	422455.82	6086546.69	4.97	4.44
1080408	422512.58	6086552.87	5.34	4.65
1080409	422514.87	6086549.60	5.34	4.65
1080410	422555.34	6086550.57	5.23	4.81
1080411	422552.86	6086554.03	5.23	4.81
1080412	422601.11	6086554.75	5.10	4.53
1080413	422600.58	6086556.50	5.10	4.53
1080414	422653.30	6086532.82	5.44	4.74
1080415	422651.22	6086534.85	5.44	4.74
1080416	422698.89	6086556.78	0.00	0.00
1080417	422748.11	6086565.02	4.56	4.28
1080418	422747.75	6086557.46	4.56	4.28
1080419	422803.60	6086551.71	5.12	4.54
1080420	422796.11	6086537.74	5.12	4.54
1080421	422846.59	6086551.45	6.04	5.44
1080422	422846.83	6086547.85	6.04	5.44
1080423	422890.69	6086549.80	5.51	5.03
1080424	422895.60	6086554.69	5.51	5.03
1080425	422254.18	6085295.02	5.43	4.82
1080426	422249.19	6085238.86	5.98	5.06
1080427	422246.79	6085197.91	6.00	5.56
1080428	422303.86	6085058.01	4.42	4.14
1080429	422300.83	6085008.61	4.59	4.21
1080430	422302.38	6084944.76	6.02	5.03
1080431	422298.08	6084900.43	5.21	4.62
1080432	422303.40	6084898.04	4.83	4.24
1080433	422255.66	6084843.33	4.82	4.42
1080434	422254.02	6084804.40	4.57	4.12
1080435	422249.62	6084762.33	4.57	4.16
1080436	422256.33	6084700.78	4.70	4.20
1080437	422265.66	6084662.77	4.29	3.98
1080438	420614.41	6084105.21	4.86	4.26
1080439	420664.87	6084103.72	4.95	4.39
1080440	420706.92	6084098.86	4.93	4.35
1080441	420749.40	6084103.16	5.06	4.50
1080442	420799.11	6084099.39	4.54	4.15
1080443	420851.41	6084090.82	4.70	4.36
1080444	420898.86	6084106.68	4.78	4.18

Sample Number	UTM Easting	UTM Northing	pH	Acidified pH
1080445	420960.78	6084112.94	0.00	0.00
1080446	421002.86	6084100.44	4.95	4.51
1080447	421041.58	6084107.77	4.88	4.31
1080448	421105.01	6084103.39	4.88	4.32
1080449	421103.32	6084099.63	4.85	4.37
1080450	421155.96	6084106.95	4.96	4.34
1080451	421213.03	6084120.64	4.91	4.38
1080452	421259.83	6084094.74	4.52	4.11
1080453	421305.57	6084094.56	4.31	4.00
1080454	421343.28	6084095.50	4.01	3.81
1080455	421409.67	6084099.35	4.35	4.08
1080456	421451.87	6084099.65	4.02	3.79
1080457	421506.26	6084101.85	4.13	3.88
1080458	421504.78	6084112.49	3.99	3.78
1080459	421551.50	6084105.47	5.02	4.46
1080460	421600.74	6084080.87	0.00	0.00
1080461	421664.13	6084115.90	4.97	4.30
1080462	421708.52	6084098.61	5.35	4.67
1080463	421754.72	6084104.45	4.46	4.08
1080464	421799.39	6084107.49	4.78	4.27
1080465	424249.73	6084209.55	4.96	4.37
1080466	424250.72	6084138.56	0.00	0.00
1080467	424520.27	6084271.07	5.04	4.52
1080468	424491.84	6084155.87	4.99	4.59
1080469	424498.38	6084098.22	5.25	4.64
1080470	424494.31	6084027.57	5.24	4.66
1080471	424497.56	6083982.33	5.21	4.55
1080472	424497.40	6083949.94	4.38	3.97
1080473	424493.09	6083905.79	5.07	4.55
1080474	424491.95	6083848.27	5.18	4.57
1080475	424503.81	6083801.70	5.24	4.66
1080476	0.00	0.00	0.00	0.00
1080477	424496.07	6084316.70	5.16	4.53
1080478	424499.32	6084306.59	5.44	4.87
1080479	424497.47	6084361.90	4.99	4.58
1080480	424500.92	6084404.14	5.18	4.66
1080481	424511.08	6084452.79	4.79	4.38
1080482	424496.07	6084499.87	4.72	4.37
1080483	424496.70	6084552.95	4.97	4.51
1080484	424497.24	6084623.20	5.06	4.66
1080485	424510.14	6084665.36	4.05	3.84
1080486	424521.91	6084703.07	5.70	5.15
1080487	424496.92	6085002.78	4.88	4.40
1080488	424502.43	6085053.48	4.82	4.43
1080489	424505.12	6085113.39	4.26	4.10
1080490	424505.59	6085158.72	4.60	4.33

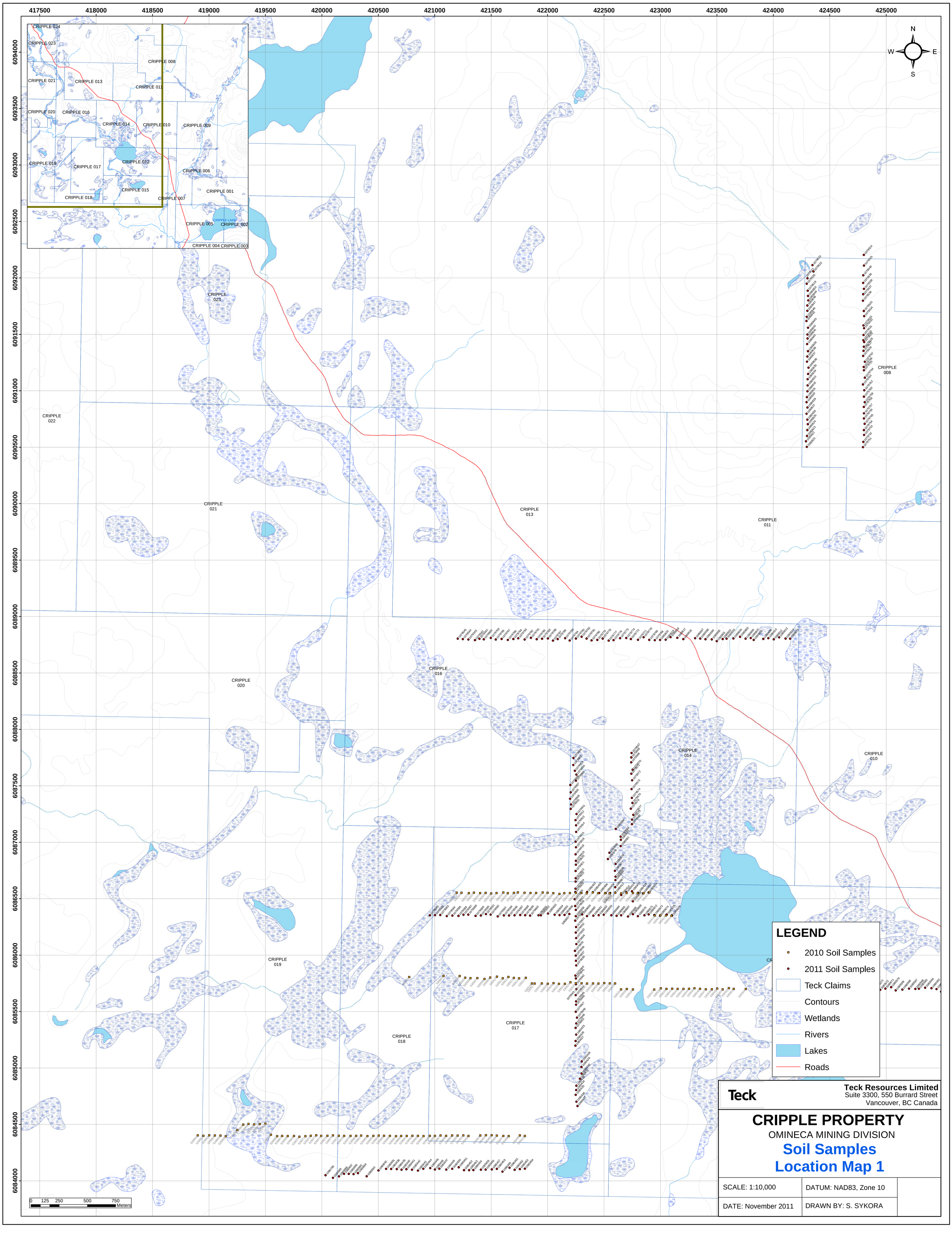
Sample Number	UTM Easting	UTM Northing	pH	Acidified pH
1080491	424501.95	6085214.39	4.50	4.18
1080492	424497.31	6085258.88	4.45	4.16
1080493	424497.44	6085256.28	4.12	3.94
1080494	424500.07	6085303.61	4.02	3.86
1080495	424506.24	6085357.64	5.54	4.90
1080496	424500.31	6085400.26	4.58	4.19
1080497	424505.79	6085475.85	5.03	4.65
1080498	424498.79	6085494.22	4.88	4.46
1080499	424496.84	6085557.51	5.00	4.70
1080500	424504.75	6085605.79	5.25	4.77
1080551	424512.81	6085651.51	4.61	4.31
1080552	424506.15	6085702.04	0.00	0.00
1080553	424500.29	6085757.53	0.00	0.00
1080554	425800.35	6085698.42	4.24	3.96
1080555	425751.49	6085703.79	4.44	4.17
1080556	425698.89	6085704.69	4.14	3.92
1080557	425650.56	6085703.31	4.19	3.98
1080558	425597.40	6085702.81	4.47	4.26
1080559	425547.63	6085697.26	5.49	5.09
1080560	425487.69	6085675.88	4.41	4.25
1080561	425447.11	6085698.44	4.22	3.98
1080562	425402.25	6085706.61	4.78	4.47
1080563	425399.51	6085697.27	4.75	4.51
1080564	425346.10	6085711.29	4.15	3.95
1080565	425290.29	6085701.91	4.35	4.05
1080566	425258.56	6085700.13	4.07	3.84
1080567	425202.78	6085703.03	4.52	4.22
1080568	425143.60	6085694.41	4.80	4.33
1080569	425085.01	6085687.52	0.00	0.00
1080570	425044.26	6085716.06	4.77	4.46
1080571	424994.03	6085703.10	4.71	4.30
1080572	424947.19	6085692.60	4.44	4.19
1080573	424901.10	6085695.97	4.68	4.29
1080574	424843.87	6085718.23	4.67	4.38
1080575	424788.92	6085682.64	5.22	4.86
1080576	424739.27	6085700.06	0.00	0.00
1080577	424696.29	6085704.34	0.00	0.00
1080578	424645.60	6085703.30	0.00	0.00
1080579	424646.16	6085704.81	0.00	0.00
1080580	424604.58	6085701.72	0.00	0.00
1080581	424543.70	6085697.55	4.60	4.24
1080583	424503.45	6085796.54	0.00	0.00
1080584	424504.14	6085849.29	0.00	0.00
1080585	424500.27	6085907.64	0.00	0.00
1080586	424451.30	6085700.37	4.95	4.53
1080587	424398.03	6085713.99	4.18	3.98

Sample Number	UTM Easting	UTM Northing	pH	Acidified pH
1080588	424347.05	6085699.68	4.43	4.20
1080589	424302.29	6085700.39	5.22	4.77
1080590	424251.96	6085717.49	4.83	4.39
1080591	424200.74	6085695.10	4.45	4.11
1080592	424152.29	6085703.48	4.69	4.15
1080593	424101.82	6085698.92	4.90	4.48
1080594	424105.59	6085695.55	4.71	4.27
1080595	424053.52	6085699.51	0.00	0.00
1080596	423997.30	6085703.80	5.05	4.39
1080597	423308.43	6088807.49	4.53	4.22
1080598	423352.77	6088805.25	5.06	4.73
1080599	423399.74	6088799.07	4.87	4.54
1080600	423455.33	6088797.04	0.00	0.00
1080601	423499.23	6088781.04	5.35	4.91
1080602	423552.24	6088800.99	4.69	4.41
1080603	423586.72	6088804.11	4.88	4.58
1080604	423646.90	6088806.13	5.65	5.45
1080605	423705.62	6088819.82	4.15	3.98
1080606	423755.33	6088803.80	4.75	4.37
1080607	423800.56	6088808.82	5.05	4.61
1080608	423826.81	6088792.42	4.62	4.32
1080609	423911.32	6088801.89	4.36	4.14
1080610	423956.21	6088807.73	4.79	4.52
1080611	423950.55	6088811.36	4.78	4.57
1080612	424004.68	6088797.79	4.35	4.07
1080613	424052.05	6088815.42	4.85	4.59
1080614	424109.28	6088804.77	4.94	4.56
1080615	424149.39	6088804.46	5.24	4.88
1080616	423203.08	6088799.54	4.91	4.68
1080617	423149.71	6088811.14	4.53	4.32
1080618	423090.49	6088816.57	4.47	4.24
1080619	423047.26	6088794.49	5.25	4.93
1080620	422996.98	6088791.87	5.01	4.67
1080621	424297.68	6090502.35	4.96	4.64
1080622	424290.23	6090552.64	4.98	4.66
1080623	424299.39	6090599.71	5.11	4.80
1080624	424301.91	6090651.68	4.83	4.57
1080625	424306.22	6090704.18	5.12	4.93
1080626	424302.07	6090744.25	4.57	4.26
1080627	424295.06	6090795.97	4.90	4.58
1080628	424305.68	6090843.06	0.00	0.00
1080629	424302.62	6090851.20	0.00	0.00
1080630	424295.50	6090898.73	4.59	4.36
1080631	424299.02	6090944.05	4.45	4.18
1080632	424302.68	6090995.37	4.47	4.18
1080633	424304.60	6091046.98	0.00	0.00

Sample Number	UTM Easting	UTM Northing	pH	Acidified pH
1080634	424304.67	6091101.67	0.00	0.00
1080635	424308.45	6091148.50	0.00	0.00
1080636	424312.17	6091204.38	5.06	4.84
1080637	424299.16	6091258.10	5.36	5.00
1080638	424302.36	6091303.53	4.61	4.41
1080639	424307.79	6091350.60	4.78	4.46
1080640	424300.15	6091413.95	0.00	0.00
1080641	424303.72	6091463.82	4.27	4.05
1080642	424302.94	6091498.19	4.53	4.21
1080643	424307.92	6091558.28	4.76	4.53
1080644	424303.37	6091566.86	4.65	4.38
1080645	424294.02	6091618.40	4.12	3.94
1080646	424297.02	6091654.49	4.21	4.02
1080647	424301.64	6091708.17	4.11	3.86
1080648	424301.83	6091755.84	4.00	3.82
1080649	424310.33	6091800.62	4.18	3.97
1080650	424307.77	6091839.99	4.00	3.81
1080651	421920.51	6086353.18	5.60	4.86
1080652	421941.16	6086352.63	5.23	4.56
1080653	422004.20	6086368.12	0.00	0.00
1080654	422063.63	6086357.85	0.00	0.00
1080655	422106.59	6086354.54	0.00	0.00
1080656	422150.77	6086356.11	4.96	4.41
1080657	422192.66	6086363.59	5.58	4.74
1080658	422250.14	6086344.56	4.88	4.31
1080659	422307.00	6086360.34	4.13	3.78
1080660	422349.21	6086345.51	0.00	0.00
1080661	422406.59	6086349.42	4.32	4.00
1080662	422453.92	6086353.76	5.82	5.14
1080663	422498.31	6086357.63	5.76	5.01
1080664	422565.20	6086352.69	0.00	0.00
1080665	422612.47	6086349.02	0.00	0.00
1080666	422653.96	6086356.54	4.88	4.25
1080667	422653.00	6086353.14	4.86	4.39
1080668	422713.12	6086342.24	5.10	4.56
1080669	422757.04	6086362.03	5.03	4.40
1080670	422800.72	6086344.48	5.56	4.72
1080671	422858.43	6086352.76	0.00	0.00
1080672	422896.36	6086360.19	5.14	4.47
1080673	422946.44	6086355.59	0.00	0.00
1080674	422997.74	6086350.74	5.52	4.81
1080675	423056.97	6086359.33	4.71	4.24
1080676	423103.31	6086351.12	5.88	4.97
1080677	422597.39	6086746.92	0.00	0.00
1080678	422603.50	6086808.59	0.00	0.00
1080679	422535.25	6086851.10	0.00	0.00

Sample Number	UTM Easting	UTM Northing	pH	Acidified pH
1080680	422548.18	6086906.60	0.00	0.00
1080681	422648.52	6086966.01	5.63	4.96
1080682	422650.35	6087021.56	5.03	4.47
1080683	422647.36	6087049.99	4.95	4.42
1080684	422605.14	6087117.95	5.59	4.92
1080685	422602.95	6086695.03	6.27	5.86
1080686	422601.98	6086664.74	5.51	4.96
1080687	422599.94	6086602.15	4.40	4.14
1080688	422755.33	6086554.84	0.00	0.00
1080689	422756.35	6086476.35	6.35	5.81
1080690	422758.27	6086483.59	6.52	5.48
1080691	420569.90	6084105.85	4.28	4.11
1080692	420501.91	6084092.58	4.26	4.01
1080693	420398.03	6084040.70	4.61	4.15
1080694	420320.70	6084068.89	4.58	4.36
1080695	420281.53	6084059.46	4.78	4.51
1080696	420239.00	6084061.74	4.90	4.51
1080697	420193.40	6084070.60	4.10	3.93
1080698	420154.68	6084033.48	4.47	4.23
1080699	420099.13	6084026.23	0.00	0.00
1080700	420033.24	6084049.89	4.62	4.31

Appendix 6: Soil Geochemistry Maps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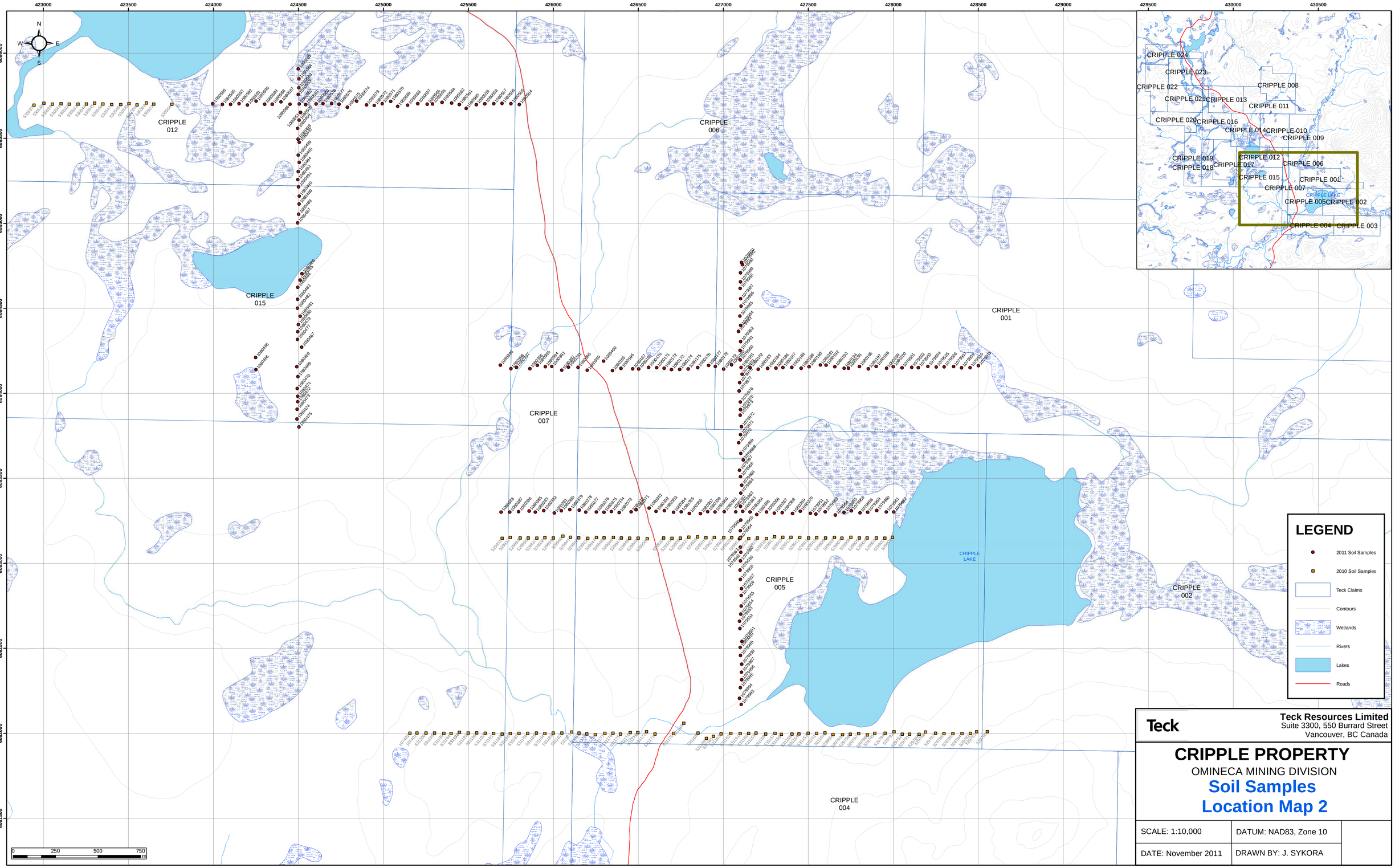
LEGEND
2010 Soil Samples
2011 Soil Samples
Teck Claims
Contours
Wetlands
Rivers
Lakes
Roads
Teck
Teck Resources Limited
Suite 3300, 550 Burrard Street
Vancouver, BC Canada
CRIPPLE PROPERTY
OMINECA MINING DIVISION
Soil Samples
Location Map 1
SCALE: 1:10,000
DATUM: NAD83, Zone 10
DATE: November 2011
DRAWN BY: S. SYKORA



LEGEND

- 2011 Soil Samples
- 2010 Soil Samples
- Teck Claims
- Contours
- Wetlands
- Rivers
- Lakes
- Roads

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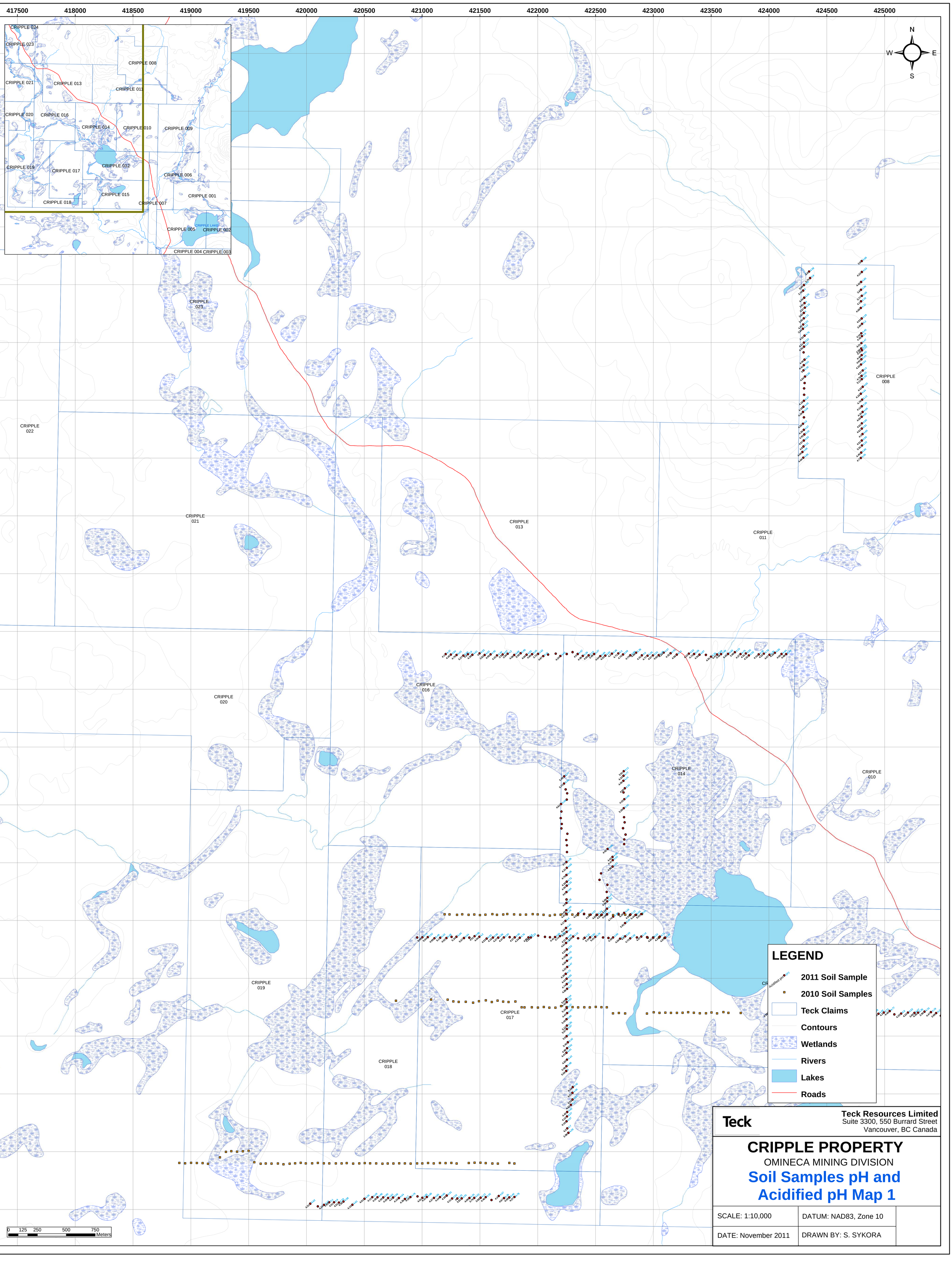
OMINECA MINING DIVISION

Soil Samples
Location Map 2

SCALE: 1:10,000	DATUM: NAD83, Zone 10
DATE: November 2011	DRAWN BY: J. SYKORA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LEGEND
2011 Soil Sample
2010 Soil Samples
Teck Claims
Contours
Wetlands
Rivers
Lakes
Roads
Teck
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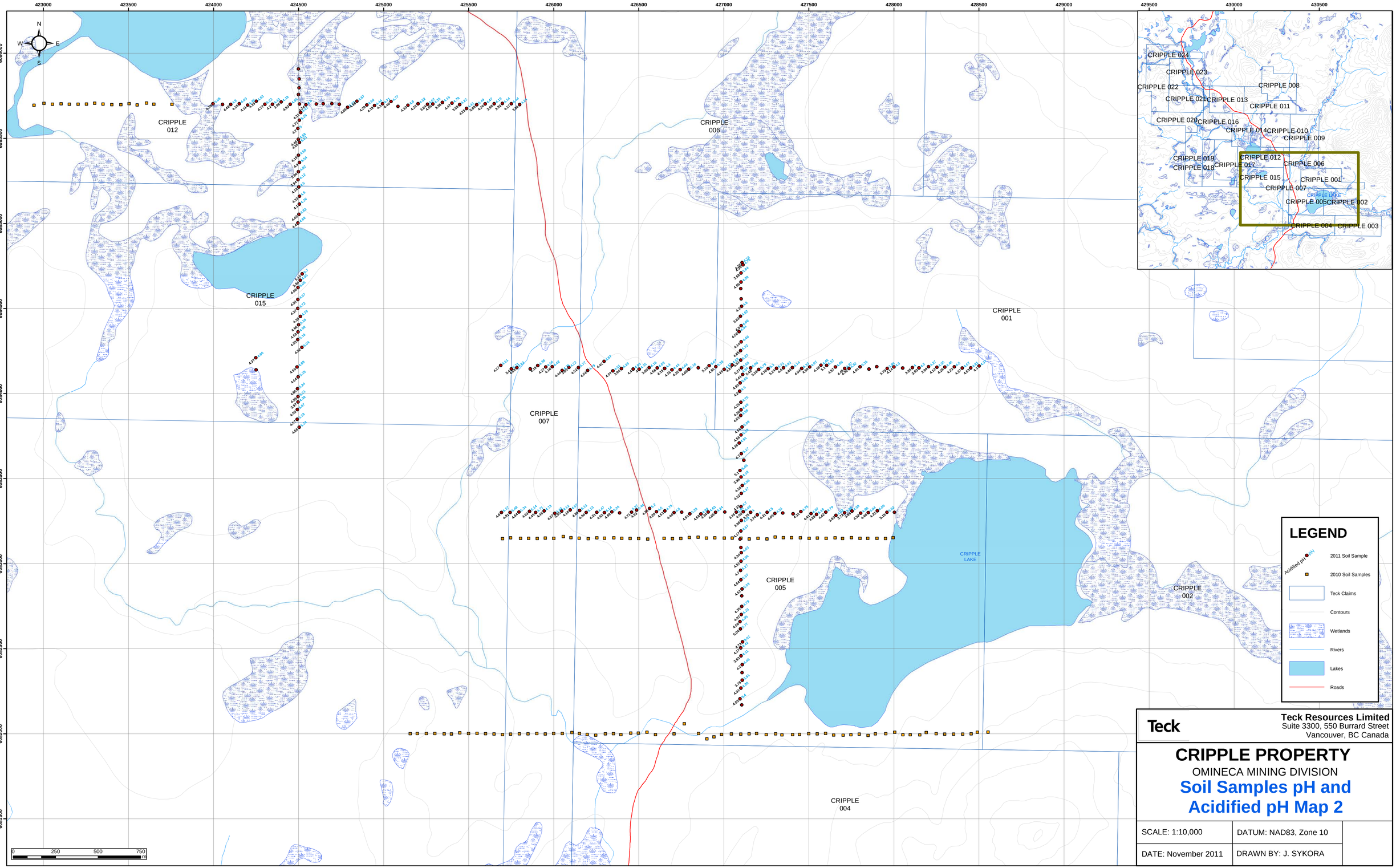
OMINECA MINING DIVISION
Soil Samples pH and Acidified pH Map 1
SCALE: 1:10,000
DATUM: NAD83, Zone 10
DATE: November 2011
DRAWN BY: S. SYKORA



LEGEND

- Acidified pH
- 2011 Soil Sample
- 2010 Soil Samples
- Teck Claims
- Contours
- Wetlands
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- Lakes
- Roads

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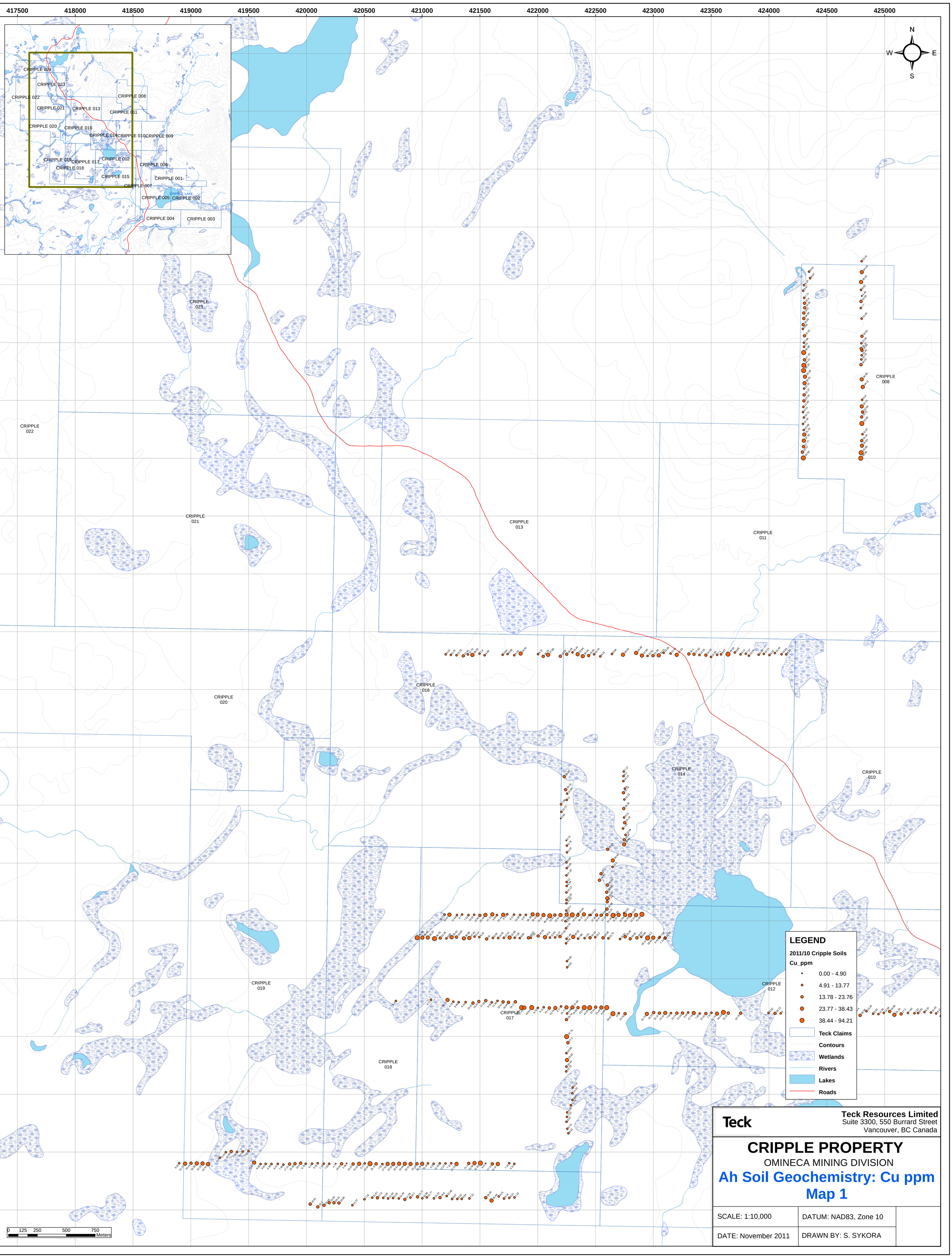
Soil Samples pH and Acidified pH Map 2

SCALE: 1:10,000	DATUM: NAD83, Zone 10
DATE: November 2011	DRAWN BY: J. SYKORA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LEGEND
2011/10 Cripple Soils
Cu_ppm
0.00 - 4.90
4.91 - 13.77
13.78 - 23.76
23.77 - 38.43
38.44 - 94.21
Teck Claims
Contours
Wetlands
Rivers
Lakes
Roads
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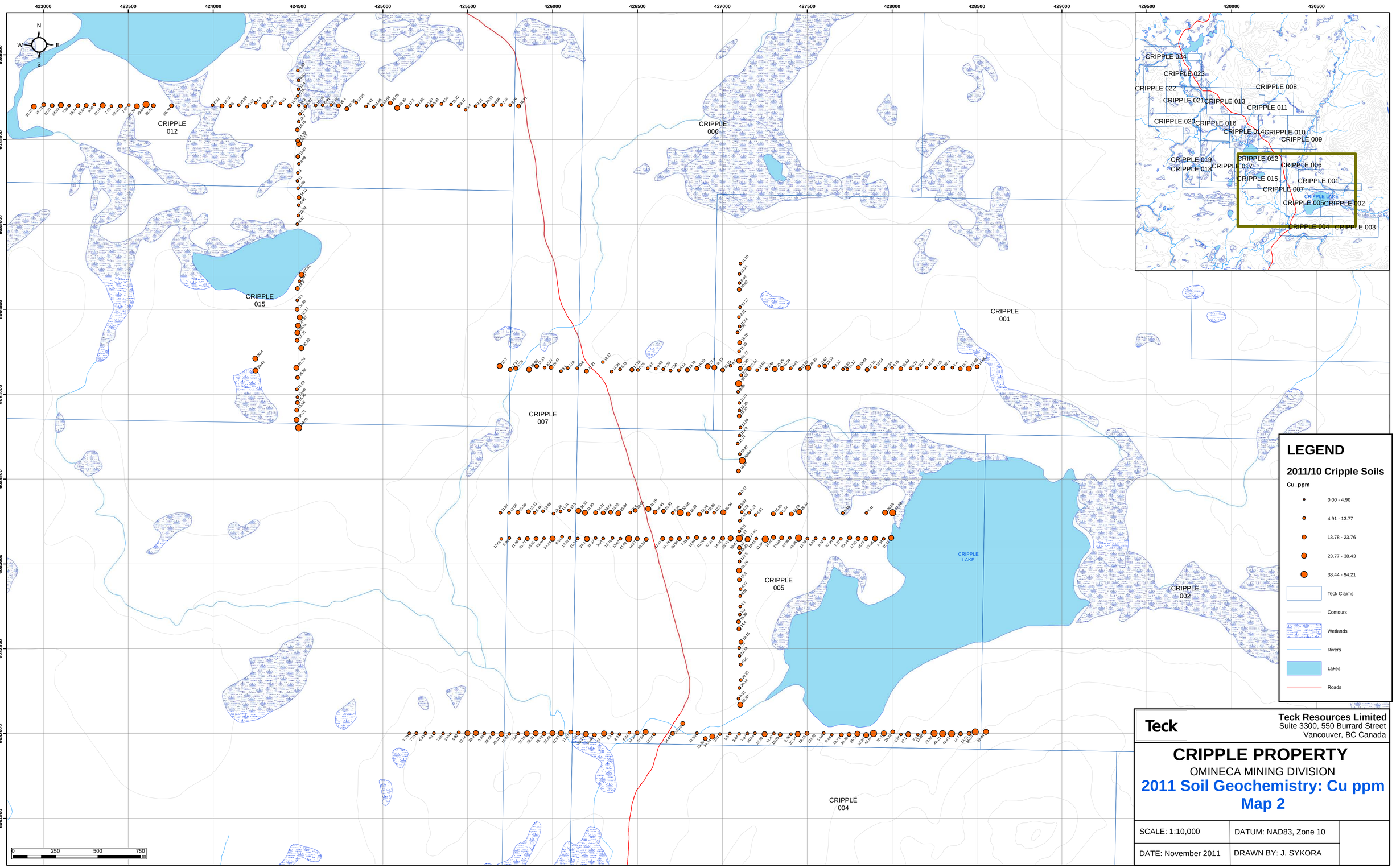
OMINECA MINING DIVISION
Ah Soil Geochemistry: Cu ppm
Map 1
SCALE: 1:10,000
DATUM: NAD83, Zone 10
DATE: November 2011
DRAWN BY: S. SYKORA



LEGEND

2011/10 Cripple Soils

Cu_ppm

- 0.00 - 4.90
- 4.91 - 13.77
- 13.78 - 23.76
- 23.77 - 38.43
- 38.44 - 94.21
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- Lakes
- Roads

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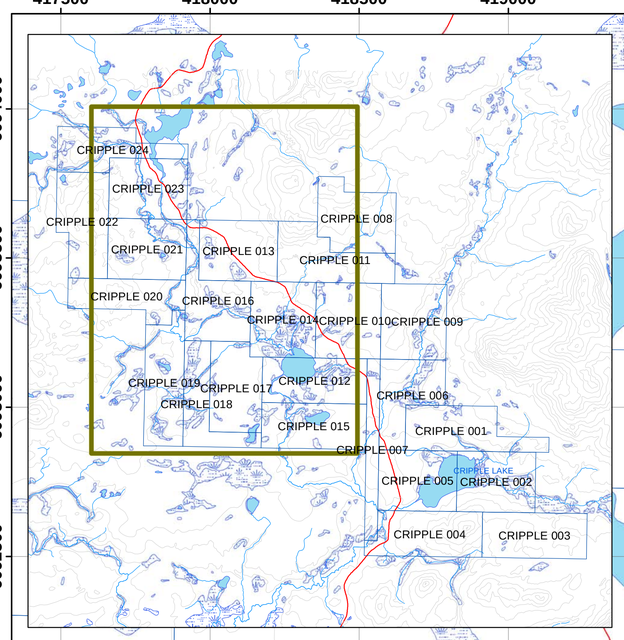
2011 Soil Geochemistry: Cu ppm
Map 2

SCALE: 1:10,000	DATUM: NAD83, Zone 10
DATE: November 2011	DRAWN BY: J. SYKORA



LEGEND

2011/10 Cripple Soils

Au_ppb

- 0.10 - 1.00
- 1.01 - 3.40
- 3.41 - 9.00
- 9.01 - 24.10
- 24.11 - 81.80

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Contours

Wetlands

Rivers

Lakes

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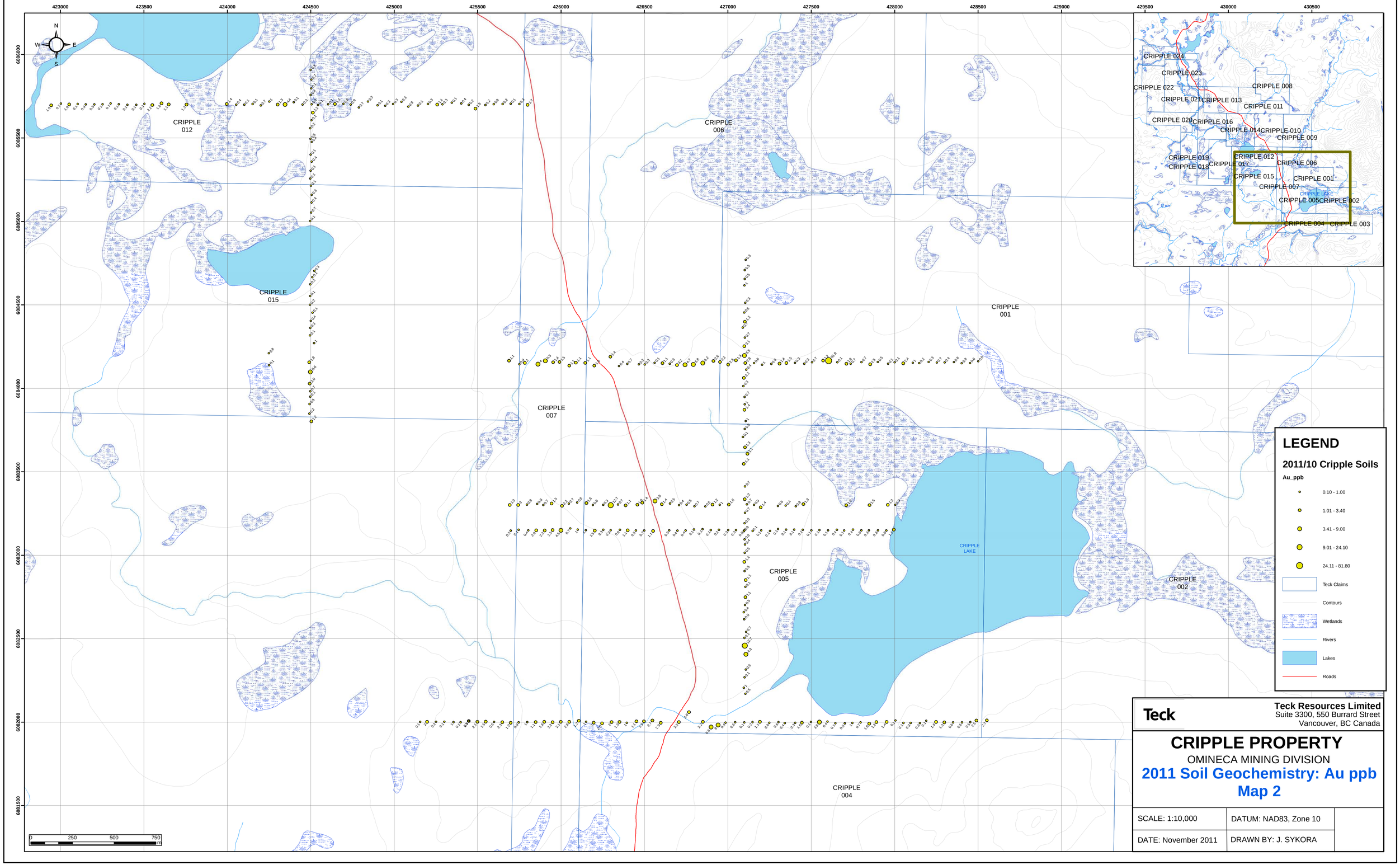
Ah Soil Geochemistry: Au ppb
Map 1

SCALE: 1:10,000	DATUM: NAD83, Zone 10
DATE: November 2011	DRAWN BY: S. SYKORA



LEGEND

2011/10 Cripple Soils

Au_ppb

- 0.10 - 1.00
- 1.01 - 3.40
- 3.41 - 9.00
- 9.01 - 24.10
- 24.11 - 81.80
- Teck Claims
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- Wetlands
- Rivers
- Lakes
- Roads

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2011 Soil Geochemistry: Au ppb
Map 2

SCALE: 1:10,000	DATUM: NAD83, Zone 10
DATE: November 2011	DRAWN BY: J. SYKORA

Appendix 7: Ah soil Sample Geochemistry ACME Labs certificates

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

www.acmelab.com

Client: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Submitted By: Kevin Byrne
Receiving Lab: Canada-Vancouver
Received: July 29, 2011
Report Date: August 27, 2011
Page: 1 of 5

CERTIFICATE OF ANALYSIS VAN11003560.1

CLIENT JOB INFORMATION

Project: 204900
Shipment ID: CRP_001
P.O. Number
Number of Samples: 107

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT Store After 90 days Invoice for Storage

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	107	Dry at 60C			VAN
SS80	107	Dry at 60C sieve 100g to -80 mesh			VAN
RJSV	107	Saving all or part of Soil Reject			VAN
1F05	102	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Teck Resources Limited
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3
Canada

CC: Rupa Mukherjee
Randy Farmer

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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

Client: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: August 27, 2011

CERTIFICATE OF ANALYSIS VAN11003560.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1079501	Soil	1.64	16.69	4.49	57.9	224	6.8	3.0	410	0.33	0.6	0.2	2.4	<0.1	88.0	0.74	0.23	0.10	9	1.45	0.126
1079502	Soil	0.50	6.22	3.03	224.1	392	5.1	1.3	4564	0.09	0.4	<0.1	1.0	<0.1	73.0	0.45	0.07	0.04	<2	2.29	0.105
1079503	Soil	0.87	10.77	6.04	167.8	438	4.7	5.1	3585	0.17	0.3	<0.1	0.2	<0.1	70.8	0.71	0.14	0.05	<2	1.37	0.147
1079504	Soil	1.02	10.18	6.88	145.2	603	4.6	3.5	2982	0.20	0.4	<0.1	0.3	<0.1	50.3	0.87	0.11	0.05	3	1.15	0.152
1079505	Soil	1.21	7.55	7.55	139.8	200	3.8	2.6	6955	0.12	0.2	<0.1	0.7	<0.1	33.9	1.12	0.11	0.04	<2	0.95	0.158
1079506	Soil	1.82	22.10	7.30	95.9	451	10.1	11.5	2162	0.48	0.9	0.2	0.4	<0.1	38.4	0.69	0.14	0.05	7	0.52	0.159
1079507	Soil	1.38	7.40	5.80	77.9	395	4.1	1.6	817	0.20	0.5	<0.1	0.8	<0.1	24.7	0.49	0.08	0.04	5	0.54	0.105
1079509	Soil	1.39	15.30	7.48	79.3	260	6.7	2.0	409	0.51	1.4	<0.1	0.8	<0.1	15.4	0.62	0.16	0.07	13	0.36	0.123
1079510	Soil	1.82	24.58	8.64	137.9	556	16.1	6.3	3381	0.64	1.6	0.2	0.6	<0.1	72.2	1.09	0.28	0.06	11	1.13	0.172
1079511	Soil	1.22	14.65	6.02	72.1	610	7.9	3.1	724	0.32	0.8	<0.1	0.8	<0.1	31.1	0.70	0.10	0.04	6	0.51	0.123
1079551	Soil	1.45	18.16	6.62	90.2	499	13.5	5.9	3027	0.66	1.3	0.2	0.7	<0.1	109.1	1.21	0.21	0.05	12	1.87	0.155
1079552	Soil	1.03	14.40	5.16	51.8	323	6.4	2.9	929	0.40	0.8	0.2	0.5	<0.1	56.7	0.51	0.14	0.04	7	1.08	0.097
1079553	Soil	0.91	15.36	5.47	118.4	456	7.7	4.6	2657	0.55	1.2	0.1	0.4	<0.1	54.9	0.76	0.18	0.07	9	0.96	0.135
1079554	Soil	1.04	7.90	6.04	86.9	258	4.0	2.3	2479	0.26	0.7	<0.1	0.5	<0.1	41.2	0.89	0.09	0.04	5	0.93	0.106
1079555	Soil	0.97	6.70	4.99	93.0	473	2.9	0.9	1826	0.10	0.3	<0.1	1.1	<0.1	25.7	0.62	0.09	0.03	<2	0.69	0.106
1079556	Soil	2.57	8.51	2.59	67.4	32	1.2	0.3	135	0.05	0.5	0.1	<0.2	<0.1	103.3	0.38	0.08	0.02	<2	1.62	0.078
1079557	Soil	0.90	8.77	5.98	85.5	699	4.3	2.1	1814	0.17	0.6	<0.1	1.1	<0.1	44.9	1.09	0.13	0.04	3	1.06	0.116
1079558	Soil	1.13	17.40	7.48	91.3	499	7.3	10.1	1164	0.54	1.0	0.2	0.5	<0.1	40.7	0.94	0.18	0.05	11	0.61	0.116
1079559	Soil	1.04	31.26	6.61	154.7	1416	20.7	17.7	5040	0.73	1.6	0.3	1.4	<0.1	96.0	1.77	0.19	0.05	11	1.60	0.134
1079560	Soil	1.12	11.58	5.79	137.3	489	6.9	3.7	3806	0.32	0.7	<0.1	0.5	<0.1	60.2	1.10	0.17	0.04	5	1.07	0.111
1079561	Soil	0.61	10.83	4.92	49.8	566	4.7	2.9	1275	0.31	0.6	<0.1	0.4	<0.1	21.7	0.76	0.09	0.03	5	0.46	0.108
1079562	Soil	1.12	10.65	7.00	61.6	920	6.7	4.8	2431	0.35	0.8	<0.1	1.4	<0.1	38.8	0.60	0.17	0.04	6	0.57	0.131
1079563	Soil	1.06	17.70	5.00	64.7	666	10.7	6.1	1611	0.57	1.1	0.2	0.8	<0.1	56.2	0.56	0.28	0.04	8	0.91	0.146
1079564	Soil	1.70	18.23	7.51	67.6	896	9.6	6.2	1476	0.59	1.4	0.2	0.9	<0.1	52.6	0.58	0.23	0.06	10	0.77	0.137
1079565	Soil	0.73	5.11	5.01	43.5	496	3.0	1.0	125	0.14	1.0	<0.1	0.8	<0.1	23.0	0.76	0.12	0.03	4	0.43	0.084
1079566	Soil	0.73	5.44	4.82	62.0	363	3.1	1.2	887	0.12	0.8	<0.1	0.7	<0.1	25.0	0.83	0.09	0.03	2	0.43	0.103
1079567	Soil	1.28	7.27	8.75	49.6	704	4.6	1.4	676	0.26	1.0	<0.1	1.3	<0.1	23.5	0.54	0.11	0.05	6	0.38	0.092
1079568	Soil	1.51	6.10	6.07	81.0	638	3.4	1.4	1512	0.19	0.9	<0.1	0.7	<0.1	20.4	0.97	0.11	0.04	4	0.56	0.106
1079569	Soil	1.33	10.13	7.71	52.0	457	5.5	2.8	504	0.36	1.1	0.1	0.5	<0.1	32.4	0.65	0.13	0.04	7	0.49	0.091
1079570	Soil	1.04	9.00	6.24	81.2	617	4.9	2.0	2632	0.28	0.9	<0.1	0.6	<0.1	33.1	0.67	0.10	0.04	5	0.73	0.093

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: August 27, 2011

CERTIFICATE OF ANALYSIS VAN11003560.1

Method		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
1079501	Soil	2.8	5.8	0.29	83.7	0.005	6	0.35	0.007	0.10	0.1	0.7	0.03	0.09	153	0.4	<0.02	0.8	0.11	<0.1	<0.02
1079502	Soil	<0.5	2.7	0.16	221.2	0.003	12	0.17	0.006	0.14	<0.1	0.3	0.06	0.13	472	0.5	<0.02	0.2	0.15	<0.1	<0.02
1079503	Soil	0.7	3.5	0.09	367.4	0.004	7	0.28	0.006	0.12	<0.1	0.5	0.10	0.12	397	0.3	0.03	0.4	0.21	<0.1	<0.02
1079504	Soil	1.1	4.0	0.11	237.8	0.006	8	0.34	0.006	0.13	<0.1	0.4	0.07	0.12	348	0.4	<0.02	0.6	0.19	<0.1	<0.02
1079505	Soil	<0.5	2.8	0.08	160.8	0.003	8	0.29	0.006	0.17	<0.1	0.2	0.17	0.11	405	0.4	<0.02	0.4	0.17	<0.1	<0.02
1079506	Soil	5.3	8.2	0.13	234.8	0.007	5	0.57	0.005	0.12	<0.1	0.3	0.05	0.09	212	0.3	<0.02	1.3	0.25	<0.1	<0.02
1079507	Soil	0.9	4.2	0.08	133.4	0.006	4	0.26	0.005	0.11	<0.1	0.3	0.03	0.08	207	0.6	<0.02	0.5	0.18	<0.1	<0.02
1079509	Soil	2.0	9.3	0.13	101.2	0.011	4	0.46	0.005	0.11	<0.1	0.4	0.04	0.07	212	0.4	0.02	1.4	0.23	<0.1	<0.02
1079510	Soil	9.3	10.8	0.19	322.9	0.008	6	0.79	0.005	0.14	0.1	0.3	0.05	0.10	271	0.6	<0.02	1.8	0.24	<0.1	<0.02
1079511	Soil	3.5	5.9	0.10	125.7	0.008	5	0.42	0.004	0.10	<0.1	0.3	0.03	0.10	281	0.4	0.04	0.9	0.20	<0.1	<0.02
1079551	Soil	7.5	9.9	0.22	452.2	0.009	6	0.66	0.009	0.11	0.1	0.5	0.07	0.11	357	0.4	0.04	1.9	0.38	<0.1	<0.02
1079552	Soil	5.7	7.1	0.13	205.7	0.008	5	0.44	0.011	0.09	<0.1	0.7	0.04	0.09	311	0.3	<0.02	1.0	0.24	<0.1	<0.02
1079553	Soil	4.0	7.7	0.14	257.1	0.009	6	0.57	0.010	0.11	<0.1	0.5	0.03	0.09	327	0.4	0.02	1.3	0.24	<0.1	<0.02
1079554	Soil	0.9	4.7	0.08	273.2	0.008	5	0.28	0.010	0.17	<0.1	0.4	0.08	0.10	406	0.3	<0.02	0.7	0.29	<0.1	<0.02
1079555	Soil	<0.5	2.5	0.06	135.5	0.003	5	0.14	0.010	0.12	0.2	0.3	0.05	0.11	349	0.3	<0.02	0.3	0.13	<0.1	<0.02
1079556	Soil	<0.5	2.2	0.08	286.2	0.002	12	0.05	0.013	0.07	<0.1	0.3	<0.02	0.15	360	0.6	<0.02	<0.1	0.05	<0.1	<0.02
1079557	Soil	1.7	3.2	0.08	191.8	0.005	8	0.24	0.010	0.11	<0.1	0.3	0.06	0.11	391	0.3	<0.02	0.4	0.23	<0.1	<0.02
1079558	Soil	7.6	8.3	0.14	209.9	0.013	5	0.48	0.011	0.10	<0.1	0.8	0.05	0.08	302	0.2	<0.02	1.2	0.23	<0.1	<0.02
1079559	Soil	17.6	10.5	0.21	473.3	0.008	4	0.89	0.008	0.15	0.1	0.5	0.06	0.08	286	0.7	0.04	1.8	0.31	<0.1	<0.02
1079560	Soil	3.9	5.4	0.11	343.0	0.007	6	0.36	0.010	0.11	<0.1	0.4	0.07	0.10	342	0.3	0.03	0.8	0.26	<0.1	<0.02
1079561	Soil	2.3	4.8	0.07	187.8	0.007	4	0.38	0.008	0.10	<0.1	0.4	0.04	0.08	311	0.3	<0.02	0.7	0.19	<0.1	<0.02
1079562	Soil	3.0	6.1	0.11	212.2	0.009	4	0.38	0.013	0.11	<0.1	0.5	0.08	0.09	356	0.7	<0.02	0.7	0.25	<0.1	<0.02
1079563	Soil	8.2	8.7	0.15	219.3	0.006	5	0.72	0.010	0.10	<0.1	0.3	0.05	0.10	321	0.3	<0.02	1.5	0.20	<0.1	<0.02
1079564	Soil	4.7	10.1	0.15	277.4	0.009	4	0.70	0.009	0.10	<0.1	0.5	0.08	0.10	382	0.4	0.02	2.1	0.30	<0.1	<0.02
1079565	Soil	0.6	3.3	0.07	111.6	0.006	4	0.20	0.010	0.11	<0.1	0.5	0.03	0.09	316	0.5	<0.02	0.4	0.14	<0.1	<0.02
1079566	Soil	<0.5	3.1	0.06	119.9	0.004	4	0.21	0.011	0.09	<0.1	0.4	0.06	0.09	290	0.3	<0.02	0.3	0.16	<0.1	<0.02
1079567	Soil	1.4	5.0	0.06	130.7	0.009	2	0.32	0.009	0.07	<0.1	0.4	0.04	0.07	237	0.4	<0.02	0.9	0.19	<0.1	<0.02
1079568	Soil	0.8	4.0	0.07	102.7	0.007	5	0.23	0.013	0.09	<0.1	0.4	0.06	0.09	322	0.4	<0.02	0.5	0.26	<0.1	<0.02
1079569	Soil	2.6	5.9	0.09	197.5	0.007	<1	0.36	0.011	0.10	<0.1	0.5	0.03	0.08	254	0.4	<0.02	0.8	0.20	<0.1	<0.02
1079570	Soil	0.9	4.8	0.08	161.8	0.008	3	0.27	0.009	0.08	<0.1	0.3	0.04	0.10	351	0.4	0.04	0.7	0.20	<0.1	<0.02

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Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

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CERTIFICATE OF ANALYSIS VAN11003560.1

Method		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1079501	Soil	0.12	1.9	0.3	<0.05	0.6	3.23	5.6	<0.02	<1	<0.1	0.7	<10	<2
1079502	Soil	0.04	4.9	0.1	<0.05	0.1	0.20	0.6	<0.02	<1	<0.1	0.3	<10	<2
1079503	Soil	0.06	5.4	0.1	<0.05	0.1	0.45	1.6	<0.02	<1	<0.1	0.4	14	<2
1079504	Soil	0.07	4.3	0.2	<0.05	0.1	0.68	2.4	<0.02	<1	0.1	0.7	<10	<2
1079505	Soil	0.05	4.7	0.1	<0.05	<0.1	0.29	1.0	<0.02	<1	<0.1	0.3	<10	<2
1079506	Soil	0.15	5.4	0.2	<0.05	<0.1	4.18	13.8	<0.02	<1	0.3	1.2	<10	<2
1079507	Soil	0.09	3.1	0.1	<0.05	0.1	0.47	1.8	<0.02	<1	<0.1	0.5	<10	<2
1079509	Soil	0.21	4.6	0.2	<0.05	0.2	0.98	4.2	<0.02	<1	0.2	1.2	<10	<2
1079510	Soil	0.24	3.9	0.2	<0.05	<0.1	8.62	20.4	<0.02	<1	0.1	1.7	<10	<2
1079511	Soil	0.12	3.8	0.1	<0.05	0.1	2.81	7.1	<0.02	<1	<0.1	0.8	<10	<2
1079551	Soil	0.21	6.4	0.1	<0.05	0.2	5.56	19.4	<0.02	<1	0.5	2.2	<10	<2
1079552	Soil	0.14	3.7	0.1	<0.05	0.3	4.11	11.9	<0.02	<1	0.2	1.3	<10	<2
1079553	Soil	0.18	4.2	0.2	<0.05	<0.1	2.93	8.9	<0.02	<1	0.1	1.5	<10	<2
1079554	Soil	0.10	5.7	0.1	<0.05	0.1	0.54	1.9	<0.02	<1	<0.1	0.7	<10	<2
1079555	Soil	0.05	2.6	<0.1	<0.05	0.2	0.25	0.8	<0.02	<1	<0.1	0.3	<10	<2
1079556	Soil	0.03	0.7	<0.1	<0.05	0.3	0.30	0.5	<0.02	<1	<0.1	<0.1	<10	<2
1079557	Soil	0.06	2.8	<0.1	<0.05	0.2	1.24	5.0	<0.02	<1	<0.1	0.4	<10	<2
1079558	Soil	0.22	3.4	0.2	<0.05	0.3	5.07	16.5	<0.02	<1	0.3	1.9	<10	<2
1079559	Soil	0.21	5.3	0.2	<0.05	<0.1	13.29	40.4	<0.02	<1	0.5	1.8	<10	<2
1079560	Soil	0.11	3.5	0.1	<0.05	<0.1	3.30	9.3	<0.02	<1	<0.1	0.9	<10	<2
1079561	Soil	0.12	3.2	<0.1	<0.05	0.2	1.43	5.0	<0.02	<1	<0.1	0.6	<10	<2
1079562	Soil	0.12	4.7	0.1	<0.05	0.1	2.36	7.2	<0.02	<1	0.2	0.9	<10	<2
1079563	Soil	0.19	2.8	0.1	<0.05	<0.1	6.08	18.0	<0.02	<1	0.4	1.3	<10	<2
1079564	Soil	0.27	3.3	0.2	<0.05	0.2	3.20	10.0	<0.02	<1	0.2	1.6	<10	<2
1079565	Soil	0.09	2.5	0.1	<0.05	0.3	0.30	1.2	<0.02	2	<0.1	0.3	<10	<2
1079566	Soil	0.05	2.4	<0.1	<0.05	0.1	0.30	1.0	<0.02	<1	<0.1	0.2	<10	<2
1079567	Soil	0.12	2.4	0.1	<0.05	<0.1	0.67	2.8	<0.02	<1	0.1	0.4	<10	<2
1079568	Soil	0.09	3.8	0.1	<0.05	0.2	0.44	1.7	<0.02	<1	<0.1	0.4	<10	<2
1079569	Soil	0.13	2.6	0.1	<0.05	0.1	1.86	5.7	<0.02	<1	<0.1	0.6	<10	<2
1079570	Soil	0.12	4.2	0.1	<0.05	0.2	0.57	1.9	<0.02	<1	<0.1	0.8	<10	3

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Vancouver BC V6C 0B3 Canada

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CERTIFICATE OF ANALYSIS VAN11003560.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1079571	Soil	1.40	22.72	3.29	44.6	489	9.3	1.3	166	0.42	1.2	0.9	1.1	<0.1	103.8	1.32	0.31	0.04	9	1.67	0.098
1079572	Soil	1.27	11.22	4.92	107.8	320	6.9	3.5	1781	0.38	0.8	0.2	0.6	<0.1	58.0	0.70	0.14	0.04	7	1.21	0.096
1079573	Soil	1.31	18.26	4.19	63.6	497	9.8	2.2	1340	0.46	1.0	0.3	1.0	<0.1	73.9	1.04	0.16	0.04	8	1.33	0.097
1079574	Soil	1.43	8.21	2.13	18.0	29	3.4	1.3	676	0.44	1.0	0.2	0.5	<0.1	108.4	0.08	0.19	<0.02	4	2.44	0.086
1079575	Soil	1.72	15.19	3.50	31.5	37	6.9	4.6	2648	0.71	2.0	0.5	0.5	<0.1	124.9	0.18	0.27	0.03	6	2.57	0.105
1079576	Soil	1.42	7.45	1.82	15.8	33	3.3	1.6	296	0.43	1.2	0.2	0.5	<0.1	114.1	0.17	0.19	<0.02	6	2.27	0.094
1079577	Soil	2.15	13.09	2.83	20.6	68	5.6	6.7	2838	1.27	4.8	0.5	4.9	<0.1	134.6	0.45	0.42	0.07	12	2.53	0.129
1079578	Soil	1.27	19.81	2.80	24.1	84	8.9	3.6	751	0.68	1.6	0.4	2.0	<0.1	118.6	0.37	0.27	0.06	14	2.31	0.107
1079579	Soil	1.33	16.87	3.28	23.5	86	6.6	5.2	1506	1.09	2.8	0.4	0.6	<0.1	118.4	0.39	0.27	0.05	12	2.30	0.142
1079580	Soil	1.45	32.49	4.20	61.3	217	20.0	10.8	1063	2.40	6.1	0.8	6.8	0.4	53.2	0.50	0.29	0.09	57	0.66	0.121
1079581	Soil	3.10	46.76	5.84	77.4	442	27.9	23.1	3382	3.21	9.4	2.4	1.2	0.2	92.7	1.31	0.32	0.11	42	1.53	0.167
1079582	Soil	1.75	38.43	6.10	111.1	530	23.4	10.3	3424	1.00	1.4	0.9	0.8	0.1	112.1	1.53	0.34	0.08	17	1.49	0.139
1079583	Soil	1.85	30.32	6.13	81.4	407	16.7	5.1	1121	0.93	1.6	0.9	1.1	<0.1	76.9	0.93	0.34	0.07	18	1.19	0.107
1079584	Soil	1.94	40.79	5.04	95.9	616	23.1	11.8	1685	1.55	2.2	0.7	1.0	0.1	74.8	1.03	0.29	0.09	32	1.06	0.150
1079585	Soil	1.64	22.36	3.90	160.9	401	11.8	4.2	1105	0.62	1.1	0.4	<0.2	0.1	133.1	0.90	0.20	0.05	11	1.96	0.102
1079586	Soil	1.36	8.69	5.55	163.4	383	5.9	2.2	3224	0.42	0.8	<0.1	1.9	<0.1	65.7	0.86	0.13	0.05	10	1.39	0.080
1079587	Soil	1.98	25.42	5.90	57.4	198	14.7	5.2	973	0.95	1.6	0.6	0.5	<0.1	94.7	0.77	0.35	0.07	19	1.47	0.121
1079588	Soil	1.67	18.85	4.30	43.2	411	11.1	10.1	1375	0.85	1.8	1.1	0.4	0.2	104.6	0.89	0.53	0.06	12	1.69	0.148
1079589	Soil	1.40	36.89	3.92	52.1	398	16.9	4.4	294	0.94	2.0	1.1	<0.2	<0.1	123.2	1.13	0.59	0.09	19	2.08	0.126
1079590	Soil	1.27	27.81	3.16	33.7	612	12.4	4.9	282	0.64	1.1	0.7	<0.2	<0.1	103.6	1.40	0.34	0.05	12	1.99	0.105
1079591	Soil	1.92	9.14	6.59	43.2	285	6.0	3.1	244	0.64	1.0	0.1	0.4	<0.1	46.9	0.67	0.17	0.06	19	0.66	0.076
1079592	Soil	0.75	9.16	4.48	66.0	479	5.0	1.5	796	0.50	1.1	<0.1	<0.2	<0.1	33.5	0.84	0.16	0.05	14	0.58	0.094
1079593	Soil	1.52	15.00	4.88	144.3	447	7.2	3.6	2428	0.42	1.2	0.2	<0.2	<0.1	76.0	1.84	0.15	0.05	8	1.32	0.132
1079594	Soil	1.11	6.05	6.44	57.2	468	2.9	0.9	347	0.15	0.4	<0.1	<0.2	<0.1	21.0	0.80	0.11	0.04	3	0.41	0.096
1079595	Soil	1.03	15.61	5.84	44.3	392	8.3	3.6	213	0.47	0.6	0.1	4.4	<0.1	55.9	0.97	0.19	0.05	12	0.68	0.087
1079596	Soil	1.21	13.42	5.81	55.3	542	7.6	3.5	313	0.43	1.0	0.1	<0.2	<0.1	50.3	1.05	0.20	0.05	11	0.64	0.101
1079597	Soil	1.38	12.51	6.35	100.9	247	6.5	3.6	1493	0.52	1.0	0.1	0.3	<0.1	70.8	0.66	0.18	0.06	13	0.94	0.090
1079598	Soil	1.60	23.98	5.12	74.3	317	13.4	7.9	1419	1.03	1.6	0.5	0.6	0.1	54.4	0.93	0.18	0.07	23	0.91	0.093
1079599	Soil	0.91	7.58	5.56	108.1	127	8.0	3.4	2838	0.58	0.9	<0.1	1.3	<0.1	55.8	0.51	0.17	0.05	15	0.76	0.086
1079600	Soil	0.98	8.85	4.66	73.7	332	4.8	2.3	743	0.38	1.0	<0.1	0.7	<0.1	38.7	0.82	0.12	0.04	10	0.72	0.100

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: August 27, 2011

CERTIFICATE OF ANALYSIS VAN11003560.1

		Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
1079571	Soil		7.7	6.6	0.16	181.8	0.008	4	0.47	0.015	0.07	<0.1	1.0	0.04	0.11	312	0.8	<0.02	0.8	0.15	<0.1	<0.02
1079572	Soil		3.9	6.3	0.13	210.3	0.008	4	0.34	0.010	0.10	<0.1	0.6	0.04	0.09	278	0.3	0.03	0.9	0.19	<0.1	<0.02
1079573	Soil		6.7	8.0	0.18	210.4	0.008	3	0.45	0.011	0.10	<0.1	0.8	0.04	0.09	203	0.6	<0.02	1.0	0.22	<0.1	<0.02
1079574	Soil		0.9	3.7	0.20	82.9	0.002	6	0.15	0.014	0.07	<0.1	0.4	<0.02	0.13	165	0.5	<0.02	0.2	0.04	<0.1	<0.02
1079575	Soil		1.5	5.5	0.22	169.8	0.003	8	0.24	0.018	0.07	<0.1	0.5	0.04	0.16	230	0.6	<0.02	0.3	0.07	<0.1	<0.02
1079576	Soil		1.3	3.4	0.19	102.1	0.002	5	0.13	0.010	0.05	<0.1	0.4	0.02	0.15	238	0.5	<0.02	0.2	0.07	<0.1	<0.02
1079577	Soil		2.4	4.8	0.23	157.8	0.003	7	0.27	0.012	0.06	<0.1	0.8	0.08	0.14	265	0.7	0.03	0.3	0.15	<0.1	<0.02
1079578	Soil		3.2	10.3	0.28	115.1	0.010	5	0.58	0.011	0.05	<0.1	1.1	0.06	0.14	331	0.6	<0.02	1.1	0.27	<0.1	0.02
1079579	Soil		2.3	7.9	0.27	121.0	0.007	6	0.37	0.014	0.07	<0.1	0.8	0.06	0.16	295	0.6	0.03	0.8	0.25	<0.1	<0.02
1079580	Soil		7.9	35.4	0.55	167.9	0.046	2	1.66	0.012	0.04	0.1	4.5	0.11	0.08	128	1.0	0.03	4.2	0.88	<0.1	0.03
1079581	Soil		7.8	29.3	0.41	256.0	0.016	2	1.80	0.014	0.08	<0.1	2.5	0.14	0.13	176	0.9	0.03	4.4	0.74	<0.1	<0.02
1079582	Soil		12.3	15.3	0.30	364.1	0.013	2	1.08	0.010	0.11	<0.1	1.7	0.05	0.08	280	0.5	0.02	2.7	0.41	<0.1	<0.02
1079583	Soil		8.4	14.8	0.27	212.7	0.014	3	0.94	0.009	0.09	<0.1	1.6	0.06	0.09	225	0.4	0.02	2.6	0.36	<0.1	<0.02
1079584	Soil		8.1	27.3	0.36	287.0	0.022	3	1.59	0.007	0.11	<0.1	2.2	0.08	0.07	205	0.5	0.05	4.6	0.71	<0.1	<0.02
1079585	Soil		4.3	11.2	0.20	485.0	0.011	7	0.62	0.006	0.08	<0.1	1.3	0.05	0.11	273	0.3	0.03	1.8	0.30	<0.1	0.02
1079586	Soil		2.0	6.9	0.12	253.5	0.019	4	0.43	0.010	0.10	<0.1	0.6	0.08	0.08	262	0.3	<0.02	1.5	0.27	<0.1	<0.02
1079587	Soil		7.5	16.1	0.34	170.2	0.016	3	0.93	0.011	0.11	<0.1	1.2	0.05	0.10	167	0.4	0.04	2.8	0.38	<0.1	<0.02
1079588	Soil		8.0	11.3	0.27	176.8	0.010	3	0.72	0.011	0.10	<0.1	2.3	0.06	0.10	301	0.8	0.04	1.6	0.28	<0.1	<0.02
1079589	Soil		11.0	15.0	0.31	209.1	0.011	3	1.19	0.010	0.09	<0.1	1.3	<0.02	0.13	161	0.6	<0.02	2.4	0.38	<0.1	<0.02
1079590	Soil		4.5	10.3	0.25	132.5	0.009	3	0.69	0.014	0.08	<0.1	1.1	0.05	0.12	152	1.1	<0.02	1.5	0.27	<0.1	0.02
1079591	Soil		3.0	10.4	0.18	122.5	0.025	2	0.50	0.008	0.10	<0.1	0.6	0.02	0.07	87	0.3	<0.02	2.2	0.26	<0.1	<0.02
1079592	Soil		2.1	7.7	0.12	117.8	0.022	3	0.43	0.008	0.11	<0.1	0.6	0.03	0.07	208	0.5	0.03	1.6	0.24	<0.1	<0.02
1079593	Soil		2.2	6.8	0.15	299.8	0.016	5	0.39	0.010	0.12	<0.1	0.8	0.05	0.11	418	0.4	0.03	1.1	0.23	<0.1	<0.02
1079594	Soil		0.6	2.8	0.07	77.4	0.007	3	0.26	0.008	0.09	<0.1	0.4	0.05	0.10	303	0.4	<0.02	0.4	0.12	<0.1	<0.02
1079595	Soil		5.0	7.8	0.16	135.3	0.017	2	0.49	0.008	0.08	<0.1	0.6	0.03	0.07	172	0.3	<0.02	1.5	0.18	<0.1	<0.02
1079596	Soil		4.2	7.4	0.15	124.8	0.015	3	0.48	0.009	0.09	<0.1	0.6	0.04	0.09	224	0.5	0.02	1.4	0.19	<0.1	<0.02
1079597	Soil		3.9	9.0	0.19	273.4	0.024	3	0.48	0.011	0.08	<0.1	0.8	0.08	0.07	185	0.4	0.02	1.8	0.37	<0.1	<0.02
1079598	Soil		8.3	17.5	0.29	201.0	0.025	2	0.97	0.009	0.09	<0.1	1.8	0.06	0.06	147	0.4	0.04	3.0	0.44	<0.1	<0.02
1079599	Soil		2.6	10.0	0.16	266.3	0.023	3	0.47	0.009	0.11	<0.1	0.7	0.04	0.06	162	0.3	<0.02	1.9	0.24	<0.1	<0.02
1079600	Soil		1.8	6.5	0.12	140.8	0.017	5	0.42	0.006	0.12	<0.1	0.6	0.04	0.09	285	0.3	<0.02	1.5	0.21	<0.1	<0.02

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Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

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Method		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1079571	Soil	0.13	1.9	0.1	<0.05	0.6	7.92	12.8	<0.02	<1	0.2	0.7	<10	<2
1079572	Soil	0.14	3.0	0.1	<0.05	0.3	2.70	7.9	<0.02	<1	0.1	1.2	<10	<2
1079573	Soil	0.17	3.3	<0.1	<0.05	0.4	4.82	12.8	<0.02	<1	<0.1	1.3	<10	<2
1079574	Soil	0.05	1.0	<0.1	<0.05	0.6	1.64	1.2	<0.02	<1	<0.1	0.2	<10	<2
1079575	Soil	0.07	1.3	<0.1	<0.05	0.4	2.82	3.0	<0.02	1	<0.1	0.5	<10	<2
1079576	Soil	0.04	0.9	<0.1	<0.05	0.4	1.98	2.2	<0.02	<1	0.1	0.3	<10	<2
1079577	Soil	0.07	1.3	<0.1	<0.05	0.4	3.87	4.4	<0.02	2	0.2	0.6	<10	<2
1079578	Soil	0.19	2.4	0.1	<0.05	0.8	4.35	4.9	<0.02	<1	0.1	2.7	<10	<2
1079579	Soil	0.14	2.0	0.1	<0.05	0.5	3.33	3.6	<0.02	<1	0.1	1.9	<10	<2
1079580	Soil	0.63	5.2	0.3	<0.05	1.1	9.22	15.2	0.03	2	0.2	11.0	<10	2
1079581	Soil	0.64	4.5	0.3	<0.05	0.5	8.51	18.0	0.03	2	0.5	7.0	<10	<2
1079582	Soil	0.33	5.9	0.2	<0.05	0.4	10.37	24.5	<0.02	<1	0.5	3.5	<10	<2
1079583	Soil	0.35	4.8	0.2	<0.05	0.6	7.76	15.4	0.02	<1	0.2	3.6	<10	<2
1079584	Soil	0.57	8.8	0.3	<0.05	0.4	6.06	15.7	0.02	<1	0.5	5.8	<10	<2
1079585	Soil	0.26	4.0	0.2	<0.05	0.8	3.13	8.4	<0.02	<1	0.2	2.2	<10	<2
1079586	Soil	0.23	6.0	0.2	<0.05	0.1	0.96	4.0	<0.02	<1	<0.1	1.3	<10	<2
1079587	Soil	0.40	5.4	0.2	<0.05	0.5	6.61	13.5	<0.02	<1	0.3	3.9	<10	<2
1079588	Soil	0.22	3.8	0.1	<0.05	0.9	8.47	17.6	<0.02	<1	0.2	2.1	<10	<2
1079589	Soil	0.38	3.8	0.2	<0.05	1.1	9.62	17.5	<0.02	1	0.3	3.4	<10	<2
1079590	Soil	0.22	3.4	0.1	<0.05	0.9	4.58	7.7	<0.02	2	0.1	1.9	<10	<2
1079591	Soil	0.43	4.8	0.3	<0.05	0.6	1.39	5.5	<0.02	<1	0.1	2.0	<10	<2
1079592	Soil	0.38	4.9	0.2	<0.05	0.4	0.83	3.7	<0.02	<1	<0.1	1.3	<10	<2
1079593	Soil	0.19	4.9	0.1	<0.05	0.4	1.32	4.1	<0.02	<1	<0.1	1.3	<10	<2
1079594	Soil	0.08	1.8	<0.1	<0.05	0.3	0.31	1.1	<0.02	1	<0.1	0.3	<10	<2
1079595	Soil	0.29	2.4	0.2	<0.05	0.3	3.42	9.2	<0.02	<1	0.2	1.3	<10	<2
1079596	Soil	0.26	2.6	0.2	<0.05	0.3	3.06	7.6	<0.02	<1	0.1	1.4	<10	<2
1079597	Soil	0.30	7.7	0.2	<0.05	0.2	2.05	7.2	<0.02	<1	0.1	1.6	<10	<2
1079598	Soil	0.51	7.7	0.3	<0.05	0.5	4.96	16.2	<0.02	<1	0.3	3.9	<10	<2
1079599	Soil	0.31	4.3	0.2	<0.05	0.2	1.34	4.9	<0.02	<1	<0.1	1.7	<10	<2
1079600	Soil	0.28	5.0	0.2	<0.05	0.2	0.78	3.2	<0.02	<1	<0.1	1.0	<10	<2

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	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1080431	Soil	1.74	11.11	6.89	31.0	223	5.2	3.0	430	0.35	0.7	0.1	<0.2	<0.1	59.2	0.48	0.17	0.05	8	0.73	0.108
1080432	Soil	1.54	15.60	5.53	21.2	372	7.6	3.0	90	0.32	0.6	0.1	7.3	<0.1	62.3	0.52	0.19	0.04	7	0.64	0.115
1080433	Soil	1.40	9.04	5.76	36.9	379	4.1	1.6	248	0.19	0.5	<0.1	0.4	<0.1	31.9	0.67	0.14	0.04	3	0.35	0.123
1080434	Soil	1.64	7.02	6.24	41.3	1042	3.6	1.2	242	0.16	0.7	<0.1	<0.2	<0.1	18.3	0.55	0.16	0.04	3	0.29	0.127
1080435	Soil	1.79	8.57	5.54	46.3	153	6.1	2.5	1183	0.59	1.3	<0.1	<0.2	<0.1	22.5	0.66	0.20	0.05	14	0.36	0.113
1080436	Soil	1.58	5.73	5.75	34.1	617	3.5	0.8	298	0.17	0.6	<0.1	<0.2	<0.1	24.9	0.37	0.16	0.04	3	0.32	0.104
1080437	Soil	1.36	6.51	6.08	72.6	681	3.1	0.6	1436	0.11	0.3	<0.1	<0.2	<0.1	34.3	0.76	0.11	0.03	<2	0.65	0.106
1080651	Soil	1.10	19.07	5.05	104.5	272	8.5	4.4	434	0.60	1.1	0.2	<0.2	<0.1	59.5	1.18	0.15	0.05	12	0.88	0.117
1080652	Soil	0.68	7.03	3.65	62.1	239	4.6	1.9	461	0.31	0.7	<0.1	<0.2	<0.1	29.8	0.52	0.11	0.03	8	0.59	0.082
1080653	Soil	2.17	14.76	2.13	33.1	284	7.6	6.4	2268	0.36	1.1	0.5	<0.2	<0.1	101.8	1.94	0.39	0.02	6	1.78	0.140
1080654	Soil	1.40	25.80	2.50	42.0	240	13.9	5.2	1116	0.37	0.9	0.5	<0.2	<0.1	126.0	2.03	0.41	0.03	8	2.23	0.149
1080655	Soil	2.22	12.03	3.78	40.5	299	7.1	2.1	743	0.21	0.7	0.3	<0.2	<0.1	95.4	1.58	0.27	0.03	5	2.12	0.101
1080656	Soil	2.45	12.47	5.71	189.3	272	7.5	2.8	2322	0.42	0.9	0.2	5.9	<0.1	86.6	1.07	0.18	0.09	7	1.95	0.101
1080657	Soil	1.87	17.84	6.14	180.8	357	13.3	5.7	1817	0.85	1.5	0.2	1.8	0.1	122.2	1.03	0.18	0.09	17	2.13	0.102
1080658	Soil	1.15	7.49	7.62	62.3	328	4.2	1.8	620	0.30	0.5	<0.1	1.0	<0.1	22.5	0.56	0.12	0.06	7	0.41	0.082
1080659	Soil	2.02	26.03	4.27	72.5	231	15.0	18.1	3358	0.88	1.0	0.7	0.2	0.1	98.8	3.40	0.48	0.06	16	1.78	0.156
1080660	Soil	0.79	7.66	6.79	93.6	186	6.0	2.8	1948	0.56	1.0	<0.1	1.1	<0.1	44.5	0.53	0.14	0.06	14	0.83	0.074
1080661	Soil	1.30	7.91	7.86	72.5	315	4.9	2.1	513	0.38	0.7	<0.1	<0.2	<0.1	26.7	0.60	0.14	0.06	9	0.42	0.079
1080662	Soil	1.50	15.44	6.05	61.9	307	7.6	4.0	476	0.64	0.9	0.2	0.7	<0.1	36.2	0.88	0.15	0.06	13	0.56	0.087
1080663	Soil	2.20	13.20	6.66	108.1	207	9.9	3.9	715	0.64	0.9	0.1	0.3	<0.1	66.4	0.85	0.14	0.06	13	0.98	0.098
1080664	Soil	1.38	14.58	4.09	42.3	213	8.2	4.6	664	0.31	0.5	0.3	<0.2	<0.1	128.1	1.33	0.34	0.04	9	2.33	0.099
1080665	Soil	1.28	12.75	2.57	29.1	103	4.1	1.8	253	0.21	0.4	0.4	<0.2	<0.1	99.3	0.77	0.22	0.02	4	1.83	0.087
1080666	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080667	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080668	Soil	1.69	12.65	3.33	167.7	409	8.4	2.9	2215	0.26	0.6	0.1	<0.2	<0.1	97.3	0.86	0.20	0.04	3	1.82	0.104
1080669	Soil	1.70	20.46	5.87	81.6	519	6.5	3.1	2148	0.30	0.3	<0.1	0.5	<0.1	36.4	1.34	0.13	0.04	4	0.77	0.092
1080670	Soil	1.36	19.05	4.69	35.6	417	11.2	2.4	263	0.58	0.4	0.4	1.3	0.2	80.0	0.81	0.32	0.06	11	1.29	0.087
1080671	Soil	1.44	18.97	4.16	30.5	221	9.1	6.3	1121	0.50	0.9	0.5	<0.2	<0.1	91.8	1.26	0.36	0.04	11	1.67	0.098
1080672	Soil	1.42	9.99	7.65	46.9	306	7.2	3.2	929	0.49	0.8	0.1	<0.2	<0.1	31.9	0.53	0.14	0.08	11	0.47	0.074
1080673	Soil	1.91	16.30	5.72	58.2	356	9.8	4.7	1437	0.55	1.0	0.2	1.0	<0.1	28.0	0.61	0.19	0.06	9	0.53	0.108

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

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Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: August 27, 2011

CERTIFICATE OF ANALYSIS VAN11003560.1

		Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
1080431	Soil		2.7	6.6	0.13	198.7	0.013	2	0.38	0.010	0.10	<0.1	0.6	0.05	0.08	180	0.3	<0.02	1.1	0.21	<0.1	<0.02
1080432	Soil		3.6	4.7	0.11	147.3	0.010	2	0.37	0.011	0.10	<0.1	0.5	0.03	0.10	171	0.5	<0.02	0.9	0.18	<0.1	<0.02
1080433	Soil		1.8	3.7	0.08	117.6	0.006	1	0.26	0.012	0.09	<0.1	0.5	0.03	0.08	147	0.3	<0.02	0.5	0.17	<0.1	<0.02
1080434	Soil		0.7	3.2	0.08	89.3	0.007	2	0.24	0.010	0.09	<0.1	0.6	0.05	0.09	219	0.3	<0.02	0.4	0.21	<0.1	<0.02
1080435	Soil		1.6	8.8	0.13	111.1	0.020	3	0.44	0.009	0.08	<0.1	0.7	0.04	0.08	205	0.4	<0.02	1.4	0.24	<0.1	<0.02
1080436	Soil		0.7	3.1	0.06	96.6	0.008	2	0.14	0.011	0.08	<0.1	0.6	0.04	0.08	226	0.4	<0.02	0.5	0.21	<0.1	<0.02
1080437	Soil		0.6	2.4	0.07	158.2	0.005	2	0.12	0.009	0.11	<0.1	0.5	0.09	0.08	191	0.4	<0.02	0.3	0.16	<0.1	<0.02
1080651	Soil		4.7	9.5	0.21	158.2	0.017	5	0.57	0.006	0.10	<0.1	0.8	0.03	0.09	144	0.3	<0.02	2.0	0.25	<0.1	<0.02
1080652	Soil		2.0	6.1	0.12	89.0	0.014	7	0.36	0.005	0.10	<0.1	0.4	0.02	0.08	151	0.3	<0.02	1.0	0.19	<0.1	<0.02
1080653	Soil		4.1	5.9	0.27	107.1	0.005	5	0.40	0.008	0.08	<0.1	0.8	0.06	0.14	256	0.8	<0.02	0.6	0.18	<0.1	<0.02
1080654	Soil		8.6	6.4	0.30	169.9	0.006	4	0.49	0.008	0.09	<0.1	1.0	0.06	0.15	275	0.7	<0.02	0.7	0.18	<0.1	0.02
1080655	Soil		4.4	4.0	0.21	142.8	0.004	6	0.24	0.009	0.08	<0.1	0.8	0.05	0.14	317	0.6	<0.02	0.4	0.15	<0.1	0.02
1080656	Soil		1.9	8.7	0.16	431.1	0.012	6	0.31	0.007	0.12	<0.1	0.7	0.05	0.10	280	0.2	0.02	1.2	0.24	<0.1	<0.02
1080657	Soil		2.9	15.4	0.29	461.8	0.016	6	0.61	0.005	0.14	<0.1	0.9	0.04	0.10	287	0.3	0.03	2.0	0.35	<0.1	<0.02
1080658	Soil		1.3	5.5	0.08	107.2	0.011	3	0.31	0.005	0.08	<0.1	0.2	0.05	0.08	240	0.2	<0.02	0.9	0.19	<0.1	<0.02
1080659	Soil		10.0	9.5	0.31	172.5	0.009	7	0.58	0.007	0.08	<0.1	1.1	0.11	0.16	281	0.5	0.02	1.1	0.48	<0.1	<0.02
1080660	Soil		1.8	9.5	0.15	242.3	0.018	3	0.39	0.005	0.09	<0.1	0.3	0.06	0.06	200	0.1	0.04	1.6	0.28	<0.1	<0.02
1080661	Soil		1.3	7.1	0.11	115.8	0.012	3	0.35	0.005	0.07	<0.1	0.3	0.04	0.08	192	0.2	<0.02	1.1	0.19	<0.1	<0.02
1080662	Soil		3.3	12.2	0.20	118.1	0.014	2	0.53	0.009	0.07	<0.1	0.8	0.04	0.08	208	0.1	<0.02	1.8	0.30	<0.1	<0.02
1080663	Soil		2.2	12.8	0.23	263.6	0.014	5	0.51	0.008	0.12	<0.1	0.8	0.04	0.10	226	0.3	0.03	1.7	0.42	<0.1	<0.02
1080664	Soil		4.4	5.9	0.33	127.9	0.005	6	0.29	0.011	0.08	<0.1	0.5	0.04	0.11	338	0.4	0.03	0.6	0.13	<0.1	<0.02
1080665	Soil		2.0	5.6	0.28	79.0	0.004	4	0.18	0.013	0.07	<0.1	0.7	0.04	0.12	192	0.6	<0.02	0.3	0.14	<0.1	<0.02
1080666	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080667	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080668	Soil		2.9	7.7	0.19	304.1	0.007	5	0.28	0.014	0.14	<0.1	0.7	0.04	0.12	363	0.3	0.04	0.7	0.19	<0.1	<0.02
1080669	Soil		2.3	6.6	0.12	152.0	0.011	6	0.33	0.008	0.09	<0.1	0.5	0.06	0.10	269	0.2	<0.02	0.7	0.32	<0.1	<0.02
1080670	Soil		8.6	11.0	0.23	146.1	0.016	4	0.52	0.008	0.06	<0.1	1.3	0.03	0.11	255	0.2	0.02	1.3	0.26	<0.1	<0.02
1080671	Soil		5.5	7.5	0.27	98.9	0.009	3	0.39	0.009	0.06	<0.1	0.8	0.06	0.13	290	0.2	0.03	0.8	0.16	<0.1	<0.02
1080672	Soil		3.0	9.5	0.14	119.8	0.019	6	0.41	0.008	0.06	<0.1	0.6	0.03	0.06	155	0.2	<0.02	1.3	0.35	<0.1	<0.02
1080673	Soil		4.5	10.1	0.13	133.9	0.016	3	0.57	0.009	0.09	<0.1	0.9	0.07	0.09	359	0.2	<0.02	1.4	0.31	<0.1	<0.02

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Method		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1080431	Soil	0.20	3.8	0.1	<0.05	0.2	1.83	5.0	<0.02	<1	0.2	1.0	<10	<2
1080432	Soil	0.17	3.6	0.2	<0.05	0.3	3.11	6.6	<0.02	1	0.2	0.7	<10	<2
1080433	Soil	0.08	2.8	0.1	<0.05	0.2	1.33	3.3	<0.02	<1	<0.1	0.5	<10	<2
1080434	Soil	0.08	3.0	0.1	<0.05	0.2	0.38	1.3	<0.02	<1	<0.1	0.3	<10	<2
1080435	Soil	0.30	3.9	0.2	<0.05	0.3	0.78	2.9	<0.02	<1	<0.1	1.6	<10	<2
1080436	Soil	0.10	3.2	0.1	<0.05	0.4	0.30	1.2	<0.02	<1	<0.1	0.3	<10	<2
1080437	Soil	0.12	3.5	<0.1	<0.05	0.3	0.27	0.9	<0.02	<1	<0.1	0.2	<10	<2
1080651	Soil	0.34	4.7	0.2	<0.05	0.3	2.92	9.0	<0.02	<1	0.2	1.9	<10	<2
1080652	Soil	0.22	3.5	0.1	<0.05	0.2	1.07	3.7	<0.02	<1	<0.1	0.8	<10	<2
1080653	Soil	0.09	3.1	<0.1	<0.05	0.5	4.43	11.2	<0.02	<1	0.1	0.5	<10	<2
1080654	Soil	0.12	2.8	<0.1	<0.05	0.8	8.57	17.1	<0.02	1	0.2	0.9	<10	<2
1080655	Soil	0.07	2.6	<0.1	<0.05	0.6	4.64	7.6	<0.02	<1	<0.1	0.5	<10	<2
1080656	Soil	0.18	4.2	0.3	<0.05	0.3	1.09	3.2	<0.02	1	<0.1	0.9	10	<2
1080657	Soil	0.34	9.3	0.2	<0.05	0.5	1.69	5.5	<0.02	<1	0.2	2.2	13	<2
1080658	Soil	0.15	3.2	0.2	<0.05	<0.1	0.55	2.3	<0.02	<1	<0.1	0.6	<10	<2
1080659	Soil	0.16	3.9	0.2	<0.05	0.4	9.31	25.6	<0.02	<1	0.4	0.8	<10	<2
1080660	Soil	0.26	6.1	0.2	<0.05	0.1	0.78	3.3	<0.02	<1	<0.1	1.7	<10	<2
1080661	Soil	0.18	2.6	0.2	<0.05	0.1	0.55	2.3	<0.02	<1	0.2	0.8	<10	<2
1080662	Soil	0.27	3.9	0.2	<0.05	0.4	1.64	6.3	<0.02	<1	0.4	1.7	<10	<2
1080663	Soil	0.27	8.3	0.2	<0.05	0.4	1.12	4.0	<0.02	<1	0.1	1.8	<10	<2
1080664	Soil	0.08	3.7	0.1	<0.05	0.5	4.95	7.2	<0.02	<1	0.2	0.2	<10	<2
1080665	Soil	0.06	3.4	<0.1	<0.05	0.7	2.17	3.3	<0.02	<1	<0.1	0.2	<10	<2
1080666	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080667	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080668	Soil	0.09	5.2	<0.1	<0.05	0.3	2.32	5.3	<0.02	<1	0.2	0.3	10	<2
1080669	Soil	0.13	4.1	0.1	<0.05	0.1	1.44	4.5	<0.02	<1	<0.1	0.8	<10	<2
1080670	Soil	0.18	3.0	0.2	<0.05	0.4	6.28	14.8	<0.02	<1	<0.1	1.1	<10	<2
1080671	Soil	0.14	2.9	0.1	<0.05	0.4	5.06	11.2	<0.02	<1	0.4	0.5	<10	<2
1080672	Soil	0.18	4.3	0.2	<0.05	0.2	1.68	5.6	<0.02	<1	<0.1	0.9	<10	<2
1080673	Soil	0.20	4.9	0.2	<0.05	0.3	2.53	8.6	<0.02	<1	0.3	1.1	<10	<2

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	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1080674	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080675	Soil	1.11	7.99	6.41	51.8	852	3.7	1.2	348	0.19	0.5	<0.1	0.2	<0.1	18.4	0.85	0.12	0.05	4	0.34	0.088
1080676	Soil	1.03	22.19	7.75	43.0	204	12.1	5.4	431	0.87	1.2	0.2	0.5	0.2	75.2	0.64	0.23	0.08	21	1.05	0.067
1080677	Soil	2.40	18.64	4.07	117.9	326	10.4	3.2	352	0.49	1.2	0.5	0.7	0.1	113.5	3.02	0.30	0.05	10	1.88	0.115
1080678	Soil	2.13	16.22	2.90	43.7	143	7.8	2.0	280	0.24	0.4	0.3	0.6	<0.1	96.2	2.02	0.23	0.03	5	2.84	0.098
1080679	Soil	1.15	14.81	3.78	93.3	278	6.6	6.8	1109	0.28	0.3	0.3	0.5	<0.1	97.5	1.58	0.25	0.03	6	1.70	0.105
1080680	Soil	1.92	17.50	5.56	31.4	340	9.5	15.1	1539	0.56	0.7	0.6	0.6	0.1	103.6	1.26	0.51	0.05	11	1.80	0.104
1080681	Soil	1.40	11.50	4.74	41.9	186	6.9	2.8	601	0.62	1.1	0.1	2.4	<0.1	36.2	0.43	0.13	0.04	15	0.59	0.076
1080682	Soil	0.90	30.44	9.27	30.4	394	12.2	4.4	90	0.99	1.3	0.3	<0.2	<0.1	30.6	0.51	0.10	0.05	14	0.19	0.132
1080683	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080684	Soil	1.68	22.28	4.33	47.1	102	10.6	7.0	1892	1.19	2.7	0.4	0.6	0.1	77.4	0.60	0.24	0.04	23	1.49	0.097
1080685	Soil	1.36	34.47	6.07	68.6	313	21.9	6.5	482	1.37	2.0	0.5	1.4	0.2	73.2	1.33	0.53	0.09	29	1.42	0.102
1080686	Soil	1.49	17.24	3.31	160.6	333	8.5	4.2	1085	0.28	0.3	0.2	0.5	<0.1	168.2	1.70	0.30	0.03	6	2.74	0.119
1080687	Soil	1.07	15.69	7.75	104.1	354	10.1	6.4	1275	0.74	1.1	0.1	0.6	<0.1	40.9	0.50	0.16	0.07	16	0.62	0.096
1080688	Soil	1.60	9.88	6.63	123.5	329	7.7	2.9	5200	0.36	1.0	<0.1	4.1	0.1	34.1	1.12	0.12	0.05	5	1.18	0.108
1080689	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080690	Soil	1.46	14.84	4.66	80.1	201	9.0	2.6	480	0.62	0.8	0.3	0.7	0.1	108.3	0.82	0.20	0.05	12	1.93	0.111

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	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
1080674	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080675	Soil	0.7	4.9	0.07	69.2	0.008	5	0.29	0.008	0.07	<0.1	0.3	0.07	0.10	358	0.4	<0.02	0.5	0.23	<0.1	<0.02
1080676	Soil	4.5	15.5	0.27	199.1	0.026	4	0.66	0.008	0.07	0.1	1.3	0.04	0.07	119	0.3	0.04	2.2	0.33	<0.1	<0.02
1080677	Soil	5.3	12.0	0.26	256.8	0.012	5	0.43	0.012	0.10	<0.1	1.2	0.04	0.11	202	0.5	0.05	1.1	0.24	<0.1	<0.02
1080678	Soil	2.1	6.6	0.26	84.9	0.006	5	0.29	0.009	0.05	<0.1	0.4	0.03	0.15	186	1.0	0.03	0.5	0.13	<0.1	<0.02
1080679	Soil	4.3	5.0	0.22	150.6	0.004	9	0.28	0.008	0.08	<0.1	0.6	0.05	0.13	365	0.5	0.02	0.3	0.13	<0.1	<0.02
1080680	Soil	7.6	8.6	0.27	124.5	0.007	5	0.44	0.006	0.07	<0.1	1.4	0.06	0.12	278	0.6	0.03	0.9	0.18	<0.1	<0.02
1080681	Soil	2.0	10.7	0.22	90.2	0.018	3	0.47	0.009	0.08	<0.1	0.6	0.03	0.07	186	0.3	0.02	1.5	0.22	<0.1	<0.02
1080682	Soil	5.2	10.4	0.11	164.7	0.004	2	0.74	0.006	0.06	<0.1	0.2	<0.02	0.09	180	0.4	0.03	1.4	0.22	<0.1	<0.02
1080683	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080684	Soil	4.7	13.3	0.27	162.1	0.017	6	0.59	0.009	0.05	<0.1	1.6	0.05	0.10	184	0.6	0.06	1.6	0.33	<0.1	<0.02
1080685	Soil	7.8	25.1	0.42	148.8	0.026	6	1.20	0.007	0.08	0.1	2.1	0.05	0.10	150	0.4	0.07	3.1	0.54	<0.1	0.02
1080686	Soil	4.2	5.6	0.27	278.4	0.005	8	0.30	0.008	0.11	<0.1	0.7	0.05	0.15	354	0.6	0.05	0.4	0.22	<0.1	<0.02
1080687	Soil	5.3	12.2	0.18	181.6	0.025	5	0.67	0.008	0.08	<0.1	1.0	0.06	0.07	193	0.2	<0.02	2.1	0.31	<0.1	<0.02
1080688	Soil	1.0	7.4	0.13	161.8	0.015	6	0.40	0.009	0.11	<0.1	0.5	0.09	0.11	518	0.4	<0.02	1.0	0.36	<0.1	<0.02
1080689	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080690	Soil	2.8	11.9	0.22	341.6	0.018	5	0.44	0.010	0.13	<0.1	1.1	0.03	0.09	228	0.3	0.02	1.3	0.35	<0.1	<0.02

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: August 27, 2011

CERTIFICATE OF ANALYSIS VAN11003560.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1080674	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080675	Soil	0.08	3.6	0.1	<0.05	0.2	0.33	1.3	<0.02	<1	0.2	<0.1	<10	<2
1080676	Soil	0.36	5.0	0.1	<0.05	0.4	3.33	7.7	<0.02	<1	0.5	2.1	<10	<2
1080677	Soil	0.18	5.7	0.1	<0.05	0.6	5.06	8.7	<0.02	1	<0.1	1.4	<10	<2
1080678	Soil	0.10	2.3	<0.1	<0.05	0.6	2.26	3.4	<0.02	<1	0.4	0.6	<10	<2
1080679	Soil	0.06	4.0	<0.1	<0.05	0.4	4.00	9.0	<0.02	<1	0.3	0.2	<10	<2
1080680	Soil	0.11	2.7	0.1	<0.05	0.5	6.48	16.2	<0.02	<1	0.2	0.8	<10	<2
1080681	Soil	0.25	4.7	0.1	<0.05	0.2	1.29	3.8	<0.02	<1	<0.1	1.7	<10	<2
1080682	Soil	0.07	2.9	<0.1	<0.05	<0.1	3.10	10.0	<0.02	<1	0.3	1.1	<10	<2
1080683	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080684	Soil	0.22	2.7	0.1	<0.05	0.4	5.53	7.4	<0.02	<1	<0.1	1.7	<10	<2
1080685	Soil	0.50	6.0	0.3	<0.05	0.6	7.20	13.9	0.02	<1	0.5	4.4	<10	<2
1080686	Soil	0.08	4.9	0.1	<0.05	0.4	4.88	7.1	<0.02	2	0.2	0.5	<10	<2
1080687	Soil	0.31	4.3	0.2	<0.05	0.2	3.09	10.7	<0.02	<1	0.2	1.2	<10	<2
1080688	Soil	0.16	5.2	0.1	<0.05	0.2	0.50	1.9	<0.02	<1	<0.1	0.7	<10	<2
1080689	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080690	Soil	0.23	7.8	0.2	<0.05	0.5	2.15	4.6	<0.02	<1	0.3	1.2	<10	<2

AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
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Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

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QUALITY CONTROL REPORT VAN11003560.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
Pulp Duplicates																					
1079551	Soil	1.45	18.16	6.62	90.2	499	13.5	5.9	3027	0.66	1.3	0.2	0.7	<0.1	109.1	1.21	0.21	0.05	12	1.87	0.155
REP 1079551	QC	1.47	16.98	6.34	86.4	494	12.3	5.5	2975	0.60	1.1	0.2	0.3	<0.1	111.1	1.01	0.21	0.04	10	1.81	0.154
1079571	Soil	1.40	22.72	3.29	44.6	489	9.3	1.3	166	0.42	1.2	0.9	1.1	<0.1	103.8	1.32	0.31	0.04	9	1.67	0.098
REP 1079571	QC	1.41	23.21	3.33	46.8	488	9.7	1.5	156	0.43	1.2	0.9	1.3	0.1	105.2	1.26	0.33	0.04	9	1.78	0.098
1079586	Soil	1.36	8.69	5.55	163.4	383	5.9	2.2	3224	0.42	0.8	<0.1	1.9	<0.1	65.7	0.86	0.13	0.05	10	1.39	0.080
REP 1079586	QC	1.43	8.69	5.68	158.4	383	5.6	2.1	3283	0.42	0.8	<0.1	<0.2	<0.1	68.3	0.86	0.11	0.05	9	1.41	0.077
1079597	Soil	1.38	12.51	6.35	100.9	247	6.5	3.6	1493	0.52	1.0	0.1	0.3	<0.1	70.8	0.66	0.18	0.06	13	0.94	0.090
REP 1079597	QC	1.30	12.39	6.60	97.7	256	6.3	3.8	1469	0.52	1.3	0.2	0.5	<0.1	68.3	0.71	0.17	0.06	13	0.96	0.087
1080660	Soil	0.79	7.66	6.79	93.6	186	6.0	2.8	1948	0.56	1.0	<0.1	1.1	<0.1	44.5	0.53	0.14	0.06	14	0.83	0.074
REP 1080660	QC	0.93	8.05	6.92	95.5	189	5.8	2.9	1969	0.56	0.9	<0.1	<0.2	<0.1	45.8	0.53	0.13	0.07	14	0.85	0.077
1080673	Soil	1.91	16.30	5.72	58.2	356	9.8	4.7	1437	0.55	1.0	0.2	1.0	<0.1	28.0	0.61	0.19	0.06	9	0.53	0.108
REP 1080673	QC	1.79	16.00	5.43	56.6	368	9.4	4.6	1473	0.55	0.6	0.2	1.5	<0.1	27.9	0.63	0.20	0.06	9	0.53	0.105
Reference Materials																					
STD DS8	Standard	11.37	101.0	107.1	282.0	1566	34.8	6.8	570	2.32	25.3	2.4	97.1	5.9	66.2	2.19	5.01	5.67	35	0.66	0.081
STD DS8	Standard	11.68	112.4	119.5	286.2	1664	37.0	7.5	546	2.31	22.5	2.5	125.3	5.7	56.8	2.25	4.96	6.73	37	0.61	0.070
STD DS8	Standard	11.51	114.9	130.3	334.0	1772	39.3	7.6	645	2.57	27.0	2.1	110.9	5.1	56.7	2.40	4.79	5.90	41	0.67	0.091
STD DS8 Expected		13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: August 27, 2011

QUALITY CONTROL REPORT VAN11003560.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
Pulp Duplicates																					
1079551	Soil	7.5	9.9	0.22	452.2	0.009	6	0.66	0.009	0.11	0.1	0.5	0.07	0.11	357	0.4	0.04	1.9	0.38	<0.1	<0.02
REP 1079551	QC	7.0	8.8	0.20	494.6	0.011	9	0.63	0.009	0.10	0.1	0.8	0.08	0.11	378	0.3	<0.02	1.5	0.40	<0.1	<0.02
1079571	Soil	7.7	6.6	0.16	181.8	0.008	4	0.47	0.015	0.07	<0.1	1.0	0.04	0.11	312	0.8	<0.02	0.8	0.15	<0.1	<0.02
REP 1079571	QC	7.4	7.5	0.17	182.1	0.008	4	0.48	0.015	0.07	<0.1	1.3	0.04	0.11	332	0.7	0.04	0.9	0.15	<0.1	<0.02
1079586	Soil	2.0	6.9	0.12	253.5	0.019	4	0.43	0.010	0.10	<0.1	0.6	0.08	0.08	262	0.3	<0.02	1.5	0.27	<0.1	<0.02
REP 1079586	QC	1.9	6.6	0.12	251.2	0.017	4	0.41	0.010	0.10	<0.1	0.5	0.08	0.08	271	0.3	<0.02	1.3	0.23	<0.1	<0.02
1079597	Soil	3.9	9.0	0.19	273.4	0.024	3	0.48	0.011	0.08	<0.1	0.8	0.08	0.07	185	0.4	0.02	1.8	0.37	<0.1	<0.02
REP 1079597	QC	3.7	8.6	0.18	257.4	0.024	2	0.50	0.010	0.09	<0.1	0.7	0.08	0.07	182	0.4	<0.02	1.8	0.36	<0.1	<0.02
1080660	Soil	1.8	9.5	0.15	242.3	0.018	3	0.39	0.005	0.09	<0.1	0.3	0.06	0.06	200	0.1	0.04	1.6	0.28	<0.1	<0.02
REP 1080660	QC	2.0	9.7	0.15	249.1	0.023	5	0.40	0.005	0.09	<0.1	0.4	0.07	0.06	245	<0.1	0.03	1.7	0.35	<0.1	<0.02
1080673	Soil	4.5	10.1	0.13	133.9	0.016	3	0.57	0.009	0.09	<0.1	0.9	0.07	0.09	359	0.2	<0.02	1.4	0.31	<0.1	<0.02
REP 1080673	QC	4.5	10.0	0.13	137.5	0.016	4	0.57	0.009	0.09	<0.1	0.9	0.07	0.10	352	0.3	0.04	1.3	0.31	<0.1	<0.02
Reference Materials																					
STD DS8	Standard	14.9	109.5	0.57	274.2	0.110	3	0.86	0.080	0.38	2.6	2.1	5.00	0.15	171	4.4	4.17	4.1	2.23	<0.1	0.08
STD DS8	Standard	11.1	112.1	0.58	242.4	0.103	3	0.81	0.071	0.38	2.8	1.7	5.11	0.15	228	4.6	4.56	3.9	2.31	<0.1	0.06
STD DS8	Standard	11.1	123.2	0.59	247.3	0.096	4	0.88	0.087	0.41	2.8	1.9	5.50	0.17	208	5.5	4.79	4.4	2.42	<0.1	0.08
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48	0.13	0.08
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02

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QUALITY CONTROL REPORT VAN11003560.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
Pulp Duplicates														
1079551	Soil	0.21	6.4	0.1	<0.05	0.2	5.56	19.4	<0.02	<1	0.5	2.2	<10	<2
REP 1079551	QC	0.16	6.5	0.2	<0.05	0.2	5.40	19.1	<0.02	<1	0.3	2.5	<10	<2
1079571	Soil	0.13	1.9	0.1	<0.05	0.6	7.92	12.8	<0.02	<1	0.2	0.7	<10	<2
REP 1079571	QC	0.13	2.2	0.1	<0.05	0.8	7.94	12.8	<0.02	4	0.2	1.0	<10	<2
1079586	Soil	0.23	6.0	0.2	<0.05	0.1	0.96	4.0	<0.02	<1	<0.1	1.3	<10	<2
REP 1079586	QC	0.24	6.0	0.2	<0.05	0.1	0.93	3.6	<0.02	<1	<0.1	1.3	11	<2
1079597	Soil	0.30	7.7	0.2	<0.05	0.2	2.05	7.2	<0.02	<1	0.1	1.6	<10	<2
REP 1079597	QC	0.28	7.5	0.1	<0.05	0.1	2.02	7.4	<0.02	<1	0.2	2.0	<10	<2
1080660	Soil	0.26	6.1	0.2	<0.05	0.1	0.78	3.3	<0.02	<1	<0.1	1.7	<10	<2
REP 1080660	QC	0.26	7.7	0.2	<0.05	0.1	0.76	3.7	<0.02	<1	<0.1	1.4	<10	<2
1080673	Soil	0.20	4.9	0.2	<0.05	0.3	2.53	8.6	<0.02	<1	0.3	1.1	<10	<2
REP 1080673	QC	0.18	4.7	0.1	<0.05	0.1	2.59	8.3	<0.02	<1	0.5	1.1	<10	<2
Reference Materials														
STD DS8	Standard	1.16	35.8	6.2	<0.05	2.0	5.63	26.0	2.01	42	4.6	26.2	100	287
STD DS8	Standard	1.01	33.6	6.3	<0.05	1.7	4.82	21.5	2.24	49	4.8	23.0	110	330
STD DS8	Standard	1.03	37.0	6.7	<0.05	1.8	4.64	22.0	2.33	61	4.8	27.6	101	341
STD DS8 Expected		1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2

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

www.acmelab.com

Client: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Submitted By: Kevin Byrne
Receiving Lab: Canada-Vancouver
Received: August 15, 2011
Report Date: September 04, 2011
Page: 1 of 6

CERTIFICATE OF ANALYSIS VAN11003922.1

CLIENT JOB INFORMATION

Project: 204900
Shipment ID: CRP_004
P.O. Number
Number of Samples: 140

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT Store After 90 days Invoice for Storage

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	140	Dry at 60C			VAN
SS80	140	Dry at 60C sieve 100g to -80 mesh			VAN
RJSV	140	Saving all or part of Soil Reject			VAN
1F06	122	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Teck Resources Limited
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3
Canada

CC: Rupa Mukherjee
Randy Farmer

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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Project: 204900
Report Date: September 04, 2011

CERTIFICATE OF ANALYSIS VAN11003922.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1079519	Soil	2.13	7.71	8.35	38.3	1259	3.7	2.2	899	0.22	0.6	<0.1	9.0	0.1	38.1	0.20	0.24	<0.02	6	0.47	0.134
1079520	Soil	1.14	9.47	8.50	96.4	650	6.4	4.3	>10000	0.36	0.6	<0.1	2.1	<0.1	42.9	0.50	0.18	<0.02	8	0.78	0.172
1079521	Soil	0.94	8.29	6.57	82.2	909	5.2	2.0	>10000	0.21	0.5	<0.1	1.9	<0.1	54.5	0.37	0.19	<0.02	4	0.91	0.136
1079522	Soil	1.23	8.07	7.44	58.0	1296	3.8	1.2	4604	0.15	0.2	<0.1	<0.2	<0.1	38.6	0.39	0.13	<0.02	2	0.56	0.136
1079523	Soil	1.33	6.61	5.92	40.6	553	3.4	2.0	2458	0.17	0.6	<0.1	0.6	<0.1	61.6	0.43	0.18	<0.02	3	1.03	0.137
1079524	Soil	2.04	13.41	10.86	59.0	2108	7.0	10.0	3259	0.39	0.5	0.2	<0.2	<0.1	57.7	0.29	0.21	<0.02	7	0.72	0.187
1079525	Soil	1.78	34.44	12.14	36.2	2487	12.2	31.6	3779	0.79	1.2	0.6	<0.2	<0.1	62.7	0.71	0.29	<0.02	11	0.52	0.272
1079526	Soil	1.55	18.03	6.31	34.9	513	9.1	6.1	450	0.41	0.9	0.4	<0.2	<0.1	62.0	0.60	0.33	<0.02	6	0.81	0.164
1079527	Soil	1.41	13.73	6.57	30.6	713	6.8	2.0	232	0.25	0.6	0.2	<0.2	0.1	55.7	0.49	0.26	<0.02	4	0.86	0.119
1079528	Soil	1.73	11.94	9.85	115.3	615	9.9	6.7	8526	0.39	0.5	0.2	<0.2	0.1	64.5	1.37	0.23	<0.02	5	1.12	0.172
1079529	Soil	1.36	18.04	8.41	59.1	1094	9.7	4.7	3066	0.37	0.4	0.2	<0.2	<0.1	54.1	1.26	0.24	<0.02	6	0.80	0.124
1079530	Soil	1.56	16.37	10.32	58.6	889	7.8	3.4	3463	0.32	0.3	0.2	<0.2	0.2	49.4	0.87	0.21	<0.02	5	0.72	0.144
1079531	Soil	1.45	12.94	6.91	56.6	711	6.7	6.8	3344	0.31	0.5	0.2	<0.2	0.1	55.7	0.79	0.20	<0.02	4	1.06	0.148
1079532	Soil	1.28	16.62	7.34	77.1	969	9.4	8.3	4867	0.37	0.4	0.3	<0.2	<0.1	62.7	0.85	0.23	<0.02	6	0.94	0.156
1079533	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079534	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079535	Soil	1.34	13.48	4.68	41.8	348	5.7	2.6	904	0.41	0.4	0.2	0.3	<0.1	36.0	0.18	0.10	<0.02	4	0.62	0.179
1079536	Soil	1.40	7.70	4.79	39.2	1025	3.1	2.5	1104	0.15	0.5	<0.1	<0.2	<0.1	28.8	0.24	0.09	<0.02	<2	0.48	0.168
1079537	Soil	1.51	15.55	5.31	24.1	859	7.2	9.5	439	0.39	1.0	0.2	2.0	0.2	38.4	0.25	0.15	<0.02	5	0.35	0.170
1079538	Soil	1.50	4.48	4.55	32.0	365	3.3	1.5	614	0.10	0.5	<0.1	0.2	<0.1	51.2	0.08	0.07	<0.02	<2	0.70	0.131
1079539	Soil	0.96	8.62	6.36	116.4	564	3.5	1.6	8500	0.10	0.2	<0.1	<0.2	<0.1	43.3	0.48	0.04	<0.02	<2	0.96	0.146
1079540	Soil	1.28	35.63	10.60	61.2	1911	17.4	20.3	6441	1.06	1.7	0.4	0.4	<0.1	68.6	0.82	0.27	<0.02	16	0.59	0.235
1079541	Soil	2.24	12.73	4.46	37.7	363	7.8	2.9	184	0.47	1.2	0.1	0.4	0.1	39.4	0.63	0.16	<0.02	10	0.82	0.082
1079542	Soil	2.67	22.81	3.74	26.6	503	15.4	3.1	485	0.66	1.2	0.2	0.3	0.1	56.4	1.03	0.37	<0.02	12	1.25	0.099
1079543	Soil	2.97	12.32	4.22	51.2	266	9.1	4.3	373	0.42	0.6	<0.1	2.9	0.1	51.5	1.58	0.08	<0.02	11	1.06	0.099
1079544	Soil	1.14	5.79	5.06	104.4	957	5.8	1.9	363	0.14	0.3	<0.1	<0.2	<0.1	44.5	1.40	0.06	<0.02	<2	0.73	0.101
1079545	Soil	1.44	6.21	5.78	54.0	540	5.1	2.0	579	0.15	0.6	<0.1	<0.2	<0.1	22.4	1.14	0.08	<0.02	2	0.53	0.101
1079751	Soil	1.32	48.98	5.85	97.2	444	22.5	18.3	2410	1.17	1.2	0.4	0.8	0.1	66.7	1.10	0.13	<0.02	25	1.51	0.119
1079752	Soil	0.78	42.86	5.96	76.6	659	17.3	22.0	2217	1.44	1.6	0.4	0.5	0.1	58.1	0.89	0.14	<0.02	30	1.30	0.162
1079753	Soil	0.69	25.63	5.24	76.6	746	12.3	10.6	2878	1.18	1.4	0.3	1.9	0.1	40.8	0.82	0.16	<0.02	29	0.69	0.113

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Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: September 04, 2011

CERTIFICATE OF ANALYSIS VAN11003922.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
1079519	Soil	0.9	3.9	0.09	161.2	0.009	3	0.16	0.015	0.10	0.2	0.9	0.22	0.14	439	0.3	0.02	0.6	0.42	<0.1	0.02
1079520	Soil	0.9	5.3	0.10	433.9	0.011	4	0.21	0.011	0.14	<0.1	0.8	0.47	0.15	583	0.4	0.03	0.9	0.71	<0.1	<0.02
1079521	Soil	0.7	3.7	0.08	430.1	0.008	4	0.15	0.011	0.13	<0.1	0.9	0.61	0.14	624	0.5	<0.02	0.6	0.35	<0.1	<0.02
1079522	Soil	0.6	3.0	0.07	256.6	0.007	3	0.15	0.013	0.10	<0.1	0.8	0.44	0.13	434	0.5	<0.02	0.5	0.45	<0.1	<0.02
1079523	Soil	0.5	3.5	0.07	306.3	0.006	4	0.14	0.010	0.12	<0.1	0.9	0.12	0.12	510	0.5	<0.02	0.4	0.32	<0.1	<0.02
1079524	Soil	3.6	6.2	0.11	236.0	0.012	3	0.38	0.014	0.13	<0.1	1.0	0.15	0.15	613	0.4	<0.02	0.9	0.46	<0.1	<0.02
1079525	Soil	13.2	6.9	0.13	245.7	0.006	2	0.77	0.012	0.13	<0.1	0.6	0.16	0.15	442	0.4	<0.02	1.4	0.36	<0.1	<0.02
1079526	Soil	9.3	5.0	0.15	172.4	0.009	3	0.44	0.016	0.12	<0.1	2.0	0.05	0.14	349	0.3	<0.02	0.8	0.29	<0.1	<0.02
1079527	Soil	6.2	4.2	0.12	88.9	0.007	3	0.24	0.013	0.10	<0.1	1.4	0.03	0.14	393	0.4	0.03	0.5	0.20	<0.1	<0.02
1079528	Soil	6.7	5.0	0.12	440.3	0.010	4	0.39	0.009	0.16	<0.1	1.6	0.13	0.14	548	0.4	<0.02	0.9	0.46	<0.1	<0.02
1079529	Soil	5.0	5.7	0.08	524.8	0.012	2	0.33	0.011	0.09	<0.1	1.3	0.14	0.12	446	0.4	<0.02	1.0	0.40	<0.1	<0.02
1079530	Soil	4.9	4.9	0.09	468.4	0.010	2	0.29	0.013	0.11	<0.1	1.3	0.18	0.14	516	0.4	<0.02	0.7	0.37	<0.1	<0.02
1079531	Soil	3.7	4.0	0.10	309.2	0.009	4	0.31	0.013	0.10	<0.1	1.3	0.16	0.14	466	0.4	<0.02	0.7	0.37	<0.1	<0.02
1079532	Soil	8.5	5.2	0.11	371.6	0.011	3	0.39	0.013	0.13	<0.1	1.4	0.11	0.14	479	0.3	<0.02	0.8	0.33	<0.1	<0.02
1079533	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079534	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079535	Soil	2.5	4.7	0.09	169.8	0.011	2	0.45	0.014	0.12	<0.1	1.3	0.13	0.13	489	0.3	<0.02	0.7	0.51	<0.1	<0.02
1079536	Soil	1.2	2.4	0.09	117.7	0.005	2	0.16	0.011	0.20	<0.1	1.2	0.15	0.12	403	0.3	<0.02	0.2	0.23	<0.1	<0.02
1079537	Soil	4.4	5.5	0.11	134.4	0.011	1	0.48	0.015	0.11	<0.1	1.5	0.05	0.12	245	0.4	0.02	0.7	0.28	<0.1	0.03
1079538	Soil	0.6	3.0	0.09	126.4	0.006	2	0.09	0.010	0.12	<0.1	0.6	0.08	0.14	380	0.3	0.03	0.3	0.31	<0.1	<0.02
1079539	Soil	<0.5	2.9	0.08	307.0	0.004	5	0.11	0.010	0.14	<0.1	0.8	0.35	0.16	533	0.4	<0.02	0.3	0.44	<0.1	<0.02
1079540	Soil	15.4	10.1	0.17	338.9	0.009	2	1.05	0.012	0.10	<0.1	0.8	0.14	0.16	494	0.3	0.02	2.0	0.41	<0.1	<0.02
1079541	Soil	3.5	7.7	0.16	103.6	0.016	2	0.34	0.013	0.06	<0.1	1.3	<0.02	0.11	191	0.4	<0.02	1.0	0.15	<0.1	<0.02
1079542	Soil	7.4	10.7	0.28	78.1	0.016	2	0.53	0.011	0.07	<0.1	1.8	0.04	0.12	214	0.3	<0.02	1.3	0.33	<0.1	<0.02
1079543	Soil	2.2	8.8	0.18	92.2	0.017	2	0.28	0.012	0.09	<0.1	1.0	0.03	0.14	186	0.5	<0.02	1.1	0.19	<0.1	<0.02
1079544	Soil	1.0	3.7	0.11	103.0	0.006	2	0.17	0.012	0.09	<0.1	0.7	0.02	0.12	254	0.5	<0.02	0.4	0.14	<0.1	<0.02
1079545	Soil	0.5	3.7	0.08	78.9	0.006	2	0.19	0.011	0.08	<0.1	0.9	0.06	0.11	384	0.6	<0.02	0.3	0.22	<0.1	<0.02
1079751	Soil	9.1	16.0	0.30	293.9	0.027	4	0.90	0.011	0.15	0.1	1.7	0.08	0.11	245	0.3	0.03	2.4	0.51	<0.1	<0.02
1079752	Soil	8.7	19.3	0.25	254.0	0.034	4	1.06	0.011	0.11	0.1	1.8	0.05	0.07	209	0.3	<0.02	3.3	0.54	<0.1	<0.02
1079753	Soil	6.7	17.2	0.21	226.3	0.040	3	0.77	0.012	0.11	0.1	1.5	0.08	0.05	172	0.4	<0.02	3.1	0.51	<0.1	<0.02

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CERTIFICATE OF ANALYSIS VAN11003922.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1079519	Soil	0.15	4.9	0.3	<0.05	0.2	0.44	1.8	0.04	<1	<0.1	0.3	<10	<2
1079520	Soil	0.11	8.5	0.2	<0.05	0.1	0.43	1.9	0.02	1	<0.1	0.5	<10	<2
1079521	Soil	0.07	5.6	0.2	<0.05	0.1	0.28	1.6	<0.02	2	<0.1	0.2	<10	<2
1079522	Soil	0.07	5.5	0.1	<0.05	0.1	0.20	1.2	<0.02	<1	<0.1	0.1	<10	<2
1079523	Soil	0.06	4.5	0.1	<0.05	0.1	0.22	1.0	<0.02	2	<0.1	0.2	<10	<2
1079524	Soil	0.13	6.8	0.2	<0.05	<0.1	1.74	7.2	<0.02	1	0.1	0.6	<10	<2
1079525	Soil	0.11	5.7	0.2	<0.05	<0.1	8.30	30.1	<0.02	2	0.5	0.9	<10	<2
1079526	Soil	0.08	2.8	0.2	<0.05	0.2	7.60	17.2	<0.02	<1	0.3	0.7	<10	<2
1079527	Soil	0.09	2.4	0.2	<0.05	0.2	5.75	11.2	<0.02	2	0.1	0.4	<10	<2
1079528	Soil	0.09	5.9	0.1	<0.05	0.2	5.86	15.2	<0.02	2	0.1	0.7	<10	<2
1079529	Soil	0.11	4.8	0.2	<0.05	0.2	3.26	10.3	<0.02	<1	0.1	0.7	<10	<2
1079530	Soil	0.11	4.7	0.1	<0.05	0.1	2.93	9.4	<0.02	<1	0.2	0.5	<10	<2
1079531	Soil	0.07	4.5	0.2	<0.05	0.2	2.32	8.0	<0.02	3	0.1	0.4	<10	<2
1079532	Soil	0.09	5.5	0.1	<0.05	0.1	5.42	17.1	<0.02	<1	0.2	0.4	<10	<2
1079533	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079534	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079535	Soil	0.10	10.8	<0.1	<0.05	0.2	1.61	4.8	<0.02	<1	0.1	0.3	<10	<2
1079536	Soil	0.04	7.8	<0.1	<0.05	<0.1	0.79	2.5	<0.02	<1	<0.1	0.1	<10	<2
1079537	Soil	0.14	7.9	0.2	<0.05	0.5	3.29	8.9	<0.02	<1	0.2	0.5	<10	<2
1079538	Soil	0.06	7.0	0.1	<0.05	0.2	0.24	1.0	<0.02	<1	<0.1	0.1	<10	<2
1079539	Soil	0.03	6.3	<0.1	<0.05	0.1	0.17	0.8	<0.02	<1	<0.1	0.1	<10	<2
1079540	Soil	0.13	5.9	0.1	<0.05	<0.1	12.01	38.2	<0.02	<1	0.4	1.3	<10	<2
1079541	Soil	0.18	1.7	<0.1	<0.05	0.4	2.58	6.5	<0.02	<1	<0.1	0.9	<10	<2
1079542	Soil	0.24	4.1	0.1	<0.05	0.5	6.26	15.0	<0.02	<1	0.2	1.4	<10	<2
1079543	Soil	0.18	2.6	<0.1	<0.05	0.5	0.71	3.8	<0.02	<1	<0.1	0.9	<10	<2
1079544	Soil	0.07	1.2	<0.1	<0.05	0.2	0.60	1.7	<0.02	<1	<0.1	0.2	<10	<2
1079545	Soil	0.06	1.6	0.1	<0.05	0.2	0.26	1.1	<0.02	<1	<0.1	0.2	<10	<2
1079751	Soil	0.35	10.6	0.1	<0.05	0.2	7.15	19.1	<0.02	<1	0.4	3.0	10	<2
1079752	Soil	0.49	8.0	0.2	<0.05	0.1	4.97	21.3	<0.02	<1	0.6	2.7	10	2
1079753	Soil	0.40	13.0	0.2	<0.05	0.2	2.84	17.6	<0.02	<1	0.3	2.4	<10	<2

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: September 04, 2011

CERTIFICATE OF ANALYSIS VAN11003922.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1079754	Soil	1.03	16.34	4.58	97.7	576	13.2	10.8	6429	0.69	1.0	0.1	1.4	<0.1	59.9	1.22	0.12	<0.02	18	1.04	0.087
1079755	Soil	0.93	11.97	5.42	52.8	767	7.1	4.3	590	0.36	0.5	<0.1	<0.2	<0.1	26.1	0.44	0.07	<0.02	8	0.57	0.112
1079756	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079757	Soil	1.06	53.89	5.55	104.1	1228	24.3	16.7	4052	1.45	1.5	0.6	1.5	<0.1	75.0	0.93	0.16	<0.02	28	1.40	0.143
1079758	Soil	1.00	15.21	5.78	316.7	516	9.6	10.1	9766	0.27	<0.1	<0.1	0.3	<0.1	105.8	2.78	0.05	<0.02	4	2.49	0.123
1079759	Soil	1.25	22.59	4.37	141.2	556	14.7	10.6	4722	0.51	<0.1	0.2	0.2	<0.1	92.4	1.84	0.07	<0.02	12	1.70	0.107
1079760	Soil	0.97	32.72	6.00	84.2	1076	12.1	17.7	6029	0.67	1.5	0.4	5.0	<0.1	74.9	1.51	0.30	0.09	13	1.02	0.152
1079761	Soil	1.28	24.58	9.16	88.6	625	9.0	37.8	5146	0.78	1.2	0.3	2.5	<0.1	59.9	0.76	0.23	0.07	16	0.88	0.156
1079762	Soil	1.12	9.37	60.46	129.0	1488	7.0	5.8	9792	0.15	0.7	<0.1	2.0	<0.1	84.7	1.42	0.17	0.05	2	1.32	0.200
1079763	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079764	Soil	0.81	34.11	4.06	25.5	559	10.5	11.9	229	0.92	1.2	0.8	1.8	<0.1	64.1	0.41	0.44	0.04	9	0.53	0.252
1079765	Soil	0.73	30.09	4.55	47.3	446	9.6	6.0	950	0.86	1.6	0.6	2.0	<0.1	69.1	0.39	0.24	0.03	15	1.06	0.222
1079766	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079767	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079768	Soil	1.54	13.01	6.47	56.2	463	6.8	2.3	463	0.25	0.5	<0.1	0.9	<0.1	39.9	0.98	0.18	0.03	5	0.64	0.122
1079769	Soil	1.01	37.99	3.37	31.1	519	19.2	5.5	338	1.35	2.9	0.9	2.3	0.2	87.9	0.88	0.99	0.05	21	1.60	0.155
1079770	Soil	1.14	24.49	5.57	44.5	628	11.1	6.1	1275	0.69	1.4	0.3	1.2	<0.1	59.0	1.34	0.29	0.04	14	0.68	0.115
1079771	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079772	Soil	1.15	28.04	6.25	35.3	1330	12.2	6.2	358	0.85	1.2	0.4	2.2	<0.1	50.9	0.66	0.36	0.05	12	0.45	0.147
1079773	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079774	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079775	Soil	1.17	8.56	6.15	50.9	474	5.6	3.0	2544	0.34	0.6	<0.1	1.6	<0.1	71.5	1.45	0.14	0.05	9	0.95	0.104
1079776	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079777	Soil	0.73	8.31	5.93	57.1	446	2.8	0.9	580	0.09	0.3	<0.1	1.3	<0.1	33.0	1.04	0.15	0.02	<2	0.49	0.138
1079778	Soil	1.02	10.76	5.06	43.4	530	7.1	1.2	602	0.17	0.4	<0.1	1.2	<0.1	29.9	0.73	0.13	0.02	3	0.53	0.137
1079779	Soil	0.87	23.06	6.91	194.0	869	19.9	12.2	>10000	0.45	0.9	0.3	1.5	0.1	98.6	3.94	0.34	0.03	5	1.73	0.230
1079780	Soil	1.25	30.49	6.36	30.5	1156	13.9	11.4	1284	0.81	1.4	0.7	0.9	0.1	70.4	1.23	0.64	0.04	10	0.88	0.172
1079781	Soil	1.08	25.84	5.76	41.9	677	9.9	3.6	123	0.53	1.1	0.3	1.1	0.1	68.8	1.12	0.33	0.04	7	0.69	0.127
1079782	Soil	1.11	13.44	7.54	118.5	943	5.9	4.4	4570	0.45	1.0	0.1	1.4	<0.1	61.0	0.94	0.21	0.03	10	1.09	0.131
1079783	Soil	1.13	16.46	8.54	44.2	830	6.7	3.3	387	0.33	0.9	0.2	1.1	<0.1	44.5	1.08	0.20	0.04	5	0.39	0.141

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Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

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CERTIFICATE OF ANALYSIS VAN11003922.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
1079754	Soil	3.6	10.4	0.16	450.6	0.026	3	0.48	0.010	0.11	<0.1	0.8	0.13	0.09	253	0.5	<0.02	1.8	0.45	<0.1	<0.02
1079755	Soil	1.6	6.4	0.11	121.9	0.014	3	0.37	0.012	0.08	<0.1	0.7	0.04	0.11	293	0.4	<0.02	1.1	0.19	<0.1	<0.02
1079756	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079757	Soil	8.9	21.1	0.28	493.7	0.024	3	1.32	0.010	0.12	0.1	1.6	0.12	0.08	286	0.4	<0.02	3.6	0.69	<0.1	<0.02
1079758	Soil	2.1	4.6	0.14	842.7	0.010	8	0.27	0.010	0.12	<0.1	0.9	0.19	0.13	438	0.4	<0.02	0.8	0.32	<0.1	<0.02
1079759	Soil	3.6	7.2	0.14	571.3	0.011	3	0.38	0.010	0.14	<0.1	0.4	0.14	0.10	272	0.4	<0.02	1.3	0.62	<0.1	<0.02
1079760	Soil	9.3	7.3	0.14	484.8	0.016	4	0.66	0.009	0.08	0.1	1.2	0.16	0.10	336	0.3	0.03	1.5	0.44	<0.1	<0.02
1079761	Soil	2.5	7.9	0.10	263.8	0.014	4	0.39	0.007	0.08	<0.1	0.6	0.13	0.09	245	0.2	0.02	1.7	0.32	<0.1	<0.02
1079762	Soil	2.1	2.5	0.14	524.7	0.004	5	0.22	0.006	0.15	<0.1	0.5	0.37	0.14	564	0.4	<0.02	0.4	0.34	<0.1	<0.02
1079763	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079764	Soil	14.0	7.3	0.17	178.6	0.009	4	1.00	0.007	0.08	<0.1	0.8	0.08	0.13	293	0.4	0.04	1.3	0.28	<0.1	<0.02
1079765	Soil	7.9	10.9	0.28	264.7	0.009	5	0.67	0.008	0.13	<0.1	0.9	0.07	0.14	206	0.3	<0.02	1.5	0.32	<0.1	<0.02
1079766	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079767	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079768	Soil	2.0	3.5	0.10	136.8	0.008	3	0.24	0.008	0.07	<0.1	0.7	0.06	0.10	232	0.3	0.02	0.6	0.16	<0.1	<0.02
1079769	Soil	10.5	19.1	0.41	170.5	0.014	2	1.20	0.010	0.07	<0.1	2.3	0.08	0.12	167	0.6	<0.02	2.7	0.43	<0.1	<0.02
1079770	Soil	6.3	9.0	0.22	208.3	0.015	2	0.52	0.007	0.07	<0.1	1.3	0.07	0.07	180	0.3	<0.02	1.5	0.37	<0.1	<0.02
1079771	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079772	Soil	7.7	10.4	0.20	172.9	0.018	2	0.76	0.007	0.06	<0.1	1.4	0.08	0.08	231	0.4	0.05	2.1	0.41	<0.1	<0.02
1079773	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079774	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079775	Soil	1.6	6.1	0.11	356.4	0.017	4	0.27	0.007	0.08	<0.1	0.7	0.21	0.05	229	0.3	<0.02	1.3	0.48	<0.1	<0.02
1079776	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079777	Soil	<0.5	2.2	0.06	136.6	0.002	2	0.12	0.006	0.10	<0.1	0.6	0.09	0.10	470	0.2	<0.02	0.2	0.14	<0.1	<0.02
1079778	Soil	1.0	25.0	0.09	107.6	0.006	4	0.21	0.008	0.10	<0.1	0.6	0.07	0.10	276	0.3	<0.02	0.4	0.16	<0.1	<0.02
1079779	Soil	10.6	6.0	0.17	771.8	0.008	6	0.63	0.007	0.13	<0.1	1.3	0.54	0.10	461	0.7	0.03	1.1	0.42	<0.1	<0.02
1079780	Soil	12.5	9.7	0.24	207.0	0.013	3	0.83	0.006	0.10	<0.1	2.2	0.09	0.09	232	0.4	<0.02	1.5	0.35	<0.1	<0.02
1079781	Soil	10.5	5.9	0.18	194.7	0.012	2	0.47	0.008	0.08	<0.1	1.7	0.05	0.09	216	0.4	<0.02	1.1	0.17	<0.1	<0.02
1079782	Soil	2.2	5.9	0.15	370.1	0.013	5	0.34	0.007	0.11	<0.1	0.8	0.10	0.08	311	0.3	0.02	1.2	0.51	<0.1	<0.02
1079783	Soil	3.9	4.6	0.12	184.1	0.011	2	0.47	0.008	0.09	<0.1	1.2	0.10	0.09	212	0.4	<0.02	0.9	0.19	<0.1	<0.02

Acme Analytical Laboratories (Vancouver) Ltd.
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Vancouver BC V6C 0B3 Canada

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Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1079754	Soil	0.26	11.3	0.2	<0.05	<0.1	1.52	7.8	<0.02	<1	0.2	1.4	<10	<2
1079755	Soil	0.17	3.0	0.1	<0.05	<0.1	0.75	3.1	<0.02	2	<0.1	0.5	<10	<2
1079756	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079757	Soil	0.39	8.2	0.2	<0.05	0.2	5.70	17.7	<0.02	<1	0.5	2.9	11	<2
1079758	Soil	0.12	6.2	<0.1	<0.05	0.2	1.47	5.1	<0.02	<1	<0.1	0.5	<10	<2
1079759	Soil	0.15	10.8	0.1	<0.05	<0.1	2.18	8.2	<0.02	1	0.2	0.7	<10	<2
1079760	Soil	0.18	7.8	0.2	<0.05	0.2	7.05	25.2	0.05	2	0.3	1.2	<10	<2
1079761	Soil	0.16	5.0	0.2	<0.05	0.1	0.94	13.6	0.02	<1	<0.1	0.7	<10	<2
1079762	Soil	0.03	7.1	0.1	<0.05	0.2	1.15	4.9	<0.02	<1	<0.1	0.4	<10	<2
1079763	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079764	Soil	0.13	3.2	0.1	<0.05	<0.1	10.49	28.4	<0.02	2	0.5	1.1	<10	<2
1079765	Soil	0.16	4.6	0.1	<0.05	<0.1	4.85	15.2	<0.02	1	0.3	2.1	<10	<2
1079766	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079767	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079768	Soil	0.08	3.4	<0.1	<0.05	0.1	1.43	4.3	<0.02	<1	<0.1	0.5	<10	<2
1079769	Soil	0.29	6.5	0.2	<0.05	0.6	11.89	20.2	<0.02	2	0.4	2.9	<10	<2
1079770	Soil	0.18	4.3	0.1	<0.05	0.2	5.10	16.3	<0.02	<1	0.3	2.0	<10	<2
1079771	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079772	Soil	0.21	3.8	0.2	<0.05	0.1	5.13	18.2	<0.02	1	0.2	1.4	<10	<2
1079773	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079774	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079775	Soil	0.13	9.0	0.1	<0.05	0.2	0.61	2.8	<0.02	2	0.1	0.7	<10	<2
1079776	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079777	Soil	<0.02	3.3	0.1	<0.05	<0.1	0.20	0.7	<0.02	3	<0.1	0.1	<10	<2
1079778	Soil	0.05	3.0	<0.1	<0.05	<0.1	0.66	2.0	<0.02	<1	<0.1	0.3	<10	<2
1079779	Soil	0.08	7.8	<0.1	<0.05	0.2	7.17	29.2	<0.02	<1	0.4	0.7	<10	<2
1079780	Soil	0.13	4.0	0.1	<0.05	0.2	9.52	32.3	<0.02	1	0.3	1.6	<10	<2
1079781	Soil	0.10	1.9	0.1	<0.05	0.2	7.66	23.0	<0.02	<1	0.4	0.7	<10	<2
1079782	Soil	0.14	6.8	0.1	<0.05	0.2	1.41	5.2	<0.02	<1	<0.1	1.0	<10	<2
1079783	Soil	0.10	3.4	0.2	<0.05	<0.1	3.03	9.1	<0.02	<1	0.2	0.6	<10	<2

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: September 04, 2011

CERTIFICATE OF ANALYSIS VAN11003922.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1079784	Soil	1.91	18.08	8.36	56.5	318	9.1	14.5	3401	0.40	1.0	0.2	1.1	<0.1	72.8	0.60	0.26	0.03	7	0.73	0.164
1079785	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079786	Soil	16.62	27.68	6.86	79.1	213	31.8	149.2	>10000	5.68	14.6	0.5	2.3	0.4	119.1	4.12	0.92	0.08	51	1.95	0.186
1079787	Soil	1.36	16.19	5.73	26.0	296	8.1	5.4	1211	0.68	0.9	0.2	0.9	<0.1	77.2	0.97	0.30	0.04	13	1.34	0.111
1079788	Soil	1.16	6.11	6.58	44.7	536	2.4	0.7	346	0.14	0.4	<0.1	1.4	<0.1	24.3	0.77	0.17	<0.02	2	0.47	0.122
1079789	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079790	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079791	Soil	0.98	24.81	7.95	25.3	572	11.0	2.8	304	0.66	1.5	0.3	1.4	0.1	81.3	1.17	0.43	0.06	14	1.45	0.121
1079792	Soil	0.98	6.42	7.72	57.4	536	3.1	0.9	365	0.12	0.2	<0.1	1.3	<0.1	28.8	0.68	0.18	0.03	<2	0.47	0.142
1079793	Soil	1.89	8.66	7.61	43.4	696	5.5	2.0	817	0.18	0.4	<0.1	1.0	<0.1	36.9	0.99	0.19	0.03	3	0.67	0.153
1079794	Soil	1.29	9.84	6.89	52.9	1103	3.9	1.8	931	0.22	0.3	0.1	1.5	<0.1	34.7	0.57	0.21	0.02	4	0.53	0.180
1079795	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079796	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079797	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079798	Soil	1.38	6.99	6.84	43.5	425	4.2	1.4	853	0.24	0.4	<0.1	3.6	<0.1	20.3	0.87	0.16	0.21	7	0.35	0.090
1079799	Soil	1.47	7.60	6.87	59.1	430	6.6	2.5	103	0.18	0.3	<0.1	2.9	<0.1	40.2	3.42	0.13	0.11	5	0.43	0.074
1079800	Soil	2.56	28.05	5.67	37.5	557	18.2	5.4	539	1.14	1.9	0.5	2.7	0.2	46.5	0.92	0.36	0.12	24	1.20	0.080
1080438	Soil	1.20	17.90	7.13	37.6	1495	9.7	6.9	1454	0.73	0.4	0.3	0.6	<0.1	39.6	0.38	0.23	0.07	9	0.45	0.129
1080439	Soil	0.86	9.39	7.14	97.1	341	5.0	2.2	2717	0.31	0.8	<0.1	0.5	<0.1	45.3	0.45	0.13	0.06	7	0.94	0.077
1080440	Soil	1.15	11.94	9.95	108.6	1127	6.5	6.6	6572	0.33	0.7	0.1	<0.2	<0.1	68.9	0.92	0.20	0.07	7	1.33	0.099
1080441	Soil	0.87	9.49	6.91	68.6	363	5.8	2.2	1678	0.53	1.2	<0.1	0.6	<0.1	26.4	0.58	0.17	0.06	13	0.50	0.071
1080442	Soil	1.09	12.29	4.56	40.5	333	5.5	6.5	1060	0.42	0.6	<0.1	2.0	<0.1	45.0	0.51	0.16	0.04	9	0.66	0.081
1080443	Soil	1.24	17.29	6.37	43.2	686	7.3	5.1	394	0.57	0.8	0.2	<0.2	<0.1	37.3	0.45	0.19	0.05	6	0.48	0.114
1080444	Soil	0.99	10.70	5.21	219.4	769	9.7	3.9	7613	0.31	0.6	<0.1	<0.2	<0.1	71.6	0.60	0.13	0.06	7	1.50	0.085
1080445	Soil	0.98	15.77	4.26	152.2	575	13.3	27.6	>10000	0.98	1.5	0.2	1.4	<0.1	63.2	0.83	0.15	0.06	24	1.65	0.089
1080446	Soil	1.29	10.95	5.35	60.4	614	6.8	10.2	1083	0.55	0.4	0.2	0.2	<0.1	36.0	0.58	0.17	0.04	7	0.63	0.108
1080447	Soil	0.89	13.77	4.82	63.4	755	6.5	3.5	2307	0.58	0.9	<0.1	0.3	<0.1	32.0	0.73	0.15	0.05	15	0.66	0.068
1080448	Soil	1.41	7.17	6.84	52.2	450	3.4	1.3	858	0.24	0.5	<0.1	0.2	<0.1	26.0	0.36	0.15	0.05	6	0.50	0.084
1080449	Soil	1.33	10.15	6.16	91.1	876	6.4	4.3	6522	0.50	0.6	<0.1	<0.2	<0.1	32.8	0.91	0.18	0.05	13	0.51	0.080
1080450	Soil	1.19	19.60	9.64	46.3	1109	12.2	15.7	5658	0.69	0.5	0.2	0.3	<0.1	62.3	0.84	0.37	0.06	12	0.72	0.098

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Vancouver BC V6C 0B3 Canada

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CERTIFICATE OF ANALYSIS VAN11003922.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
1079784	Soil	6.3	5.4	0.15	272.5	0.011	2	0.42	0.010	0.11	<0.1	1.1	0.10	0.09	234	0.3	<0.02	0.9	0.30	<0.1	<0.02
1079785	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079786	Soil	7.9	17.9	0.31	911.0	0.014	4	0.99	0.013	0.08	<0.1	1.9	0.37	0.16	241	0.9	0.09	2.8	0.41	0.1	0.02
1079787	Soil	3.8	7.7	0.27	123.2	0.015	2	0.44	0.009	0.07	<0.1	1.1	0.07	0.08	156	0.2	<0.02	1.4	0.23	<0.1	<0.02
1079788	Soil	0.6	2.3	0.08	99.6	0.005	2	0.14	0.009	0.07	<0.1	0.7	0.09	0.09	251	0.3	<0.02	0.3	0.16	<0.1	<0.02
1079789	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079790	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079791	Soil	7.2	9.5	0.21	153.3	0.014	4	0.51	0.010	0.08	<0.1	1.7	0.06	0.10	189	0.3	<0.02	1.3	0.20	<0.1	<0.02
1079792	Soil	<0.5	2.5	0.08	124.3	0.005	4	0.13	0.008	0.11	<0.1	0.6	0.08	0.10	259	0.2	<0.02	0.3	0.24	<0.1	<0.02
1079793	Soil	2.4	3.3	0.11	182.8	0.007	4	0.19	0.009	0.13	<0.1	1.0	0.11	0.10	312	0.3	<0.02	0.4	0.28	<0.1	<0.02
1079794	Soil	1.4	3.8	0.10	133.9	0.009	4	0.21	0.007	0.14	<0.1	1.2	0.13	0.10	299	0.1	<0.02	0.5	0.24	<0.1	<0.02
1079795	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079796	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079797	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079798	Soil	1.4	4.1	0.08	73.7	0.012	3	0.19	0.011	0.08	<0.1	0.7	0.05	0.08	193	0.2	<0.02	0.8	0.16	<0.1	<0.02
1079799	Soil	1.2	3.0	0.09	134.4	0.009	1	0.18	0.010	0.07	<0.1	0.6	0.02	0.10	214	0.5	<0.02	0.4	0.11	<0.1	<0.02
1079800	Soil	7.8	17.5	0.25	133.8	0.025	2	0.92	0.009	0.07	0.1	2.2	0.04	0.09	183	0.3	0.02	2.4	0.41	<0.1	0.03
1080438	Soil	8.7	7.6	0.08	320.6	0.006	2	0.84	0.006	0.06	<0.1	0.5	0.17	0.10	370	0.2	<0.02	1.3	0.31	<0.1	<0.02
1080439	Soil	1.8	4.6	0.07	356.3	0.010	3	0.28	0.007	0.06	<0.1	0.6	0.13	0.10	332	0.2	<0.02	0.9	0.25	<0.1	<0.02
1080440	Soil	2.4	4.4	0.09	793.1	0.009	4	0.30	0.006	0.07	<0.1	0.7	0.56	0.12	569	0.4	<0.02	0.9	0.47	<0.1	<0.02
1080441	Soil	1.9	7.8	0.09	175.8	0.016	2	0.44	0.006	0.06	<0.1	0.7	0.07	0.08	350	0.3	<0.02	1.4	0.23	<0.1	<0.02
1080442	Soil	3.1	5.0	0.11	161.5	0.013	2	0.36	0.007	0.06	<0.1	0.9	0.05	0.09	215	0.4	0.02	1.1	0.28	<0.1	<0.02
1080443	Soil	5.6	3.9	0.07	206.4	0.009	1	0.49	0.010	0.08	<0.1	1.3	0.05	0.09	260	0.3	<0.02	0.9	0.14	<0.1	<0.02
1080444	Soil	1.7	5.2	0.08	552.8	0.011	3	0.37	0.008	0.07	<0.1	0.8	0.16	0.10	778	0.4	<0.02	1.0	0.32	<0.1	<0.02
1080445	Soil	4.4	12.7	0.20	487.1	0.014	3	0.78	0.006	0.07	<0.1	0.8	0.11	0.08	325	0.2	<0.02	2.5	0.30	<0.1	<0.02
1080446	Soil	5.8	5.6	0.08	212.1	0.010	2	0.55	0.008	0.07	<0.1	1.4	0.04	0.09	238	0.2	<0.02	1.2	0.17	<0.1	<0.02
1080447	Soil	2.2	8.2	0.13	176.0	0.018	2	0.44	0.006	0.07	<0.1	0.6	0.06	0.08	325	0.3	<0.02	1.5	0.23	<0.1	<0.02
1080448	Soil	1.2	3.9	0.06	121.9	0.009	2	0.29	0.005	0.07	<0.1	0.7	0.03	0.09	274	0.3	<0.02	0.7	0.13	<0.1	<0.02
1080449	Soil	3.4	7.6	0.10	265.2	0.018	1	0.47	0.007	0.07	<0.1	0.7	0.06	0.08	257	0.4	<0.02	1.6	0.35	<0.1	<0.02
1080450	Soil	10.9	8.3	0.14	331.1	0.012	1	0.83	0.005	0.07	<0.1	1.1	0.11	0.08	479	0.3	<0.02	1.7	0.27	<0.1	<0.02

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	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1079784	Soil	0.11	3.0	0.1	<0.05	0.1	4.91	16.9	<0.02	<1	0.3	0.7	<10	<2
1079785	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079786	Soil	0.27	4.7	0.1	<0.05	0.8	8.74	59.4	0.02	4	0.2	1.8	<10	<2
1079787	Soil	0.17	3.0	0.1	<0.05	0.3	3.13	10.0	<0.02	<1	0.2	1.5	<10	<2
1079788	Soil	0.03	1.9	0.1	<0.05	<0.1	0.38	1.2	<0.02	<1	<0.1	0.2	<10	<2
1079789	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079790	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079791	Soil	0.18	2.2	0.2	<0.05	0.4	6.98	14.1	<0.02	<1	0.3	1.2	<10	<2
1079792	Soil	0.03	5.3	<0.1	<0.05	0.1	0.21	0.9	<0.02	1	<0.1	0.3	<10	3
1079793	Soil	0.05	4.8	0.2	<0.05	<0.1	1.79	5.2	<0.02	1	0.1	0.4	<10	<2
1079794	Soil	0.08	5.1	0.1	<0.05	0.1	0.75	3.0	<0.02	1	<0.1	0.4	<10	<2
1079795	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079796	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079797	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079798	Soil	0.12	2.8	0.1	<0.05	0.2	0.56	2.6	<0.02	2	<0.1	0.4	<10	<2
1079799	Soil	0.13	1.8	0.1	<0.05	0.3	0.55	1.9	<0.02	2	<0.1	0.2	<10	<2
1079800	Soil	0.49	3.9	0.2	<0.05	0.5	5.77	17.4	0.02	<1	0.3	3.1	<10	<2
1080438	Soil	0.21	3.1	0.2	<0.05	<0.1	6.55	19.2	<0.02	<1	0.3	1.0	<10	<2
1080439	Soil	0.15	2.9	0.1	<0.05	<0.1	1.11	3.9	<0.02	<1	<0.1	0.7	<10	<2
1080440	Soil	0.15	4.5	0.1	<0.05	<0.1	1.71	6.0	<0.02	1	<0.1	0.9	<10	<2
1080441	Soil	0.31	3.5	0.2	<0.05	0.2	0.99	3.9	<0.02	1	<0.1	1.2	<10	<2
1080442	Soil	0.19	3.9	<0.1	<0.05	0.1	2.75	6.7	<0.02	2	<0.1	0.9	<10	<2
1080443	Soil	0.10	2.6	<0.1	<0.05	<0.1	4.08	12.4	<0.02	2	0.2	0.4	<10	<2
1080444	Soil	0.15	5.1	<0.1	<0.05	0.1	1.01	3.6	<0.02	<1	0.1	0.7	<10	<2
1080445	Soil	0.29	3.7	0.1	<0.05	0.1	3.13	11.1	<0.02	<1	0.2	2.9	<10	<2
1080446	Soil	0.15	2.4	0.1	<0.05	0.1	3.92	13.7	<0.02	<1	0.2	0.7	<10	<2
1080447	Soil	0.30	4.2	0.1	<0.05	0.2	1.40	5.2	<0.02	<1	<0.1	1.3	<10	<2
1080448	Soil	0.16	2.1	0.1	<0.05	0.2	0.73	2.5	<0.02	<1	<0.1	0.5	<10	<2
1080449	Soil	0.21	4.9	0.2	<0.05	<0.1	1.97	7.2	<0.02	<1	0.1	1.1	<10	<2
1080450	Soil	0.21	3.5	0.1	<0.05	<0.1	9.53	30.3	<0.02	<1	0.3	1.3	<10	<2

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: September 04, 2011

CERTIFICATE OF ANALYSIS VAN11003922.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1080451	Soil	1.15	12.48	6.06	69.0	760	6.4	6.4	1909	0.40	0.8	<0.1	0.7	<0.1	35.0	0.84	0.18	0.05	9	0.68	0.089
1080452	Soil	1.69	8.57	7.31	53.2	993	4.4	1.7	935	0.23	0.2	<0.1	<0.2	<0.1	23.5	0.65	0.14	0.04	6	0.50	0.108
1080453	Soil	1.64	9.52	5.68	89.0	542	5.6	3.5	2484	0.22	0.7	<0.1	<0.2	<0.1	41.7	2.99	0.15	0.04	5	0.73	0.125
1080454	Soil	1.45	8.04	7.34	55.0	283	4.7	1.4	615	0.29	0.5	<0.1	0.3	<0.1	24.0	0.51	0.11	0.04	7	0.38	0.091
1080455	Soil	1.27	7.11	8.11	54.6	311	5.2	1.3	975	0.28	0.9	<0.1	<0.2	<0.1	19.7	0.53	0.12	0.14	7	0.44	0.090
1080456	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080457	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080458	Soil	1.41	7.71	7.04	44.8	578	3.6	1.0	414	0.18	0.7	<0.1	1.0	<0.1	26.7	0.43	0.20	0.06	5	0.37	0.104
1080459	Soil	1.18	18.28	7.03	34.5	437	11.7	8.0	468	0.67	0.9	0.2	2.0	<0.1	54.6	0.49	0.31	0.07	15	0.49	0.094
1080460	Soil	1.57	25.64	3.46	32.3	240	8.7	20.4	536	0.72	0.8	0.1	<0.2	<0.1	58.0	1.05	0.32	0.04	12	0.90	0.125
1080461	Soil	1.56	6.21	5.04	55.2	767	4.1	1.8	465	0.39	0.9	<0.1	<0.2	0.1	22.0	0.52	0.23	0.04	10	0.39	0.103
1080462	Soil	1.42	9.14	7.11	202.0	574	4.7	5.5	2232	0.33	0.9	<0.1	0.5	<0.1	79.0	1.81	0.15	0.04	9	1.34	0.110
1080463	Soil	1.40	6.21	8.70	55.6	256	4.2	1.1	469	0.32	0.3	<0.1	<0.2	<0.1	27.5	0.51	0.17	0.06	9	0.41	0.094
1080464	Soil	1.32	7.22	5.46	54.7	266	3.4	1.4	1368	0.22	0.7	<0.1	0.3	<0.1	18.4	0.58	0.12	0.03	6	0.37	0.099
1080465	Soil	1.19	30.40	3.74	35.4	1670	14.6	7.0	763	0.73	1.3	0.7	0.8	<0.1	60.2	0.90	0.48	0.03	9	0.72	0.166
1080466	Soil	1.71	28.43	1.41	13.5	174	8.5	3.1	36	0.48	1.1	0.4	<0.2	0.3	85.3	0.32	0.31	<0.02	8	1.20	0.080
1080467	Soil	1.40	32.02	6.66	39.8	992	12.0	17.1	2189	0.89	1.4	0.6	1.0	<0.1	49.7	0.68	0.32	0.04	16	0.61	0.151
1080468	Soil	1.52	27.26	3.02	28.2	707	11.7	8.3	678	0.68	1.3	0.5	1.8	<0.1	48.1	0.39	0.30	0.03	10	0.55	0.170
1080469	Soil	1.46	15.58	4.57	65.5	1200	7.7	4.1	2694	0.40	0.9	0.3	6.6	0.1	53.9	0.79	0.33	0.13	4	0.84	0.139
1080470	Soil	1.52	11.69	5.51	33.1	538	7.6	1.9	481	0.25	0.7	0.1	2.8	<0.1	39.6	0.52	0.25	0.08	4	0.49	0.124
1080471	Soil	1.78	12.05	7.05	71.8	1600	6.5	2.7	4782	0.32	0.7	0.1	0.7	<0.1	32.5	1.06	0.22	0.09	2	0.53	0.128
1080472	Soil	3.45	15.35	9.90	134.3	562	8.9	7.8	5266	0.25	0.5	0.1	<0.2	<0.1	55.7	1.16	0.20	0.07	<2	0.98	0.128
1080473	Soil	1.15	15.56	4.09	46.3	499	7.2	2.8	976	0.30	0.5	0.2	0.8	<0.1	39.4	0.37	0.16	0.04	5	0.56	0.125
1080474	Soil	1.61	38.23	7.29	86.3	830	21.0	10.6	2673	0.56	1.0	0.4	0.2	<0.1	62.6	1.14	0.27	0.06	7	0.71	0.144
1080475	Soil	1.58	59.05	5.85	75.9	869	30.1	12.7	2683	1.09	1.4	0.5	1.2	<0.1	46.5	1.17	0.25	0.05	18	0.55	0.124
1080476	Soil	1.47	27.88	6.54	79.2	563	15.4	6.6	2763	1.20	2.3	0.3	3.4	<0.1	37.7	0.84	0.29	0.07	28	0.67	0.084
1080477	Soil	2.59	17.75	7.29	120.1	662	9.7	6.2	7494	0.47	1.1	0.3	<0.2	<0.1	59.8	1.13	0.31	0.05	3	1.08	0.169
1080478	Soil	1.98	14.64	5.08	58.4	606	5.1	2.6	983	0.31	1.0	0.1	<0.2	<0.1	27.6	0.79	0.18	0.04	6	0.49	0.126
1080479	Soil	1.73	26.11	4.96	58.5	535	11.3	8.4	4200	0.47	0.8	0.4	0.3	<0.1	51.0	0.70	0.22	0.04	3	0.82	0.166
1080480	Soil	1.48	27.67	4.92	32.5	480	10.8	15.3	834	0.77	0.6	0.7	0.4	<0.1	47.1	0.50	0.50	0.03	7	0.59	0.161

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Phone (604) 253-3158 Fax (604) 253-1716
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Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

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CERTIFICATE OF ANALYSIS VAN11003922.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
1080451	Soil	2.6	6.1	0.09	182.0	0.012	2	0.41	0.006	0.07	<0.1	0.7	0.07	0.10	373	0.4	<0.02	1.1	0.24	<0.1	<0.02
1080452	Soil	1.3	3.5	0.09	125.8	0.009	2	0.27	0.007	0.10	<0.1	0.8	0.05	0.10	247	0.5	<0.02	0.6	0.25	<0.1	<0.02
1080453	Soil	1.3	3.0	0.11	223.2	0.008	4	0.22	0.005	0.13	<0.1	0.6	0.06	0.12	225	0.3	<0.02	0.6	0.21	<0.1	<0.02
1080454	Soil	1.4	4.3	0.08	112.0	0.012	2	0.28	0.007	0.08	<0.1	0.6	0.03	0.09	150	0.4	<0.02	0.9	0.18	<0.1	<0.02
1080455	Soil	1.4	6.4	0.08	109.6	0.011	2	0.29	0.007	0.07	<0.1	0.5	<0.02	0.08	256	0.4	<0.02	0.8	0.16	<0.1	<0.02
1080456	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080457	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080458	Soil	0.9	4.2	0.08	96.5	0.009	2	0.22	0.006	0.11	<0.1	0.7	0.05	0.12	339	0.5	<0.02	0.5	0.16	<0.1	<0.02
1080459	Soil	8.7	11.4	0.17	190.7	0.019	1	0.72	0.008	0.07	<0.1	1.0	0.05	0.08	200	0.3	0.02	1.9	0.23	<0.1	<0.02
1080460	Soil	5.1	4.7	0.18	131.8	0.010	3	0.47	0.012	0.10	<0.1	1.2	0.03	0.12	192	0.5	0.02	0.8	0.11	<0.1	<0.02
1080461	Soil	1.1	6.3	0.10	91.8	0.015	1	0.26	0.007	0.08	<0.1	1.0	0.04	0.11	352	0.5	<0.02	0.8	0.20	<0.1	<0.02
1080462	Soil	1.3	4.8	0.15	340.8	0.012	5	0.21	0.007	0.09	<0.1	0.6	0.06	0.14	376	0.3	<0.02	0.8	0.24	<0.1	<0.02
1080463	Soil	1.5	4.4	0.08	130.5	0.015	2	0.24	0.008	0.09	<0.1	0.8	0.06	0.09	236	0.3	<0.02	0.9	0.21	<0.1	<0.02
1080464	Soil	0.9	3.2	0.08	90.1	0.010	2	0.21	0.008	0.09	<0.1	0.6	0.07	0.11	270	0.1	<0.02	0.6	0.20	<0.1	<0.02
1080465	Soil	19.3	8.7	0.18	214.0	0.011	2	1.04	0.008	0.10	<0.1	2.3	0.06	0.11	352	0.5	<0.02	1.2	0.25	<0.1	<0.02
1080466	Soil	6.0	3.8	0.24	135.9	0.007	4	0.46	0.020	0.06	<0.1	2.4	0.05	0.11	147	0.6	<0.02	0.6	0.17	<0.1	0.02
1080467	Soil	9.9	11.1	0.22	203.3	0.012	2	0.87	0.010	0.10	<0.1	0.8	0.11	0.11	259	0.5	0.02	1.9	0.46	<0.1	<0.02
1080468	Soil	9.8	9.8	0.19	153.2	0.010	3	0.91	0.010	0.10	<0.1	1.2	0.08	0.12	246	0.4	<0.02	1.5	0.36	<0.1	<0.02
1080469	Soil	5.5	5.6	0.14	205.8	0.011	7	0.55	0.005	0.11	<0.1	1.4	0.07	0.08	374	0.5	<0.02	0.8	0.28	<0.1	<0.02
1080470	Soil	4.3	4.2	0.11	126.7	0.008	5	0.32	0.005	0.07	<0.1	1.0	0.04	0.12	350	0.6	<0.02	0.5	0.18	<0.1	<0.02
1080471	Soil	2.5	5.7	0.11	245.1	0.013	5	0.35	0.006	0.10	<0.1	1.0	0.14	0.10	376	0.7	0.04	0.9	0.25	<0.1	<0.02
1080472	Soil	3.2	4.2	0.11	393.3	0.011	6	0.26	0.007	0.10	<0.1	0.8	0.22	0.10	401	0.4	<0.02	0.9	0.40	<0.1	<0.02
1080473	Soil	3.9	6.1	0.13	177.3	0.011	5	0.36	0.007	0.11	<0.1	1.0	0.05	0.11	300	0.3	<0.02	0.8	0.28	<0.1	<0.02
1080474	Soil	10.7	9.7	0.18	350.8	0.007	4	0.76	0.006	0.09	<0.1	0.5	0.09	0.10	243	0.5	<0.02	1.5	0.32	<0.1	<0.02
1080475	Soil	15.6	17.2	0.23	253.6	0.008	3	1.36	0.007	0.08	<0.1	0.5	0.07	0.08	246	0.3	<0.02	2.6	0.44	<0.1	<0.02
1080476	Soil	5.1	18.5	0.35	206.4	0.029	4	0.84	0.007	0.08	<0.1	1.0	0.07	0.06	198	0.4	0.03	2.7	0.39	<0.1	<0.02
1080477	Soil	4.8	6.8	0.16	291.9	0.011	8	0.53	0.008	0.13	<0.1	1.1	0.06	0.15	396	0.5	<0.02	1.2	0.23	<0.1	<0.02
1080478	Soil	2.0	5.7	0.14	101.5	0.012	5	0.33	0.008	0.11	<0.1	0.8	0.04	0.11	234	0.5	<0.02	0.9	0.17	<0.1	<0.02
1080479	Soil	5.9	7.4	0.17	244.9	0.010	6	0.65	0.007	0.11	<0.1	1.2	0.19	0.12	307	0.4	0.02	1.3	0.33	<0.1	<0.02
1080480	Soil	8.5	7.4	0.15	141.8	0.010	5	0.80	0.008	0.09	<0.1	1.2	0.06	0.14	224	0.4	<0.02	1.1	0.26	<0.1	<0.02

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Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1080451	Soil	0.20	3.4	0.1	<0.05	0.1	1.98	6.3	<0.02	3	<0.1	0.9	<10	<2
1080452	Soil	0.12	3.9	<0.1	<0.05	0.1	0.73	2.6	<0.02	<1	<0.1	0.5	<10	<2
1080453	Soil	0.09	3.7	<0.1	<0.05	0.2	0.61	2.1	<0.02	3	<0.1	0.5	<10	<2
1080454	Soil	0.14	3.7	0.1	<0.05	<0.1	0.62	2.7	<0.02	2	<0.1	0.6	<10	<2
1080455	Soil	0.14	1.8	0.2	<0.05	<0.1	0.64	2.8	<0.02	<1	<0.1	0.4	<10	<2
1080456	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080457	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080458	Soil	0.11	2.8	0.2	<0.05	0.3	0.40	1.7	<0.02	6	<0.1	0.3	<10	<2
1080459	Soil	0.31	2.6	0.2	<0.05	0.1	6.69	19.7	<0.02	4	0.3	1.7	<10	<2
1080460	Soil	0.13	2.1	0.2	<0.05	0.2	4.48	13.0	<0.02	5	0.3	0.5	<10	<2
1080461	Soil	0.25	3.7	0.1	<0.05	0.4	0.55	2.4	<0.02	1	<0.1	0.9	<10	<2
1080462	Soil	0.18	4.1	0.1	<0.05	0.4	0.83	2.5	<0.02	2	<0.1	0.9	<10	<2
1080463	Soil	0.20	2.1	0.2	<0.05	0.1	0.59	3.0	<0.02	1	<0.1	0.6	<10	<2
1080464	Soil	0.12	2.1	0.1	<0.05	0.2	0.36	1.7	<0.02	3	<0.1	0.5	<10	<2
1080465	Soil	0.16	4.0	<0.1	<0.05	0.2	15.92	44.3	<0.02	2	0.4	1.2	<10	<2
1080466	Soil	0.11	2.2	<0.1	<0.05	0.9	7.18	14.2	<0.02	2	0.2	0.5	<10	<2
1080467	Soil	0.19	7.2	0.2	<0.05	<0.1	6.93	22.3	<0.02	4	0.5	2.2	<10	<2
1080468	Soil	0.22	5.5	0.1	<0.05	0.3	7.73	21.9	<0.02	3	0.5	1.7	<10	<2
1080469	Soil	0.12	4.5	0.3	<0.05	0.3	4.32	12.9	0.06	<1	0.2	1.0	<10	<2
1080470	Soil	0.09	2.3	0.2	<0.05	0.3	3.46	8.0	<0.02	1	0.2	0.5	<10	<2
1080471	Soil	0.12	3.1	0.2	<0.05	0.1	1.91	5.2	<0.02	<1	<0.1	0.7	<10	<2
1080472	Soil	0.09	8.4	0.2	<0.05	<0.1	2.25	6.7	<0.02	<1	0.2	0.6	<10	<2
1080473	Soil	0.15	6.2	0.1	<0.05	0.2	2.28	7.0	<0.02	1	0.3	1.0	<10	<2
1080474	Soil	0.14	3.7	0.1	<0.05	<0.1	7.65	21.9	<0.02	2	0.3	1.5	<10	<2
1080475	Soil	0.26	5.2	0.2	<0.05	<0.1	11.10	32.5	<0.02	<1	0.7	3.7	<10	<2
1080476	Soil	0.34	8.0	0.2	<0.05	0.3	3.40	9.4	<0.02	<1	0.3	4.6	<10	<2
1080477	Soil	0.11	5.1	<0.1	<0.05	<0.1	3.32	14.5	<0.02	2	0.1	1.0	<10	<2
1080478	Soil	0.12	2.9	0.1	<0.05	0.3	1.29	3.5	<0.02	<1	0.1	0.9	<10	<2
1080479	Soil	0.12	4.9	0.2	<0.05	0.2	4.60	11.9	<0.02	<1	0.3	1.4	<10	<2
1080480	Soil	0.13	4.1	0.1	<0.05	<0.1	7.04	15.8	<0.02	<1	0.4	1.2	<10	<2

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: September 04, 2011

CERTIFICATE OF ANALYSIS VAN11003922.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1080481	Soil	1.62	32.17	7.29	40.1	890	13.3	23.3	2337	1.01	1.1	0.7	<0.2	<0.1	55.3	0.56	0.42	0.05	11	0.68	0.183
1080482	Soil	1.83	20.68	6.72	122.7	864	11.9	11.9	4475	0.65	0.9	0.4	0.2	<0.1	65.3	1.25	0.34	0.04	2	1.14	0.202
1080483	Soil	1.02	9.10	5.03	93.3	1538	5.7	1.4	1782	0.10	0.6	<0.1	<0.2	<0.1	53.4	1.40	0.13	0.04	<2	1.12	0.108
1080484	Soil	1.58	14.20	5.86	94.9	1304	7.9	2.7	2910	0.36	0.9	0.1	0.3	<0.1	61.7	1.54	0.24	0.05	6	1.20	0.121
1080485	Soil	1.17	7.85	5.63	135.7	1012	3.9	1.2	4084	0.11	0.3	<0.1	<0.2	<0.1	40.9	0.75	0.12	0.03	<2	1.34	0.123
1080486	Soil	2.68	27.81	3.34	57.7	666	17.3	3.3	1477	0.68	2.0	0.2	0.3	0.1	97.1	1.14	0.23	0.04	15	2.03	0.088
1080487	Soil	2.15	8.47	5.03	69.4	354	4.9	1.8	785	0.21	<0.1	<0.1	<0.2	<0.1	26.9	1.05	0.12	0.03	4	0.57	0.096
1080488	Soil	4.39	10.78	5.99	238.6	657	14.9	3.5	8232	0.33	0.6	<0.1	0.7	<0.1	70.6	2.56	0.21	0.06	<2	1.24	0.102
1080489	Soil	1.99	8.45	5.20	142.0	503	6.7	2.2	5632	0.23	<0.1	<0.1	0.4	0.1	31.4	1.24	0.11	0.03	<2	0.96	0.102
1080490	Soil	2.02	14.11	5.37	68.6	373	7.4	4.2	1934	0.29	0.2	<0.1	0.3	<0.1	57.6	1.86	0.21	0.03	6	0.89	0.108
1080491	Soil	2.05	6.86	5.75	91.7	649	3.4	0.9	3411	0.09	<0.1	<0.1	<0.2	<0.1	32.3	0.97	0.12	0.03	<2	0.72	0.122
1080492	Soil	2.14	16.80	6.36	148.9	543	11.4	7.8	6157	0.38	0.4	<0.1	<0.2	<0.1	73.2	2.82	0.20	0.06	6	1.60	0.114
1080493	Soil	2.11	11.00	6.97	142.5	681	6.0	2.7	3840	0.23	<0.1	<0.1	<0.2	<0.1	56.9	2.01	0.18	0.05	3	1.09	0.103
1080494	Soil	1.78	9.00	5.78	102.2	483	4.1	1.9	3414	0.18	<0.1	<0.1	<0.2	<0.1	25.4	1.25	0.12	0.03	2	0.65	0.116
1080495	Soil	1.49	8.99	6.95	277.6	410	7.0	3.2	7935	0.34	<0.1	<0.1	0.4	<0.1	66.8	1.23	0.13	0.04	4	1.36	0.114
1080496	Soil	1.49	18.07	6.26	52.9	977	8.0	3.3	710	0.34	<0.1	0.2	<0.2	0.1	39.6	0.98	0.20	0.04	5	0.48	0.118
1080497	Soil	1.57	30.17	6.17	50.8	1130	13.6	6.4	631	0.60	0.7	0.3	0.4	<0.1	52.3	0.70	0.30	0.05	8	0.57	0.135
1080498	Soil	1.51	21.33	5.68	45.5	1112	10.9	5.5	488	0.38	0.1	0.2	0.5	<0.1	44.9	1.05	0.27	0.04	6	0.55	0.117
1080499	Soil	1.90	18.75	5.43	54.5	218	11.2	7.6	1460	0.45	0.3	0.2	0.2	<0.1	49.2	0.57	0.23	0.04	8	0.57	0.123
1080500	Soil	1.97	10.70	7.24	185.0	473	6.2	3.1	9695	0.25	<0.1	<0.1	<0.2	0.1	30.7	1.09	0.12	0.04	<2	0.86	0.130

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: September 04, 2011

CERTIFICATE OF ANALYSIS VAN11003922.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
1080481	Soil	10.4	10.9	0.18	244.7	0.010	4	0.96	0.006	0.09	<0.1	0.7	0.11	0.12	374	0.6	<0.02	1.6	0.61	<0.1	<0.02
1080482	Soil	11.4	5.0	0.11	419.7	0.007	6	0.85	0.005	0.08	<0.1	0.8	0.16	0.13	546	0.5	<0.02	0.9	0.34	<0.1	<0.02
1080483	Soil	1.1	2.7	0.10	373.4	0.004	7	0.11	0.006	0.08	<0.1	0.4	0.10	0.15	548	0.5	<0.02	0.3	0.16	<0.1	<0.02
1080484	Soil	4.5	6.1	0.13	358.5	0.015	10	0.29	0.006	0.10	<0.1	1.0	0.13	0.12	396	0.7	<0.02	1.0	0.47	<0.1	<0.02
1080485	Soil	<0.5	2.7	0.09	374.0	0.005	10	0.09	0.005	0.14	<0.1	0.4	0.16	0.13	432	0.4	<0.02	0.4	0.28	<0.1	<0.02
1080486	Soil	8.7	11.0	0.27	241.9	0.016	8	0.53	0.005	0.07	<0.1	1.4	0.07	0.13	345	0.5	0.02	1.4	0.24	<0.1	0.02
1080487	Soil	1.2	4.3	0.10	95.8	0.008	5	0.18	0.007	0.10	<0.1	0.5	0.03	0.10	271	0.5	<0.02	0.6	0.12	<0.1	<0.02
1080488	Soil	3.9	6.8	0.14	500.0	0.008	5	0.37	0.006	0.12	<0.1	0.5	0.07	0.09	482	0.6	<0.02	1.2	0.32	<0.1	<0.02
1080489	Soil	1.2	5.7	0.11	191.5	0.012	6	0.23	0.006	0.10	<0.1	0.6	0.06	0.11	331	0.5	<0.02	1.0	0.27	<0.1	<0.02
1080490	Soil	4.6	5.7	0.16	146.8	0.011	5	0.27	0.007	0.12	<0.1	0.9	0.05	0.10	185	0.5	<0.02	0.9	0.23	<0.1	<0.02
1080491	Soil	0.5	3.5	0.11	143.2	0.004	5	0.12	0.007	0.12	<0.1	0.3	0.06	0.10	202	0.4	<0.02	0.4	0.13	<0.1	<0.02
1080492	Soil	4.9	6.6	0.15	366.4	0.015	6	0.48	0.005	0.10	<0.1	0.8	0.08	0.09	372	0.7	<0.02	1.3	0.42	<0.1	<0.02
1080493	Soil	1.8	5.1	0.12	263.0	0.012	6	0.28	0.006	0.09	<0.1	0.7	0.05	0.10	280	0.4	<0.02	0.9	0.27	<0.1	<0.02
1080494	Soil	1.1	4.1	0.10	89.9	0.009	5	0.25	0.006	0.10	<0.1	0.5	0.06	0.11	300	0.6	<0.02	0.7	0.15	<0.1	<0.02
1080495	Soil	1.8	6.3	0.15	499.3	0.015	6	0.34	0.006	0.11	<0.1	0.8	0.07	0.09	274	0.5	<0.02	1.2	0.23	<0.1	<0.02
1080496	Soil	6.9	5.8	0.12	139.8	0.013	3	0.44	0.006	0.10	<0.1	1.2	0.05	0.08	170	0.5	<0.02	1.0	0.22	<0.1	<0.02
1080497	Soil	10.9	9.1	0.15	195.1	0.013	3	0.74	0.006	0.10	<0.1	0.9	0.05	0.09	187	0.5	<0.02	1.5	0.24	<0.1	<0.02
1080498	Soil	7.8	6.9	0.14	130.9	0.012	4	0.54	0.006	0.08	<0.1	1.6	0.03	0.09	238	0.5	<0.02	1.0	0.19	<0.1	<0.02
1080499	Soil	7.2	8.0	0.15	194.6	0.017	4	0.57	0.007	0.09	<0.1	1.1	0.07	0.09	194	0.4	<0.02	1.3	0.25	<0.1	<0.02
1080500	Soil	1.4	6.3	0.12	199.7	0.013	5	0.30	0.005	0.12	<0.1	0.7	0.09	0.12	328	0.6	<0.02	1.2	0.25	<0.1	<0.02

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: September 04, 2011

CERTIFICATE OF ANALYSIS VAN11003922.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1080481	Soil	0.15	6.8	0.2	<0.05	<0.1	7.96	21.6	<0.02	<1	0.6	1.8	<10	<2
1080482	Soil	0.08	4.2	<0.1	<0.05	<0.1	7.82	24.4	<0.02	<1	0.3	0.6	<10	<2
1080483	Soil	0.04	1.9	<0.1	<0.05	0.2	0.40	1.7	<0.02	1	<0.1	0.2	<10	<2
1080484	Soil	0.15	3.9	<0.1	<0.05	0.2	3.90	8.5	<0.02	<1	<0.1	0.8	<10	<2
1080485	Soil	0.04	3.2	<0.1	<0.05	0.2	0.26	0.8	<0.02	<1	<0.1	0.3	<10	<2
1080486	Soil	0.26	2.4	0.1	<0.05	0.8	12.10	9.0	<0.02	1	0.1	2.3	<10	<2
1080487	Soil	0.10	1.3	0.1	<0.05	0.3	0.73	2.1	<0.02	<1	<0.1	0.4	<10	<2
1080488	Soil	0.12	4.6	0.1	<0.05	0.1	3.02	6.7	<0.02	<1	0.1	1.1	<10	<2
1080489	Soil	0.11	4.5	0.1	<0.05	0.2	0.48	2.1	<0.02	1	<0.1	0.6	<10	<2
1080490	Soil	0.12	2.9	0.1	<0.05	0.4	4.24	6.3	<0.02	<1	<0.1	0.8	<10	<2
1080491	Soil	0.04	3.4	<0.1	<0.05	0.2	0.21	0.8	<0.02	2	<0.1	0.2	<10	<2
1080492	Soil	0.15	7.6	0.1	<0.05	0.2	3.48	8.3	<0.02	<1	<0.1	1.2	<10	<2
1080493	Soil	0.13	3.5	0.1	<0.05	0.2	1.15	2.8	<0.02	<1	<0.1	0.7	<10	<2
1080494	Soil	0.10	2.5	<0.1	<0.05	0.2	0.62	2.1	<0.02	<1	<0.1	0.5	<10	<2
1080495	Soil	0.15	3.6	0.1	<0.05	0.1	0.90	3.4	<0.02	3	<0.1	1.3	<10	<2
1080496	Soil	0.14	2.7	0.1	<0.05	0.3	5.23	12.0	<0.02	<1	0.2	0.9	<10	<2
1080497	Soil	0.19	2.8	0.2	<0.05	<0.1	8.29	20.1	<0.02	3	0.3	1.2	<10	<2
1080498	Soil	0.14	2.0	0.1	<0.05	0.3	6.33	14.1	<0.02	<1	0.3	0.9	<10	<2
1080499	Soil	0.22	3.4	0.2	<0.05	0.1	5.50	14.7	<0.02	<1	0.3	1.5	<10	<2
1080500	Soil	0.14	4.3	0.1	<0.05	0.2	0.75	2.5	<0.02	1	<0.1	0.9	<10	<2

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: September 04, 2011

QUALITY CONTROL REPORT VAN11003922.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
Pulp Duplicates																					
1079521	Soil	0.94	8.29	6.57	82.2	909	5.2	2.0	>10000	0.21	0.5	<0.1	1.9	<0.1	54.5	0.37	0.19	<0.02	4	0.91	0.136
REP 1079521	QC	0.92	7.26	6.55	82.5	936	5.4	2.1	9615	0.20	0.3	<0.1	<0.2	<0.1	55.2	0.29	0.13	<0.02	3	0.90	0.132
1079754	Soil	1.03	16.34	4.58	97.7	576	13.2	10.8	6429	0.69	1.0	0.1	1.4	<0.1	59.9	1.22	0.12	<0.02	18	1.04	0.087
REP 1079754	QC	0.99	16.22	4.42	95.7	557	13.0	10.6	6302	0.67	0.7	0.1	1.2	<0.1	59.4	1.16	0.11	<0.02	17	1.05	0.087
1079775	Soil	1.17	8.56	6.15	50.9	474	5.6	3.0	2544	0.34	0.6	<0.1	1.6	<0.1	71.5	1.45	0.14	0.05	9	0.95	0.104
REP 1079775	QC	1.24	8.90	6.27	55.1	472	5.8	3.0	2504	0.32	0.6	<0.1	1.8	<0.1	70.8	1.46	0.14	0.05	8	0.92	0.106
1079786	Soil	16.62	27.68	6.86	79.1	213	31.8	149.2	>10000	5.68	14.6	0.5	2.3	0.4	119.1	4.12	0.92	0.08	51	1.95	0.186
REP 1079786	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080449	Soil	1.33	10.15	6.16	91.1	876	6.4	4.3	6522	0.50	0.6	<0.1	<0.2	<0.1	32.8	0.91	0.18	0.05	13	0.51	0.080
REP 1080449	QC	1.42	10.42	6.10	91.0	889	6.1	4.3	6401	0.50	1.0	0.1	<0.2	<0.1	32.9	0.94	0.18	0.05	14	0.53	0.081
1080452	Soil	1.69	8.57	7.31	53.2	993	4.4	1.7	935	0.23	0.2	<0.1	<0.2	<0.1	23.5	0.65	0.14	0.04	6	0.50	0.108
REP 1080452	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080470	Soil	1.52	11.69	5.51	33.1	538	7.6	1.9	481	0.25	0.7	0.1	2.8	<0.1	39.6	0.52	0.25	0.08	4	0.49	0.124
REP 1080470	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080496	Soil	1.49	18.07	6.26	52.9	977	8.0	3.3	710	0.34	<0.1	0.2	<0.2	0.1	39.6	0.98	0.20	0.04	5	0.48	0.118
REP 1080496	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
Reference Materials																					
STD DS8	Standard	13.41	109.9	127.4	313.0	1880	39.8	8.1	611	2.48	23.3	2.7	117.5	6.8	58.9	2.14	4.69	6.40	40	0.71	0.077
STD DS8	Standard	13.66	114.2	123.8	306.9	1754	38.3	7.9	605	2.35	24.8	2.7	116.4	7.2	60.7	2.35	4.99	6.30	37	0.68	0.076
STD DS8	Standard	11.40	109.6	121.8	306.3	1670	38.7	7.9	602	2.40	23.9	2.5	105.7	5.8	52.1	1.93	4.71	5.93	38	0.66	0.072
STD DS8	Standard	9.56	120.9	117.1	318.6	1701	36.8	7.7	590	2.29	29.6	2.6	106.4	6.0	56.4	2.73	5.94	7.42	35	0.59	0.093
STD DS8 Expected		13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: September 04, 2011

QUALITY CONTROL REPORT VAN11003922.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
Pulp Duplicates																					
1079521	Soil	0.7	3.7	0.08	430.1	0.008	4	0.15	0.011	0.13	<0.1	0.9	0.61	0.14	624	0.5	<0.02	0.6	0.35	<0.1	<0.02
REP 1079521	QC	0.7	3.4	0.08	428.6	0.008	3	0.15	0.010	0.12	<0.1	0.8	0.61	0.14	617	0.4	<0.02	0.6	0.35	<0.1	<0.02
1079754	Soil	3.6	10.4	0.16	450.6	0.026	3	0.48	0.010	0.11	<0.1	0.8	0.13	0.09	253	0.5	<0.02	1.8	0.45	<0.1	<0.02
REP 1079754	QC	3.3	10.2	0.16	431.2	0.025	3	0.47	0.010	0.10	0.1	0.9	0.12	0.09	244	0.5	<0.02	1.9	0.41	<0.1	<0.02
1079775	Soil	1.6	6.1	0.11	356.4	0.017	4	0.27	0.007	0.08	<0.1	0.7	0.21	0.05	229	0.3	<0.02	1.3	0.48	<0.1	<0.02
REP 1079775	QC	1.5	6.2	0.10	350.4	0.017	4	0.26	0.008	0.08	<0.1	0.8	0.21	0.05	217	0.2	<0.02	1.3	0.46	<0.1	<0.02
1079786	Soil	7.9	17.9	0.31	911.0	0.014	4	0.99	0.013	0.08	<0.1	1.9	0.37	0.16	241	0.9	0.09	2.8	0.41	0.1	0.02
REP 1079786	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080449	Soil	3.4	7.6	0.10	265.2	0.018	1	0.47	0.007	0.07	<0.1	0.7	0.06	0.08	257	0.4	<0.02	1.6	0.35	<0.1	<0.02
REP 1080449	QC	3.5	8.2	0.10	259.1	0.019	2	0.49	0.007	0.07	<0.1	0.8	0.07	0.08	291	0.5	<0.02	1.8	0.38	<0.1	<0.02
1080452	Soil	1.3	3.5	0.09	125.8	0.009	2	0.27	0.007	0.10	<0.1	0.8	0.05	0.10	247	0.5	<0.02	0.6	0.25	<0.1	<0.02
REP 1080452	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080470	Soil	4.3	4.2	0.11	126.7	0.008	5	0.32	0.005	0.07	<0.1	1.0	0.04	0.12	350	0.6	<0.02	0.5	0.18	<0.1	<0.02
REP 1080470	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080496	Soil	6.9	5.8	0.12	139.8	0.013	3	0.44	0.006	0.10	<0.1	1.2	0.05	0.08	170	0.5	<0.02	1.0	0.22	<0.1	<0.02
REP 1080496	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
Reference Materials																					
STD DS8	Standard	15.2	127.6	0.61	257.1	0.111	2	0.99	0.115	0.44	3.0	2.5	5.84	0.15	210	5.6	5.02	4.9	2.52	0.1	0.05
STD DS8	Standard	16.3	122.3	0.60	250.3	0.122	3	0.91	0.089	0.39	2.6	2.3	5.24	0.15	196	4.9	4.79	4.4	2.32	0.1	0.08
STD DS8	Standard	11.1	116.9	0.58	239.8	0.106	2	0.92	0.107	0.43	2.8	1.8	5.17	0.16	194	4.9	4.90	4.2	2.30	0.1	0.05
STD DS8	Standard	9.4	108.7	0.56	272.6	0.097	3	0.76	0.064	0.37	2.7	1.9	5.16	0.15	187	5.0	4.53	4.3	2.64	0.1	0.07
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48	0.13	0.08
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: September 04, 2011

QUALITY CONTROL REPORT VAN11003922.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
Pulp Duplicates														
1079521	Soil	0.07	5.6	0.2	<0.05	0.1	0.28	1.6	<0.02	2	<0.1	0.2	<10	<2
REP 1079521	QC	0.07	5.8	0.1	<0.05	0.2	0.30	1.6	<0.02	<1	<0.1	0.2	<10	<2
1079754	Soil	0.26	11.3	0.2	<0.05	<0.1	1.52	7.8	<0.02	<1	0.2	1.4	<10	<2
REP 1079754	QC	0.26	10.9	0.1	<0.05	<0.1	1.52	7.2	<0.02	<1	0.1	1.2	<10	<2
1079775	Soil	0.13	9.0	0.1	<0.05	0.2	0.61	2.8	<0.02	2	0.1	0.7	<10	<2
REP 1079775	QC	0.13	9.0	0.2	<0.05	0.2	0.56	2.8	<0.02	1	<0.1	0.7	<10	<2
1079786	Soil	0.27	4.7	0.1	<0.05	0.8	8.74	59.4	0.02	4	0.2	1.8	<10	<2
REP 1079786	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080449	Soil	0.21	4.9	0.2	<0.05	<0.1	1.97	7.2	<0.02	<1	0.1	1.1	<10	<2
REP 1080449	QC	0.24	5.1	0.1	<0.05	<0.1	1.97	7.7	<0.02	<1	0.1	1.1	<10	<2
1080452	Soil	0.12	3.9	<0.1	<0.05	0.1	0.73	2.6	<0.02	<1	<0.1	0.5	<10	<2
REP 1080452	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080470	Soil	0.09	2.3	0.2	<0.05	0.3	3.46	8.0	<0.02	1	0.2	0.5	<10	<2
REP 1080470	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080496	Soil	0.14	2.7	0.1	<0.05	0.3	5.23	12.0	<0.02	<1	0.2	0.9	<10	<2
REP 1080496	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
Reference Materials														
STD DS8	Standard	1.41	39.1	6.2	<0.05	1.2	6.18	31.3	2.29	57	5.3	26.6	129	378
STD DS8	Standard	1.37	35.5	6.8	<0.05	2.3	6.06	27.6	2.21	56	5.1	27.4	106	354
STD DS8	Standard	1.02	35.2	5.8	<0.05	1.0	4.63	21.9	1.99	53	4.7	24.4	113	314
STD DS8	Standard	0.83	42.9	7.6	<0.05	1.7	4.36	20.8	2.55	52	5.7	26.0	94	314
STD DS8 Expected		1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2

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

www.acmelab.com

Client: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Submitted By: Kevin Byrne
Receiving Lab: Canada-Vancouver
Received: July 29, 2011
Report Date: August 26, 2011
Page: 1 of 8

CERTIFICATE OF ANALYSIS VAN11003561.1

CLIENT JOB INFORMATION

Project: 204900
Shipment ID: CRP_001
P.O. Number
Number of Samples: 204

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT Store After 90 days Invoice for Storage

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	204	Dry at 60C			VAN
SS80	204	Dry at 60C sieve 100g to -80 mesh			VAN
RJSV	204	Saving all or part of Soil Reject			VAN
1F05	170	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Teck Resources Limited
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3
Canada

CC: Rupa Mukherjee
Randy Farmer

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
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Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: August 26, 2011

CERTIFICATE OF ANALYSIS VAN11003561.1

		Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1079901	Soil		1.73	16.87	4.08	103.4	107	7.1	3.2	2344	0.53	1.7	0.3	1.7	<0.1	141.1	1.04	0.26	0.09	10	2.48	0.128
1079902	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079903	Soil		2.26	16.15	21.04	54.3	125	4.9	1.7	681	0.48	2.0	0.3	1.2	0.1	124.0	0.80	0.30	0.14	10	2.46	0.090
1079904	Soil		3.52	11.84	6.92	51.4	50	3.7	4.4	1922	0.40	2.0	0.1	<0.2	<0.1	132.6	0.77	0.24	0.09	7	2.35	0.098
1079905	Soil		3.39	11.00	6.97	47.7	49	3.5	4.7	1872	0.39	1.7	<0.1	1.1	<0.1	125.7	0.75	0.23	0.08	7	2.27	0.091
1079906	Soil		1.24	7.09	2.76	19.6	46	1.4	2.7	250	0.31	0.8	0.2	<0.2	<0.1	60.0	0.33	0.12	0.05	2	0.85	0.048
1079907	Soil		2.90	10.73	7.45	171.0	302	4.0	3.9	3613	0.43	1.1	<0.1	<0.2	<0.1	149.2	0.68	0.24	0.11	<2	3.17	0.175
1079908	Soil		4.57	3.93	7.10	47.9	31	1.2	3.0	1317	1.12	5.9	<0.1	<0.2	<0.1	68.7	0.16	0.14	0.09	<2	0.85	0.097
1079909	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079910	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079911	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079912	Soil		2.28	4.74	3.25	44.9	9	2.1	5.5	3169	0.59	1.3	<0.1	<0.2	<0.1	86.1	0.09	0.11	0.05	<2	1.13	0.091
1079913	Soil		2.37	6.78	2.69	41.6	18	3.7	29.0	>10000	1.57	3.7	<0.1	<0.2	<0.1	102.5	0.10	0.11	0.05	<2	1.48	0.091
1079914	Soil		1.37	5.43	3.19	45.6	22	1.9	4.9	5107	0.42	1.2	<0.1	<0.2	<0.1	81.8	0.11	0.08	0.05	<2	1.26	0.082
1079915	Soil		2.19	9.04	6.66	73.7	687	5.0	2.5	672	0.28	1.5	<0.1	<0.2	<0.1	23.7	0.93	0.19	0.07	3	0.47	0.139
1079916	Soil		1.75	6.59	8.87	70.3	1441	3.7	1.2	515	0.16	0.5	<0.1	<0.2	<0.1	20.3	0.63	0.25	0.07	2	0.35	0.116
1079917	Soil		1.19	11.24	6.49	79.5	298	7.1	3.6	515	0.51	1.3	<0.1	<0.2	0.1	35.5	0.90	0.16	0.15	12	0.64	0.101
1079918	Soil		1.24	11.19	5.27	57.1	137	7.8	3.1	502	0.71	1.3	0.1	1.4	<0.1	58.1	0.61	0.17	0.07	19	0.91	0.082
1079919	Soil		1.57	13.00	5.41	68.8	294	9.2	8.1	1789	0.52	1.1	0.3	1.3	0.1	62.5	1.33	0.25	0.07	12	1.01	0.115
1079920	Soil		1.45	6.94	6.19	78.8	498	3.9	0.9	397	0.13	0.4	<0.1	0.3	<0.1	16.5	0.65	0.17	0.05	2	0.39	0.131
1079921	Soil		1.42	12.12	2.73	38.9	180	6.4	2.5	337	0.42	0.7	0.4	3.6	<0.1	81.1	0.67	0.19	0.02	11	1.36	0.093
1079922	Soil		1.73	13.29	4.89	45.5	156	7.6	5.7	660	0.41	0.7	0.4	0.9	0.2	112.2	1.22	0.30	0.03	9	1.45	0.121
1079923	Soil		1.17	11.52	4.47	56.8	246	7.9	3.3	563	0.65	0.9	0.2	1.5	0.1	75.9	0.75	0.16	0.04	17	1.00	0.090
1079924	Soil		1.25	13.20	4.14	91.3	210	8.4	3.8	337	0.70	0.8	0.2	<0.2	0.2	71.8	1.38	0.13	0.03	17	1.26	0.111
1079925	Soil		1.34	8.20	5.63	60.7	328	4.4	2.0	211	0.37	0.6	0.1	0.4	0.2	24.1	0.56	0.15	0.03	10	0.36	0.079
1079926	Soil		1.38	5.83	5.05	70.3	339	3.8	1.0	357	0.20	0.7	<0.1	<0.2	<0.1	21.6	0.64	0.13	<0.02	5	0.39	0.105
1079927	Soil		1.09	6.78	6.41	138.8	183	4.3	1.7	2797	0.24	0.5	<0.1	<0.2	<0.1	92.9	0.75	0.11	<0.02	5	1.54	0.103
1079928	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079929	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079930	Soil		1.14	9.49	4.63	47.1	97	5.3	2.2	265	0.58	0.9	0.1	0.9	0.2	33.9	0.69	0.15	<0.02	15	0.48	0.093

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: August 26, 2011

CERTIFICATE OF ANALYSIS VAN11003561.1

		Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
1079901	Soil		4.6	7.1	0.22	248.5	0.007	6	0.33	0.006	0.09	<0.1	1.1	0.10	0.16	316	0.5	0.03	0.7	0.40	<0.1	0.02
1079902	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079903	Soil		3.2	5.1	0.20	82.1	0.005	6	0.19	0.007	0.05	<0.1	1.2	0.04	0.14	179	0.8	0.08	0.4	0.12	<0.1	<0.02
1079904	Soil		1.3	4.5	0.18	105.9	0.002	6	0.11	0.007	0.06	<0.1	0.7	0.07	0.12	249	0.4	0.13	0.2	0.09	<0.1	<0.02
1079905	Soil		1.3	4.3	0.17	102.0	0.002	4	0.10	0.006	0.06	<0.1	0.7	0.06	0.12	226	0.4	0.03	0.2	0.09	<0.1	<0.02
1079906	Soil		1.6	2.7	0.07	46.8	0.002	1	0.07	0.005	0.03	<0.1	1.1	0.04	0.06	114	0.5	0.03	0.1	0.07	<0.1	<0.02
1079907	Soil		0.5	4.4	0.24	161.8	0.006	7	0.24	0.012	0.18	<0.1	1.1	0.05	0.24	684	0.8	0.05	0.4	0.21	<0.1	<0.02
1079908	Soil		<0.5	2.6	0.11	49.7	0.001	2	0.03	0.008	0.08	<0.1	0.6	<0.02	0.09	214	0.4	0.04	0.1	0.07	<0.1	<0.02
1079909	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079910	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079911	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079912	Soil		<0.5	2.6	0.14	79.8	0.001	3	0.04	0.008	0.10	<0.1	0.5	<0.02	0.09	223	0.4	0.04	0.1	0.07	<0.1	<0.02
1079913	Soil		<0.5	2.3	0.16	269.9	<0.001	4	0.04	0.008	0.10	<0.1	0.5	0.04	0.09	185	0.5	0.05	0.1	0.06	<0.1	<0.02
1079914	Soil		<0.5	2.5	0.13	72.3	0.001	5	0.03	0.007	0.11	<0.1	0.4	<0.02	0.08	167	0.5	<0.02	0.1	0.08	<0.1	<0.02
1079915	Soil		1.7	6.4	0.08	103.1	0.008	2	0.30	0.007	0.17	<0.1	0.9	0.06	0.10	383	0.4	0.05	0.6	0.29	<0.1	<0.02
1079916	Soil		0.8	3.6	0.07	104.1	0.006	<1	0.18	0.007	0.08	<0.1	0.6	0.05	0.10	329	0.9	<0.02	0.4	0.20	<0.1	<0.02
1079917	Soil		2.7	9.9	0.16	111.3	0.020	5	0.53	0.006	0.08	<0.1	1.0	0.02	0.09	214	0.7	0.11	1.7	0.33	<0.1	<0.02
1079918	Soil		3.2	12.8	0.27	109.9	0.028	3	0.54	0.006	0.10	0.1	1.2	0.04	0.06	158	0.2	0.03	2.0	0.22	<0.1	<0.02
1079919	Soil		4.7	9.1	0.20	156.7	0.016	2	0.47	0.005	0.08	<0.1	1.3	0.06	0.10	257	0.6	0.06	1.1	0.37	<0.1	<0.02
1079920	Soil		0.6	3.5	0.07	66.2	0.006	5	0.22	0.004	0.11	<0.1	0.5	0.08	0.10	388	0.6	0.04	0.4	0.23	<0.1	<0.02
1079921	Soil		2.6	6.1	0.22	75.4	0.012	3	0.35	0.007	0.07	<0.1	1.0	0.02	0.09	234	0.7	0.04	0.8	0.19	<0.1	<0.02
1079922	Soil		5.3	7.1	0.22	143.3	0.009	<1	0.34	0.006	0.08	<0.1	1.5	0.04	0.10	280	0.6	0.04	0.7	0.19	<0.1	<0.02
1079923	Soil		3.9	11.9	0.21	214.2	0.028	1	0.54	0.006	0.08	<0.1	1.4	0.05	0.06	198	0.3	<0.02	2.2	0.32	<0.1	0.03
1079924	Soil		2.5	13.7	0.28	128.4	0.027	6	0.59	0.005	0.09	<0.1	1.2	0.04	0.09	92	0.5	0.03	2.0	0.45	<0.1	<0.02
1079925	Soil		2.2	8.2	0.11	65.4	0.023	2	0.36	0.005	0.07	<0.1	1.0	0.04	0.07	246	0.4	0.03	1.4	0.35	<0.1	<0.02
1079926	Soil		1.2	5.9	0.08	84.9	0.012	2	0.25	0.006	0.12	<0.1	0.6	0.04	0.09	241	0.3	0.05	0.8	0.26	<0.1	<0.02
1079927	Soil		1.1	5.4	0.10	404.0	0.013	4	0.36	0.005	0.10	<0.1	0.6	0.07	0.09	304	0.6	0.02	0.8	0.32	<0.1	<0.02
1079928	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079929	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079930	Soil		2.5	9.6	0.16	64.6	0.028	4	0.41	0.007	0.08	<0.1	1.2	0.04	0.07	171	0.6	0.03	1.7	0.37	<0.1	<0.02

Acme Analytical Laboratories (Vancouver) Ltd.
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Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: August 26, 2011

CERTIFICATE OF ANALYSIS VAN11003561.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1079901	Soil	0.11	5.6	<0.1	<0.05	0.7	6.26	6.5	0.03	<1	0.1	1.5	<10	<2
1079902	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079903	Soil	0.05	2.0	<0.1	<0.05	0.6	4.90	3.6	<0.02	<1	0.2	0.6	<10	<2
1079904	Soil	0.02	2.1	<0.1	<0.05	0.3	2.32	1.9	<0.02	<1	<0.1	0.3	<10	<2
1079905	Soil	<0.02	1.9	<0.1	<0.05	0.3	2.17	1.8	<0.02	<1	<0.1	0.2	<10	<2
1079906	Soil	0.02	1.1	<0.1	<0.05	0.3	3.22	1.1	<0.02	<1	<0.1	0.1	<10	<2
1079907	Soil	0.07	5.5	0.1	<0.05	0.4	0.54	0.9	<0.02	<1	<0.1	0.3	11	<2
1079908	Soil	<0.02	1.9	<0.1	<0.05	0.1	0.27	0.4	<0.02	<1	<0.1	0.1	<10	<2
1079909	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079910	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079911	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079912	Soil	<0.02	2.8	<0.1	<0.05	<0.1	0.36	0.4	<0.02	<1	<0.1	0.2	<10	<2
1079913	Soil	<0.02	2.6	<0.1	<0.05	<0.1	0.70	0.4	<0.02	<1	<0.1	<0.1	<10	<2
1079914	Soil	<0.02	2.7	<0.1	<0.05	0.1	0.20	0.3	<0.02	<1	<0.1	<0.1	<10	<2
1079915	Soil	0.07	5.1	0.1	<0.05	0.3	1.11	3.2	<0.02	<1	<0.1	0.4	<10	<2
1079916	Soil	0.05	3.3	0.2	<0.05	0.2	0.47	1.6	<0.02	<1	<0.1	0.3	<10	<2
1079917	Soil	0.26	5.6	0.2	<0.05	0.3	1.47	5.3	<0.02	<1	0.2	1.8	<10	<2
1079918	Soil	0.42	5.9	0.2	<0.05	0.7	1.90	5.8	<0.02	<1	0.1	2.1	<10	<2
1079919	Soil	0.19	7.4	0.2	<0.05	0.4	4.08	11.0	<0.02	<1	0.1	1.4	<10	<2
1079920	Soil	0.03	3.9	0.1	<0.05	0.2	0.26	1.1	<0.02	<1	<0.1	0.2	<10	<2
1079921	Soil	0.16	3.6	<0.1	<0.05	0.6	2.34	4.7	<0.02	<1	0.1	0.8	<10	<2
1079922	Soil	0.12	3.9	<0.1	<0.05	0.6	4.70	9.8	<0.02	<1	0.1	0.6	<10	<2
1079923	Soil	0.43	5.9	0.2	<0.05	0.7	2.43	7.2	<0.02	<1	0.1	1.8	<10	<2
1079924	Soil	0.34	8.6	0.2	<0.05	0.6	1.36	4.6	<0.02	<1	0.1	2.2	11	<2
1079925	Soil	0.31	5.4	0.2	<0.05	0.6	1.03	4.2	<0.02	<1	0.1	1.3	<10	<2
1079926	Soil	0.11	4.9	0.2	<0.05	0.3	0.46	2.2	<0.02	<1	<0.1	0.5	<10	<2
1079927	Soil	0.14	9.4	0.2	<0.05	0.1	0.46	2.0	<0.02	<1	<0.1	0.7	<10	<2
1079928	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079929	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079930	Soil	0.34	6.9	0.2	<0.05	0.6	1.14	4.6	<0.02	<1	<0.1	1.6	<10	<2

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		Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1079931	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079932	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079933	Soil		1.47	6.69	6.09	55.1	399	3.8	1.6	307	0.22	0.3	<0.1	<0.2	<0.1	20.1	0.97	0.13	<0.02	5	0.34	0.121
1079934	Soil		1.09	8.02	5.51	66.4	408	4.4	1.5	1666	0.33	0.6	<0.1	<0.2	<0.1	32.1	0.68	0.14	<0.02	6	0.60	0.118
1079935	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079936	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079937	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079938	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079939	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079940	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079941	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079942	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079943	Soil		1.08	9.68	4.58	63.8	315	4.2	1.4	624	0.19	<0.1	<0.1	2.5	<0.1	20.3	0.76	0.09	0.06	5	0.51	0.093
1079944	Soil		2.26	19.74	6.01	74.4	246	13.1	8.4	708	0.87	2.3	0.4	1.2	0.1	55.5	0.66	0.20	0.08	16	0.88	0.102
1079945	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079946	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079947	Soil		1.34	47.74	4.26	98.3	406	22.0	4.2	1006	0.81	1.9	1.3	<0.2	0.1	97.9	1.16	0.34	0.07	13	1.52	0.123
1079948	Soil		1.85	17.20	5.44	58.7	320	8.9	4.5	868	0.57	1.1	0.2	0.8	0.2	70.3	0.92	0.18	0.06	13	1.10	0.119
1079949	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079950	Soil		1.44	10.95	5.28	62.5	241	7.3	3.6	2377	0.35	1.6	<0.1	1.9	<0.1	29.9	0.71	0.15	0.08	5	0.57	0.117
1079951	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079952	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079953	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079954	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079955	Soil		0.69	9.48	5.52	39.3	591	4.6	1.0	282	0.17	<0.1	<0.1	1.2	<0.1	19.3	0.85	0.09	0.05	3	0.42	0.078
1079956	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079957	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079958	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079959	Soil		0.98	7.41	8.23	61.0	401	5.4	2.1	634	0.35	0.9	<0.1	1.5	<0.1	29.2	0.65	0.14	0.06	6	0.53	0.100
1079960	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: August 26, 2011

CERTIFICATE OF ANALYSIS VAN11003561.1

		Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
1079931	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079932	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079933	Soil		1.0	4.7	0.09	61.0	0.010	2	0.32	0.007	0.08	<0.1	0.5	0.05	0.10	291	0.4	<0.02	0.6	0.18	<0.1	<0.02
1079934	Soil		1.2	5.3	0.09	135.7	0.011	3	0.31	0.006	0.10	<0.1	0.4	0.09	0.10	329	0.4	<0.02	0.9	0.26	<0.1	<0.02
1079935	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079936	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079937	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079938	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079939	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079940	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079941	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079942	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079943	Soil		0.9	4.9	0.08	70.1	0.010	1	0.24	0.004	0.11	<0.1	0.4	0.04	0.09	355	0.5	<0.02	0.6	0.33	<0.1	<0.02
1079944	Soil		4.8	16.0	0.28	136.5	0.020	2	0.72	0.006	0.08	<0.1	1.3	0.05	0.09	201	0.5	<0.02	2.4	0.49	<0.1	<0.02
1079945	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079946	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079947	Soil		15.2	16.3	0.35	225.8	0.015	<1	0.97	0.006	0.07	<0.1	1.7	0.07	0.12	234	0.7	0.02	2.4	0.43	<0.1	<0.02
1079948	Soil		4.0	10.4	0.25	143.2	0.016	1	0.49	0.007	0.10	<0.1	0.8	0.05	0.09	207	0.3	<0.02	1.5	0.44	<0.1	<0.02
1079949	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079950	Soil		2.3	6.8	0.11	121.2	0.012	<1	0.40	0.007	0.10	<0.1	0.6	0.08	0.08	192	0.6	0.05	1.0	0.22	<0.1	<0.02
1079951	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079952	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079953	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079954	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079955	Soil		1.1	4.2	0.06	167.0	0.005	<1	0.18	0.013	0.09	<0.1	0.4	<0.02	0.09	292	0.6	0.04	0.4	0.14	<0.1	<0.02
1079956	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079957	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079958	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079959	Soil		1.4	5.9	0.08	107.6	0.013	1	0.34	0.009	0.05	<0.1	0.6	0.02	0.07	218	0.9	0.04	0.9	0.24	<0.1	<0.02
1079960	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: August 26, 2011

CERTIFICATE OF ANALYSIS VAN11003561.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1079931	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079932	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079933	Soil	0.09	3.3	0.2	<0.05	0.2	0.43	1.9	<0.02	<1	<0.1	0.5	<10	<2
1079934	Soil	0.15	3.9	0.1	<0.05	0.1	0.45	2.1	<0.02	<1	<0.1	0.9	<10	<2
1079935	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079936	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079937	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079938	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079939	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079940	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079941	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079942	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079943	Soil	0.09	6.6	0.2	<0.05	0.1	0.37	1.8	<0.02	<1	0.1	0.5	<10	4
1079944	Soil	0.36	6.8	0.2	<0.05	0.3	3.26	9.8	<0.02	<1	0.4	2.8	<10	<2
1079945	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079946	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079947	Soil	0.28	4.3	0.2	<0.05	0.5	11.28	27.2	<0.02	<1	0.3	3.2	<10	4
1079948	Soil	0.21	6.3	0.1	<0.05	0.3	2.60	7.2	<0.02	1	0.2	1.8	<10	<2
1079949	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079950	Soil	0.15	4.9	0.2	<0.05	0.1	1.47	4.5	<0.02	<1	<0.1	1.1	<10	<2
1079951	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079952	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079953	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079954	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079955	Soil	0.04	1.8	0.1	<0.05	0.2	0.71	1.9	<0.02	<1	<0.1	0.1	<10	<2
1079956	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079957	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079958	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079959	Soil	0.16	2.2	0.2	<0.05	0.1	0.52	2.2	<0.02	<1	<0.1	0.7	<10	<2
1079960	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: August 26, 2011

CERTIFICATE OF ANALYSIS VAN11003561.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1079961	Soil	1.37	26.08	8.03	32.3	773	8.3	2.9	334	0.65	0.7	1.0	1.3	0.1	59.7	2.10	0.23	0.07	10	0.82	0.078
1079962	Soil	0.89	47.72	3.21	19.3	265	16.0	4.2	65	0.81	0.9	2.9	0.9	0.2	97.8	1.60	0.33	0.05	15	1.72	0.081
1079963	Soil	1.02	8.39	6.12	36.5	395	3.4	1.6	139	0.19	0.2	<0.1	1.2	<0.1	33.2	0.44	0.16	0.04	4	0.44	0.090
1079964	Soil	1.04	8.37	5.99	276.0	458	5.5	2.2	>10000	0.11	<0.1	<0.1	0.7	<0.1	69.7	1.06	0.10	0.03	<2	1.85	0.134
1079965	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079966	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079967	Soil	1.28	16.26	7.73	39.1	506	7.5	1.6	570	0.34	0.2	0.3	1.1	0.1	59.3	1.01	0.35	0.06	7	0.88	0.104
1079968	Soil	1.07	40.04	4.01	40.2	188	21.0	13.3	1662	1.34	3.7	0.7	1.1	0.2	108.9	1.14	0.49	0.06	17	1.78	0.121
1079969	Soil	1.59	10.47	7.50	81.5	631	7.9	3.2	2917	0.39	1.3	<0.1	1.3	<0.1	33.5	1.53	0.14	0.04	6	0.64	0.104
1079970	Soil	1.71	11.77	5.42	267.6	763	19.4	5.1	>10000	0.39	3.2	<0.1	<0.2	<0.1	75.1	1.67	0.17	0.06	<2	1.93	0.117
1079971	Soil	1.85	11.66	6.76	69.9	269	10.3	4.5	4059	0.68	1.7	<0.1	0.9	<0.1	38.2	0.57	0.19	0.05	13	0.65	0.083
1079972	Soil	1.30	13.69	6.84	109.0	587	12.1	5.9	4701	0.66	3.5	0.1	1.0	<0.1	77.1	1.40	0.20	0.06	11	1.30	0.100
1079973	Soil	1.09	15.57	5.69	82.0	730	13.0	4.5	2055	0.74	1.5	0.2	1.4	<0.1	68.7	0.74	0.23	0.06	16	0.89	0.084
1079974	Soil	1.25	12.46	7.26	281.6	884	13.4	3.8	7563	0.35	0.4	0.1	0.7	<0.1	133.0	1.53	0.14	0.06	7	2.33	0.095
1079975	Soil	1.24	12.25	7.01	99.9	414	9.6	3.7	2110	0.80	1.4	0.1	1.0	<0.1	44.6	1.23	0.20	0.06	19	0.82	0.084
1079976	Soil	0.85	12.07	4.60	131.3	602	10.1	4.0	6379	0.73	1.2	0.1	0.7	0.1	43.0	0.79	0.17	0.06	17	1.33	0.079
1079977	Soil	1.19	9.98	6.97	96.9	931	5.6	2.4	3328	0.37	0.8	<0.1	0.3	<0.1	43.2	0.92	0.19	0.06	9	0.87	0.087
1079978	Soil	1.31	39.99	5.92	51.8	405	24.7	6.5	816	1.37	2.6	1.1	3.2	0.1	96.2	1.06	0.50	0.07	30	1.15	0.106
1079979	Soil	1.49	9.08	8.60	56.8	804	6.2	3.3	1549	0.49	1.0	0.1	0.4	<0.1	40.3	1.24	0.19	0.07	12	0.59	0.090
1079980	Soil	1.35	24.72	5.16	67.2	329	18.6	6.3	979	1.23	1.5	0.6	5.5	<0.1	90.8	0.72	0.30	0.07	26	1.22	0.102
1079981	Soil	1.74	11.46	8.27	142.0	591	11.0	5.2	5444	0.90	1.2	0.2	3.1	<0.1	56.4	2.23	0.23	0.07	23	1.08	0.079
1079982	Soil	1.69	16.25	5.24	214.8	557	10.1	4.8	2639	0.68	1.0	0.1	0.7	<0.1	86.9	1.67	0.15	0.05	17	1.75	0.077
1079983	Soil	1.90	10.67	5.08	126.1	273	11.1	4.4	3103	0.53	1.0	0.1	0.7	<0.1	69.2	1.16	0.17	0.04	13	1.47	0.096
1079984	Soil	2.08	11.54	6.54	108.8	413	11.0	5.0	3231	0.57	0.6	0.1	1.2	0.1	63.1	1.63	0.15	0.05	13	1.38	0.098
1079985	Soil	2.79	8.21	6.92	82.0	952	8.5	4.4	3223	0.43	0.7	<0.1	0.6	<0.1	46.7	2.06	0.14	0.06	10	0.99	0.102
1079986	Soil	2.40	10.27	8.99	104.0	636	8.3	5.2	3690	0.61	0.9	0.1	0.3	<0.1	42.5	1.14	0.20	0.07	15	0.86	0.094
1079987	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079988	Soil	2.26	16.02	4.68	68.4	293	9.7	3.2	928	0.38	0.6	0.4	1.0	0.2	101.6	1.60	0.20	0.04	9	1.71	0.103
1079989	Soil	2.36	9.49	8.75	80.2	294	5.2	2.1	1879	0.25	0.5	<0.1	0.5	0.1	49.8	1.07	0.12	0.05	6	0.72	0.120
1079990	Soil	1.00	11.24	8.86	75.4	343	7.2	2.6	281	0.42	0.5	<0.1	0.5	<0.1	27.7	2.11	0.09	0.06	10	0.34	0.081

Acme Analytical Laboratories (Vancouver) Ltd.
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	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
1079961	Soil	6.4	10.7	0.15	209.0	0.014	<1	0.46	0.010	0.08	<0.1	1.5	0.04	0.06	177	0.9	<0.02	1.7	0.33	<0.1	<0.02
1079962	Soil	7.7	12.7	0.31	106.3	0.012	2	0.60	0.014	0.04	<0.1	1.6	0.03	0.13	140	2.2	0.02	1.7	0.18	<0.1	0.03
1079963	Soil	1.6	3.7	0.07	109.6	0.009	<1	0.19	0.010	0.07	<0.1	0.6	0.04	0.09	275	0.5	<0.02	0.7	0.19	<0.1	<0.02
1079964	Soil	0.5	2.7	0.10	416.4	0.005	7	0.11	0.010	0.15	<0.1	0.6	0.12	0.12	438	0.5	<0.02	0.4	0.29	<0.1	<0.02
1079965	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079966	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079967	Soil	3.2	5.7	0.09	229.5	0.008	<1	0.34	0.009	0.08	<0.1	1.4	0.05	0.10	357	0.6	0.02	0.8	0.49	<0.1	0.03
1079968	Soil	10.5	18.0	0.35	199.7	0.013	<1	0.97	0.012	0.06	0.2	2.3	0.09	0.13	249	0.8	0.09	2.3	0.28	<0.1	<0.02
1079969	Soil	1.1	6.9	0.10	171.3	0.011	2	0.31	0.008	0.09	<0.1	0.6	0.04	0.09	323	0.5	0.03	0.7	0.28	<0.1	<0.02
1079970	Soil	1.7	6.2	0.10	665.5	0.007	2	0.57	0.008	0.12	<0.1	0.3	0.13	0.10	662	0.3	<0.02	1.0	0.29	<0.1	<0.02
1079971	Soil	2.4	11.2	0.17	239.0	0.022	<1	0.46	0.008	0.08	<0.1	0.9	0.08	0.06	220	0.6	0.03	1.6	0.36	<0.1	<0.02
1079972	Soil	4.5	10.3	0.19	345.6	0.013	3	0.58	0.012	0.09	<0.1	0.5	0.07	0.07	361	0.3	<0.02	1.5	0.31	<0.1	<0.02
1079973	Soil	8.5	11.2	0.22	337.6	0.015	4	0.60	0.011	0.09	<0.1	0.7	0.06	0.08	206	<0.1	0.03	1.5	0.30	<0.1	<0.02
1079974	Soil	4.3	5.0	0.17	783.9	0.007	7	0.45	0.007	0.10	<0.1	0.4	0.10	0.12	444	0.2	<0.02	0.8	0.36	<0.1	<0.02
1079975	Soil	2.7	11.8	0.21	194.5	0.021	4	0.55	0.008	0.09	<0.1	0.8	0.06	0.07	236	0.1	<0.02	1.7	0.31	<0.1	<0.02
1079976	Soil	2.0	10.4	0.18	324.7	0.019	4	0.55	0.008	0.10	<0.1	0.8	0.08	0.08	620	0.1	<0.02	1.5	0.29	<0.1	<0.02
1079977	Soil	1.5	5.8	0.12	233.9	0.010	5	0.35	0.008	0.08	<0.1	0.4	0.08	0.10	415	0.2	<0.02	1.0	0.27	<0.1	<0.02
1079978	Soil	23.7	22.6	0.38	255.4	0.028	4	1.11	0.011	0.09	<0.1	2.5	0.07	0.11	176	0.1	0.05	2.8	0.59	<0.1	<0.02
1079979	Soil	3.4	7.8	0.10	275.7	0.015	2	0.41	0.011	0.07	<0.1	0.7	0.05	0.08	270	<0.1	<0.02	1.3	0.27	<0.1	<0.02
1079980	Soil	10.7	19.4	0.41	273.7	0.017	4	1.06	0.010	0.10	<0.1	1.2	0.07	0.10	231	0.2	<0.02	2.5	0.42	<0.1	<0.02
1079981	Soil	3.7	13.5	0.23	376.6	0.024	3	0.58	0.008	0.08	<0.1	0.9	0.09	0.07	277	0.1	<0.02	2.1	0.31	<0.1	<0.02
1079982	Soil	2.5	9.9	0.19	531.4	0.019	6	0.50	0.013	0.07	<0.1	0.7	0.06	0.10	456	0.1	<0.02	1.5	0.33	<0.1	<0.02
1079983	Soil	2.9	7.8	0.17	344.1	0.018	5	0.43	0.010	0.11	<0.1	0.8	0.08	0.10	399	<0.1	<0.02	1.3	0.35	<0.1	<0.02
1079984	Soil	3.1	8.6	0.17	343.8	0.017	6	0.46	0.011	0.09	<0.1	0.9	0.12	0.10	396	<0.1	<0.02	1.2	0.43	<0.1	<0.02
1079985	Soil	2.5	6.8	0.13	376.2	0.011	4	0.42	0.012	0.11	<0.1	0.4	0.16	0.10	422	0.2	<0.02	1.1	0.35	<0.1	<0.02
1079986	Soil	2.6	9.5	0.14	378.3	0.017	3	0.46	0.012	0.10	<0.1	0.6	0.17	0.08	264	0.1	<0.02	1.6	0.33	<0.1	<0.02
1079987	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079988	Soil	3.6	7.8	0.23	227.4	0.010	4	0.40	0.011	0.08	<0.1	1.2	0.06	0.11	265	0.3	<0.02	1.0	0.22	<0.1	0.02
1079989	Soil	1.6	5.3	0.12	234.3	0.011	3	0.26	0.010	0.12	<0.1	0.7	0.04	0.10	205	0.2	<0.02	0.7	0.20	<0.1	<0.02
1079990	Soil	2.0	6.9	0.08	202.7	0.007	3	0.41	0.009	0.08	<0.1	0.2	0.03	0.06	153	0.3	<0.02	1.1	0.15	<0.1	<0.02

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Method		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1079961	Soil	0.20	3.2	0.3	<0.05	0.2	3.76	10.7	<0.02	<1	0.2	1.1	<10	<2
1079962	Soil	0.23	2.3	0.1	<0.05	1.0	7.89	10.8	<0.02	<1	0.3	2.2	<10	<2
1079963	Soil	0.10	2.5	0.2	<0.05	0.2	0.68	2.7	<0.02	<1	<0.1	0.4	<10	<2
1079964	Soil	0.06	4.7	0.1	<0.05	0.2	0.31	1.0	<0.02	<1	<0.1	0.2	14	<2
1079965	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079966	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079967	Soil	0.11	2.8	0.1	<0.05	0.5	3.56	6.0	<0.02	3	<0.1	0.8	<10	<2
1079968	Soil	0.28	3.2	0.1	<0.05	0.7	10.16	19.4	<0.02	<1	<0.1	2.8	<10	<2
1079969	Soil	0.11	3.8	0.1	<0.05	0.2	0.58	2.0	<0.02	<1	<0.1	0.6	<10	<2
1079970	Soil	0.12	5.2	<0.1	<0.05	<0.1	1.23	4.0	<0.02	<1	0.2	1.0	20	<2
1079971	Soil	0.26	5.8	0.1	<0.05	<0.1	0.99	4.4	<0.02	<1	0.1	2.8	<10	<2
1079972	Soil	0.23	4.5	0.1	<0.05	<0.1	2.99	9.4	<0.02	<1	0.2	2.2	<10	<2
1079973	Soil	0.29	3.9	0.2	<0.05	0.2	6.32	18.9	<0.02	<1	0.2	2.5	<10	<2
1079974	Soil	0.12	4.0	0.1	<0.05	0.2	2.86	11.0	<0.02	<1	0.1	1.2	<10	<2
1079975	Soil	0.32	6.0	0.2	<0.05	0.3	1.33	5.4	<0.02	<1	0.1	3.1	<10	<2
1079976	Soil	0.27	4.7	0.1	<0.05	0.3	1.20	4.3	<0.02	<1	<0.1	2.6	<10	<2
1079977	Soil	0.14	3.7	0.2	<0.05	<0.1	0.74	3.0	<0.02	<1	<0.1	1.0	<10	<2
1079978	Soil	0.45	7.5	0.2	<0.05	0.3	22.23	37.0	<0.02	1	0.4	5.0	<10	<2
1079979	Soil	0.22	3.0	0.2	<0.05	0.1	1.91	6.8	<0.02	<1	0.1	1.2	<10	<2
1079980	Soil	0.45	8.5	0.2	<0.05	0.4	7.66	22.8	<0.02	<1	0.4	4.9	<10	<2
1079981	Soil	0.32	5.7	0.2	<0.05	0.1	2.06	8.0	<0.02	<1	0.1	3.4	<10	<2
1079982	Soil	0.32	5.0	0.2	<0.05	0.3	1.49	5.8	<0.02	<1	0.1	2.6	<10	<2
1079983	Soil	0.23	6.3	0.1	<0.05	0.2	1.79	6.9	<0.02	2	<0.1	1.8	<10	<2
1079984	Soil	0.22	7.6	0.1	<0.05	0.2	1.96	8.1	<0.02	<1	0.1	1.7	<10	<2
1079985	Soil	0.18	6.1	0.1	<0.05	<0.1	1.42	5.3	<0.02	<1	<0.1	1.1	<10	<2
1079986	Soil	0.27	4.6	0.2	<0.05	<0.1	1.08	5.4	<0.02	<1	<0.1	1.8	<10	<2
1079987	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079988	Soil	0.15	3.1	0.1	<0.05	0.7	3.62	6.4	<0.02	<1	0.1	1.2	<10	<2
1079989	Soil	0.14	3.3	0.3	<0.05	0.2	0.70	3.0	<0.02	<1	<0.1	0.6	<10	<2
1079990	Soil	0.17	2.5	0.2	<0.05	<0.1	0.74	3.9	<0.02	<1	0.1	0.6	<10	<2

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www.acmelab.com

Client: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: August 26, 2011

CERTIFICATE OF ANALYSIS VAN11003561.1

		Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1079991	Soil		1.28	11.18	6.64	82.2	464	5.1	1.7	951	0.27	0.7	<0.1	0.3	<0.1	24.3	0.75	0.11	0.04	8	0.56	0.111
1079992	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079993	Soil		0.98	27.87	6.23	124.7	742	12.3	3.0	952	0.73	1.5	0.3	0.5	0.2	150.5	1.21	0.28	0.05	15	3.04	0.120
1079994	Soil		2.57	9.32	9.50	168.4	678	6.9	6.8	5036	0.42	0.6	<0.1	1.0	<0.1	79.3	1.94	0.16	0.07	10	1.62	0.121
1079995	Soil		2.32	10.14	6.48	143.0	868	7.3	4.4	4410	0.41	0.7	<0.1	<0.2	<0.1	111.1	1.66	0.14	0.04	9	1.84	0.132
1079996	Soil		1.39	10.25	7.08	182.5	565	6.5	3.5	4706	0.37	0.7	<0.1	0.6	<0.1	80.9	1.84	0.13	0.04	9	1.44	0.121
1079997	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079998	Soil		1.17	8.06	5.08	91.5	195	5.9	2.2	4218	0.35	0.7	<0.1	4.3	<0.1	109.5	0.74	0.13	0.04	10	2.20	0.114
1079999	Soil		1.57	12.13	8.49	64.6	250	10.0	5.1	2497	1.06	2.0	0.1	12.7	0.1	44.5	0.44	0.25	0.07	30	0.79	0.105
1080000	Soil		1.51	7.10	4.92	64.8	270	2.9	1.0	570	0.15	0.4	<0.1	<0.2	<0.1	104.0	0.44	0.11	0.04	4	1.68	0.093
1080165	Soil		1.09	11.38	6.69	103.9	600	9.8	2.5	1790	0.46	1.1	<0.1	0.4	<0.1	31.3	1.04	0.19	0.04	11	0.83	0.111
1080166	Soil		1.64	6.73	4.96	107.1	428	5.7	2.8	4351	0.27	0.4	<0.1	0.7	<0.1	35.8	1.14	0.14	0.04	6	0.93	0.098
1080167	Soil		1.47	17.72	5.08	95.9	446	11.4	1.9	913	0.44	0.5	0.5	0.3	0.1	122.5	1.29	0.31	0.04	10	1.60	0.114
1080168	Soil		1.00	8.08	5.30	63.7	586	3.2	0.9	329	0.19	0.5	<0.1	0.3	<0.1	18.2	0.75	0.11	0.03	5	0.44	0.099
1080169	Soil		1.38	6.46	5.38	92.8	437	5.2	1.5	1420	0.33	0.9	<0.1	0.5	0.1	28.7	0.79	0.16	0.04	10	0.57	0.086
1080170	Soil		1.22	5.80	6.41	65.5	674	5.3	1.6	755	0.33	0.7	<0.1	<0.2	<0.1	26.3	1.31	0.18	0.08	9	0.37	0.096
1080171	Soil		1.59	9.92	6.35	79.4	844	5.6	2.1	971	0.34	0.6	0.1	1.1	<0.1	33.6	1.30	0.18	0.05	8	0.66	0.110
1080172	Soil		1.02	7.98	4.03	107.6	469	3.6	2.4	1429	0.16	0.6	<0.1	0.3	<0.1	22.3	1.03	0.11	0.03	4	0.52	0.104
1080173	Soil		1.77	7.96	8.05	151.1	235	6.4	3.3	5010	0.33	<0.1	<0.1	3.2	<0.1	72.1	1.14	0.16	0.13	7	1.75	0.098
1080174	Soil		1.55	9.12	5.45	173.2	472	5.9	1.8	4086	0.27	<0.1	<0.1	4.7	0.1	54.8	1.65	0.14	0.10	5	1.37	0.104
1080175	Soil		2.62	19.72	5.24	50.7	400	11.8	5.6	644	0.69	0.1	0.5	5.8	<0.1	67.4	1.19	0.42	0.31	14	0.93	0.108
1080176	Soil		2.26	16.13	4.80	70.5	100	11.1	4.8	1318	0.55	<0.1	0.3	6.2	0.2	114.1	0.95	0.32	0.11	11	2.17	0.113
1080177	Soil		1.73	27.50	4.33	90.0	213	19.7	8.4	1732	1.06	1.4	0.6	2.6	<0.1	106.4	0.70	0.34	0.08	23	1.73	0.085
1080178	Soil		2.86	31.13	3.53	100.8	307	19.0	7.5	2053	1.13	1.5	0.4	2.3	0.2	69.8	0.83	0.21	0.07	26	1.41	0.115
1080179	Soil		1.30	20.79	5.92	45.4	331	11.4	3.4	408	0.83	0.6	0.4	2.3	<0.1	78.6	0.47	0.32	0.09	20	1.08	0.087
1080180	Soil		1.47	9.20	6.12	162.2	463	5.7	3.0	1000	0.38	<0.1	<0.1	1.3	<0.1	56.0	0.98	0.15	0.05	10	0.92	0.067
1080181	Soil		1.85	22.65	5.35	93.9	532	18.0	7.2	2027	1.19	0.2	0.5	2.8	<0.1	97.7	0.76	0.31	0.08	27	1.46	0.086
1080182	Soil		1.51	22.97	6.06	138.3	357	16.8	5.0	2745	0.72	0.4	0.4	0.9	0.1	115.7	1.36	0.22	0.06	15	2.00	0.092
1080183	Soil		2.44	10.81	6.51	155.1	534	11.9	5.5	5493	0.85	0.2	0.1	1.0	<0.1	94.2	1.63	0.18	0.07	21	1.69	0.073
1080184	Soil		3.02	9.46	6.36	125.5	283	9.3	4.3	3626	0.75	<0.1	0.1	0.6	0.1	74.3	1.30	0.15	0.06	18	1.32	0.074

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		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
1079991	Soil		1.4	6.4	0.09	105.5	0.014	7	0.32	0.012	0.10	<0.1	0.5	0.04	0.10	257	0.2	<0.02	0.9	0.22	<0.1	<0.02
1079992	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079993	Soil		4.4	12.9	0.32	335.5	0.013	12	0.62	0.010	0.11	<0.1	1.8	0.06	0.16	424	0.7	<0.02	1.4	0.40	<0.1	0.03
1079994	Soil		1.5	6.7	0.16	532.7	0.010	7	0.28	0.008	0.15	<0.1	0.4	0.14	0.14	435	0.2	<0.02	1.0	0.28	<0.1	<0.02
1079995	Soil		1.2	6.4	0.19	488.5	0.009	7	0.24	0.009	0.18	<0.1	0.4	0.11	0.12	354	0.2	<0.02	0.8	0.35	<0.1	<0.02
1079996	Soil		1.1	4.9	0.14	528.3	0.008	6	0.30	0.009	0.19	<0.1	0.4	0.07	0.12	417	0.2	<0.02	0.8	0.22	<0.1	<0.02
1079997	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079998	Soil		1.2	6.0	0.17	447.3	0.011	8	0.26	0.010	0.20	<0.1	0.5	0.13	0.11	341	0.3	<0.02	0.9	0.40	<0.1	<0.02
1079999	Soil		3.0	15.5	0.25	232.4	0.038	3	0.54	0.010	0.11	0.1	1.1	0.09	0.07	197	<0.1	0.03	2.4	0.38	<0.1	<0.02
1080000	Soil		0.8	2.5	0.08	331.7	0.006	5	0.11	0.011	0.08	<0.1	0.6	0.03	0.14	515	0.3	<0.02	0.4	0.15	<0.1	<0.02
1080165	Soil		1.4	7.4	0.17	138.1	0.010	6	0.39	0.007	0.12	<0.1	0.5	0.08	0.10	477	0.3	<0.02	0.9	0.25	<0.1	<0.02
1080166	Soil		1.2	3.9	0.10	219.4	0.011	6	0.32	0.006	0.12	<0.1	0.7	0.07	0.10	471	0.2	0.02	0.7	0.21	<0.1	<0.02
1080167	Soil		9.1	5.7	0.31	295.6	0.010	5	0.49	0.006	0.09	<0.1	1.2	0.05	0.13	313	0.2	<0.02	0.9	0.26	<0.1	<0.02
1080168	Soil		0.8	3.0	0.07	65.5	0.009	7	0.24	0.007	0.09	<0.1	0.6	0.04	0.11	276	0.1	<0.02	0.5	0.18	<0.1	<0.02
1080169	Soil		1.4	6.0	0.10	105.1	0.016	6	0.32	0.009	0.10	<0.1	0.7	0.06	0.08	266	0.3	<0.02	1.0	0.20	<0.1	<0.02
1080170	Soil		1.3	6.2	0.10	100.5	0.015	3	0.33	0.007	0.07	<0.1	0.6	0.06	0.10	303	0.3	<0.02	1.0	0.18	<0.1	<0.02
1080171	Soil		3.3	6.2	0.11	146.7	0.014	5	0.41	0.006	0.09	<0.1	0.8	0.08	0.10	386	0.3	<0.02	1.0	0.32	<0.1	<0.02
1080172	Soil		1.3	2.8	0.08	93.7	0.007	6	0.29	0.006	0.10	<0.1	0.4	0.06	0.10	342	0.3	<0.02	0.4	0.17	<0.1	<0.02
1080173	Soil		1.4	6.3	0.15	331.9	0.012	6	0.28	0.010	0.13	<0.1	0.5	0.14	0.12	432	0.3	<0.02	1.1	0.34	<0.1	<0.02
1080174	Soil		1.5	5.3	0.12	335.3	0.012	7	0.23	0.008	0.15	<0.1	0.7	0.12	0.12	379	0.3	<0.02	0.8	0.39	<0.1	<0.02
1080175	Soil		9.4	11.7	0.24	229.8	0.012	3	0.73	0.007	0.09	<0.1	1.1	0.12	0.09	273	0.4	<0.02	1.8	0.35	<0.1	<0.02
1080176	Soil		5.7	7.8	0.34	162.4	0.008	7	0.38	0.008	0.09	<0.1	1.4	0.15	0.14	317	0.3	<0.02	0.9	0.41	<0.1	<0.02
1080177	Soil		10.3	16.0	0.37	230.4	0.016	4	0.81	0.008	0.07	<0.1	1.4	0.09	0.13	282	0.5	<0.02	2.1	0.30	<0.1	<0.02
1080178	Soil		5.6	17.6	0.36	163.0	0.021	7	0.76	0.007	0.13	<0.1	1.8	0.07	0.12	99	0.3	0.02	2.3	0.37	<0.1	<0.02
1080179	Soil		7.5	13.2	0.21	244.5	0.019	4	0.70	0.010	0.07	<0.1	1.2	0.07	0.11	238	0.5	<0.02	2.0	0.47	<0.1	<0.02
1080180	Soil		1.8	6.8	0.14	264.3	0.015	4	0.30	0.008	0.07	<0.1	0.6	0.05	0.09	278	0.3	<0.02	1.0	0.26	<0.1	<0.02
1080181	Soil		9.9	19.9	0.35	389.0	0.027	5	1.06	0.008	0.10	<0.1	1.4	0.10	0.08	261	0.4	<0.02	3.2	0.70	<0.1	<0.02
1080182	Soil		15.7	12.2	0.27	480.5	0.015	5	0.65	0.009	0.10	<0.1	1.6	0.09	0.10	349	0.2	<0.02	1.8	0.48	<0.1	0.02
1080183	Soil		3.6	12.9	0.21	467.5	0.024	4	0.58	0.008	0.10	<0.1	0.9	0.09	0.07	289	0.3	<0.02	1.9	0.46	<0.1	<0.02
1080184	Soil		2.7	11.3	0.18	411.9	0.024	4	0.47	0.008	0.09	<0.1	1.0	0.07	0.08	897	0.2	<0.02	1.7	0.35	<0.1	<0.02

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Method		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1079991	Soil	0.18	3.5	0.2	<0.05	0.2	0.56	2.9	<0.02	<1	<0.1	0.6	<10	<2
1079992	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079993	Soil	0.24	3.6	0.1	<0.05	1.0	5.70	5.9	<0.02	<1	0.2	2.3	<10	<2
1079994	Soil	0.19	4.6	0.2	<0.05	0.1	0.77	3.0	<0.02	<1	<0.1	1.3	<10	<2
1079995	Soil	0.13	4.7	0.1	<0.05	0.1	0.68	2.4	<0.02	<1	<0.1	1.3	<10	<2
1079996	Soil	0.12	4.2	<0.1	<0.05	0.1	0.65	2.0	<0.02	<1	<0.1	1.2	<10	<2
1079997	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079998	Soil	0.17	6.2	0.1	<0.05	0.2	0.73	2.4	<0.02	<1	<0.1	1.2	<10	<2
1079999	Soil	0.34	8.0	0.2	<0.05	0.2	1.38	6.2	<0.02	<1	0.1	3.6	<10	<2
1080000	Soil	0.08	2.4	<0.1	<0.05	0.4	0.31	1.3	<0.02	<1	<0.1	0.3	<10	<2
1080165	Soil	0.14	4.4	0.1	<0.05	0.1	1.13	3.0	<0.02	<1	<0.1	1.2	<10	<2
1080166	Soil	0.10	4.0	<0.1	<0.05	0.2	0.59	2.5	<0.02	<1	<0.1	0.5	<10	<2
1080167	Soil	0.13	3.4	0.1	<0.05	0.5	7.81	17.4	<0.02	<1	0.2	1.0	<10	<2
1080168	Soil	0.12	2.0	<0.1	<0.05	0.3	0.40	1.5	<0.02	<1	<0.1	0.4	<10	<2
1080169	Soil	0.18	3.6	0.2	<0.05	0.2	0.59	2.7	<0.02	<1	<0.1	0.7	<10	<2
1080170	Soil	0.15	2.2	0.1	<0.05	0.2	0.51	2.7	<0.02	1	<0.1	0.5	<10	<2
1080171	Soil	0.15	4.3	0.1	<0.05	0.1	2.10	6.6	<0.02	1	<0.1	0.9	<10	<2
1080172	Soil	0.07	2.9	<0.1	<0.05	0.2	0.81	3.2	<0.02	2	<0.1	0.3	<10	<2
1080173	Soil	0.19	4.4	0.1	<0.05	<0.1	0.68	3.0	<0.02	<1	<0.1	1.0	<10	<2
1080174	Soil	0.17	6.6	<0.1	<0.05	0.2	0.81	3.5	<0.02	<1	<0.1	0.7	<10	<2
1080175	Soil	0.29	3.7	0.2	<0.05	0.1	7.54	21.7	<0.02	<1	0.4	2.0	<10	<2
1080176	Soil	0.14	3.6	0.1	<0.05	0.7	7.30	12.6	<0.02	2	0.2	1.1	<10	<2
1080177	Soil	0.38	4.1	0.2	<0.05	0.6	9.82	20.8	<0.02	<1	0.2	3.4	<10	<2
1080178	Soil	0.47	6.5	0.1	<0.05	0.7	5.21	13.0	<0.02	<1	0.2	3.6	<10	<2
1080179	Soil	0.37	4.5	0.2	<0.05	0.2	6.22	14.9	<0.02	<1	0.2	2.1	<10	<2
1080180	Soil	0.23	3.6	0.1	<0.05	0.4	0.98	4.0	<0.02	1	<0.1	0.9	<10	<2
1080181	Soil	0.53	8.8	0.2	<0.05	<0.1	6.99	25.6	<0.02	<1	0.3	4.3	<10	<2
1080182	Soil	0.30	6.5	0.1	<0.05	0.6	11.64	45.7	<0.02	2	0.2	2.6	<10	<2
1080183	Soil	0.38	8.9	0.2	<0.05	0.2	2.17	9.1	<0.02	<1	0.1	2.7	<10	<2
1080184	Soil	0.40	5.8	0.2	<0.05	0.4	1.42	6.3	<0.02	<1	<0.1	2.8	<10	<2

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: August 26, 2011

CERTIFICATE OF ANALYSIS VAN11003561.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1080185	Soil	1.40	36.25	4.34	83.4	1027	23.1	8.0	1515	1.32	1.7	0.4	1.6	0.1	95.8	1.04	0.34	0.07	27	1.55	0.090
1080186	Soil	1.40	25.26	5.43	143.7	487	19.8	7.1	3635	1.08	1.3	0.3	1.4	0.1	99.4	1.53	0.30	0.06	24	1.72	0.080
1080187	Soil	1.62	19.04	6.99	106.8	351	11.5	4.2	2231	0.88	0.6	0.3	1.5	0.1	50.6	1.04	0.19	0.08	21	0.89	0.068
1080188	Soil	1.91	8.48	5.37	55.0	344	6.2	2.0	502	0.39	0.2	0.1	0.3	<0.1	52.3	0.98	0.17	0.05	9	0.78	0.079
1080189	Soil	1.63	13.03	7.23	144.0	597	8.5	3.5	4861	0.50	<0.1	0.1	0.3	<0.1	58.8	1.11	0.20	0.06	9	1.31	0.079
1080190	Soil	1.12	36.35	4.00	43.6	716	18.9	7.0	607	1.16	1.4	0.6	0.7	<0.1	91.4	0.74	0.36	0.06	20	1.13	0.076
1080191	Soil	1.59	11.62	6.46	166.7	471	8.8	3.4	3967	0.61	0.3	0.1	1.2	<0.1	62.5	1.45	0.17	0.06	13	1.25	0.079
1080192	Soil	1.53	15.12	5.50	88.8	174	11.2	4.6	1197	0.92	0.3	0.2	81.8	0.1	63.0	1.35	0.21	0.07	24	1.03	0.062
1080193	Soil	1.42	9.32	6.31	94.9	414	7.7	4.0	2308	0.62	0.2	0.1	<0.2	<0.1	55.0	1.01	0.18	0.06	15	1.01	0.072
1080194	Soil	1.73	8.53	7.35	90.1	215	6.6	3.1	2013	0.65	<0.1	<0.1	1.9	<0.1	36.5	0.66	0.24	0.06	18	0.79	0.081
1080195	Soil	1.20	11.12	5.91	97.2	284	8.1	3.2	2119	0.53	0.2	<0.1	0.7	<0.1	58.3	0.68	0.16	0.05	14	1.10	0.082
1080196	Soil	1.72	19.44	8.98	102.4	267	14.7	38.7	7091	1.32	1.8	0.2	0.7	<0.1	71.1	1.32	0.29	0.06	20	1.09	0.121
1080197	Soil	1.09	23.76	3.91	43.5	177	14.9	4.0	135	0.84	2.0	0.6	2.5	<0.1	55.8	0.29	0.33	0.06	16	0.76	0.111
1080198	Soil	1.76	12.64	3.32	69.3	22	5.0	3.6	364	0.34	0.4	0.2	0.5	<0.1	92.6	0.34	0.21	0.03	6	1.45	0.088
1080199	Soil	1.55	7.64	6.39	78.2	476	3.9	1.2	519	0.23	<0.1	<0.1	<0.2	<0.1	19.8	0.50	0.13	0.04	6	0.38	0.089
1080200	Soil	2.01	9.79	7.60	114.9	224	5.9	2.8	2129	0.32	<0.1	<0.1	<0.2	<0.1	43.3	0.71	0.14	0.05	7	0.69	0.096
1080351	Soil	1.12	31.76	5.79	109.0	313	19.8	8.5	1841	1.70	4.2	0.3	3.9	0.3	54.8	0.58	0.40	0.06	45	1.01	0.068
1080352	Soil	0.96	14.48	6.20	146.7	180	10.6	4.3	3744	0.98	1.6	0.1	1.4	<0.1	47.7	1.01	0.25	0.06	26	1.26	0.059
1080353	Soil	1.00	15.31	6.05	67.6	457	6.7	2.5	1170	0.58	0.9	0.1	0.5	<0.1	41.3	0.59	0.19	0.05	15	0.63	0.059
1080354	Soil	0.97	9.34	4.71	76.8	465	4.7	2.2	1529	0.38	0.3	<0.1	0.4	<0.1	37.7	0.64	0.13	0.04	10	0.82	0.065
1080355	Soil	1.11	53.58	5.32	100.6	1380	27.1	21.7	2584	1.46	2.8	0.9	0.5	<0.1	100.1	1.09	0.31	0.08	30	1.36	0.120
1080356	Soil	1.24	16.22	7.01	87.7	730	8.3	4.2	1499	0.66	3.4	0.2	0.7	<0.1	60.1	1.06	0.21	0.06	17	0.75	0.074
1080357	Soil	1.00	14.78	6.51	104.0	419	6.3	3.8	2203	0.47	1.7	0.1	0.8	<0.1	35.3	0.83	0.17	0.05	13	0.70	0.086
1080358	Soil	1.02	8.67	4.28	115.6	325	4.0	1.1	2214	0.18	1.3	<0.1	<0.2	0.1	27.5	1.01	0.10	0.02	2	0.70	0.104
1080359	Soil	0.80	10.46	5.76	201.5	460	4.7	1.6	6549	0.12	0.3	<0.1	1.2	<0.1	50.7	1.24	0.12	0.04	2	1.30	0.122
1080360	Soil	1.06	12.60	5.29	96.3	465	4.7	2.0	1778	0.24	0.4	<0.1	1.0	<0.1	31.1	1.44	0.11	0.04	6	0.68	0.130
1080361	Soil	1.32	26.06	5.91	69.6	1098	14.2	6.1	2268	0.94	0.7	0.5	1.8	<0.1	54.8	0.51	0.49	0.06	11	0.61	0.189
1080362	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080363	Soil	1.34	6.32	4.60	47.4	405	2.2	1.2	291	0.18	0.3	<0.1	0.7	<0.1	18.2	0.62	0.14	0.04	5	0.35	0.118
1080364	Soil	1.11	7.22	6.91	123.1	759	3.8	2.0	4735	0.19	0.3	<0.1	0.9	<0.1	43.5	0.61	0.13	0.08	5	0.91	0.144

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Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

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		Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
1080185	Soil		11.5	18.7	0.35	367.0	0.017	4	0.88	0.009	0.08	0.1	2.0	0.10	0.12	290	0.4	0.03	2.3	0.46	<0.1	0.02
1080186	Soil		11.6	17.1	0.30	481.1	0.021	5	0.75	0.008	0.10	<0.1	1.6	0.10	0.09	308	0.3	<0.02	2.2	0.45	<0.1	<0.02
1080187	Soil		3.8	14.3	0.18	289.8	0.020	3	0.67	0.006	0.10	<0.1	1.6	0.07	0.07	310	0.3	<0.02	2.3	0.37	<0.1	<0.02
1080188	Soil		2.5	7.0	0.12	195.9	0.013	4	0.34	0.008	0.06	<0.1	0.8	0.04	0.10	243	0.3	<0.02	1.0	0.29	<0.1	<0.02
1080189	Soil		4.0	8.0	0.14	351.4	0.012	3	0.43	0.008	0.09	<0.1	0.7	0.11	0.09	421	0.3	0.03	1.3	0.30	<0.1	<0.02
1080190	Soil		24.6	16.8	0.26	259.3	0.013	2	1.19	0.008	0.06	0.1	2.1	0.05	0.07	163	0.1	0.03	2.6	0.34	<0.1	<0.02
1080191	Soil		2.4	10.4	0.16	352.1	0.016	4	0.53	0.007	0.10	<0.1	0.7	0.08	0.08	276	0.3	<0.02	1.6	0.30	<0.1	<0.02
1080192	Soil		7.0	14.8	0.22	243.6	0.029	3	0.68	0.008	0.07	0.1	1.3	0.05	0.07	198	0.2	<0.02	2.3	0.35	<0.1	<0.02
1080193	Soil		2.8	9.9	0.15	331.8	0.021	3	0.45	0.005	0.09	<0.1	0.9	0.09	0.09	305	0.2	<0.02	1.6	0.33	<0.1	<0.02
1080194	Soil		2.4	10.8	0.15	193.5	0.024	3	0.48	0.007	0.09	<0.1	0.7	0.08	0.08	251	0.2	<0.02	1.8	0.34	<0.1	<0.02
1080195	Soil		2.4	8.4	0.14	259.3	0.017	3	0.43	0.011	0.09	<0.1	0.7	0.06	0.09	348	0.3	<0.02	1.3	0.25	<0.1	<0.02
1080196	Soil		8.0	13.2	0.26	339.0	0.015	4	0.73	0.006	0.12	<0.1	0.9	0.12	0.09	306	0.2	<0.02	2.0	0.39	<0.1	<0.02
1080197	Soil		6.7	20.9	0.21	121.0	0.009	2	1.29	0.006	0.08	<0.1	1.6	0.11	0.09	211	0.4	<0.02	4.0	0.40	<0.1	<0.02
1080198	Soil		2.5	5.0	0.32	70.8	0.005	4	0.19	0.010	0.06	<0.1	0.9	0.06	0.11	249	0.4	<0.02	0.4	0.17	<0.1	<0.02
1080199	Soil		1.1	4.4	0.07	99.3	0.010	2	0.28	0.008	0.10	<0.1	0.6	0.04	0.09	218	0.3	<0.02	0.7	0.18	<0.1	<0.02
1080200	Soil		2.3	6.6	0.11	250.3	0.014	3	0.33	0.007	0.10	<0.1	0.8	0.07	0.09	220	0.4	<0.02	1.0	0.34	<0.1	<0.02
1080351	Soil		8.7	24.3	0.48	248.1	0.052	4	1.10	0.012	0.08	0.1	2.5	0.07	0.05	162	0.2	<0.02	3.4	0.42	<0.1	0.02
1080352	Soil		3.0	14.1	0.22	284.1	0.033	5	0.63	0.007	0.09	<0.1	1.1	0.07	0.06	313	0.3	<0.02	2.4	0.36	<0.1	<0.02
1080353	Soil		2.9	8.5	0.13	168.4	0.014	4	0.47	0.006	0.06	<0.1	0.4	0.04	0.07	270	0.3	<0.02	1.4	0.23	<0.1	<0.02
1080354	Soil		1.6	6.7	0.11	130.1	0.015	3	0.36	0.006	0.07	<0.1	0.6	0.07	0.08	246	0.2	<0.02	1.1	0.27	<0.1	<0.02
1080355	Soil		19.4	28.3	0.37	412.7	0.009	2	2.10	0.005	0.09	<0.1	1.1	0.10	0.08	220	0.5	<0.02	4.8	0.71	<0.1	<0.02
1080356	Soil		8.1	13.0	0.17	233.7	0.024	3	0.67	0.006	0.07	0.1	1.0	0.06	0.07	215	0.2	<0.02	2.2	0.42	<0.1	<0.02
1080357	Soil		3.4	9.3	0.13	143.9	0.019	8	0.45	0.007	0.08	0.1	0.7	0.09	0.07	309	0.3	<0.02	1.6	0.33	<0.1	<0.02
1080358	Soil		0.8	4.5	0.08	106.1	0.006	5	0.27	0.004	0.10	<0.1	0.4	0.04	0.12	380	0.4	<0.02	0.4	0.23	<0.1	<0.02
1080359	Soil		0.5	2.3	0.11	251.8	0.003	9	0.23	0.004	0.13	<0.1	0.3	0.08	0.13	543	0.3	<0.02	0.4	0.19	<0.1	<0.02
1080360	Soil		1.5	4.6	0.12	123.0	0.007	11	0.27	0.005	0.12	<0.1	0.5	0.06	0.12	300	0.2	<0.02	0.6	0.18	<0.1	<0.02
1080361	Soil		15.7	10.4	0.17	281.6	0.014	4	1.30	0.006	0.08	<0.1	1.4	0.07	0.11	357	0.2	<0.02	1.8	0.32	<0.1	<0.02
1080362	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080363	Soil		0.7	3.7	0.08	66.2	0.008	3	0.21	0.005	0.13	<0.1	0.5	0.05	0.11	339	0.3	<0.02	0.6	0.14	<0.1	<0.02
1080364	Soil		0.9	3.8	0.09	244.6	0.009	6	0.18	0.006	0.17	<0.1	0.5	0.09	0.12	380	<0.1	<0.02	0.6	0.21	<0.1	<0.02

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	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1080185	Soil	0.42	4.8	0.1	<0.05	0.9	13.94	15.2	<0.02	<1	0.2	3.6	<10	<2
1080186	Soil	0.41	6.2	0.1	<0.05	0.4	11.06	15.2	<0.02	<1	0.2	3.4	<10	<2
1080187	Soil	0.44	5.2	0.2	<0.05	0.5	2.75	7.7	<0.02	<1	0.2	2.6	<10	<2
1080188	Soil	0.22	3.2	0.1	<0.05	0.4	1.65	5.5	<0.02	<1	<0.1	1.0	<10	<2
1080189	Soil	0.22	3.0	0.1	<0.05	0.2	2.80	8.9	<0.02	<1	<0.1	1.5	<10	<2
1080190	Soil	0.43	3.7	0.2	<0.05	0.7	21.03	49.1	<0.02	<1	0.5	2.7	<10	<2
1080191	Soil	0.26	4.4	0.2	<0.05	0.1	1.26	5.0	<0.02	<1	<0.1	1.9	<10	<2
1080192	Soil	0.53	5.0	0.2	<0.05	0.6	5.14	14.7	<0.02	1	0.2	2.9	<10	<2
1080193	Soil	0.36	4.6	0.2	<0.05	0.4	1.54	6.8	<0.02	<1	<0.1	1.8	<10	<2
1080194	Soil	0.34	6.4	0.2	<0.05	<0.1	1.14	5.4	<0.02	<1	<0.1	2.1	<10	<2
1080195	Soil	0.28	4.4	0.1	<0.05	0.3	1.53	6.1	<0.02	<1	<0.1	1.7	<10	<2
1080196	Soil	0.29	4.8	0.2	<0.05	<0.1	7.05	22.2	<0.02	<1	0.2	3.1	<10	<2
1080197	Soil	0.30	3.4	0.2	<0.05	0.2	8.09	14.4	0.02	<1	0.3	3.2	<10	<2
1080198	Soil	0.08	1.6	<0.1	<0.05	0.6	3.79	5.2	<0.02	2	<0.1	0.4	<10	<2
1080199	Soil	0.12	2.6	0.1	<0.05	0.2	0.62	2.5	<0.02	<1	<0.1	0.5	<10	<2
1080200	Soil	0.18	4.6	0.2	<0.05	0.2	1.28	5.5	<0.02	<1	<0.1	0.8	<10	<2
1080351	Soil	0.66	6.9	0.2	<0.05	0.9	6.97	20.1	<0.02	2	0.3	6.4	<10	<2
1080352	Soil	0.49	6.7	0.2	<0.05	0.6	2.05	6.9	<0.02	<1	0.1	2.8	<10	<2
1080353	Soil	0.26	3.3	0.1	<0.05	0.2	1.96	6.4	<0.02	<1	0.1	1.1	<10	<2
1080354	Soil	0.21	4.1	0.1	<0.05	0.1	0.97	3.7	<0.02	<1	<0.1	1.0	<10	<2
1080355	Soil	0.52	6.1	0.2	<0.05	<0.1	14.57	46.9	0.02	<1	0.9	6.7	<10	<2
1080356	Soil	0.36	5.3	0.2	<0.05	<0.1	5.86	17.1	<0.02	<1	0.3	2.0	<10	<2
1080357	Soil	0.23	7.0	0.2	<0.05	<0.1	1.95	7.9	<0.02	<1	<0.1	1.3	<10	<2
1080358	Soil	0.07	2.5	<0.1	<0.05	0.3	0.63	2.0	<0.02	<1	<0.1	0.4	<10	<2
1080359	Soil	0.04	3.5	<0.1	<0.05	0.1	0.35	1.1	<0.02	<1	<0.1	0.3	<10	<2
1080360	Soil	0.11	2.2	0.2	<0.05	0.1	0.90	2.9	<0.02	<1	<0.1	0.6	<10	<2
1080361	Soil	0.21	3.5	0.2	<0.05	<0.1	10.12	37.7	<0.02	<1	0.5	2.0	<10	<2
1080362	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080363	Soil	0.11	2.3	0.1	<0.05	0.3	0.34	1.5	<0.02	<1	<0.1	0.4	<10	<2
1080364	Soil	0.10	5.2	0.2	<0.05	0.1	0.40	2.0	<0.02	<1	<0.1	0.4	<10	<2

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: August 26, 2011

CERTIFICATE OF ANALYSIS VAN11003561.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1080365	Soil	1.25	8.63	7.43	142.5	1551	5.4	3.1	4113	0.23	0.5	<0.1	1.4	0.1	74.9	0.85	0.17	0.07	5	1.40	0.126
1080366	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080367	Soil	1.18	15.05	4.21	64.9	406	7.1	2.9	339	0.37	0.3	0.2	0.6	0.1	54.9	0.41	0.23	0.05	7	0.66	0.111
1080368	Soil	0.92	9.74	4.83	171.8	360	5.6	1.4	2515	0.22	0.2	0.2	0.4	<0.1	73.9	0.54	0.20	0.03	4	1.57	0.127
1080369	Soil	1.28	18.88	4.49	52.9	569	9.9	4.3	1721	0.59	0.3	0.7	0.8	0.1	68.7	0.82	0.42	0.04	8	0.85	0.152
1080370	Soil	1.11	26.44	6.30	46.4	823	12.1	7.2	618	0.99	1.2	0.5	1.3	<0.1	57.6	0.86	0.31	0.06	19	0.69	0.117
1080371	Soil	2.11	22.01	9.43	71.2	266	12.4	7.6	3024	1.01	1.4	0.4	1.4	<0.1	85.1	0.73	0.34	0.07	25	1.24	0.088
1080372	Soil	2.19	12.90	7.37	54.5	358	7.5	15.1	2668	0.88	1.2	0.3	1.8	<0.1	67.5	0.70	0.19	0.07	26	0.99	0.085
1080373	Soil	1.31	28.94	4.33	78.0	456	13.1	7.6	1190	0.79	1.1	0.8	1.1	<0.1	98.1	0.73	0.34	0.05	17	1.49	0.104
1080374	Soil	2.07	23.12	7.75	84.1	373	11.7	9.4	2308	0.85	0.8	0.5	0.7	<0.1	82.5	0.73	0.36	0.06	19	1.21	0.107
1080375	Soil	1.28	20.64	6.77	110.1	496	9.0	6.5	4234	0.67	0.7	0.3	12.7	<0.1	72.3	0.75	0.25	0.05	16	1.18	0.073
1080376	Soil	1.32	14.21	7.05	119.1	664	7.4	6.2	1674	0.58	0.8	0.1	0.3	<0.1	57.5	0.57	0.17	0.05	15	0.88	0.097
1080377	Soil	1.56	31.66	5.48	147.3	474	16.2	6.2	2364	0.67	0.8	0.8	0.8	<0.1	122.8	1.34	0.37	0.06	15	1.89	0.093
1080378	Soil	2.15	34.31	5.26	96.6	562	23.1	22.6	2535	1.60	2.0	0.7	1.6	<0.1	73.8	1.02	0.29	0.09	43	1.03	0.118
1080379	Soil	1.37	13.50	4.73	140.7	791	8.6	3.5	4124	0.42	0.6	<0.1	0.8	<0.1	103.2	1.21	0.12	0.04	11	1.69	0.074
1080380	Soil	1.71	11.11	5.76	79.3	283	8.5	3.1	1000	0.79	0.9	0.1	0.7	<0.1	36.5	0.41	0.18	0.06	23	0.53	0.082
1080381	Soil	1.28	10.18	6.29	117.5	239	7.2	3.0	2409	0.74	1.0	<0.1	2.2	<0.1	48.4	1.26	0.16	0.06	20	0.70	0.080
1080382	Soil	1.81	12.05	6.20	83.1	476	6.3	2.4	2247	0.47	0.7	<0.1	1.5	<0.1	71.6	0.90	0.14	0.05	12	0.94	0.096
1080383	Soil	2.51	9.48	7.06	97.1	450	5.4	1.9	849	0.47	0.8	<0.1	0.7	<0.1	47.2	0.80	0.16	0.05	13	0.70	0.103
1080384	Soil	1.22	18.23	7.33	68.5	629	9.1	6.8	936	1.06	1.1	0.2	1.7	<0.1	42.6	0.97	0.19	0.07	25	0.46	0.084
1080385	Soil	1.33	15.21	8.07	70.7	604	11.0	9.0	2277	1.20	1.6	0.2	0.8	<0.1	52.4	0.95	0.22	0.07	30	0.61	0.085
1080386	Soil	1.34	20.88	7.55	82.9	609	13.6	8.6	1881	1.05	1.3	0.2	0.8	<0.1	52.6	0.80	0.31	0.06	23	0.69	0.103
1080387	Soil	1.76	13.05	7.90	138.4	392	9.0	4.5	3359	0.70	0.8	0.1	3.0	<0.1	75.7	1.72	0.20	0.07	18	1.13	0.085
1080388	Soil	1.72	11.87	7.68	116.3	326	9.3	4.6	1097	1.01	1.2	0.1	1.3	<0.1	51.1	0.94	0.23	0.07	23	0.69	0.085
1080389	Soil	1.28	21.21	8.97	79.1	329	28.3	6.0	1009	1.28	2.6	0.2	1.6	<0.1	43.2	0.73	0.33	0.05	32	0.76	0.089
1080390	Soil	1.84	10.80	9.99	119.7	317	10.6	4.7	5123	0.66	0.9	0.1	1.1	<0.1	41.1	1.43	0.22	0.07	17	0.59	0.087
1080391	Soil	1.18	7.56	8.07	120.1	328	5.2	1.9	3328	0.23	0.6	<0.1	1.1	<0.1	32.8	1.12	0.18	0.05	5	0.89	0.128
1080392	Soil	0.97	9.10	5.02	166.9	649	7.7	3.7	6894	0.43	0.5	<0.1	1.1	<0.1	57.0	1.54	0.16	0.04	11	1.08	0.085
1080393	Soil	1.23	16.47	6.21	156.8	506	11.4	2.5	3488	0.48	1.2	0.1	1.5	<0.1	81.5	1.50	0.28	0.05	11	1.33	0.123
1080394	Soil	1.42	10.27	5.78	92.5	627	6.7	2.6	2853	0.41	1.0	<0.1	1.4	0.1	40.4	0.75	0.19	0.04	11	1.13	0.093

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
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Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

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	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
1080365	Soil	1.0	3.8	0.13	399.6	0.009	7	0.21	0.007	0.17	<0.1	0.6	0.18	0.13	507	0.3	<0.02	0.6	0.35	<0.1	<0.02
1080366	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080367	Soil	6.3	5.6	0.13	173.1	0.011	4	0.43	0.006	0.10	<0.1	1.4	0.05	0.10	264	0.2	0.03	0.8	0.26	<0.1	<0.02
1080368	Soil	3.1	3.6	0.12	409.6	0.006	9	0.26	0.004	0.12	<0.1	0.7	0.09	0.13	369	0.2	<0.02	0.4	0.32	<0.1	<0.02
1080369	Soil	10.9	6.4	0.17	197.8	0.011	3	0.68	0.006	0.12	<0.1	1.8	0.08	0.12	272	0.1	<0.02	1.0	0.34	<0.1	<0.02
1080370	Soil	9.4	13.6	0.24	192.2	0.020	3	0.85	0.008	0.09	<0.1	1.4	0.06	0.08	217	<0.1	<0.02	2.1	0.38	<0.1	<0.02
1080371	Soil	7.0	12.3	0.28	280.1	0.015	3	0.82	0.008	0.07	<0.1	1.0	0.08	0.09	337	0.2	<0.02	2.1	0.26	<0.1	<0.02
1080372	Soil	4.2	10.7	0.23	181.8	0.019	3	0.56	0.008	0.07	<0.1	1.0	0.08	0.08	229	0.3	0.04	2.2	0.30	<0.1	<0.02
1080373	Soil	12.9	11.4	0.23	317.3	0.013	4	0.83	0.011	0.06	<0.1	1.5	0.05	0.11	292	0.5	0.02	1.8	0.24	<0.1	<0.02
1080374	Soil	11.5	11.1	0.23	287.7	0.017	3	0.84	0.008	0.09	<0.1	1.1	0.07	0.09	324	0.2	0.04	2.0	0.35	<0.1	<0.02
1080375	Soil	7.0	8.4	0.18	367.7	0.011	3	0.64	0.007	0.06	<0.1	0.7	0.07	0.08	390	0.2	<0.02	1.6	0.24	<0.1	<0.02
1080376	Soil	3.8	8.4	0.16	235.7	0.015	3	0.49	0.006	0.09	<0.1	0.6	0.07	0.09	229	0.2	<0.02	1.4	0.22	<0.1	<0.02
1080377	Soil	11.3	11.6	0.25	452.8	0.008	5	0.77	0.007	0.05	<0.1	0.9	0.12	0.14	425	0.5	<0.02	1.5	0.37	<0.1	<0.02
1080378	Soil	9.0	26.1	0.39	273.8	0.020	3	1.37	0.011	0.07	0.1	1.5	0.08	0.09	189	0.4	<0.02	4.2	0.63	<0.1	<0.02
1080379	Soil	2.0	7.3	0.11	563.9	0.009	6	0.42	0.008	0.07	<0.1	0.3	0.11	0.09	408	0.2	<0.02	1.2	0.21	<0.1	<0.02
1080380	Soil	3.1	12.3	0.18	165.4	0.023	2	0.57	0.007	0.07	0.1	0.7	0.05	0.06	152	0.2	<0.02	2.4	0.28	<0.1	<0.02
1080381	Soil	2.2	11.1	0.13	288.0	0.014	3	0.48	0.005	0.07	<0.1	0.3	0.06	0.07	190	0.3	<0.02	1.6	0.16	<0.1	<0.02
1080382	Soil	1.7	7.5	0.13	328.8	0.012	6	0.36	0.006	0.09	<0.1	0.4	0.05	0.10	248	0.2	<0.02	1.2	0.20	<0.1	<0.02
1080383	Soil	1.6	7.1	0.13	170.3	0.013	4	0.34	0.008	0.10	<0.1	0.4	0.04	0.11	234	0.2	<0.02	1.2	0.18	<0.1	<0.02
1080384	Soil	6.1	13.9	0.18	240.0	0.021	3	0.79	0.007	0.06	<0.1	0.8	0.05	0.05	129	0.1	<0.02	2.8	0.26	<0.1	<0.02
1080385	Soil	7.1	17.4	0.24	319.0	0.026	2	0.85	0.007	0.06	<0.1	1.1	0.06	0.05	147	0.2	<0.02	3.2	0.28	<0.1	<0.02
1080386	Soil	9.1	14.0	0.22	266.2	0.015	3	0.97	0.007	0.08	<0.1	0.8	0.06	0.08	218	0.2	<0.02	2.5	0.27	<0.1	<0.02
1080387	Soil	3.4	10.7	0.19	345.7	0.020	3	0.49	0.006	0.09	<0.1	0.8	0.07	0.10	264	0.2	<0.02	2.0	0.21	<0.1	<0.02
1080388	Soil	3.1	14.3	0.21	223.4	0.024	3	0.57	0.006	0.08	<0.1	0.8	0.04	0.08	182	0.3	<0.02	2.3	0.38	<0.1	<0.02
1080389	Soil	3.4	21.4	0.42	162.9	0.029	4	0.65	0.010	0.11	0.1	1.3	0.06	0.08	191	0.2	<0.02	2.2	0.63	<0.1	<0.02
1080390	Soil	3.0	12.7	0.15	359.8	0.015	3	0.47	0.007	0.08	<0.1	0.6	0.07	0.07	307	0.3	<0.02	1.6	0.32	<0.1	<0.02
1080391	Soil	1.1	4.2	0.10	176.0	0.009	6	0.30	0.006	0.15	<0.1	0.6	0.09	0.10	421	0.4	0.02	0.7	0.25	<0.1	<0.02
1080392	Soil	1.5	7.5	0.12	354.9	0.014	5	0.31	0.006	0.12	<0.1	0.6	0.06	0.09	423	0.5	<0.02	1.0	0.44	<0.1	<0.02
1080393	Soil	5.3	8.3	0.20	242.3	0.011	6	0.54	0.005	0.11	<0.1	0.9	0.08	0.12	350	0.4	<0.02	1.2	0.36	<0.1	<0.02
1080394	Soil	1.4	7.6	0.15	223.3	0.013	6	0.31	0.005	0.11	<0.1	0.7	0.10	0.10	400	0.5	0.03	1.0	0.31	<0.1	<0.02

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Method		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1080365	Soil	0.13	6.1	0.1	<0.05	0.3	0.49	2.0	<0.02	<1	<0.1	0.6	<10	<2
1080366	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080367	Soil	0.15	2.9	0.1	<0.05	0.4	4.93	13.4	<0.02	<1	0.2	1.0	<10	<2
1080368	Soil	0.07	3.5	<0.1	<0.05	0.2	2.36	7.4	<0.02	<1	<0.1	0.7	<10	<2
1080369	Soil	0.16	4.1	0.1	<0.05	0.2	8.57	26.1	<0.02	<1	0.3	1.1	<10	<2
1080370	Soil	0.37	4.6	0.2	<0.05	0.2	6.91	19.8	<0.02	<1	0.5	2.9	<10	<2
1080371	Soil	0.34	2.8	0.2	<0.05	0.2	6.15	18.1	<0.02	<1	0.3	3.2	<10	<2
1080372	Soil	0.36	4.5	0.2	<0.05	0.2	3.75	10.5	<0.02	<1	0.1	2.5	<10	<2
1080373	Soil	0.23	2.7	0.1	<0.05	0.3	9.91	26.7	<0.02	<1	0.3	2.3	<10	<2
1080374	Soil	0.36	4.5	0.2	<0.05	<0.1	7.76	26.1	<0.02	<1	0.3	2.9	<10	<2
1080375	Soil	0.28	3.2	0.2	<0.05	0.1	5.46	15.7	<0.02	<1	0.2	2.1	<10	<2
1080376	Soil	0.27	4.0	0.1	<0.05	0.2	2.51	8.6	<0.02	<1	0.1	1.6	<10	<2
1080377	Soil	0.24	2.7	0.1	<0.05	0.3	9.13	26.9	<0.02	<1	0.3	1.9	<10	<2
1080378	Soil	0.46	5.9	0.4	<0.05	0.1	7.05	22.5	<0.02	<1	0.4	6.4	<10	<2
1080379	Soil	0.22	3.0	0.1	<0.05	<0.1	1.26	4.2	<0.02	<1	0.1	1.3	<10	<2
1080380	Soil	0.47	3.9	0.2	<0.05	0.3	1.28	6.4	<0.02	<1	<0.1	3.3	<10	<2
1080381	Soil	0.27	2.3	0.2	<0.05	<0.1	1.12	4.4	<0.02	<1	0.1	1.8	<10	<2
1080382	Soil	0.21	2.9	0.1	<0.05	0.1	0.87	3.0	<0.02	<1	<0.1	1.2	<10	<2
1080383	Soil	0.28	2.8	0.2	<0.05	0.2	0.74	3.0	<0.02	<1	<0.1	1.2	<10	<2
1080384	Soil	0.52	4.4	0.2	<0.05	0.3	3.95	13.4	<0.02	<1	0.3	2.8	<10	<2
1080385	Soil	0.46	4.6	0.3	<0.05	0.3	4.57	15.6	<0.02	<1	0.3	3.5	<10	<2
1080386	Soil	0.40	4.1	0.2	<0.05	0.1	6.68	22.5	<0.02	<1	0.3	3.2	<10	<2
1080387	Soil	0.43	3.7	0.1	<0.05	0.3	2.34	7.6	<0.02	<1	0.1	2.5	<10	<2
1080388	Soil	0.56	4.5	0.2	<0.05	0.5	1.33	6.2	<0.02	<1	0.1	2.7	<10	<2
1080389	Soil	0.44	6.9	0.2	<0.05	0.7	2.82	7.7	<0.02	<1	0.2	3.6	<10	<2
1080390	Soil	0.24	3.5	0.2	<0.05	<0.1	1.82	6.3	<0.02	<1	0.1	1.7	<10	<2
1080391	Soil	0.10	4.7	0.2	<0.05	0.1	0.55	2.4	<0.02	<1	<0.1	0.4	<10	<2
1080392	Soil	0.16	5.8	0.1	<0.05	<0.1	0.88	3.1	<0.02	<1	<0.1	0.9	<10	<2
1080393	Soil	0.19	3.9	0.1	<0.05	0.1	5.02	10.5	<0.02	<1	0.2	1.3	<10	<2
1080394	Soil	0.17	3.7	0.1	<0.05	0.2	0.76	2.9	<0.02	<1	<0.1	1.2	<10	<2

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: August 26, 2011

CERTIFICATE OF ANALYSIS VAN11003561.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1080395	Soil	2.72	17.13	5.24	70.4	666	10.6	3.2	1593	0.58	2.5	1.0	5.3	0.1	107.6	0.79	0.28	0.21	9	1.42	0.114
1080396	Soil	1.05	28.99	4.23	65.0	105	19.6	9.2	859	1.87	5.5	0.8	4.0	0.4	68.2	0.35	0.30	0.09	47	1.19	0.100
1080397	Soil	1.08	17.30	4.79	70.7	140	10.1	4.5	912	0.82	2.1	0.3	2.0	<0.1	76.1	0.72	0.18	0.09	21	1.35	0.103
1080398	Soil	1.14	17.07	3.16	101.6	139	7.0	2.7	733	0.26	1.1	0.2	0.9	<0.1	158.7	0.83	0.13	0.07	6	3.40	0.123
1080399	Soil	0.71	32.70	4.11	34.7	314	13.2	5.9	679	0.57	1.4	0.4	1.1	0.1	122.8	1.03	0.45	0.10	9	1.69	0.124
1080400	Soil	1.22	12.27	5.22	221.7	326	12.3	3.2	6056	0.52	1.5	<0.1	1.4	<0.1	77.1	1.45	0.18	0.05	9	1.83	0.087
1080401	Soil	2.32	11.79	5.09	80.8	462	6.2	2.6	1400	0.50	1.0	0.1	2.0	<0.1	43.4	1.00	0.17	0.07	12	0.98	0.106
1080402	Soil	1.32	10.44	4.70	56.0	167	6.4	4.0	537	0.52	0.9	<0.1	0.9	<0.1	42.2	0.74	0.15	0.07	15	0.55	0.074
1080404	Soil	1.80	10.67	3.18	60.1	114	4.9	2.5	345	0.24	0.8	0.2	0.3	<0.1	90.5	0.71	0.19	0.06	6	1.38	0.110
1080406	Soil	1.96	12.52	6.29	50.2	240	5.6	2.9	441	0.36	1.2	0.1	0.8	<0.1	45.7	0.87	0.26	0.07	8	0.64	0.103
1080408	Soil	1.78	8.51	4.48	172.6	320	3.8	2.2	1514	0.27	0.9	<0.1	0.3	<0.1	89.0	1.24	0.11	0.05	7	1.32	0.138
1080410	Soil	1.58	8.83	4.81	61.4	455	4.7	2.4	589	0.30	0.6	<0.1	<0.2	<0.1	32.7	1.20	0.15	0.31	8	0.46	0.110
1080412	Soil	1.29	11.21	4.85	90.6	189	10.5	4.7	2545	0.67	1.4	0.1	2.9	<0.1	63.5	0.67	0.16	0.08	17	1.01	0.120
1080414	Soil	1.71	12.75	3.86	86.1	228	8.1	2.4	473	0.37	1.0	0.2	0.5	0.1	66.7	1.29	0.16	0.07	8	1.18	0.105
1080417	Soil	1.68	5.93	5.59	55.3	626	3.3	0.9	716	0.10	0.7	<0.1	0.3	<0.1	18.2	0.88	0.16	0.06	<2	0.48	0.118
1080419	Soil	2.09	13.87	4.80	175.9	328	10.8	4.2	3674	0.43	1.3	0.2	0.9	<0.1	81.0	0.85	0.18	0.06	6	1.74	0.114
1080421	Soil	1.45	9.94	2.73	139.0	84	4.5	0.8	217	0.11	0.7	0.1	0.6	<0.1	151.5	0.74	0.12	0.03	3	2.36	0.108
1080423	Soil	2.53	15.64	4.08	147.9	267	8.1	2.6	583	0.51	1.1	0.3	1.1	<0.1	100.6	1.44	0.15	0.05	10	1.83	0.126
1080425	Soil	1.63	23.93	7.06	47.4	329	12.7	7.1	1787	0.88	1.6	0.3	1.9	<0.1	61.4	0.76	0.30	0.07	20	0.85	0.121
1080426	Soil	2.75	10.54	5.82	37.5	305	4.7	2.4	150	0.25	1.1	0.2	<0.2	<0.1	54.0	0.82	0.15	0.06	6	0.65	0.110
1080427	Soil	2.03	12.78	3.89	33.4	56	6.3	2.1	1140	0.20	0.8	0.2	<0.2	<0.1	119.0	0.59	0.19	0.04	6	1.74	0.114
1080428	Soil	1.39	9.28	5.08	49.7	403	3.6	1.9	325	0.24	1.1	<0.1	0.3	<0.1	39.8	0.57	0.13	0.05	6	0.52	0.102
1080429	Soil	2.01	11.02	8.81	38.6	191	4.4	3.0	223	0.25	0.9	<0.1	<0.2	<0.1	41.2	0.54	0.20	0.07	6	0.47	0.122
1080430	Soil	1.85	9.81	3.94	22.2	96	3.8	3.4	467	0.29	1.2	0.2	<0.2	<0.1	87.4	0.46	0.21	0.05	11	1.53	0.114

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: August 26, 2011

CERTIFICATE OF ANALYSIS VAN11003561.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
1080395	Soil	1.6	9.0	0.16	278.5	0.010	7	0.41	0.007	0.12	<0.1	0.7	0.09	0.13	373	0.8	<0.02	1.0	0.34	<0.1	0.02
1080396	Soil	6.5	32.3	0.53	160.8	0.048	5	1.19	0.011	0.06	0.1	2.9	0.06	0.07	156	0.9	<0.02	3.4	0.55	<0.1	0.03
1080397	Soil	2.8	14.7	0.24	232.1	0.023	7	0.52	0.007	0.09	<0.1	1.0	0.06	0.13	295	0.8	<0.02	1.7	0.54	<0.1	<0.02
1080398	Soil	2.0	5.9	0.27	300.6	0.006	16	0.20	0.004	0.10	<0.1	0.4	0.04	0.19	408	1.0	<0.02	0.5	0.18	<0.1	0.03
1080399	Soil	15.8	8.8	0.26	213.8	0.008	6	0.80	0.005	0.07	<0.1	1.2	0.07	0.13	262	0.9	<0.02	1.1	0.20	<0.1	<0.02
1080400	Soil	1.7	9.1	0.20	343.5	0.010	10	0.43	0.009	0.14	<0.1	0.4	0.10	0.09	331	0.5	0.02	1.1	0.38	<0.1	<0.02
1080401	Soil	2.4	9.0	0.16	138.3	0.017	4	0.41	0.013	0.11	<0.1	0.7	0.05	0.09	224	0.4	<0.02	1.3	0.21	<0.1	<0.02
1080402	Soil	3.2	8.8	0.16	129.5	0.017	3	0.47	0.007	0.07	<0.1	0.4	0.03	0.07	133	0.4	<0.02	1.5	0.18	<0.1	<0.02
1080404	Soil	2.0	4.3	0.18	153.1	0.004	4	0.21	0.008	0.08	<0.1	0.4	0.04	0.11	266	0.4	0.02	0.4	0.20	<0.1	0.02
1080406	Soil	2.7	6.6	0.14	139.9	0.013	3	0.37	0.010	0.08	<0.1	0.6	0.05	0.08	295	0.6	<0.02	1.0	0.22	<0.1	<0.02
1080408	Soil	1.2	5.6	0.17	280.0	0.010	5	0.22	0.011	0.17	<0.1	0.3	0.06	0.11	239	0.4	<0.02	0.8	0.28	<0.1	<0.02
1080410	Soil	1.8	6.5	0.12	104.8	0.013	4	0.37	0.009	0.09	<0.1	0.2	<0.02	0.09	162	0.5	0.05	1.0	0.19	<0.1	<0.02
1080412	Soil	2.6	14.0	0.23	272.8	0.021	4	0.58	0.013	0.13	<0.1	0.6	0.08	0.08	169	0.3	<0.02	1.9	0.32	<0.1	<0.02
1080414	Soil	3.5	8.4	0.18	182.6	0.010	3	0.43	0.010	0.10	<0.1	0.6	0.05	0.11	218	0.6	<0.02	1.0	0.23	<0.1	<0.02
1080417	Soil	0.5	2.8	0.06	69.9	0.005	4	0.17	0.006	0.10	<0.1	0.2	0.06	0.11	336	0.6	<0.02	0.3	0.17	<0.1	0.02
1080419	Soil	3.0	8.7	0.16	341.5	0.010	5	0.46	0.005	0.10	<0.1	0.6	0.07	0.10	388	0.5	<0.02	1.1	0.26	<0.1	<0.02
1080421	Soil	1.6	3.5	0.17	431.8	0.003	8	0.12	0.006	0.11	<0.1	0.4	0.02	0.14	346	0.5	0.02	0.3	0.11	<0.1	<0.02
1080423	Soil	3.5	11.1	0.20	281.7	0.013	5	0.44	0.008	0.15	<0.1	0.9	0.03	0.11	216	0.5	<0.02	1.4	0.27	<0.1	<0.02
1080425	Soil	10.6	13.4	0.26	182.2	0.021	3	1.01	0.009	0.13	<0.1	0.7	0.07	0.08	142	0.5	0.06	2.7	0.39	<0.1	<0.02
1080426	Soil	2.5	5.8	0.16	86.4	0.010	4	0.28	0.010	0.10	<0.1	0.4	0.04	0.11	160	0.6	<0.02	0.9	0.18	<0.1	<0.02
1080427	Soil	4.2	3.7	0.26	132.6	0.004	3	0.24	0.010	0.07	<0.1	0.4	0.07	0.13	306	0.3	<0.02	0.4	0.14	<0.1	<0.02
1080428	Soil	1.7	4.8	0.08	139.8	0.012	4	0.27	0.010	0.09	<0.1	0.3	0.06	0.09	239	0.4	0.03	0.8	0.26	<0.1	<0.02
1080429	Soil	2.1	4.5	0.10	200.4	0.009	2	0.30	0.010	0.09	<0.1	0.3	0.04	0.10	252	0.4	<0.02	0.8	0.20	<0.1	<0.02
1080430	Soil	2.1	4.7	0.19	89.5	0.008	2	0.31	0.010	0.09	<0.1	0.4	0.04	0.10	160	0.4	<0.02	0.7	0.17	<0.1	<0.02

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: August 26, 2011

CERTIFICATE OF ANALYSIS VAN11003561.1

Method		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1080395	Soil	0.17	3.4	0.5	<0.05	0.7	1.75	3.5	0.03	4	<0.1	1.3	<10	<2
1080396	Soil	0.69	6.8	0.3	<0.05	1.2	6.25	12.9	<0.02	2	0.3	8.4	<10	<2
1080397	Soil	0.36	8.0	0.3	<0.05	0.7	2.42	5.6	<0.02	<1	<0.1	3.2	<10	<2
1080398	Soil	0.11	3.1	0.2	<0.05	0.7	2.36	3.2	<0.02	<1	<0.1	1.0	<10	<2
1080399	Soil	0.14	2.4	0.3	<0.05	0.4	15.15	24.5	<0.02	1	0.5	1.2	<10	<2
1080400	Soil	0.16	5.9	0.1	<0.05	0.1	1.30	3.5	<0.02	<1	0.1	1.6	<10	<2
1080401	Soil	0.26	3.9	0.2	<0.05	0.6	1.67	4.4	<0.02	<1	<0.1	1.5	<10	<2
1080402	Soil	0.33	4.1	0.3	<0.05	0.4	2.00	6.4	<0.02	<1	0.1	1.6	<10	<2
1080404	Soil	0.06	4.3	0.2	<0.05	0.6	2.19	3.8	<0.02	<1	0.2	0.2	<10	<2
1080406	Soil	0.17	3.2	0.2	<0.05	0.4	1.88	5.6	<0.02	<1	<0.1	0.9	<10	<2
1080408	Soil	0.17	7.5	0.2	<0.05	0.2	0.69	2.3	<0.02	<1	<0.1	0.7	<10	<2
1080410	Soil	0.21	3.5	0.4	<0.05	<0.1	0.89	3.4	<0.02	<1	<0.1	1.0	<10	<2
1080412	Soil	0.37	6.3	0.2	<0.05	0.3	1.32	5.0	<0.02	<1	<0.1	2.5	<10	<2
1080414	Soil	0.19	4.5	0.2	<0.05	0.8	2.86	6.9	<0.02	<1	0.1	1.2	<10	<2
1080417	Soil	0.10	3.4	0.3	<0.05	0.6	0.23	1.0	<0.02	1	<0.1	0.3	<10	2
1080419	Soil	0.18	5.3	0.2	<0.05	0.2	2.47	5.9	<0.02	<1	0.2	1.0	<10	<2
1080421	Soil	0.04	5.1	0.1	<0.05	0.4	1.82	2.8	<0.02	<1	<0.1	0.3	<10	<2
1080423	Soil	0.22	8.2	0.1	<0.05	0.8	2.89	6.2	<0.02	<1	<0.1	1.8	<10	<2
1080425	Soil	0.37	5.5	0.3	<0.05	0.1	7.39	23.8	<0.02	<1	0.2	3.5	<10	2
1080426	Soil	0.15	3.7	0.2	<0.05	0.6	1.66	4.8	<0.02	<1	0.1	1.1	<10	<2
1080427	Soil	0.06	3.0	0.1	<0.05	0.6	4.39	7.9	<0.02	1	0.2	0.4	<10	<2
1080428	Soil	0.13	4.6	0.2	<0.05	0.5	1.10	3.3	<0.02	<1	<0.1	0.4	<10	<2
1080429	Soil	0.14	4.4	0.2	<0.05	0.4	1.38	3.8	<0.02	<1	0.2	0.6	<10	<2
1080430	Soil	0.13	4.5	0.2	<0.05	0.5	1.80	4.2	<0.02	<1	0.1	0.7	<10	<2

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www.acmelab.com

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Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
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QUALITY CONTROL REPORT VAN11003561.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
Pulp Duplicates																					
1079903	Soil	2.26	16.15	21.04	54.3	125	4.9	1.7	681	0.48	2.0	0.3	1.2	0.1	124.0	0.80	0.30	0.14	10	2.46	0.090
REP 1079903	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079920	Soil	1.45	6.94	6.19	78.8	498	3.9	0.9	397	0.13	0.4	<0.1	0.3	<0.1	16.5	0.65	0.17	0.05	2	0.39	0.131
REP 1079920	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079953	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 1079953	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079961	Soil	1.37	26.08	8.03	32.3	773	8.3	2.9	334	0.65	0.7	1.0	1.3	0.1	59.7	2.10	0.23	0.07	10	0.82	0.078
REP 1079961	QC	1.34	28.13	8.63	35.3	814	8.9	3.0	351	0.67	1.6	1.1	1.6	<0.1	60.3	2.22	0.23	0.08	10	0.87	0.085
1079974	Soil	1.25	12.46	7.26	281.6	884	13.4	3.8	7563	0.35	0.4	0.1	0.7	<0.1	133.0	1.53	0.14	0.06	7	2.33	0.095
REP 1079974	QC	1.37	12.43	7.74	297.9	891	13.3	3.5	7954	0.37	0.5	0.1	0.3	0.1	138.9	1.57	0.17	0.06	8	2.43	0.102
1079976	Soil	0.85	12.07	4.60	131.3	602	10.1	4.0	6379	0.73	1.2	0.1	0.7	0.1	43.0	0.79	0.17	0.06	17	1.33	0.079
REP 1079976	QC	0.94	12.51	4.60	130.9	590	10.0	4.1	6750	0.74	1.0	0.1	1.6	0.3	45.8	0.81	0.20	0.06	18	1.36	0.084
1080181	Soil	1.85	22.65	5.35	93.9	532	18.0	7.2	2027	1.19	0.2	0.5	2.8	<0.1	97.7	0.76	0.31	0.08	27	1.46	0.086
REP 1080181	QC	1.79	22.25	5.27	94.2	527	17.6	6.8	2008	1.19	0.9	0.5	1.5	<0.1	95.6	0.70	0.29	0.08	28	1.41	0.083
1080194	Soil	1.73	8.53	7.35	90.1	215	6.6	3.1	2013	0.65	<0.1	<0.1	1.9	<0.1	36.5	0.66	0.24	0.06	18	0.79	0.081
REP 1080194	QC	1.73	8.33	7.49	92.7	227	6.8	3.3	2078	0.68	0.6	<0.1	1.6	<0.1	37.6	0.71	0.22	0.06	19	0.79	0.083
1080373	Soil	1.31	28.94	4.33	78.0	456	13.1	7.6	1190	0.79	1.1	0.8	1.1	<0.1	98.1	0.73	0.34	0.05	17	1.49	0.104
REP 1080373	QC	1.32	28.57	4.13	76.7	395	12.2	7.6	1220	0.77	0.6	0.8	1.0	<0.1	95.0	0.64	0.36	0.05	16	1.49	0.103
1080378	Soil	2.15	34.31	5.26	96.6	562	23.1	22.6	2535	1.60	2.0	0.7	1.6	<0.1	73.8	1.02	0.29	0.09	43	1.03	0.118
REP 1080378	QC	2.17	34.37	5.01	97.4	555	22.3	24.8	2761	1.56	2.2	0.7	2.2	<0.1	74.9	1.04	0.27	0.08	42	1.04	0.120
1080404	Soil	1.80	10.67	3.18	60.1	114	4.9	2.5	345	0.24	0.8	0.2	0.3	<0.1	90.5	0.71	0.19	0.06	6	1.38	0.110
REP 1080404	QC	1.85	11.06	3.23	60.2	128	5.0	2.4	341	0.24	1.0	0.2	0.5	<0.1	94.1	0.72	0.20	0.06	6	1.42	0.110
Reference Materials																					
STD DS8	Standard	11.78	104.4	109.8	295.4	1586	34.8	6.8	567	2.33	26.5	2.4	98.3	6.1	65.0	2.13	4.99	5.82	35	0.65	0.082
STD DS8	Standard	12.86	107.0	130.4	310.8	1726	38.7	7.2	621	2.50	24.4	2.7	110.1	6.5	63.1	2.24	4.97	6.72	41	0.70	0.083
STD DS8	Standard	12.62	103.3	123.0	296.9	1702	35.8	6.7	571	2.39	23.9	2.5	114.3	6.2	61.1	2.29	4.89	6.38	39	0.67	0.077
STD DS8	Standard	12.18	114.9	123.9	290.0	1608	38.2	7.6	584	2.42	26.4	2.5	108.0	5.7	53.5	2.13	4.65	6.19	35	0.63	0.082
STD DS8	Standard	13.05	105.7	124.8	306.5	1784	38.0	7.2	583	2.41	23.7	2.7	116.3	6.5	56.7	2.07	5.18	6.15	40	0.68	0.074

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: August 26, 2011

QUALITY CONTROL REPORT VAN11003561.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
Pulp Duplicates																					
1079903	Soil	3.2	5.1	0.20	82.1	0.005	6	0.19	0.007	0.05	<0.1	1.2	0.04	0.14	179	0.8	0.08	0.4	0.12	<0.1	<0.02
REP 1079903	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079920	Soil	0.6	3.5	0.07	66.2	0.006	5	0.22	0.004	0.11	<0.1	0.5	0.08	0.10	388	0.6	0.04	0.4	0.23	<0.1	<0.02
REP 1079920	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079953	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 1079953	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079961	Soil	6.4	10.7	0.15	209.0	0.014	<1	0.46	0.010	0.08	<0.1	1.5	0.04	0.06	177	0.9	<0.02	1.7	0.33	<0.1	<0.02
REP 1079961	QC	6.3	11.1	0.16	208.9	0.014	1	0.47	0.011	0.09	<0.1	1.5	0.03	0.06	181	1.2	0.04	1.8	0.33	<0.1	<0.02
1079974	Soil	4.3	5.0	0.17	783.9	0.007	7	0.45	0.007	0.10	<0.1	0.4	0.10	0.12	444	0.2	<0.02	0.8	0.36	<0.1	<0.02
REP 1079974	QC	4.4	4.9	0.18	784.9	0.011	7	0.47	0.007	0.10	<0.1	0.8	0.10	0.13	407	0.2	<0.02	0.8	0.50	<0.1	<0.02
1079976	Soil	2.0	10.4	0.18	324.7	0.019	4	0.55	0.008	0.10	<0.1	0.8	0.08	0.08	620	0.1	<0.02	1.5	0.29	<0.1	<0.02
REP 1079976	QC	2.5	10.4	0.20	335.6	0.026	4	0.56	0.008	0.10	<0.1	1.1	0.08	0.08	577	<0.1	<0.02	1.6	0.42	<0.1	<0.02
1080181	Soil	9.9	19.9	0.35	389.0	0.027	5	1.06	0.008	0.10	<0.1	1.4	0.10	0.08	261	0.4	<0.02	3.2	0.70	<0.1	<0.02
REP 1080181	QC	9.7	19.7	0.34	376.0	0.025	4	1.06	0.008	0.10	0.1	1.4	0.10	0.08	259	0.4	0.02	3.2	0.66	<0.1	<0.02
1080194	Soil	2.4	10.8	0.15	193.5	0.024	3	0.48	0.007	0.09	<0.1	0.7	0.08	0.08	251	0.2	<0.02	1.8	0.34	<0.1	<0.02
REP 1080194	QC	2.5	11.2	0.15	200.1	0.025	3	0.50	0.007	0.09	0.1	0.7	0.08	0.07	258	0.2	0.02	1.9	0.33	<0.1	<0.02
1080373	Soil	12.9	11.4	0.23	317.3	0.013	4	0.83	0.011	0.06	<0.1	1.5	0.05	0.11	292	0.5	0.02	1.8	0.24	<0.1	<0.02
REP 1080373	QC	12.5	10.5	0.22	305.5	0.011	4	0.81	0.011	0.06	<0.1	1.5	0.06	0.11	330	0.4	<0.02	1.5	0.22	<0.1	<0.02
1080378	Soil	9.0	26.1	0.39	273.8	0.020	3	1.37	0.011	0.07	0.1	1.5	0.08	0.09	189	0.4	<0.02	4.2	0.63	<0.1	<0.02
REP 1080378	QC	9.1	22.9	0.38	268.3	0.018	3	1.32	0.011	0.07	<0.1	1.3	0.10	0.10	191	0.5	<0.02	4.0	0.63	<0.1	<0.02
1080404	Soil	2.0	4.3	0.18	153.1	0.004	4	0.21	0.008	0.08	<0.1	0.4	0.04	0.11	266	0.4	0.02	0.4	0.20	<0.1	0.02
REP 1080404	QC	2.0	4.6	0.19	157.1	0.004	5	0.21	0.009	0.08	<0.1	0.5	0.04	0.12	282	0.5	<0.02	0.4	0.22	<0.1	<0.02
Reference Materials																					
STD DS8	Standard	13.6	106.2	0.58	259.4	0.107	2	0.86	0.078	0.38	2.6	2.2	5.13	0.15	184	4.8	4.80	4.3	2.22	<0.1	0.08
STD DS8	Standard	13.8	119.0	0.60	274.7	0.108	2	0.88	0.084	0.40	2.8	2.1	5.66	0.16	207	5.1	4.79	4.4	2.38	<0.1	0.06
STD DS8	Standard	13.4	118.5	0.58	260.2	0.098	2	0.85	0.079	0.38	2.7	2.0	5.41	0.16	215	4.7	4.57	4.2	2.36	<0.1	0.07
STD DS8	Standard	11.2	113.2	0.59	238.5	0.100	1	0.84	0.071	0.40	2.8	1.7	5.48	0.16	198	5.2	4.42	4.3	2.30	<0.1	0.08
STD DS8	Standard	14.1	115.1	0.60	266.1	0.108	3	0.90	0.085	0.41	3.2	2.1	5.62	0.15	219	5.4	5.37	4.8	2.58	<0.1	0.09

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

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QUALITY CONTROL REPORT VAN11003561.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
Pulp Duplicates														
1079903	Soil	0.05	2.0	<0.1	<0.05	0.6	4.90	3.6	<0.02	<1	0.2	0.6	<10	<2
REP 1079903	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079920	Soil	0.03	3.9	0.1	<0.05	0.2	0.26	1.1	<0.02	<1	<0.1	0.2	<10	<2
REP 1079920	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079953	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 1079953	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1079961	Soil	0.20	3.2	0.3	<0.05	0.2	3.76	10.7	<0.02	<1	0.2	1.1	<10	<2
REP 1079961	QC	0.17	3.1	0.2	<0.05	0.3	3.94	10.7	<0.02	<1	<0.1	1.2	<10	<2
1079974	Soil	0.12	4.0	0.1	<0.05	0.2	2.86	11.0	<0.02	<1	0.1	1.2	<10	<2
REP 1079974	QC	0.13	5.8	0.1	<0.05	0.3	3.03	11.3	<0.02	<1	0.1	1.3	<10	<2
1079976	Soil	0.27	4.7	0.1	<0.05	0.3	1.20	4.3	<0.02	<1	<0.1	2.6	<10	<2
REP 1079976	QC	0.33	6.3	0.1	<0.05	0.4	1.31	5.3	<0.02	<1	<0.1	2.9	<10	<2
1080181	Soil	0.53	8.8	0.2	<0.05	<0.1	6.99	25.6	<0.02	<1	0.3	4.3	<10	<2
REP 1080181	QC	0.49	8.2	0.3	<0.05	0.1	6.69	25.0	<0.02	<1	0.3	4.2	<10	<2
1080194	Soil	0.34	6.4	0.2	<0.05	<0.1	1.14	5.4	<0.02	<1	<0.1	2.1	<10	<2
REP 1080194	QC	0.37	6.3	0.2	<0.05	<0.1	1.08	5.2	<0.02	2	<0.1	2.1	<10	<2
1080373	Soil	0.23	2.7	0.1	<0.05	0.3	9.91	26.7	<0.02	<1	0.3	2.3	<10	<2
REP 1080373	QC	0.21	2.6	0.1	<0.05	0.3	9.80	25.7	<0.02	<1	0.3	2.1	<10	<2
1080378	Soil	0.46	5.9	0.4	<0.05	0.1	7.05	22.5	<0.02	<1	0.4	6.4	<10	<2
REP 1080378	QC	0.44	5.5	0.3	<0.05	0.1	7.20	22.6	0.02	3	0.4	5.8	<10	<2
1080404	Soil	0.06	4.3	0.2	<0.05	0.6	2.19	3.8	<0.02	<1	0.2	0.2	<10	<2
REP 1080404	QC	0.06	4.7	0.3	<0.05	0.6	2.29	3.9	<0.02	<1	0.2	0.4	<10	<2
Reference Materials														
STD DS8	Standard	1.14	34.9	6.5	<0.05	1.9	5.42	23.6	2.13	49	4.7	26.3	108	303
STD DS8	Standard	1.04	38.1	6.3	<0.05	1.5	5.38	26.2	2.11	61	5.1	28.5	121	352
STD DS8	Standard	1.00	34.8	6.4	<0.05	1.6	5.08	26.3	2.05	64	4.8	26.4	116	351
STD DS8	Standard	1.02	37.4	5.7	<0.05	1.6	4.53	19.5	1.97	61	5.2	25.7	116	329
STD DS8	Standard	1.21	39.8	6.0	<0.05	1.6	6.14	30.6	2.23	52	4.9	23.6	139	349

Acme Analytical Laboratories (Vancouver) Ltd.
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QUALITY CONTROL REPORT VAN11003561.1

		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
STD DS8	Standard	13.59	117.2	125.6	334.6	1847	37.9	8.1	623	2.65	28.8	2.9	128.6	7.0	69.5	2.53	5.89	7.13	43	0.73	0.087
STD DS8 Expected		13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: August 26, 2011

QUALITY CONTROL REPORT VAN11003561.1

		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
STD DS8	Standard	16.3	126.4	0.65	276.4	0.115	3	0.98	0.096	0.44	2.9	2.1	5.66	0.17	206	5.6	5.30	4.9	2.57	<0.1	0.07
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48	0.13	0.08
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02

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QUALITY CONTROL REPORT VAN11003561.1

		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
STD DS8	Standard	1.26	40.3	7.2	<0.05	1.8	6.21	31.5	2.34	57	5.8	30.3	100	358
STD DS8 Expected		1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2

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www.acmelab.com

Client: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Submitted By: Kevin Byrne
Receiving Lab: Canada-Vancouver
Received: July 29, 2011
Report Date: August 15, 2011
Page: 1 of 2

CERTIFICATE OF ANALYSIS VAN11003559.1

CLIENT JOB INFORMATION

Project: 204900
Shipment ID: CRP_002
P.O. Number
Number of Samples: 12

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

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
Soil Pulverize	12	Soil Pulverize			VAN
RJSV	12	Saving all or part of Soil Reject			VAN
1F06	12	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Teck Resources Limited
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3
Canada

CC: Randy Farmer
Rupa Mukherjee

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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Project: 204900
Report Date: August 15, 2011

CERTIFICATE OF ANALYSIS VAN11003559.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1080403	Soil	2.41	11.18	5.43	58.6	176	7.5	3.8	544	0.68	0.8	<0.1	4.9	<0.1	39.3	0.79	0.15	0.06	18	0.54	0.074
1080405	Soil	2.30	9.22	3.08	37.2	97	5.1	2.9	385	0.20	0.6	0.1	2.7	0.1	87.0	0.62	0.19	0.03	5	1.48	0.092
1080407	Soil	1.99	9.55	4.98	45.7	266	6.4	2.3	448	0.38	1.0	0.1	0.6	0.1	29.2	0.67	0.21	0.04	11	0.50	0.096
1080409	Soil	2.09	8.80	3.63	138.3	377	4.4	3.3	1203	0.26	0.4	<0.1	0.8	<0.1	80.7	0.97	0.10	0.03	6	1.25	0.110
1080411	Soil	1.72	11.67	5.57	55.5	459	6.3	4.0	794	0.52	0.8	<0.1	1.8	<0.1	29.7	0.76	0.15	0.05	14	0.42	0.085
1080413	Soil	1.25	14.09	3.80	62.7	182	10.5	5.0	1665	0.84	1.7	0.1	<0.2	<0.1	63.9	0.43	0.14	0.07	23	0.96	0.090
1080415	Soil	1.58	10.38	2.59	76.0	311	6.8	2.0	367	0.34	0.6	0.1	<0.2	<0.1	50.1	0.93	0.11	0.04	8	0.89	0.085
1080416	Soil	2.84	8.42	4.55	78.7	441	4.7	1.6	570	0.28	0.9	<0.1	0.5	<0.1	37.4	1.11	0.13	0.04	6	0.70	0.088
1080418	Soil	1.60	6.58	5.11	46.8	487	3.3	1.1	900	0.10	0.4	<0.1	<0.2	<0.1	15.8	0.76	0.12	0.03	<2	0.47	0.099
1080420	Soil	1.93	16.94	4.64	106.8	423	11.5	4.9	1871	0.72	1.2	0.2	0.8	<0.1	61.9	0.66	0.17	0.05	14	1.25	0.083
1080422	Soil	1.81	17.28	2.74	96.7	457	9.9	3.1	387	0.48	0.7	0.4	<0.2	<0.1	83.0	1.10	0.27	0.03	10	1.68	0.091
1080424	Soil	3.29	14.00	3.77	116.2	261	7.8	2.5	543	0.51	0.7	0.2	<0.2	<0.1	84.5	1.10	0.13	0.04	11	1.56	0.091

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www.acmelab.com

Client: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: August 15, 2011

CERTIFICATE OF ANALYSIS VAN11003559.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
1080403	Soil	3.7	27.6	0.19	132.7	0.029	<1	0.56	0.008	0.08	<0.1	0.8	0.05	0.08	141	0.8	<0.02	1.9	0.31	<0.1	<0.02
1080405	Soil	2.0	6.2	0.22	119.4	0.004	<1	0.17	0.007	0.06	<0.1	0.5	0.03	0.13	258	0.7	<0.02	0.3	0.20	<0.1	0.03
1080407	Soil	1.9	9.5	0.16	95.4	0.019	<1	0.29	0.007	0.07	<0.1	0.7	0.04	0.09	313	0.6	<0.02	1.1	0.22	<0.1	<0.02
1080409	Soil	1.5	9.3	0.17	230.6	0.009	4	0.19	0.008	0.14	<0.1	0.4	0.06	0.11	160	0.2	<0.02	0.7	0.26	<0.1	<0.02
1080411	Soil	3.3	11.9	0.16	101.2	0.017	<1	0.47	0.008	0.08	<0.1	0.4	0.04	0.09	148	0.2	<0.02	1.6	0.23	<0.1	<0.02
1080413	Soil	3.6	17.5	0.28	227.6	0.038	1	0.66	0.011	0.10	0.1	1.0	0.04	0.07	117	<0.1	<0.02	2.3	0.29	<0.1	<0.02
1080415	Soil	2.8	7.1	0.16	105.7	0.010	2	0.29	0.005	0.11	<0.1	0.7	0.03	0.10	145	0.3	<0.02	0.8	0.21	<0.1	<0.02
1080416	Soil	1.3	7.5	0.09	119.7	0.011	2	0.20	0.007	0.09	<0.1	0.7	0.03	0.11	275	0.5	<0.02	0.6	0.18	<0.1	<0.02
1080418	Soil	<0.5	3.8	0.06	64.4	0.005	2	0.16	0.004	0.09	<0.1	0.4	0.05	0.12	337	0.4	<0.02	0.3	0.17	<0.1	<0.02
1080420	Soil	4.9	15.6	0.18	227.1	0.018	1	0.62	0.005	0.09	<0.1	1.1	0.04	0.09	222	0.2	<0.02	1.9	0.34	<0.1	<0.02
1080422	Soil	4.8	10.1	0.21	168.4	0.009	4	0.44	0.006	0.09	<0.1	1.1	0.02	0.10	174	0.3	<0.02	1.1	0.17	<0.1	<0.02
1080424	Soil	2.6	12.1	0.19	229.4	0.013	3	0.43	0.005	0.11	<0.1	1.2	0.03	0.10	178	0.3	<0.02	1.4	0.26	<0.1	0.03

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Vancouver BC V6C 0B3 Canada

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CERTIFICATE OF ANALYSIS VAN11003559.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1080403	Soil	0.39	6.2	0.2	<0.05	0.2	1.68	6.6	<0.02	<1	<0.1	1.8	<10	<2
1080405	Soil	0.07	3.1	<0.1	<0.05	0.5	2.01	3.5	<0.02	<1	<0.1	0.6	<10	3
1080407	Soil	0.38	3.2	0.1	<0.05	0.8	1.39	3.7	<0.02	<1	<0.1	0.8	<10	3
1080409	Soil	0.13	6.4	<0.1	<0.05	0.2	1.01	3.0	<0.02	<1	<0.1	0.6	<10	<2
1080411	Soil	0.31	4.0	0.2	<0.05	0.2	1.69	6.1	<0.02	<1	<0.1	1.7	<10	<2
1080413	Soil	0.50	6.9	0.2	<0.05	0.8	2.44	6.8	<0.02	<1	<0.1	2.4	<10	<2
1080415	Soil	0.15	4.5	<0.1	<0.05	0.6	2.17	5.0	<0.02	<1	<0.1	0.7	<10	<2
1080416	Soil	0.12	3.4	<0.1	<0.05	0.6	0.76	2.1	<0.02	<1	<0.1	0.5	<10	<2
1080418	Soil	0.06	3.4	<0.1	<0.05	0.2	0.21	0.8	<0.02	<1	<0.1	0.2	<10	<2
1080420	Soil	0.31	7.9	0.2	<0.05	0.3	3.52	8.5	<0.02	<1	<0.1	1.4	<10	<2
1080422	Soil	0.16	4.0	<0.1	<0.05	0.8	5.22	8.1	<0.02	<1	<0.1	1.1	<10	<2
1080424	Soil	0.19	6.8	0.1	<0.05	0.8	2.06	4.5	<0.02	<1	<0.1	1.6	<10	<2

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QUALITY CONTROL REPORT VAN11003559.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
Pulp Duplicates																					
REP G1	QC	2.59	3.17	2.54	44.1	4	4.1	4.6	510	1.85	0.2	1.7	0.2	4.5	47.7	<0.01	<0.02	0.03	35	0.47	0.069
Reference Materials																					
STD DS8	Standard	12.68	108.5	112.9	289.0	1629	36.8	7.8	565	2.31	22.6	2.5	106.6	6.4	60.7	2.09	3.98	6.12	40	0.69	0.070
STD DS8 Expected		13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
Prep Wash																					
G1	Prep Blank	2.63	2.71	2.51	41.7	10	3.9	4.2	495	1.81	0.3	1.6	<0.2	4.3	45.6	0.01	0.02	0.03	34	0.43	0.064
G1	Prep Blank	2.65	2.74	2.56	43.5	6	4.3	4.2	518	1.86	0.4	1.8	1.9	4.7	47.9	0.02	0.03	0.03	35	0.48	0.072

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	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
Pulp Duplicates																					
REP G1	QC	7.6	44.8	0.55	197.3	0.123	<1	0.95	0.073	0.45	<0.1	1.7	0.28	<0.02	<5	<0.1	0.02	4.5	2.46	0.2	0.09
Reference Materials																					
STD DS8	Standard	15.2	115.3	0.60	245.9	0.116	<1	0.91	0.087	0.39	2.5	2.1	4.82	0.16	168	4.7	4.35	4.3	2.26	<0.1	0.08
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48	0.13	0.08
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
Prep Wash																					
G1	Prep Blank	7.3	44.3	0.53	192.4	0.108	<1	0.92	0.079	0.47	<0.1	1.6	0.29	<0.02	<5	<0.1	<0.02	4.1	2.41	<0.1	0.05
G1	Prep Blank	7.7	45.8	0.53	197.2	0.126	<1	0.94	0.074	0.45	<0.1	1.7	0.30	<0.02	<5	<0.1	<0.02	4.4	2.53	<0.1	0.08

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

Client: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: August 15, 2011

QUALITY CONTROL REPORT VAN11003559.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
Pulp Duplicates														
REP G1	QC	0.80	38.6	0.5	<0.05	1.1	4.30	14.1	<0.02	<1	<0.1	27.4	<10	3
Reference Materials														
STD DS8	Standard	1.33	35.8	6.3	<0.05	2.1	5.84	26.0	2.11	45	4.8	23.6	104	307
STD DS8 Expected		1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
Prep Wash														
G1	Prep Blank	0.46	37.3	0.5	<0.05	0.9	3.87	13.8	<0.02	<1	0.1	26.7	<10	<2
G1	Prep Blank	0.86	39.8	0.5	<0.05	1.1	4.33	14.4	<0.02	<1	<0.1	28.3	<10	3

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www.acmelab.com

Client: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Submitted By: Kevin Byrne
Receiving Lab: Canada-Vancouver
Received: August 15, 2011
Report Date: September 04, 2011
Page: 1 of 5

CERTIFICATE OF ANALYSIS VAN11003926.1

CLIENT JOB INFORMATION

Project: 204900
Shipment ID: CRP_005
P.O. Number
Number of Samples: 110

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	108	Dry at 60C			VAN
SS80	108	Dry at 60C sieve 100g to -80 mesh			VAN
RJSV	108	Saving all or part of Soil Reject			VAN
1F06	107	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Teck Resources Limited
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3
Canada

CC: Rupa Mukherjee
Randy Farmer

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

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Project: 204900
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CERTIFICATE OF ANALYSIS VAN11003926.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1080551	Soil	1.15	6.15	4.60	75.2	150	3.0	1.4	2215	0.11	<0.1	<0.1	2.2	<0.1	23.1	0.72	0.11	0.06	<2	0.49	0.146
1080552	Soil	1.45	11.30	3.58	49.2	45	4.6	2.7	783	0.21	0.5	0.1	0.8	<0.1	78.0	0.97	0.16	0.04	5	1.37	0.160
1080553	Soil	4.62	6.75	2.99	16.6	14	1.6	1.3	632	0.09	0.5	<0.1	0.4	<0.1	59.8	0.52	0.10	0.02	<2	1.53	0.107
1080554	Soil	1.34	18.71	7.92	46.6	552	9.8	3.4	432	0.86	1.9	0.1	1.7	<0.1	33.6	0.87	0.26	0.06	23	0.41	0.121
1080555	Soil	1.13	9.76	6.06	107.3	291	3.9	1.1	1710	0.19	0.5	<0.1	0.3	<0.1	32.6	0.92	0.14	0.04	3	0.96	0.175
1080556	Soil	0.91	7.46	6.49	92.8	380	2.6	1.0	1188	0.15	0.3	<0.1	<0.2	<0.1	47.5	1.13	0.13	0.04	3	0.99	0.128
1080557	Soil	1.06	8.66	3.93	129.8	215	3.1	1.0	3587	0.12	0.3	<0.1	0.2	<0.1	50.8	0.90	0.06	0.03	<2	1.11	0.175
1080558	Soil	1.25	16.33	5.24	45.8	727	7.7	5.3	618	0.50	0.7	0.2	0.9	<0.1	42.1	0.74	0.26	0.04	6	0.47	0.183
1080559	Soil	1.60	9.32	7.44	125.4	675	5.0	1.8	2642	0.18	0.4	<0.1	0.2	<0.1	36.7	1.25	0.19	0.06	3	0.62	0.157
1080560	Soil	1.17	9.40	6.37	234.4	1034	4.8	2.3	7502	0.16	0.6	<0.1	1.9	<0.1	48.9	1.10	0.15	0.04	<2	1.39	0.193
1080561	Soil	1.08	8.17	5.43	57.2	517	3.0	1.4	2488	0.19	0.2	<0.1	0.2	<0.1	36.4	1.47	0.12	0.04	3	0.68	0.149
1080562	Soil	1.14	13.42	4.09	88.5	701	7.9	5.0	2404	0.29	0.5	0.1	0.4	<0.1	49.0	1.38	0.15	0.03	3	0.72	0.162
1080563	Soil	1.69	10.27	5.33	45.0	909	5.8	4.2	416	0.24	0.2	0.1	0.8	<0.1	40.3	1.18	0.18	0.04	4	0.41	0.167
1080564	Soil	1.23	8.31	5.74	95.7	594	3.5	1.0	4715	0.11	0.3	<0.1	<0.2	<0.1	28.9	0.88	0.09	0.03	<2	0.60	0.184
1080565	Soil	1.28	8.81	5.16	89.2	1099	4.1	1.6	2492	0.15	0.4	<0.1	0.3	<0.1	41.1	1.20	0.10	0.03	<2	0.78	0.184
1080566	Soil	1.21	7.67	5.90	57.6	566	3.1	0.9	517	0.14	0.4	<0.1	1.4	<0.1	24.9	1.74	0.09	0.04	2	0.47	0.150
1080567	Soil	1.40	7.82	5.77	183.6	909	3.5	1.2	3345	0.14	0.2	<0.1	0.3	<0.1	23.3	1.24	0.10	0.03	<2	0.73	0.133
1080568	Soil	1.15	17.20	7.06	43.7	512	9.2	2.2	92	0.42	1.0	0.4	<0.2	<0.1	54.7	1.98	0.21	0.06	8	0.52	0.096
1080569	Soil	4.86	31.33	6.06	44.2	235	21.4	33.1	>10000	2.17	4.7	0.5	0.9	<0.1	117.1	3.51	0.73	0.06	26	2.00	0.158
1080570	Soil	1.81	19.08	6.61	36.6	261	9.0	2.1	1865	0.28	0.6	0.2	0.3	0.1	87.4	0.79	0.28	0.04	7	1.35	0.141
1080571	Soil	1.48	12.58	5.08	68.0	303	3.7	1.4	741	0.18	0.4	<0.1	0.3	<0.1	29.7	1.28	0.12	0.03	4	0.49	0.162
1080572	Soil	1.24	11.05	7.16	65.9	440	5.3	1.7	1087	0.33	0.5	<0.1	0.3	<0.1	30.0	0.83	0.13	0.04	6	0.46	0.142
1080573	Soil	1.38	9.43	6.73	58.6	379	6.0	2.3	376	0.27	0.7	<0.1	<0.2	<0.1	31.8	0.92	0.14	0.05	6	0.38	0.151
1080574	Soil	1.16	13.26	6.41	39.5	712	8.9	2.3	184	0.39	0.5	0.1	0.3	<0.1	53.4	0.96	0.17	0.05	9	0.53	0.118
1080575	Soil	1.78	20.58	7.59	84.5	595	11.1	4.9	3184	0.47	0.9	0.2	0.7	<0.1	64.0	1.02	0.24	0.05	9	0.92	0.157
1080576	Soil	1.48	16.40	2.90	36.7	69	8.8	5.5	1184	0.50	0.9	0.2	0.9	<0.1	91.7	0.80	0.21	0.03	8	1.53	0.138
1080577	Soil	1.36	8.72	2.22	33.2	91	2.8	1.2	373	0.12	0.2	<0.1	0.6	<0.1	60.4	0.32	0.06	<0.02	<2	1.21	0.105
1080578	Soil	1.51	8.48	3.19	23.3	44	4.7	2.4	353	0.26	0.6	<0.1	1.1	<0.1	80.0	0.45	0.22	0.02	4	1.31	0.109
1080579	Soil	1.73	9.14	3.49	26.8	54	3.9	2.1	368	0.19	0.4	<0.1	<0.2	<0.1	72.9	0.55	0.09	0.02	2	1.14	0.102
1080580	Soil	1.96	10.03	2.08	28.4	74	5.5	7.1	1454	0.33	0.2	<0.1	<0.2	<0.1	63.8	0.50	0.06	<0.02	3	1.02	0.137

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

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Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: September 04, 2011

CERTIFICATE OF ANALYSIS VAN11003926.1

		Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
1080551	Soil		<0.5	2.9	0.08	85.7	0.004	5	0.17	0.006	0.09	<0.1	0.2	0.07	0.09	224	0.3	<0.02	0.3	0.14	<0.1	<0.02
1080552	Soil		1.5	4.6	0.16	105.5	0.005	5	0.22	0.008	0.12	<0.1	0.6	0.03	0.11	145	0.3	<0.02	0.5	0.20	<0.1	<0.02
1080553	Soil		<0.5	2.5	0.16	36.0	0.002	7	0.05	0.013	0.10	<0.1	0.2	0.03	0.09	157	0.1	<0.02	0.1	0.09	<0.1	<0.02
1080554	Soil		2.7	13.1	0.20	115.7	0.027	4	0.51	0.009	0.09	<0.1	0.7	0.03	0.07	151	0.2	<0.02	1.8	0.42	<0.1	<0.02
1080555	Soil		0.7	3.8	0.12	100.9	0.007	8	0.22	0.007	0.21	<0.1	0.4	0.05	0.12	336	0.2	<0.02	0.4	0.34	<0.1	<0.02
1080556	Soil		0.8	3.7	0.10	162.0	0.008	7	0.21	0.008	0.12	<0.1	0.4	0.09	0.11	297	0.2	<0.02	0.4	0.27	<0.1	<0.02
1080557	Soil		<0.5	3.0	0.10	184.2	0.004	5	0.12	0.008	0.16	<0.1	0.3	0.04	0.12	231	0.1	<0.02	0.3	0.19	<0.1	<0.02
1080558	Soil		5.0	6.4	0.11	198.5	0.008	4	0.61	0.007	0.12	<0.1	0.4	0.04	0.11	258	0.2	<0.02	1.0	0.21	<0.1	<0.02
1080559	Soil		1.3	4.6	0.10	237.9	0.007	6	0.22	0.008	0.14	<0.1	0.5	0.03	0.11	320	0.3	<0.02	0.5	0.15	<0.1	<0.02
1080560	Soil		0.7	4.8	0.12	328.0	0.006	11	0.16	0.008	0.19	<0.1	0.4	0.08	0.12	390	0.2	<0.02	0.5	0.30	<0.1	<0.02
1080561	Soil		1.1	4.3	0.09	258.6	0.008	7	0.23	0.007	0.16	<0.1	0.3	0.10	0.09	332	0.2	<0.02	0.5	0.25	<0.1	<0.02
1080562	Soil		3.4	5.4	0.13	210.3	0.006	4	0.42	0.007	0.12	<0.1	0.4	0.04	0.11	194	0.2	<0.02	0.6	0.18	<0.1	<0.02
1080563	Soil		2.5	4.4	0.11	141.0	0.009	3	0.35	0.008	0.10	<0.1	0.9	0.03	0.10	169	0.2	<0.02	0.5	0.23	<0.1	<0.02
1080564	Soil		0.5	3.2	0.09	140.1	0.004	4	0.12	0.008	0.16	<0.1	0.4	0.04	0.11	277	0.2	<0.02	0.3	0.18	<0.1	<0.02
1080565	Soil		0.9	4.3	0.10	154.0	0.005	6	0.17	0.007	0.15	<0.1	0.6	0.06	0.11	261	<0.1	<0.02	0.3	0.18	<0.1	<0.02
1080566	Soil		0.9	3.6	0.09	132.7	0.007	4	0.24	0.008	0.12	<0.1	0.5	0.03	0.09	233	0.5	<0.02	0.4	0.21	<0.1	<0.02
1080567	Soil		0.6	3.8	0.09	105.6	0.005	5	0.19	0.007	0.11	<0.1	0.3	0.05	0.10	307	0.2	<0.02	0.4	0.16	<0.1	<0.02
1080568	Soil		8.8	8.2	0.12	299.9	0.011	4	0.45	0.005	0.06	<0.1	0.9	0.03	0.08	197	0.5	<0.02	1.2	0.21	<0.1	<0.02
1080569	Soil		13.3	12.1	0.26	332.6	0.008	5	0.97	0.010	0.08	<0.1	1.3	0.19	0.16	230	0.8	0.03	1.3	0.21	<0.1	<0.02
1080570	Soil		5.6	6.3	0.20	160.7	0.009	7	0.34	0.008	0.08	<0.1	1.1	0.04	0.11	245	0.3	<0.02	0.8	0.20	<0.1	<0.02
1080571	Soil		0.8	4.3	0.11	100.4	0.008	6	0.24	0.008	0.10	<0.1	0.3	0.05	0.11	207	0.3	<0.02	0.4	0.16	<0.1	<0.02
1080572	Soil		1.4	5.5	0.10	144.1	0.008	5	0.40	0.007	0.10	<0.1	0.4	0.06	0.11	284	0.4	<0.02	0.7	0.28	<0.1	<0.02
1080573	Soil		1.4	6.4	0.12	115.3	0.009	4	0.37	0.008	0.08	<0.1	0.2	0.05	0.10	230	0.3	<0.02	0.7	0.25	<0.1	<0.02
1080574	Soil		5.5	8.1	0.15	169.8	0.019	4	0.46	0.006	0.07	<0.1	1.1	0.03	0.08	166	0.7	<0.02	1.1	0.29	<0.1	<0.02
1080575	Soil		8.7	9.3	0.19	270.9	0.015	6	0.53	0.008	0.11	<0.1	1.4	0.07	0.10	243	0.3	<0.02	1.4	0.41	<0.1	<0.02
1080576	Soil		2.7	8.2	0.28	116.4	0.007	8	0.30	0.018	0.09	<0.1	1.0	0.07	0.10	127	0.2	<0.02	0.7	0.30	<0.1	<0.02
1080577	Soil		<0.5	3.5	0.20	74.2	0.002	7	0.05	0.017	0.07	<0.1	0.2	0.03	0.09	151	0.1	<0.02	0.1	0.10	<0.1	<0.02
1080578	Soil		1.2	5.7	0.23	84.7	0.003	6	0.11	0.017	0.08	<0.1	0.6	0.02	0.10	226	0.1	0.05	0.2	0.13	<0.1	<0.02
1080579	Soil		0.8	4.4	0.22	89.6	0.003	6	0.08	0.015	0.08	<0.1	0.5	0.02	0.08	209	0.3	<0.02	0.2	0.11	<0.1	<0.02
1080580	Soil		1.0	7.5	0.24	80.0	0.003	6	0.10	0.017	0.16	<0.1	0.5	0.03	0.08	75	0.1	<0.02	0.2	0.17	<0.1	<0.02

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Project: 204900
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CERTIFICATE OF ANALYSIS VAN11003926.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1080551	Soil	0.05	2.7	0.3	<0.05	0.1	0.22	0.7	0.02	<1	<0.1	0.3	<10	<2
1080552	Soil	0.07	4.4	0.2	<0.05	0.4	1.79	2.7	<0.02	<1	<0.1	0.6	<10	<2
1080553	Soil	0.03	2.1	<0.1	<0.05	0.2	0.32	0.4	<0.02	<1	<0.1	0.1	<10	<2
1080554	Soil	0.38	6.4	0.3	<0.05	0.6	2.03	5.0	<0.02	<1	<0.1	2.2	<10	<2
1080555	Soil	0.07	6.9	0.1	<0.05	0.3	0.39	1.2	<0.02	<1	<0.1	0.4	<10	<2
1080556	Soil	0.07	4.1	0.1	<0.05	0.3	0.43	1.4	<0.02	<1	<0.1	0.3	<10	<2
1080557	Soil	0.04	6.2	0.1	<0.05	0.2	0.32	0.8	<0.02	<1	<0.1	0.3	<10	<2
1080558	Soil	0.13	4.1	0.2	<0.05	<0.1	3.50	9.9	<0.02	<1	0.2	0.8	<10	<2
1080559	Soil	0.08	2.8	0.1	<0.05	0.3	0.83	2.8	<0.02	<1	<0.1	0.5	<10	<2
1080560	Soil	0.07	6.4	0.1	<0.05	0.2	0.41	1.4	<0.02	<1	<0.1	0.4	<10	<2
1080561	Soil	0.09	4.0	0.1	<0.05	0.1	0.51	2.0	<0.02	<1	<0.1	0.4	<10	<2
1080562	Soil	0.09	2.6	0.2	<0.05	0.1	2.26	7.1	<0.02	<1	<0.1	0.5	<10	<2
1080563	Soil	0.11	2.4	0.1	<0.05	0.3	1.50	4.8	<0.02	<1	0.1	0.5	<10	<2
1080564	Soil	0.04	4.0	0.1	<0.05	0.1	0.25	0.8	<0.02	<1	<0.1	0.3	<10	<2
1080565	Soil	0.05	4.3	0.2	<0.05	0.2	0.50	1.6	<0.02	<1	<0.1	0.4	<10	<2
1080566	Soil	0.08	3.9	0.1	<0.05	0.3	0.36	1.4	<0.02	<1	<0.1	0.2	<10	<2
1080567	Soil	0.05	2.6	0.1	<0.05	0.2	0.33	1.1	<0.02	<1	<0.1	0.4	<10	<2
1080568	Soil	0.19	2.3	0.2	<0.05	0.5	5.11	13.6	<0.02	<1	0.2	1.1	<10	<2
1080569	Soil	0.19	2.6	0.1	<0.05	0.2	15.78	37.0	<0.02	<1	0.4	1.4	<10	<2
1080570	Soil	0.12	3.5	0.1	<0.05	0.4	5.89	9.4	<0.02	<1	0.2	0.9	<10	<2
1080571	Soil	0.09	2.9	0.1	<0.05	0.2	0.34	1.2	<0.02	<1	<0.1	0.4	<10	<2
1080572	Soil	0.14	4.1	0.2	<0.05	<0.1	0.78	2.8	<0.02	<1	<0.1	0.7	<10	<2
1080573	Soil	0.17	3.0	0.1	<0.05	0.1	0.79	2.7	<0.02	<1	<0.1	0.7	<10	<2
1080574	Soil	0.21	3.3	0.2	<0.05	0.3	3.99	12.4	<0.02	<1	0.1	0.9	<10	<2
1080575	Soil	0.17	4.8	0.2	<0.05	0.2	7.18	18.0	<0.02	<1	0.2	1.5	<10	<2
1080576	Soil	0.12	3.6	0.1	<0.05	0.4	3.72	5.1	<0.02	<1	0.1	0.9	<10	<2
1080577	Soil	0.03	2.1	<0.1	<0.05	0.2	0.69	0.7	<0.02	<1	<0.1	0.2	<10	<2
1080578	Soil	0.05	2.1	0.1	<0.05	0.4	2.15	2.1	<0.02	<1	<0.1	0.3	<10	<2
1080579	Soil	0.04	2.1	<0.1	<0.05	0.3	1.36	1.4	<0.02	<1	<0.1	0.2	<10	<2
1080580	Soil	0.06	4.4	0.2	<0.05	0.2	1.56	2.1	<0.02	<1	<0.1	0.3	<10	<2

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: September 04, 2011

CERTIFICATE OF ANALYSIS VAN11003926.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1080581	Soil	2.07	6.27	3.90	25.8	124	2.3	0.8	143	0.12	0.2	<0.1	<0.2	<0.1	27.1	0.54	0.10	<0.02	2	0.38	0.151
1080582	Soil	1.87	11.40	2.10	80.3	39	4.0	3.1	749	0.15	0.4	<0.1	<0.2	<0.1	85.9	1.48	0.08	<0.02	3	1.45	0.170
1080583	Soil	3.08	8.82	3.43	13.3	31	3.5	2.0	387	0.33	0.7	0.1	0.7	<0.1	92.1	0.80	0.23	<0.02	5	1.94	0.120
1080584	Soil	2.80	5.19	1.78	16.7	7	2.5	0.8	320	0.13	<0.1	<0.1	0.3	<0.1	59.8	0.26	0.05	<0.02	<2	1.21	0.108
1080585	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1080586	Soil	1.51	15.63	6.77	57.0	865	8.2	4.5	567	0.41	0.2	0.2	0.3	<0.1	47.8	0.93	0.22	0.04	6	0.48	0.192
1080587	Soil	1.36	8.10	7.15	63.3	1398	3.2	1.6	2241	0.19	<0.1	<0.1	<0.2	<0.1	21.1	0.73	0.12	0.04	3	0.39	0.145
1080588	Soil	1.24	4.90	4.87	36.2	380	2.4	0.9	251	0.09	0.3	<0.1	4.4	<0.1	9.7	0.70	0.16	0.09	<2	0.18	0.100
1080589	Soil	1.57	29.73	7.22	44.2	654	16.1	11.2	964	1.07	1.6	0.4	1.3	<0.1	59.8	0.77	0.40	0.08	14	0.77	0.138
1080590	Soil	1.35	6.40	4.09	45.9	508	2.5	1.0	419	0.07	<0.1	<0.1	1.0	<0.1	17.1	0.96	0.10	0.05	<2	0.29	0.107
1080591	Soil	2.01	6.02	4.63	51.9	150	3.1	1.3	913	0.12	<0.1	<0.1	0.7	<0.1	21.1	0.68	0.08	0.04	<2	0.48	0.116
1080592	Soil	1.22	10.29	4.31	67.0	438	2.5	1.0	764	0.12	<0.1	<0.1	<0.2	<0.1	14.2	1.04	0.10	0.04	<2	0.43	0.108
1080593	Soil	1.65	6.00	5.19	35.7	216	3.8	1.1	324	0.14	<0.1	<0.1	<0.2	<0.1	27.6	1.99	0.11	0.04	3	0.46	0.091
1080594	Soil	1.64	7.36	3.91	44.7	128	2.8	0.9	502	0.11	<0.1	<0.1	<0.2	<0.1	21.3	1.04	0.11	0.03	<2	0.43	0.114
1080595	Soil	1.40	19.72	5.50	51.5	294	10.1	2.6	84	0.65	1.0	0.3	0.4	0.2	61.3	0.84	0.19	0.06	13	0.70	0.109
1080596	Soil	1.65	6.32	5.87	48.1	79	4.8	2.7	418	0.30	0.6	<0.1	1.4	<0.1	17.3	0.60	0.13	0.04	5	0.27	0.122
1080597	Soil	0.92	16.10	5.43	43.6	706	7.8	3.4	283	0.78	1.2	<0.1	1.2	<0.1	23.0	0.44	0.18	0.04	17	0.27	0.087
1080598	Soil	1.07	17.42	5.55	49.2	752	10.3	15.1	2319	0.73	1.1	0.1	6.2	<0.1	54.9	0.69	0.19	0.05	12	0.63	0.106
1080599	Soil	0.86	12.25	5.29	42.4	696	7.7	3.5	325	0.64	1.0	<0.1	0.6	<0.1	20.7	0.40	0.15	0.05	15	0.33	0.077
1080600	Soil	0.77	14.49	3.95	31.7	555	9.3	4.7	209	1.05	1.1	0.2	1.6	<0.1	27.4	0.35	0.12	0.03	12	0.32	0.107
1080601	Soil	0.89	11.59	4.80	66.4	236	7.8	3.5	1006	0.63	1.4	<0.1	<0.2	<0.1	40.9	1.74	0.17	0.05	16	0.68	0.093
1080602	Soil	1.05	7.10	6.33	104.6	301	4.7	2.0	3352	0.25	0.4	<0.1	0.9	<0.1	31.7	0.72	0.12	0.05	4	0.71	0.104
1080603	Soil	1.33	8.87	4.95	61.5	674	2.9	1.1	1513	0.17	<0.1	<0.1	<0.2	<0.1	30.3	1.24	0.17	0.04	3	0.50	0.104
1080604	Soil	4.99	49.55	6.42	66.7	713	25.9	16.5	5002	2.53	7.1	3.2	1.7	0.2	105.2	2.27	0.47	0.09	57	1.51	0.177
1080605	Soil	1.04	8.83	4.78	59.8	680	4.0	1.2	476	0.20	0.4	<0.1	0.8	<0.1	31.6	0.87	0.11	0.03	5	0.56	0.102
1080606	Soil	1.04	6.72	4.74	35.1	414	3.1	1.0	232	0.18	0.3	<0.1	0.3	<0.1	24.4	0.58	0.14	0.03	3	0.38	0.113
1080607	Soil	0.78	7.17	3.48	47.5	338	2.7	1.0	237	0.12	0.2	<0.1	<0.2	<0.1	22.5	0.52	0.08	0.02	<2	0.37	0.111
1080608	Soil	1.03	13.29	3.38	21.0	601	5.3	3.5	169	0.80	0.6	0.3	1.1	<0.1	29.0	0.34	0.16	0.03	8	0.25	0.153
1080609	Soil	1.14	8.38	6.48	43.7	368	5.7	2.4	823	0.32	0.4	<0.1	4.0	<0.1	32.6	0.96	0.16	0.05	7	0.38	0.101
1080610	Soil	1.21	12.21	6.65	44.3	389	8.4	3.0	104	0.47	0.8	<0.1	2.3	<0.1	28.9	0.37	0.17	0.06	9	0.34	0.107

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

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Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
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CERTIFICATE OF ANALYSIS VAN11003926.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
1080581	Soil	<0.5	3.6	0.08	94.6	0.006	5	0.15	0.008	0.10	<0.1	0.6	0.06	0.08	238	0.2	<0.02	0.3	0.19	<0.1	<0.02
1080582	Soil	1.3	4.0	0.19	95.6	0.004	4	0.14	0.008	0.14	<0.1	0.6	0.04	0.11	122	0.2	<0.02	0.3	0.26	<0.1	<0.02
1080583	Soil	1.0	3.6	0.24	69.9	0.003	5	0.13	0.006	0.07	<0.1	0.6	0.04	0.11	210	0.4	0.04	0.2	0.13	<0.1	<0.02
1080584	Soil	<0.5	3.8	0.21	38.5	0.002	8	0.05	0.010	0.11	<0.1	0.4	<0.02	0.09	142	0.1	0.03	0.1	0.11	<0.1	<0.02
1080585	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1080586	Soil	6.0	6.2	0.13	218.0	0.012	5	0.57	0.006	0.12	<0.1	1.3	0.06	0.11	216	0.3	<0.02	0.9	0.22	<0.1	<0.02
1080587	Soil	0.9	4.2	0.09	102.9	0.009	4	0.25	0.008	0.08	<0.1	0.6	0.07	0.09	204	0.2	0.03	0.5	0.20	<0.1	<0.02
1080588	Soil	<0.5	2.3	0.05	36.6	0.003	2	0.18	0.006	0.07	<0.1	0.4	0.06	0.07	216	0.3	<0.02	0.2	0.12	<0.1	<0.02
1080589	Soil	13.4	13.7	0.23	209.3	0.012	2	0.99	0.006	0.09	<0.1	1.0	0.05	0.09	217	0.3	<0.02	2.2	0.29	<0.1	<0.02
1080590	Soil	<0.5	2.2	0.07	29.2	0.003	3	0.12	0.006	0.09	<0.1	0.4	<0.02	0.10	208	0.5	<0.02	0.1	0.09	<0.1	<0.02
1080591	Soil	<0.5	2.8	0.09	76.8	0.004	3	0.17	0.006	0.08	<0.1	0.2	0.03	0.11	210	0.3	<0.02	0.3	0.07	<0.1	<0.02
1080592	Soil	<0.5	2.4	0.09	33.3	0.003	5	0.17	0.007	0.08	<0.1	0.4	0.04	0.11	217	0.3	<0.02	0.2	0.10	<0.1	<0.02
1080593	Soil	0.9	3.2	0.12	37.1	0.005	4	0.14	0.007	0.07	<0.1	0.4	0.03	0.13	253	0.5	<0.02	0.3	0.09	<0.1	<0.02
1080594	Soil	<0.5	2.8	0.10	44.5	0.004	4	0.12	0.008	0.08	<0.1	0.4	0.03	0.12	222	0.5	<0.02	0.2	0.08	<0.1	<0.02
1080595	Soil	4.6	11.4	0.18	208.1	0.011	2	0.52	0.007	0.08	<0.1	1.6	0.02	0.09	204	0.4	<0.02	1.4	0.26	<0.1	0.03
1080596	Soil	0.6	5.3	0.08	67.7	0.008	2	0.26	0.006	0.11	<0.1	0.6	0.07	0.09	256	0.5	<0.02	0.5	0.25	<0.1	<0.02
1080597	Soil	2.2	9.2	0.21	72.1	0.013	2	0.48	0.009	0.08	<0.1	0.4	0.05	0.07	155	0.3	<0.02	1.4	0.26	<0.1	<0.02
1080598	Soil	4.7	8.5	0.19	157.5	0.011	2	0.57	0.010	0.06	<0.1	0.5	0.04	0.09	179	0.3	<0.02	1.4	0.17	<0.1	<0.02
1080599	Soil	2.3	9.5	0.18	75.4	0.016	2	0.59	0.008	0.06	<0.1	0.6	0.04	0.07	186	0.2	<0.02	1.7	0.19	<0.1	<0.02
1080600	Soil	6.0	6.7	0.11	105.0	0.005	2	0.58	0.008	0.05	<0.1	0.4	0.02	0.08	161	0.2	<0.02	1.0	0.13	<0.1	<0.02
1080601	Soil	1.5	11.6	0.18	89.6	0.019	5	0.32	0.007	0.11	<0.1	0.9	<0.02	0.09	199	0.4	<0.02	1.0	0.18	<0.1	<0.02
1080602	Soil	0.9	4.8	0.10	144.4	0.010	4	0.27	0.006	0.09	<0.1	0.5	0.05	0.11	369	0.3	<0.02	0.9	0.13	<0.1	<0.02
1080603	Soil	0.6	4.0	0.09	103.9	0.007	5	0.16	0.008	0.11	<0.1	0.4	0.03	0.11	318	0.5	<0.02	0.5	0.13	<0.1	<0.02
1080604	Soil	21.0	37.3	0.37	283.9	0.022	2	1.64	0.007	0.09	0.2	3.3	0.15	0.12	242	1.6	0.04	3.4	0.56	<0.1	<0.02
1080605	Soil	0.6	4.9	0.11	93.2	0.007	5	0.20	0.006	0.10	<0.1	0.6	0.03	0.12	288	0.5	<0.02	0.5	0.09	<0.1	<0.02
1080606	Soil	0.7	3.3	0.09	78.1	0.006	3	0.21	0.006	0.09	<0.1	0.5	0.06	0.11	291	0.5	<0.02	0.4	0.14	<0.1	<0.02
1080607	Soil	0.6	2.8	0.07	54.7	0.004	3	0.22	0.007	0.08	<0.1	0.4	0.05	0.11	256	0.4	<0.02	0.3	0.13	<0.1	<0.02
1080608	Soil	3.8	6.2	0.08	95.4	0.009	2	0.45	0.014	0.07	<0.1	1.1	0.02	0.09	226	0.3	<0.02	0.8	0.16	<0.1	<0.02
1080609	Soil	1.7	6.4	0.12	117.4	0.010	2	0.34	0.008	0.07	<0.1	0.4	0.07	0.09	233	0.3	<0.02	0.9	0.18	<0.1	<0.02
1080610	Soil	3.2	7.8	0.12	131.1	0.014	2	0.59	0.007	0.06	<0.1	0.8	0.04	0.09	227	0.5	<0.02	1.5	0.24	<0.1	<0.02

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Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1080581	Soil	0.05	5.3	0.1	<0.05	0.3	0.23	0.7	<0.02	<1	<0.1	0.3	<10	<2
1080582	Soil	0.05	5.7	<0.1	<0.05	0.3	1.40	2.1	<0.02	<1	0.1	0.4	<10	<2
1080583	Soil	0.05	2.0	<0.1	<0.05	0.4	1.91	1.6	<0.02	2	<0.1	0.2	<10	<2
1080584	Soil	0.04	2.9	<0.1	<0.05	0.2	0.47	0.5	<0.02	<1	<0.1	0.2	<10	<2
1080585	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1080586	Soil	0.13	3.5	0.1	<0.05	0.2	4.11	12.7	<0.02	1	0.2	0.9	<10	<2
1080587	Soil	0.10	3.5	0.2	<0.05	0.2	0.38	1.6	<0.02	<1	<0.1	0.5	<10	<2
1080588	Soil	0.04	2.2	0.2	<0.05	<0.1	0.17	0.6	0.02	2	<0.1	0.2	<10	<2
1080589	Soil	0.31	3.4	0.3	<0.05	0.3	10.59	23.3	<0.02	<1	0.3	2.5	<10	<2
1080590	Soil	0.03	1.9	0.1	<0.05	0.1	0.23	0.6	<0.02	2	<0.1	0.1	<10	<2
1080591	Soil	0.03	1.0	0.2	<0.05	0.1	0.21	0.7	<0.02	<1	<0.1	0.3	<10	<2
1080592	Soil	0.03	1.5	0.1	<0.05	<0.1	0.22	0.6	<0.02	1	<0.1	0.2	<10	<2
1080593	Soil	0.05	1.7	0.3	<0.05	0.2	0.45	1.2	<0.02	<1	<0.1	0.3	<10	<2
1080594	Soil	0.04	1.2	0.2	<0.05	0.1	0.22	0.7	<0.02	<1	<0.1	0.3	<10	<2
1080595	Soil	0.23	3.1	0.2	<0.05	1.0	4.19	4.8	<0.02	<1	0.2	2.0	<10	<2
1080596	Soil	0.09	3.8	0.2	<0.05	0.2	0.34	1.1	<0.02	<1	<0.1	0.4	<10	<2
1080597	Soil	0.20	3.7	0.3	<0.05	0.2	1.83	4.3	<0.02	1	<0.1	2.0	<10	<2
1080598	Soil	0.19	2.3	0.2	<0.05	0.1	3.99	9.3	<0.02	<1	0.2	1.2	<10	<2
1080599	Soil	0.29	2.6	0.3	<0.05	0.2	1.47	4.2	<0.02	<1	0.1	1.9	<10	<2
1080600	Soil	0.13	1.7	0.1	<0.05	<0.1	4.27	10.5	<0.02	1	0.3	0.7	<10	<2
1080601	Soil	0.19	3.1	0.1	<0.05	0.3	0.84	2.5	<0.02	<1	<0.1	1.1	<10	<2
1080602	Soil	0.13	3.4	0.1	<0.05	0.2	0.49	1.6	<0.02	<1	<0.1	0.6	<10	<2
1080603	Soil	0.05	1.9	0.1	<0.05	0.2	0.28	0.9	<0.02	<1	<0.1	0.3	<10	<2
1080604	Soil	0.51	5.3	0.2	<0.05	0.5	18.79	40.1	<0.02	3	0.5	6.6	<10	<2
1080605	Soil	0.08	1.6	0.1	<0.05	0.2	0.36	1.1	<0.02	1	<0.1	0.4	<10	<2
1080606	Soil	0.05	2.5	<0.1	<0.05	0.1	0.34	1.1	<0.02	<1	<0.1	0.2	<10	<2
1080607	Soil	0.03	2.5	<0.1	<0.05	0.1	0.43	1.1	<0.02	1	<0.1	0.1	<10	<2
1080608	Soil	0.12	2.2	0.2	<0.05	<0.1	2.23	6.7	<0.02	2	0.1	0.4	<10	<2
1080609	Soil	0.15	3.4	0.1	<0.05	0.1	1.17	3.1	<0.02	<1	0.1	0.9	<10	<2
1080610	Soil	0.19	2.4	0.2	<0.05	<0.1	2.06	5.9	<0.02	<1	0.2	0.9	<10	<2

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

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Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: September 04, 2011

CERTIFICATE OF ANALYSIS VAN11003926.1

		Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1080611	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080612	Soil		1.10	8.31	6.86	52.1	169	5.3	1.8	218	0.29	0.5	<0.1	0.8	<0.1	21.7	0.87	0.16	0.05	8	0.39	0.094
1080613	Soil		1.10	10.45	6.66	49.1	276	7.9	2.8	415	0.37	0.4	<0.1	1.3	<0.1	26.5	0.54	0.20	0.05	8	0.37	0.099
1080614	Soil		0.83	13.59	6.02	39.5	271	9.0	5.3	266	0.65	0.7	0.1	24.1	<0.1	33.5	0.93	0.23	0.06	15	0.33	0.088
1080615	Soil		1.15	9.34	7.22	49.7	190	6.5	2.9	367	0.46	0.8	<0.1	5.6	<0.1	24.6	0.55	0.18	0.06	12	0.34	0.092
1080616	Soil		1.08	26.33	6.24	49.2	797	13.6	5.8	493	1.09	1.7	0.2	1.4	0.1	32.7	0.45	0.29	0.05	22	0.40	0.105
1080617	Soil		0.98	11.41	6.82	64.4	316	6.3	2.0	726	0.55	0.8	<0.1	0.5	<0.1	20.3	0.95	0.17	0.04	14	0.40	0.104
1080618	Soil		1.14	10.35	6.60	78.3	401	5.6	2.4	1225	0.56	0.8	<0.1	1.7	0.1	26.7	1.01	0.19	0.05	14	0.55	0.119
1080619	Soil		1.04	33.21	5.30	41.5	943	12.4	10.1	898	0.87	1.5	0.5	2.0	<0.1	54.7	0.65	0.39	0.05	22	0.74	0.101
1080620	Soil		1.02	21.49	5.61	35.8	673	12.8	14.1	518	1.29	1.9	0.3	2.1	<0.1	26.1	0.43	0.34	0.05	32	0.27	0.081
1080621	Soil		1.14	43.49	6.72	155.4	500	9.6	5.4	2819	1.03	1.1	0.1	0.6	0.2	43.8	2.72	0.17	0.08	28	1.05	0.084
1080622	Soil		1.03	20.57	5.22	186.9	463	12.8	6.5	3149	0.92	1.4	0.1	0.8	<0.1	52.7	2.53	0.16	0.05	23	1.16	0.105
1080623	Soil		1.47	17.77	5.50	179.9	522	7.8	4.6	3151	0.41	0.7	<0.1	0.9	0.1	87.5	2.54	0.13	0.05	9	1.75	0.097
1080624	Soil		1.41	37.33	8.20	122.2	482	13.4	11.6	2851	1.48	1.5	0.1	0.8	0.1	45.0	3.66	0.20	0.18	36	0.80	0.094
1080625	Soil		1.16	31.79	8.51	108.7	339	10.5	8.5	1812	1.28	2.0	0.1	1.6	<0.1	45.2	2.58	0.19	0.18	30	0.79	0.095
1080626	Soil		1.32	10.99	8.14	101.3	448	5.0	4.0	1406	0.56	0.8	<0.1	0.3	<0.1	32.0	1.99	0.15	0.17	15	0.62	0.087
1080627	Soil		0.83	12.18	6.35	294.0	376	9.3	5.4	3925	0.66	1.5	<0.1	1.2	<0.1	124.9	4.71	0.16	0.11	15	2.45	0.100
1080628	Soil		1.35	10.01	6.58	100.9	413	3.7	1.5	274	0.10	0.5	<0.1	<0.2	0.2	73.4	3.58	0.09	0.17	<2	1.37	0.095
1080629	Soil		1.19	10.72	6.70	180.8	300	3.6	1.5	1036	0.09	0.6	<0.1	<0.2	0.2	93.1	4.92	0.09	0.13	<2	1.70	0.107
1080630	Soil		1.11	6.23	6.83	137.5	365	4.5	1.7	2649	0.08	0.5	<0.1	<0.2	0.1	50.4	2.20	0.11	0.11	<2	0.99	0.120
1080631	Soil		1.28	13.38	6.56	95.3	799	5.0	3.2	2799	0.30	0.9	<0.1	<0.2	<0.1	46.0	1.25	0.13	0.11	6	0.97	0.113
1080632	Soil		1.36	23.34	5.46	80.3	1005	7.7	6.2	1551	0.69	1.5	0.3	1.9	<0.1	57.0	1.17	0.13	0.11	14	0.96	0.125
1080633	Soil		1.63	22.37	2.74	23.2	227	5.1	1.5	256	0.23	1.2	0.4	<0.2	0.1	128.1	0.67	0.20	0.09	3	2.45	0.107
1080634	Soil		1.68	12.42	3.52	75.8	61	2.0	0.3	250	0.05	0.8	<0.1	<0.2	<0.1	140.9	0.81	0.08	0.05	<2	2.56	0.084
1080635	Soil		1.54	30.01	3.46	30.6	215	7.4	6.2	422	0.53	2.5	0.4	<0.2	0.1	101.0	1.55	0.63	0.06	5	1.95	0.129
1080636	Soil		1.35	25.48	5.48	27.5	450	8.0	3.3	362	0.49	1.8	0.3	<0.2	<0.1	84.4	1.56	0.23	0.06	8	1.93	0.115
1080637	Soil		1.33	40.15	8.94	136.8	809	12.0	7.3	2693	0.86	1.6	0.3	<0.2	<0.1	128.8	0.92	0.30	0.07	15	2.54	0.163
1080638	Soil		1.47	94.21	9.24	66.8	905	22.7	16.5	1216	2.72	4.2	0.8	1.5	<0.1	53.7	0.48	0.34	0.08	56	0.70	0.146
1080639	Soil		0.81	17.78	4.23	22.5	382	5.2	2.5	161	0.26	0.5	0.2	<0.2	<0.1	73.2	0.33	0.20	0.03	3	1.03	0.123
1080640	Soil		1.19	45.99	3.85	46.2	74	18.4	7.8	1335	1.55	3.0	0.6	1.3	0.2	78.3	0.39	0.30	0.04	38	1.14	0.118

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

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Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

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CERTIFICATE OF ANALYSIS VAN11003926.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
1080611	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080612	Soil	1.3	6.2	0.11	64.6	0.015	1	0.40	0.008	0.08	<0.1	0.7	0.05	0.09	254	0.5	<0.02	1.0	0.18	<0.1	<0.02
1080613	Soil	2.4	7.7	0.12	92.3	0.015	3	0.48	0.008	0.06	<0.1	0.8	0.05	0.09	278	0.4	<0.02	1.2	0.19	<0.1	<0.02
1080614	Soil	5.0	9.6	0.16	126.8	0.023	2	0.73	0.008	0.07	<0.1	0.9	0.05	0.07	145	0.3	<0.02	2.0	0.28	<0.1	<0.02
1080615	Soil	2.4	8.8	0.13	90.5	0.012	2	0.55	0.007	0.07	<0.1	0.3	0.04	0.08	174	0.3	<0.02	1.5	0.22	<0.1	<0.02
1080616	Soil	4.7	14.3	0.28	101.5	0.022	2	0.81	0.009	0.08	<0.1	1.3	0.04	0.08	204	0.4	<0.02	2.4	0.27	<0.1	<0.02
1080617	Soil	1.3	8.5	0.12	99.5	0.016	4	0.33	0.006	0.09	<0.1	0.7	0.04	0.09	180	0.3	<0.02	1.2	0.19	<0.1	<0.02
1080618	Soil	1.3	8.1	0.13	99.9	0.019	3	0.31	0.006	0.10	<0.1	0.8	0.04	0.10	290	0.3	<0.02	1.1	0.24	<0.1	<0.02
1080619	Soil	8.8	14.6	0.24	155.6	0.020	2	0.76	0.007	0.06	<0.1	1.1	0.04	0.08	182	0.5	<0.02	2.2	0.30	<0.1	<0.02
1080620	Soil	5.5	17.0	0.23	108.1	0.030	2	0.88	0.007	0.05	0.1	1.2	0.05	0.05	109	0.3	0.05	2.7	0.42	<0.1	<0.02
1080621	Soil	3.2	13.8	0.13	281.6	0.040	8	0.43	0.007	0.11	0.1	1.0	0.04	0.08	219	0.3	<0.02	2.3	0.31	<0.1	<0.02
1080622	Soil	2.7	12.5	0.22	295.0	0.026	5	0.50	0.006	0.10	<0.1	0.8	0.03	0.08	256	0.3	0.02	1.8	0.27	<0.1	<0.02
1080623	Soil	1.2	7.4	0.15	412.1	0.016	9	0.23	0.008	0.07	<0.1	0.8	0.04	0.12	316	0.4	<0.02	0.9	0.26	<0.1	<0.02
1080624	Soil	2.8	18.2	0.20	245.4	0.028	3	0.61	0.007	0.10	0.1	0.8	0.03	0.05	178	0.2	0.02	2.9	0.38	<0.1	<0.02
1080625	Soil	2.2	16.2	0.16	178.2	0.027	5	0.57	0.005	0.10	<0.1	0.7	<0.02	0.08	128	0.2	<0.02	2.5	0.34	<0.1	<0.02
1080626	Soil	1.5	8.5	0.10	103.0	0.020	6	0.32	0.005	0.09	<0.1	0.4	0.02	0.10	249	0.2	<0.02	1.4	0.22	<0.1	<0.02
1080627	Soil	1.3	10.0	0.16	460.3	0.019	18	0.38	0.005	0.09	<0.1	0.5	0.03	0.12	322	0.2	<0.02	1.5	0.22	<0.1	<0.02
1080628	Soil	<0.5	3.0	0.09	50.7	0.003	6	0.06	0.005	0.11	<0.1	0.2	<0.02	0.16	200	0.2	<0.02	0.2	0.16	<0.1	<0.02
1080629	Soil	<0.5	2.5	0.08	130.0	0.003	8	0.06	0.011	0.10	<0.1	0.2	<0.02	0.15	298	0.1	<0.02	0.3	0.13	<0.1	0.03
1080630	Soil	<0.5	2.7	0.06	217.2	0.003	7	0.12	0.007	0.14	<0.1	0.3	0.03	0.14	322	0.4	<0.02	0.2	0.07	<0.1	<0.02
1080631	Soil	1.1	5.2	0.10	197.0	0.011	5	0.22	0.008	0.07	<0.1	0.3	0.06	0.13	401	0.2	0.03	0.9	0.27	<0.1	<0.02
1080632	Soil	4.1	10.7	0.18	232.6	0.015	5	0.50	0.009	0.15	<0.1	0.4	0.06	0.10	244	0.3	<0.02	1.7	0.36	<0.1	<0.02
1080633	Soil	5.0	3.9	0.13	64.5	0.004	7	0.31	0.012	0.03	<0.1	0.5	0.03	0.19	292	0.4	<0.02	0.3	0.08	<0.1	0.03
1080634	Soil	<0.5	2.1	0.08	94.9	0.001	9	0.05	0.010	0.10	<0.1	0.1	<0.02	0.19	372	0.3	<0.02	0.1	0.05	<0.1	<0.02
1080635	Soil	6.1	5.3	0.09	71.4	0.006	5	0.74	0.013	0.06	<0.1	0.7	0.03	0.20	206	0.5	0.02	0.5	0.16	<0.1	<0.02
1080636	Soil	3.3	7.5	0.11	79.8	0.009	4	0.38	0.008	0.07	<0.1	0.6	0.03	0.17	210	0.5	0.03	0.9	0.29	<0.1	<0.02
1080637	Soil	7.3	11.0	0.19	324.7	0.009	7	0.73	0.008	0.12	<0.1	0.5	0.08	0.14	426	0.3	<0.02	1.8	0.56	<0.1	<0.02
1080638	Soil	12.2	32.7	0.48	214.3	0.030	1	2.09	0.006	0.13	0.2	2.0	0.06	0.08	239	0.3	<0.02	5.7	0.97	<0.1	<0.02
1080639	Soil	5.7	3.4	0.10	128.9	0.005	4	0.30	0.011	0.07	<0.1	0.7	0.03	0.15	322	0.3	0.02	0.3	0.09	<0.1	<0.02
1080640	Soil	8.8	24.4	0.46	156.0	0.042	6	1.00	0.012	0.12	0.2	2.3	0.07	0.11	200	0.2	<0.02	2.8	0.60	<0.1	<0.02

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Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1080611	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1080612	Soil	0.18	3.4	0.2	<0.05	0.2	0.73	2.3	<0.02	<1	0.1	0.8	<10	<2
1080613	Soil	0.17	2.5	0.2	<0.05	0.2	1.71	4.2	<0.02	1	<0.1	0.7	<10	<2
1080614	Soil	0.31	4.1	0.2	<0.05	0.1	3.38	9.1	<0.02	1	0.2	1.8	<10	<2
1080615	Soil	0.22	3.5	0.2	<0.05	0.1	1.42	4.2	<0.02	<1	<0.1	1.5	<10	<2
1080616	Soil	0.28	3.6	0.2	<0.05	0.2	3.41	8.6	<0.02	<1	0.1	2.9	<10	<2
1080617	Soil	0.18	2.2	0.1	<0.05	<0.1	0.88	2.5	<0.02	<1	<0.1	0.9	<10	<2
1080618	Soil	0.21	4.6	0.1	<0.05	0.2	0.71	2.3	<0.02	<1	<0.1	1.5	<10	<2
1080619	Soil	0.28	9.2	0.1	<0.05	0.2	5.97	15.1	<0.02	<1	0.3	2.2	<10	<2
1080620	Soil	0.29	6.3	0.2	<0.05	0.1	3.74	9.9	<0.02	<1	0.4	2.3	<10	<2
1080621	Soil	0.53	7.2	0.2	<0.05	0.5	1.64	5.3	<0.02	<1	<0.1	2.0	<10	<2
1080622	Soil	0.35	7.1	0.1	<0.05	0.3	1.70	5.3	<0.02	<1	0.1	2.9	<10	<2
1080623	Soil	0.16	6.3	<0.1	<0.05	0.3	0.67	2.2	<0.02	1	<0.1	1.0	<10	<2
1080624	Soil	0.48	12.8	0.3	<0.05	0.4	1.38	5.8	<0.02	<1	0.3	2.9	<10	<2
1080625	Soil	0.58	8.1	0.4	<0.05	0.5	1.11	4.7	<0.02	<1	<0.1	2.4	<10	<2
1080626	Soil	0.34	5.7	0.4	<0.05	0.4	0.71	3.0	<0.02	<1	<0.1	1.3	<10	<2
1080627	Soil	0.29	4.7	0.3	<0.05	0.3	0.74	2.8	<0.02	<1	<0.1	1.6	<10	<2
1080628	Soil	0.07	3.6	0.5	<0.05	0.4	0.17	0.6	0.03	<1	<0.1	0.1	<10	<2
1080629	Soil	0.05	3.3	0.5	<0.05	0.4	0.19	0.6	0.03	<1	<0.1	0.2	<10	<2
1080630	Soil	0.06	2.5	0.4	<0.05	0.3	0.19	0.7	0.05	<1	<0.1	0.2	<10	<2
1080631	Soil	0.15	4.8	0.4	<0.05	0.1	0.47	2.1	0.03	<1	<0.1	0.8	<10	<2
1080632	Soil	0.31	8.4	0.4	<0.05	0.1	2.17	7.7	0.02	<1	<0.1	1.9	<10	<2
1080633	Soil	0.08	1.1	0.2	<0.05	0.5	5.27	8.5	<0.02	<1	0.2	0.2	<10	<2
1080634	Soil	0.03	2.1	0.3	<0.05	0.3	0.38	0.5	<0.02	<1	<0.1	<0.1	<10	<2
1080635	Soil	0.10	4.1	0.4	<0.05	0.5	5.15	14.4	0.03	<1	0.2	0.5	<10	<2
1080636	Soil	0.16	5.9	0.3	<0.05	0.4	2.44	6.1	<0.02	<1	0.1	1.0	<10	<2
1080637	Soil	0.25	7.0	0.2	<0.05	<0.1	5.04	14.3	<0.02	<1	0.6	2.0	<10	<2
1080638	Soil	0.67	14.0	0.3	<0.05	0.2	7.34	21.5	<0.02	<1	1.1	7.6	<10	<2
1080639	Soil	0.07	1.5	0.2	<0.05	0.3	4.23	9.8	<0.02	<1	0.2	0.3	<10	<2
1080640	Soil	0.63	8.2	0.1	<0.05	0.7	7.46	17.2	<0.02	<1	0.2	6.3	<10	<2

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: September 04, 2011

CERTIFICATE OF ANALYSIS VAN11003926.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1080641	Soil	1.25	9.50	6.99	89.7	405	5.7	1.9	2845	0.17	0.4	<0.1	<0.2	<0.1	58.6	0.54	0.17	<0.02	<2	0.99	0.144
1080642	Soil	1.82	7.86	10.89	135.8	467	5.7	3.7	6181	0.24	0.6	<0.1	<0.2	<0.1	66.9	0.77	0.18	<0.02	<2	1.75	0.151
1080643	Soil	1.66	21.01	10.13	89.4	704	10.5	6.8	6177	0.81	1.4	0.2	0.3	<0.1	59.3	0.83	0.23	0.04	15	1.14	0.123
1080644	Soil	1.58	12.17	8.01	50.9	690	5.5	2.3	1395	0.35	0.7	0.1	<0.2	<0.1	38.2	0.48	0.20	0.02	7	0.56	0.143
1080645	Soil	1.90	8.68	9.16	115.5	669	5.2	3.0	6186	0.29	0.7	<0.1	0.5	<0.1	40.9	0.90	0.13	0.03	3	0.80	0.164
1080646	Soil	1.66	19.89	8.26	108.2	1183	11.5	21.9	7342	0.70	1.3	0.2	0.3	<0.1	78.1	1.29	0.20	0.04	10	1.04	0.124
1080647	Soil	1.19	18.96	9.04	46.8	1930	9.3	5.7	124	0.31	0.8	0.2	<0.2	<0.1	73.7	0.75	0.22	<0.02	6	0.56	0.121
1080648	Soil	1.00	16.60	8.42	62.2	1530	6.6	3.0	1105	0.31	0.8	0.2	<0.2	<0.1	40.9	0.82	0.14	<0.02	7	0.43	0.120
1080649	Soil	1.16	14.55	5.48	29.2	1900	5.8	6.3	429	0.46	1.1	0.2	<0.2	<0.1	38.5	0.43	0.14	<0.02	9	0.32	0.172
1080650	Soil	1.40	22.60	6.56	29.4	5642	5.9	3.3	555	0.59	1.0	0.3	0.4	<0.1	26.6	0.27	0.14	<0.02	5	0.25	0.215
1080691	Soil	1.54	11.67	8.20	48.5	695	5.5	4.9	1453	0.46	1.1	0.1	0.3	<0.1	35.9	0.43	0.21	0.02	10	0.54	0.106
1080692	Soil	1.04	7.12	8.41	40.6	511	5.1	2.0	257	0.22	0.8	<0.1	0.2	<0.1	36.4	0.37	0.14	<0.02	4	0.46	0.093
1080693	Soil	1.45	11.37	8.84	53.3	555	6.4	2.6	289	0.53	1.2	<0.1	2.6	<0.1	27.7	0.35	0.16	<0.02	10	0.36	0.083
1080694	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1080695	Soil	1.57	19.08	8.07	46.5	974	8.9	14.6	2600	0.81	1.3	0.2	0.9	0.3	50.2	0.53	0.27	0.23	12	0.66	0.112
1080696	Soil	1.59	20.41	7.63	73.4	790	10.7	21.1	7235	0.88	1.1	0.3	0.7	<0.1	35.5	0.67	0.20	0.04	9	0.48	0.122
1080697	Soil	1.81	13.92	4.78	54.5	623	6.7	3.3	780	0.44	1.0	0.1	<0.2	<0.1	34.3	0.48	0.16	<0.02	4	0.60	0.146
1080698	Soil	1.83	23.18	6.42	58.1	793	8.6	5.0	269	0.68	1.1	0.3	0.9	<0.1	30.5	0.43	0.17	<0.02	7	0.33	0.154
1080699	Soil	1.96	22.30	6.14	49.9	595	9.4	7.0	977	0.50	1.1	0.2	1.7	<0.1	44.4	0.42	0.22	<0.02	4	0.53	0.134
1080700	Soil	1.43	16.61	3.36	47.9	462	7.4	5.7	290	0.62	1.3	0.2	1.0	<0.1	41.6	0.24	0.20	<0.02	7	0.49	0.109

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: September 04, 2011

CERTIFICATE OF ANALYSIS VAN11003926.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
1080641	Soil	2.5	3.8	0.08	302.9	0.006	5	0.16	0.006	0.16	<0.1	0.5	0.05	0.14	474	0.4	<0.02	0.5	0.37	<0.1	<0.02
1080642	Soil	1.1	4.1	0.08	493.1	0.009	6	0.18	0.006	0.16	<0.1	0.4	0.13	0.13	466	0.4	0.05	0.7	0.54	<0.1	<0.02
1080643	Soil	5.1	12.9	0.19	490.6	0.019	7	0.52	0.007	0.15	0.1	0.9	0.16	0.10	468	0.4	<0.02	2.2	0.55	<0.1	<0.02
1080644	Soil	2.6	6.8	0.10	213.2	0.009	2	0.26	0.006	0.14	<0.1	0.5	0.08	0.12	445	0.4	0.02	0.9	0.35	<0.1	<0.02
1080645	Soil	1.0	4.9	0.11	293.6	0.007	5	0.20	0.008	0.14	<0.1	0.2	0.16	0.13	423	0.1	<0.02	0.8	0.36	<0.1	<0.02
1080646	Soil	7.0	9.5	0.15	386.5	0.007	4	0.50	0.006	0.11	<0.1	0.4	0.13	0.10	432	0.3	<0.02	1.8	0.50	<0.1	<0.02
1080647	Soil	4.9	5.6	0.09	252.5	0.007	2	0.40	0.008	0.07	<0.1	0.4	0.04	0.12	342	0.4	<0.02	0.7	0.26	<0.1	<0.02
1080648	Soil	3.3	6.6	0.06	197.3	0.006	2	0.25	0.006	0.06	<0.1	0.2	0.13	0.10	404	0.2	<0.02	1.0	0.48	<0.1	<0.02
1080649	Soil	4.4	5.6	0.10	129.7	0.007	<1	0.44	0.007	0.12	<0.1	0.3	0.08	0.12	331	0.2	<0.02	1.0	0.28	<0.1	<0.02
1080650	Soil	3.5	5.7	0.07	152.4	0.005	2	0.66	0.007	0.11	<0.1	0.3	0.11	0.13	391	0.4	<0.02	0.9	0.39	<0.1	<0.02
1080691	Soil	2.9	7.3	0.10	210.6	0.011	2	0.43	0.007	0.09	<0.1	0.4	0.07	0.09	316	0.4	<0.02	1.5	0.20	<0.1	<0.02
1080692	Soil	1.2	3.9	0.07	161.3	0.005	2	0.28	0.006	0.07	<0.1	0.3	0.03	0.10	259	0.3	<0.02	0.5	0.12	<0.1	<0.02
1080693	Soil	2.5	7.6	0.08	165.5	0.013	3	0.50	0.008	0.06	<0.1	0.3	0.04	0.08	242	0.6	0.03	1.4	0.29	<0.1	<0.02
1080694	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1080695	Soil	6.5	10.8	0.14	235.5	0.007	3	0.71	0.008	0.09	<0.1	0.4	0.09	0.09	262	0.3	0.03	1.8	0.20	<0.1	<0.02
1080696	Soil	5.9	11.2	0.15	346.8	0.010	3	0.86	0.007	0.09	<0.1	0.6	0.17	0.09	309	0.4	0.04	2.0	0.27	<0.1	<0.02
1080697	Soil	3.9	5.4	0.08	162.0	0.008	4	0.44	0.004	0.11	<0.1	0.6	0.11	0.11	364	0.4	0.07	0.8	0.31	<0.1	<0.02
1080698	Soil	6.3	6.4	0.09	149.3	0.006	3	0.59	0.005	0.11	<0.1	0.4	0.05	0.09	264	0.6	0.03	1.2	0.25	<0.1	<0.02
1080699	Soil	6.2	5.5	0.09	213.2	0.008	1	0.57	0.004	0.08	<0.1	0.5	0.05	0.10	251	0.5	0.03	0.9	0.23	<0.1	<0.02
1080700	Soil	5.7	6.5	0.09	157.6	0.010	3	0.55	0.008	0.07	<0.1	0.6	0.03	0.08	235	0.5	0.04	1.2	0.16	<0.1	<0.02

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: September 04, 2011

CERTIFICATE OF ANALYSIS VAN11003926.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
MDL		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1080641	Soil	0.06	5.8	0.1	<0.05	0.2	2.10	4.4	<0.02	<1	0.2	0.4	<10	<2
1080642	Soil	0.10	6.0	0.1	<0.05	0.2	0.53	2.4	<0.02	<1	<0.1	0.7	<10	<2
1080643	Soil	0.32	8.0	0.2	<0.05	0.1	2.67	11.0	<0.02	<1	0.2	2.1	<10	<2
1080644	Soil	0.13	5.2	0.2	<0.05	<0.1	1.50	4.7	<0.02	<1	0.2	1.0	<10	<2
1080645	Soil	0.10	6.1	0.1	<0.05	<0.1	0.42	2.0	<0.02	<1	<0.1	0.9	<10	<2
1080646	Soil	0.20	10.8	0.1	<0.05	<0.1	4.98	16.7	<0.02	<1	0.3	1.6	<10	<2
1080647	Soil	0.11	4.9	<0.1	<0.05	<0.1	3.49	9.7	<0.02	<1	0.3	0.3	<10	<2
1080648	Soil	0.09	4.1	0.1	<0.05	<0.1	1.53	6.3	<0.02	<1	0.2	0.4	<10	<2
1080649	Soil	0.13	5.7	0.1	<0.05	<0.1	2.81	8.4	<0.02	<1	0.3	0.8	<10	<2
1080650	Soil	0.10	6.6	<0.1	<0.05	<0.1	1.85	6.2	<0.02	<1	0.3	0.5	<10	<2
1080691	Soil	0.23	3.5	0.1	<0.05	0.1	1.78	6.0	<0.02	<1	<0.1	1.0	<10	<2
1080692	Soil	0.08	1.6	0.1	<0.05	<0.1	0.85	2.4	<0.02	<1	<0.1	0.2	<10	<2
1080693	Soil	0.25	5.2	0.1	<0.05	<0.1	1.50	5.1	<0.02	<1	<0.1	1.2	<10	<2
1080694	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1080695	Soil	0.26	3.2	0.2	<0.05	0.3	4.78	14.1	<0.02	<1	0.4	1.7	<10	<2
1080696	Soil	0.22	5.2	0.1	<0.05	<0.1	4.07	12.8	<0.02	<1	0.2	2.1	<10	<2
1080697	Soil	0.09	6.2	<0.1	<0.05	<0.1	3.09	8.1	<0.02	1	0.2	0.5	<10	<2
1080698	Soil	0.14	4.0	<0.1	<0.05	<0.1	4.53	12.5	<0.02	3	0.3	0.7	<10	<2
1080699	Soil	0.09	2.8	<0.1	<0.05	<0.1	5.06	13.2	<0.02	<1	0.3	0.6	<10	<2
1080700	Soil	0.16	4.3	<0.1	<0.05	<0.1	4.76	11.5	<0.02	1	0.2	0.9	<10	<2

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: September 04, 2011

QUALITY CONTROL REPORT VAN11003926.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
Pulp Duplicates																					
1080556	Soil	0.91	7.46	6.49	92.8	380	2.6	1.0	1188	0.15	0.3	<0.1	<0.2	<0.1	47.5	1.13	0.13	0.04	3	0.99	0.128
REP 1080556	QC	1.03	7.92	6.74	98.8	402	3.3	1.1	1175	0.17	0.2	<0.1	0.2	<0.1	50.0	1.21	0.12	0.04	3	1.01	0.148
1080583	Soil	3.08	8.82	3.43	13.3	31	3.5	2.0	387	0.33	0.7	0.1	0.7	<0.1	92.1	0.80	0.23	<0.02	5	1.94	0.120
REP 1080583	QC	2.87	8.17	3.41	13.7	21	3.5	1.9	366	0.33	0.8	0.1	<0.2	<0.1	90.8	0.80	0.22	<0.02	5	1.90	0.113
1080594	Soil	1.64	7.36	3.91	44.7	128	2.8	0.9	502	0.11	<0.1	<0.1	<0.2	<0.1	21.3	1.04	0.11	0.03	<2	0.43	0.114
REP 1080594	QC	1.58	7.03	3.71	45.5	111	2.8	1.0	516	0.10	<0.1	<0.1	1.0	<0.1	20.7	0.91	0.10	0.03	<2	0.43	0.111
1080620	Soil	1.02	21.49	5.61	35.8	673	12.8	14.1	518	1.29	1.9	0.3	2.1	<0.1	26.1	0.43	0.34	0.05	32	0.27	0.081
REP 1080620	QC	0.91	20.87	5.22	33.9	586	12.6	12.4	474	1.29	2.0	0.3	2.7	<0.1	24.2	0.41	0.31	0.06	34	0.26	0.079
1080624	Soil	1.41	37.33	8.20	122.2	482	13.4	11.6	2851	1.48	1.5	0.1	0.8	0.1	45.0	3.66	0.20	0.18	36	0.80	0.094
REP 1080624	QC	1.42	39.71	8.19	123.3	478	14.1	12.6	2907	1.58	1.8	0.2	<0.2	0.1	50.8	3.63	0.22	0.10	41	0.85	0.096
1080648	Soil	1.00	16.60	8.42	62.2	1530	6.6	3.0	1105	0.31	0.8	0.2	<0.2	<0.1	40.9	0.82	0.14	<0.02	7	0.43	0.120
REP 1080648	QC	0.95	16.87	8.32	59.5	1531	6.3	3.0	1126	0.31	0.8	0.2	<0.2	<0.1	40.3	0.76	0.15	<0.02	7	0.44	0.122
Reference Materials																					
STD DS8	Standard	11.81	114.4	121.0	290.0	1746	38.8	7.7	556	2.34	24.2	2.6	108.0	6.5	55.1	2.39	5.12	6.29	38	0.65	0.077
STD DS8	Standard	12.43	115.1	115.4	306.4	1671	38.0	7.6	603	2.45	29.6	2.9	115.3	7.4	64.7	2.70	6.17	7.26	41	0.70	0.101
STD DS8	Standard	12.64	105.7	123.4	308.1	1817	37.9	7.7	596	2.42	24.9	2.5	106.6	5.5	56.3	2.34	3.55	5.97	36	0.65	0.077
STD DS8 Expected		13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: September 04, 2011

QUALITY CONTROL REPORT VAN11003926.1

Method		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
Pulp Duplicates																					
1080556	Soil	0.8	3.7	0.10	162.0	0.008	7	0.21	0.008	0.12	<0.1	0.4	0.09	0.11	297	0.2	<0.02	0.4	0.27	<0.1	<0.02
REP 1080556	QC	0.8	3.4	0.11	179.4	0.008	9	0.23	0.008	0.13	<0.1	0.5	0.10	0.11	299	0.3	<0.02	0.4	0.30	<0.1	<0.02
1080583	Soil	1.0	3.6	0.24	69.9	0.003	5	0.13	0.006	0.07	<0.1	0.6	0.04	0.11	210	0.4	0.04	0.2	0.13	<0.1	<0.02
REP 1080583	QC	0.9	3.4	0.23	68.9	0.003	4	0.12	0.006	0.07	<0.1	0.7	0.03	0.11	220	0.2	0.02	0.2	0.13	<0.1	<0.02
1080594	Soil	<0.5	2.8	0.10	44.5	0.004	4	0.12	0.008	0.08	<0.1	0.4	0.03	0.12	222	0.5	<0.02	0.2	0.08	<0.1	<0.02
REP 1080594	QC	<0.5	2.9	0.10	43.0	0.004	3	0.11	0.007	0.08	<0.1	0.3	0.03	0.12	230	0.3	<0.02	0.2	0.07	<0.1	<0.02
1080620	Soil	5.5	17.0	0.23	108.1	0.030	2	0.88	0.007	0.05	0.1	1.2	0.05	0.05	109	0.3	0.05	2.7	0.42	<0.1	<0.02
REP 1080620	QC	5.0	17.1	0.23	99.8	0.031	3	0.85	0.007	0.04	0.1	1.3	0.04	0.04	106	0.3	<0.02	2.9	0.42	<0.1	<0.02
1080624	Soil	2.8	18.2	0.20	245.4	0.028	3	0.61	0.007	0.10	0.1	0.8	0.03	0.05	178	0.2	0.02	2.9	0.38	<0.1	<0.02
REP 1080624	QC	3.6	20.8	0.21	248.1	0.049	5	0.69	0.007	0.11	0.2	1.2	0.04	0.06	193	0.3	0.02	3.2	0.53	<0.1	<0.02
1080648	Soil	3.3	6.6	0.06	197.3	0.006	2	0.25	0.006	0.06	<0.1	0.2	0.13	0.10	404	0.2	<0.02	1.0	0.48	<0.1	<0.02
REP 1080648	QC	3.4	6.4	0.06	203.7	0.006	2	0.24	0.006	0.06	<0.1	0.3	0.13	0.10	390	0.2	<0.02	0.9	0.47	<0.1	<0.02
Reference Materials																					
STD DS8	Standard	12.9	113.4	0.59	241.1	0.108	2	0.86	0.079	0.39	2.8	2.0	5.23	0.15	191	4.7	4.54	4.3	2.31	0.1	0.08
STD DS8	Standard	16.0	108.2	0.60	306.4	0.122	4	0.95	0.097	0.41	2.7	2.1	5.05	0.15	188	4.7	4.89	4.5	2.62	0.1	0.10
STD DS8	Standard	13.3	117.1	0.60	231.8	0.090	3	0.87	0.076	0.39	2.5	1.8	5.32	0.15	203	4.8	4.66	4.4	2.41	<0.1	0.04
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48	0.13	0.08
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02

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: **Teck Resources Limited**
Suite 3300, 550 Burrard St.
Vancouver BC V6C 0B3 Canada

Project: 204900
Report Date: September 04, 2011

QUALITY CONTROL REPORT VAN11003926.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
Pulp Duplicates														
1080556	Soil	0.07	4.1	0.1	<0.05	0.3	0.43	1.4	<0.02	<1	<0.1	0.3	<10	<2
REP 1080556	QC	0.08	4.6	0.2	<0.05	0.2	0.46	1.4	<0.02	<1	<0.1	0.4	<10	<2
1080583	Soil	0.05	2.0	<0.1	<0.05	0.4	1.91	1.6	<0.02	2	<0.1	0.2	<10	<2
REP 1080583	QC	0.04	1.7	<0.1	<0.05	0.4	1.79	1.6	<0.02	<1	<0.1	0.2	<10	<2
1080594	Soil	0.04	1.2	0.2	<0.05	0.1	0.22	0.7	<0.02	<1	<0.1	0.3	<10	<2
REP 1080594	QC	0.03	1.2	0.2	<0.05	0.3	0.23	0.7	<0.02	1	<0.1	0.2	<10	<2
1080620	Soil	0.29	6.3	0.2	<0.05	0.1	3.74	9.9	<0.02	<1	0.4	2.3	<10	<2
REP 1080620	QC	0.27	6.0	0.2	<0.05	0.2	3.45	9.3	<0.02	2	0.2	2.3	<10	<2
1080624	Soil	0.48	12.8	0.3	<0.05	0.4	1.38	5.8	<0.02	<1	0.3	2.9	<10	<2
REP 1080624	QC	0.66	17.2	0.3	<0.05	0.5	1.78	7.5	<0.02	<1	<0.1	3.2	<10	<2
1080648	Soil	0.09	4.1	0.1	<0.05	<0.1	1.53	6.3	<0.02	<1	0.2	0.4	<10	<2
REP 1080648	QC	0.10	3.9	0.1	<0.05	0.2	1.44	6.4	<0.02	<1	0.2	0.3	<10	<2
Reference Materials														
STD DS8	Standard	1.06	35.8	6.5	<0.05	1.9	5.08	21.2	2.15	56	4.7	25.4	103	333
STD DS8	Standard	1.30	39.6	7.5	<0.05	2.3	6.34	27.3	2.37	49	5.3	25.3	87	328
STD DS8	Standard	1.19	38.0	6.3	<0.05	1.2	5.05	23.7	2.03	48	5.7	25.9	113	337
STD DS8 Expected		1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2