

**Geochemical Report**  
**Rude Creek Project, White Gold District**  
**Yukon Territory, Canada**

*Royal 1-12 (YC60328 - YC60339)*

62° 39'58" N 138° 34'0" W

E624645 / N6950735

NAD83, Zone 7N

1:250 000-scale 115J - Stevenson Ridge Map Sheet

1:50 000-scale 115J/10 - Colorado Creek Map Sheet

**WHITEHORSE MINING DISTRICT**

Work completed: September 10<sup>th</sup> to 24<sup>th</sup> 2011

Submitted by: Peter Tallman P. Geo. COO, Ethos Gold Corp

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680 - 789 West Pender Street,

Vancouver, BC Canada V6C 1H2

Tel · 604.682.4750 Fax · 604.682.4809

Webpage · [www.ethosgold.com](http://www.ethosgold.com)

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## Summary

In September 2011, Ethos Gold Corporation performed a small-scale, soil sampling program on the recently optioned Royal 1-12 (YC60328 – YC60339) quartz claims. The Royal 1-12 claims were acquired from Shawn Ryan based upon favourable geology and regional structural lineaments, which are highlighted by highly anomalous Regional Geochemistry Survey stream sediment sample sites. The claims were staked by Shawn Ryan to cover an RGS anomaly reporting 300 ppb gold near the headwaters of Trombley Creek. Furthermore, the regional silt geochemistry data was used historically as one of the main exploration parameters for selecting targets. According to Bradshaw & van Randen (2004), the mineral tract has a high mineral potential (relative to the Territory) for Epithermal and Plutonic-related gold mineralization.

The 243-hectare property is located in west-central Yukon and is an early exploration phase. The Royal property comprises 12 contiguous quartz claims (NTS map sheet 115J/10) which lie approximately 1 km south of Rude Creek, a tributary of Dip Creek in the Leslie Ridge region, Dawson Range. The claims are centered at a latitude of 62°39'58"N and a longitude of 138°34'0"W, approximately 18 km south of the Yukon River. The claims are ~130 northwest of the Village of Carmacks which is ~175 km north of Whitehorse.

The property occurs within the Yukon-Tanana terrane (*herein* YTT), which underlies much of central and western Yukon. Its history and tectonic evolution, particularly prior to mid-Mesozoic time, has been largely obscured by younger magmatism and tectonism. The YTT is primarily a product of episodic continental arc magmatism, forming a sequence of accreted pericratonic terranes that form a large portion of the Omineca Belt. The terrane underlies part of the Tintina gold belt and hosts gold deposits related to Mesozoic intrusions, including the Sonora Gulch gold deposit and the Casino copper-gold-molybdenum porphyry, located southeast of the Coffee project (Bennett *et al.*, 2009). The widespread YTT is defined by polymetamorphosed and polydeformed metasedimentary and metavolcanic rocks that were accreted along foliation-parallel thrust faults and later deformed in the late Paleozoic, creating multiple penetrative rock fabrics. In the Late Cretaceous the Dawson Range intrusions (felsic stocks and related rhyolite dykes) cross cut the aforementioned stratigraphy.

Placer activity on Rude Creek started in 1915 with staking by Jens Rude and George Jensen; most of the creek was staked following this discovery, and many of the claims were either explored or mined (Jaworski and Vanwermeskerken, 2001). Gold production reported from 1987-1990 on Rude Creek was 3,483 crude ounces (Jaworski and Vanwermeskerken, 2001). Currently, there are active placer claims on Rude Creek, <0.5 km north of the claims. The property covers the Haxe MINFILE occurrence (115J 020).

Ethos completed a reconnaissance geological evaluation and small-scale soil sampling program on the Royal 1-12 claim on September 24<sup>th</sup> for a total of 2 man-days at a total cost including of \$6,195.50. During the program a total of 65 soils were collected and sent in for geochemical analysis. The result of this survey showed some encouraging gold-in-soil results and confirms the property's potential for gold mineralization. More detailed soil sampling is recommended focusing on anomalous areas identified this year, such as the north extension of the historic soil grid and the mapped quartz feldspar porphyry.

## 1 Introduction

On March 2<sup>nd</sup>, 2011 Ethos Gold Corp. ("Ethos") acquired an option to purchase the Rude Creek property ("Rude Creek") as part of the Hen property option from Shawn Ryan/Wildwood Exploration Inc. in consideration of certain cash commitments, work commitments, and share payments. The Rude Creek property comprises the Royal 1-12 contiguous quartz claims and is a target for intrusion-related 'Pogo-style' mineralization. Ethos contracted Ground Truth Exploration Inc. to conduct a small 65 soil geochemical soil sampling program for the property which was completed in September 2012. The purpose of the program

was to confirm the original anomaly described by Prospector International Resources Inc. (Prospector International), identify new exploration targets and to determine whether future work is warranted. The following report describes the soil sample program, the results of the program and how they compare and relate to historical work in the region.

### 1.1 Terms, Definitions & Units

The following terms and abbreviations are used within this report:

- Distances are reported in meters (m), kilometres (km) and feet (ft)
- Costs are reported in Canadian dollars (CAN\$)
- Locational information is reported in both Latitude-Longitude and UTM grid (Easting, Northing) NAD83, Zone 7N
- Geochemical data is reported in parts per million (ppm) the equivalent to grams per tonne (g/t) and ounces per tonne (oz/t), as well as parts per billion (ppb)
- QAQC refers to quality assurance and quality control
- Geological ages include: Ka (thousand) and Ma (million) years ago
- Elemental abbreviations include: arsenic (As), bismuth (Bi), copper (Cu), gold (Au), molybdenum (Mo) and silver (Ag)
- Mineralogical abbreviations include: pyrite (Pyr) and pyrrhotite (Po) [iron sulphides], limonite (Lim) [hydrated iron oxide], magnetite (Mag) [iron oxide], chalcopyrite (Cpy) [copper sulphide] and molybdenite (Mo) [molybdenum sulphide]
- MINFILE showing refers to documented mineral occurrences compiled by the Yukon Geological Survey (<http://servlet.gov.yk.ca/ygsmin/index.do>)
- Directional units include: north (N), east (E), south (S), west (W) and may be used in combination (*i.e.*, NNE for north-northeast)

### 1.2 Source Documents

The following sources of information were used in writing this assessment report and include private company data and information available on the public domain:

- Review of published and scientific papers on geology on the region and on mineral deposit types
- Review of geological maps and reports completed by the Yukon Geological Survey and the Geological Survey of Canada
- Research on the Yukon Geological Survey's MINFILE database (<http://servlet.gov.yk.ca/ygsmin/index.do>) and Map Viewer (<http://maps.gov.yk.ca/imf.jsp?site=YGS>)
- Review of previously written assessment and YMIP reports at the Energy, Mines & Resources Library (<http://www.emr.gov.yk.ca/library/>)
- Review of publically available data, including news releases, on Ethos Gold Corp. ([www.ethosgold.com/s/home.asp](http://www.ethosgold.com/s/home.asp))

### 1.3 Geotechnical Information

Ethos uses NAD83 Zone 7N coordinates for geographic positioning system ("GPS"). Coordinates are expressed in NAD83 Zone 7N unless specified otherwise. Ethos employees and consultants are provided with Garmin "GPSMap 62s" model GPS devices, which can automatically record continuous route tracks as well as set waypoint information. The Garmin GPS devices are assumed accurate to within 5 meters horizontally and within

10 meters on elevation. Cameras were synchronized with clocks on individuals GPS units so that photographs could be geo-tagged using Garmin Basemap software. Tracks were continuously recorded daily for mapping and prospecting surveys, waypoints entered with notes where features of interest were encountered, and photographs tagged to individual waypoint and sample locations.

## 2 Property Location & Description

### 2.1 Location & Land Tenure

The 243-hectare property is located in west-central Yukon and is an early exploration phase. The Royal property comprises 12 contiguous quartz claims (NTS map sheet 115J/10) which lie approximately 1 km south of Rude Creek, a tributary of Dip Creek in the Leslie Ridge region, Dawson Range. The claims are centered at a latitude of 62°39'58"N and a longitude of 138°34'0"W, approximately 18 km south of the Yukon River. In terms of distance from community centers, the claims are 130 km northwest of Carmacks and 160 km southwest of Dawson City which are 175 and 540 km north of Whitehorse, respectively, via a paved highway (refer to *Table 1. Rude Creek Property Claim Summary*, below). The project falls within the Whitehorse Mining District. The boundaries of the property have not been legally surveyed. Refer to *Appendix I. Mineral Tenure of the Royal Claims (Rude Creek Project)* for a detailed statement of claims.

*Table 1. Rude Creek Property Claim Summary*

| Claim Group Name                    | Claim No. (from) | Claim No. (to) | Grant No. (from) | Grant No. (to) | Expiry Date* | Total No.     |
|-------------------------------------|------------------|----------------|------------------|----------------|--------------|---------------|
| Royal                               | 1                | 12             | YC60328          | YC60339        | 04/19/12     | 12            |
| <b>TOTAL CLAIMS-</b>                |                  |                |                  |                |              | <b>12</b>     |
| <b>APPROXIMATE TOTAL AREA (ha)-</b> |                  |                |                  |                |              | <b>243 Ha</b> |

\*Claim expiry date based upon acceptance of this report.

EXPLORATION ASSESSMENT REPORT – RUDE CREEK PROPERTY, YT



Figure 1: Rude Creek Location Map



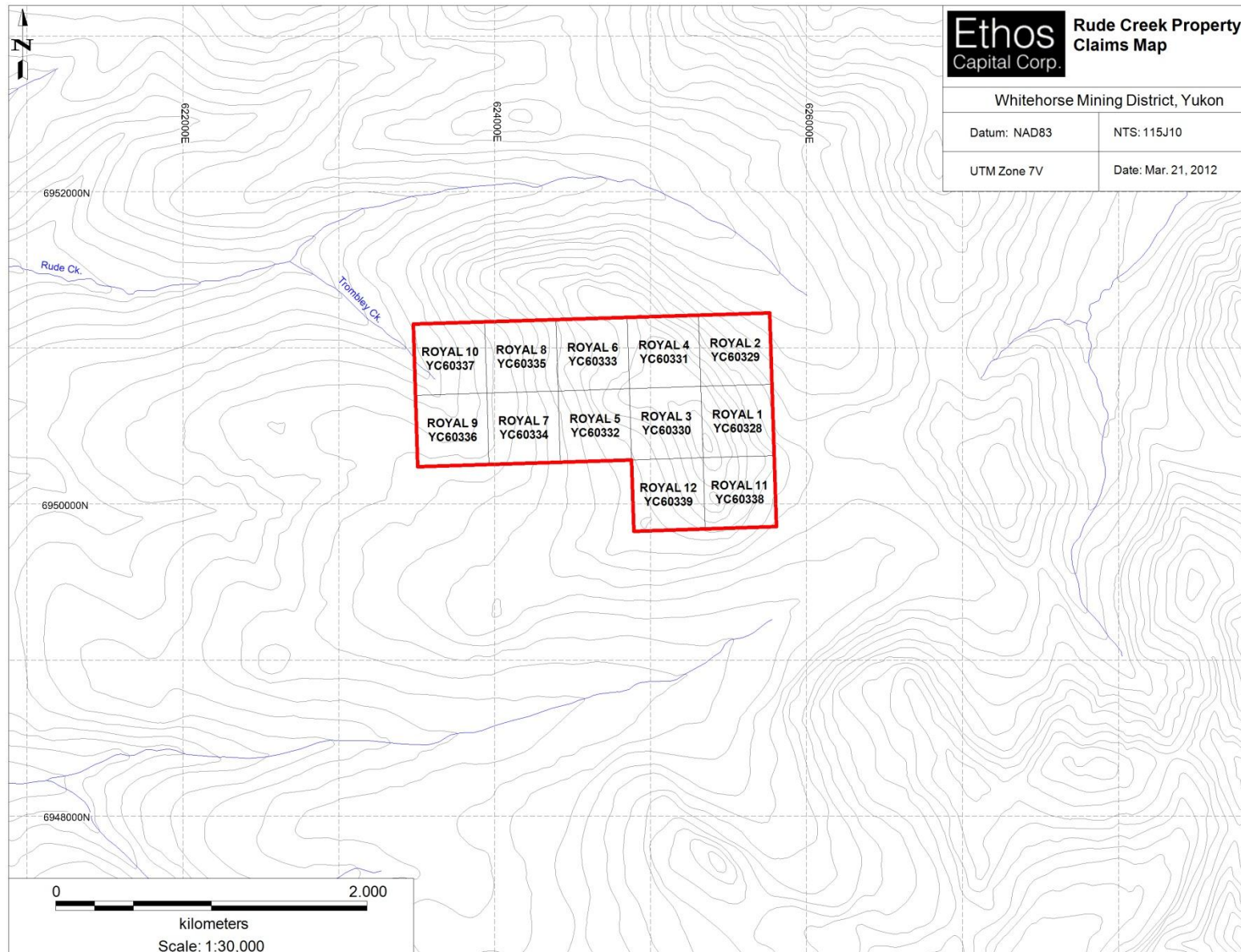


Figure 2 - Rude Creek Claims Map

## 2.2 Underlying Agreements

Ethos' option rights to the Royal claims were acquired from Mr. Shawn Ryan (70%) and Wildwood Explorations Inc. (30%) of Dawson City, Yukon, through an agreement dated March 2, 2011. The Rude Creek property, consisting of the Royal 1-12 claims, was part of the Hen property option agreement with Ethos Gold Corp. whereby Ethos can earn 100% interest, through a series of staged payments and issuance of shares over four years. On March 1, 2012 the Hen property was transferred into the Bridget property agreement through a series of amendments which retained the same terms. The optionors retain a 2% net smelter royalty on mineral production.

The claims are located within the Traditional Territory of the Selkirk First Nation. The Selkirk First Nation has settled land claims in the area and no First Nation land settlement occurs within the Rude Creek area. The closest First Nation surveyed land (SFN R-12A) lies approximately 2.5 km east of the property. The claims are situated on Crown Land and therefore the mineral claims fall under the jurisdiction of the Yukon Government. Surface rights would have to be obtained from the government should the property go into development.

According to the Yukon Quartz Mining Act, a mineral claim holder must perform \$100 assessment work per claim, per year and document this work to maintain the title, or otherwise pay \$100 in lieu per claim, per year to maintain title to the claims.

Early exploration activities do not require permitting, however significant drilling, trenching, blasting, line cutting and excavating may require a Mining Lands Use Permit (MLUP) that must be approved under the Yukon Environmental Socioeconomic Assessment Act (YESAA). To the author's knowledge, the property does not cover any environmental liabilities.

## 3 Accessibility, Local Resources, Infrastructure, Physiography & Climate

### 3.1 Access, Local Resources & Infrastructure

The project is centered at a latitude of 62°39'58"N and a longitude of 138°34'0"W (E624645, N6950735 NAD 83, Zone 7N). The claims are accessible via helicopter from Carmacks (130 km), which is 175 km north from Whitehorse via a paved highway. Alternatively, the property can be accessed by Prospector Mountain (E355600, N6927575) followed by a 50 km helicopter flight or to Big Creek Airstrip (E376470, N6918450) followed by a 75 km helicopter flight via the Freegold Road from Carmacks. In the winter a CAT road continues from Prospector Mountain up Hayes Creek where supplies could be ferried from the Hayes Creek airstrip (E346331, N6946710 Zone 8N). Another alternative is the Minto Landing Airstrip which is ~90 km east from the claims and accessible via a paved highway from Whitehorse. Water is available from Rude Creek a tributary of Dip Creek.

Carmacks, situated at the confluence of the Nordenskiöld and Yukon Rivers, is the nearest village with amenities and has approximately 426 residents. Carmacks has limited mechanical services, however, the village facilities include a health center, grocery store, a police station, accommodation and a restaurants.

### 3.2 Physiography & Climate

The Rude Creek area is at the margin of the unglaciated Yukon Plateau in the Dawson Range and was glaciated during the Pre-Reid glaciation (*ca.* 3 Ma). Elevations range from 3500' (1067 m) in the northwestern corner to 5200' (1585 m) in the eastern region of the claim block. The climate is characterized by continental subarctic conditions with average temperatures ranging from 14.8°C (58.6°F) in July to -28.6°C (-19.5°F) in January. The



area has a northern interior climate with moderate precipitation (275 mm, rain and snow). Exploration in the region typically begins in late May and ends in late September.

The property is drained by the northwesterly flowing tributaries of the Dip Creek including Rude Creek, which is 1 km north of the claims. Vegetation is typical boreal forest (white spruce, birch, poplar and black spruce) with sparse vegetation above elevations of 3500' (1067 m) dominated by buckbrush and sparse tree cover.

#### 4 Property History & Adjacent Claims

Placer activity on Rude Creek started in 1915 with staking by Jens Rude and George Jensen; most of the creek was staked following this discovery, and many of the claims were either explored or mined (Jaworski and Vanwermeskerken, 2001). During June of 1915, about 25 men were prospecting and mining along the creek, with most of the work done in the first 500 m below the mouth of Trombley Creek. During the spring of 1979, Larry Smith acquired ground on Rude Creek, which he sold to Gold Creek Mining Ltd. whom went into production the following year. In 1986, Andre Fournier began mining on Rude Creek near its confluence with Dip Creek; he mined until 1991 when he moved his operation to a site ~5.5 km upstream from Dip Creek where he continues mining presently. Gold production reported from 1987-1990 on Rude Creek was 3,483 crude ounces (Jaworski and Vanwermeskerken, 2001). Currently, Fournier's placer claims on Rude Creek, 0.5 km north of the claims, are covered by the active placer RUD and LAR claims. The property covers the Haxe MINFILE occurrence (115J 020) Ag-Pb-Zn±Au anomaly.

Modern exploration began in 1999 and was increased in 2008 with more regional, reconnaissance geochemical sampling. A total of 129 historical soil samples in 2008 were collected on the property by Shawn Ryan/Wildwood Explorations Inc. Since 2007, the Dawson Range has seen a modern-day gold rush with Underworld Resources discovery at the Golden Saddle deposit (now owned and operated by Kinross Gold Corporation).

The property history summarized in *Table 2* (below), is based upon information from the YGS's MINFILE capsule 115J 020 (Haxe; Deklerk (*compiler*), 2011), 'Mineral Industry Reports', various 'Yukon Exploration and Geology' and assessment reports.

*Table 2. Rude Creek Property – Work History*

|           |  |
|-----------|--|
| 1966      | Originally staked as part of the Ray 1-466 (97882) claims by Nordex Exploration Ltd. which carried out regional geochemical stream sediment sampling.  |
| 1969-1970 | Restaked as Axe 1-6 (Y38255) by Montana Mines Ltd., which added the Hill 1-24 (Y47622) claims and carried out geochemical rock and soil sampling reporting anomalous copper ( $\leq 384$ ppm) and molybdenum ( $\leq 10$ ppm) from a pyritic granite.  |
| 1980      | Just east of the occurrence, the Battle 1-64 (YA48595) claims were staked by Cominco Ltd., which carried out geochemical sampling and geological mapping. Two Cu-Mo soil anomalies were located near the head of Battle Creek.   |
| 1985-1986 | Restaked as Hen (YA92240) claims by Nordac Mining Corporation and optioned briefly to Gyro Energy and Minerals Corporation later in the year. Nordac carried out geochemical sampling and geological mapping to the southwest (on MINFILE occurrence 115J 017- Cockfield, a Cu-Mo-Au porphyry showing; Deklerk, 2011). |
| 1995      | Restaked as Battle (YB57561) by Cominco Ltd. who carried out 4 man-days of geological mapping, prospecting and sampling reporting $\leq 1460$ ppm copper, $\leq 217$ ppm molybdenum and $\leq 100$ ppb gold from grab samples.   |
| 1999-2000 | Restaked as EIO (YC14002) by Prime Properties Syndicate and optioned to Prospector International Resources Inc. which conducted geochemical grid sampling and  |

geological mapping. Work focused on an area NW of the occurrence and outlined a discontinuous east-west trending gold ( $\leq 1254$  ppb) – arsenic ( $\leq 163.1$  ppm) – bismuth ( $\leq 17.84$  ppm) – silver ( $\leq 3071$  ppb) anomaly measuring  $\sim 150 \times 550$  m (Jaworski & Vanwemeskerken, 2001; YA094213).

2007-2008 Restaked as Royal 1-12 (YC60328) by S. Ryan who carried out reconnaissance-scale soil sampling (129 sample collected) on the claims and surrounding ridges.

Encompassing the Royal 1-12 claims are 10 Ann claims currently being explored by Aben Resources Ltd. as part of their large 12,700 hectare Rude Creek South Property, and the Poker claims of Independence Gold Corp.'s 1,560 hectare Poker Property. Advanced properties in the immediate region include: Western Copper and Gold Corporations' Casino project (14.5 km to the NW), Kaminak Gold Corporations' Coffee project (50 km to the NW) and Northern Freegold Resources' Freegold Mountain project (74 km to the SW).

## 5 Geological Setting

### 5.1 Regional Geology

The Rude Creek property is located on the 1:250,000-scale 115J (Stevenson Ridge) map-sheet, which was completed in 1974 by Templeman-Kluit (Geology, Snag, Yukon (NTS 115J/K), GSC Preliminary Map 16-1973). In 2005, Gordey and Ryan re-compiled map sheets 115N, 115 and part of 115J (GSC Open File 4970). Most recently in 2012 Ryan et al. re-mapped the area as part of the geological mapping of the Dawson Range.

The property occurs within the Yukon-Tanana terrane (*herein* "YTT"), which underlies much of central and western Yukon. Its history and tectonic evolution, particularly prior to mid-Mesozoic time, has been largely obscured by younger magmatism and tectonism. The YTT is primarily a product of episodic continental arc magmatism forming a sequence of accreted pericratonic terranes that form a large portion of the Omineca Belt. The terrane underlies part of the Tintina gold belt and hosts gold deposits related to Mesozoic intrusions, including the Sonora Gulch gold deposit and the Casino copper-gold-molybdenum porphyry, located southeast of the Coffee project (Bennett *et al.*, 2009). The widespread YTT is defined by metamorphosed and deformed sedimentary and volcanic rocks that were accreted along foliation-parallel thrust faults and later deformed in the late Paleozoic, creating multiple penetrative rock fabrics. In the Late Cretaceous the Dawson Range intrusions (felsic stocks and related rhyolite dykes) crosscut this stratigraphy.

The Royal claims are located in the Dawson Range at the margin between the unglaciated Yukon Plateau and the area of Pre-Reid glaciation (*ca.* 3 Ma) to the east. The Dawson Range is characterized by metamorphosed basement rocks of the YTT intruded by voluminous Jurassic to Cretaceous intrusions including the mid-Cretaceous Dawson Range Batholith. The Dip Creek Fault lies to the northwest of the claims and this feature may be associated with gold mineralization on Ethos' Betty property (Buck and Mascot zones). To the northeast is the Coffee fault, known to host significant gold mineralization on Kaminak Gold Corporation's Coffee project. Regionally the claims are wedged between the prominent Tintina fault to the northeast and the Denali fault to the southwest.

The YTT is represented in the area of interest by Devonian to Mississippian-aged Nasina Assemblage (410-323 Ma, DMN<sub>5</sub>) and the Pelly Gneiss Suite (360-340 Ma, DMqPW) which are intruded by felsic stocks and related rhyolite dykes of the Whitehorse Suite (112-105 Ma, mKgW).

In the Late Cretaceous, unconformable Carmacks Group ( $\sim 70$  Ma, uKC) andesite and basaltic flows overlain the aforementioned units. Finally from the Late Cretaceous to Tertiary, the aforementioned units are intruded by the Prospector Mountain Suite (LKqP; see *Table 3. Regional Geological Units*, following page). Mineralization

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within the southeastern portion of the Dawson Range copper-gold belt from Freegold (Revenue) to Casino, is intimately associated with rocks of the Prospector Mountain Suite (Pautler, 2011).

Table 3. Regional Geological Units (Gordey, S.P. and Makepeace, A.J. (compilers), 2003, Ryan et al., 2012).

| Unit                                  | Age  | Rock Type  |
|---------------------------------------|--|--|
| Rhyolite Creek complex felsic (PRp)   | Paleocene (65.5-56 Ma)                       | Quartz-feldspar porphyry   |
| Prospector Mountain Suite (LKqP)      | Late Cretaceous to Tertiary (85-64 Ma)       | Quartz monzonite, biotite quartz-rich granite; porphyritic alaskite and granite with plagioclase and quartz-eye phenocrysts; biotite and hornblende quartz monzodiorite, granite, and leucocratic granodiorite with local alkali feldspar phenocrysts. |
| Carmacks Group (uKC <sub>2</sub> )    | Upper Cretaceous (~99-65 Ma)                 | Acid vitric crystal tuff, lapilli tuff and welded tuff including feeder plugs and necks; felsic volcanic flow rocks and quartz feldspar porphyries; green and purple massive tuff-breccia with feldspar phyric fragments.                              |
| Whitehorse Suite (mKgW)               | Mid Cretaceous (112-105 Ma)                  | Biotite-hornblende granodiorite, hornblende quartz diorite and hornblende diorite; leucocratic, biotite hornblende granodiorite locally with sparse grey and pink potassium feldspar phenocrysts.  |
| Pelly Gneiss Suite (DMgPW)            | Late Devonian and Mississippian (360-340 Ma) | Foliated medium grained, homogeneous biotite granite gneiss to biotite or hornblende granodiorite gneiss; massive to strongly foliated dioritic to granodioritic gneiss; includes interfoliated amphibolite, quartz-mica schist and phyllite.          |
| Nasina Assemblage (DMN <sub>5</sub> ) | Devonian and Mississippian (410-323 Ma)      | Nasina Quartzite - black-weathering, massive, dark grey to black strongly graphitic quartzite with lesser grey micaceous quartzite and quartz mica schist; commonly shows alternating light and dark grey colour lamination.                           |

EXPLORATION ASSESSMENT REPORT – RUDE CREEK PROPERTY, YT

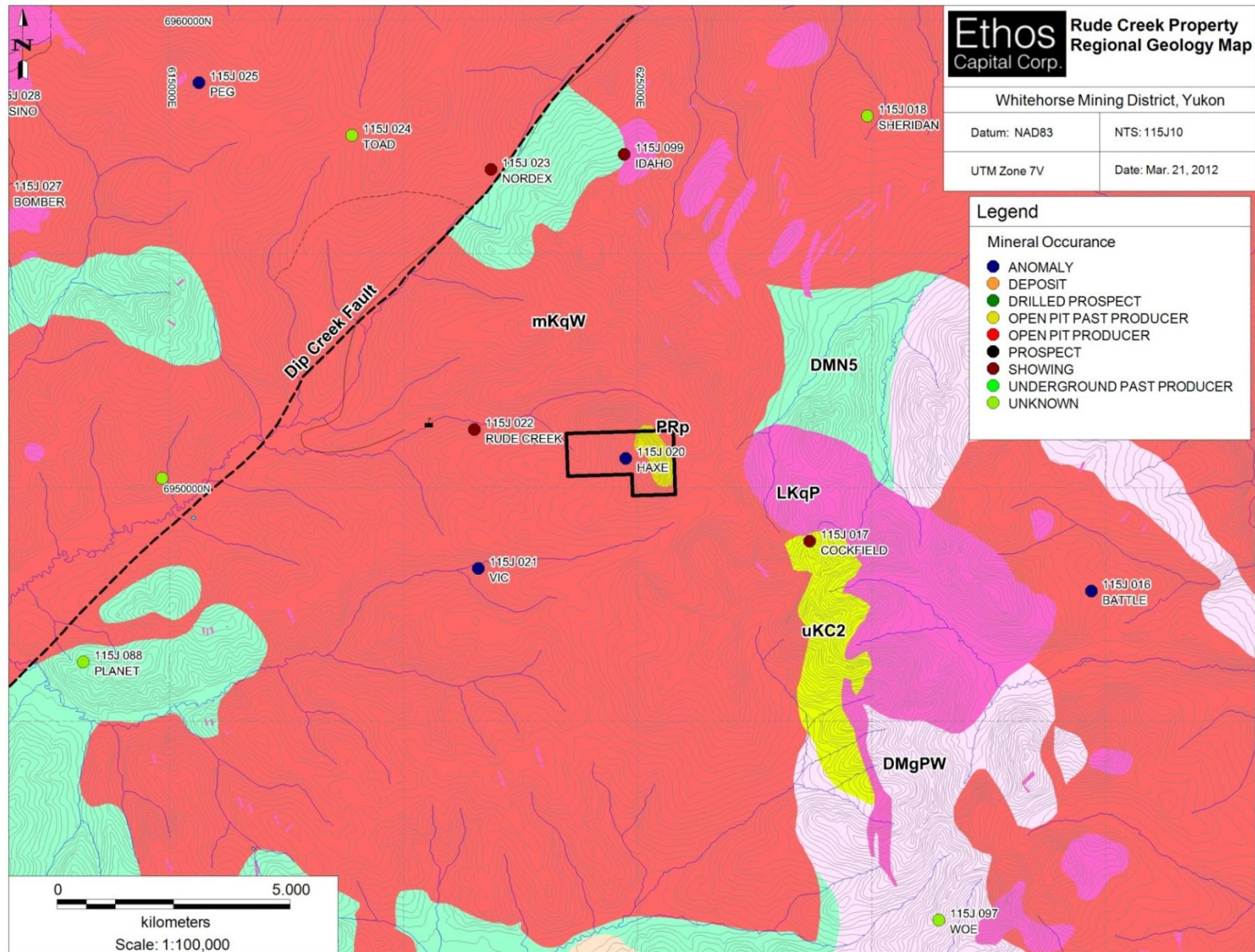


Figure 3: Rude Creek Regional Geology (modified from Ryan and Gordey, 2005)



## 5.2 Property Geology

Rocks in the immediate claim area are Whitehorse Suite (mKqW) granite. The Whitehorse Suite locally has been subdivided into: Casino granodiorite/Casino Intrusions, Coffee Creek Granite, McClintock granodiorite, Nisling Range granodiorite, and Mt. McIntyre Suite & Mt. Ward Granite. Jaworski and Vanwermeskerken (2001) described the granite as a biotite-hornblende granodiorite, locally tourmalinized, brecciated, and with quartz-tourmaline veining in west-central portion of the property. Rock samples from this area are anomalous in gold, arsenic, bismuth, molybdenum, and silver. Fulcher (1971) reported anomalous copper ( $\leq 384$  ppm) and molybdenum ( $\leq 10$  ppm) from a pyritic granite in the region surrounding the Haxe MINFILE occurrence (115J 020) also in the central portion of the property. Ryan et al. (2012) identified and mapped a Rhyolite Creek Complex quartz-feldspar porphyry intrusion in the north-east of the property.

## 6 Target Rationale

The Royal 1-12 claims were acquired from Shawn Ryan based upon favourable geology (Prospector Mountain Suite is intimately associated with mineralization in the southeastern portion of the Dawson Range copper-gold belt) and regional structural lineaments (Dip Creek and Coffee faults), which are highlighted by highly anomalous Regional Geochemistry Survey (*herein* “RGS”) stream sediment sample sites. The claims were staked by Shawn Ryan to cover an RGS anomaly reporting 300 ppb gold near the headwaters of Trombley Creek. Furthermore, the regional silt geochemistry data was used historically as one of the main exploration parameters for selecting targets for Prospector International (see Jaworski and Vanwermeskerken, 2001). According to Bradshaw & van Randen (2004), the mineral tract has a high mineral potential (relative to the Territory) for Epithermal and Plutonic-related gold mineralization (see *Figure 4. Yukon-wide Mineral Potential*, below).

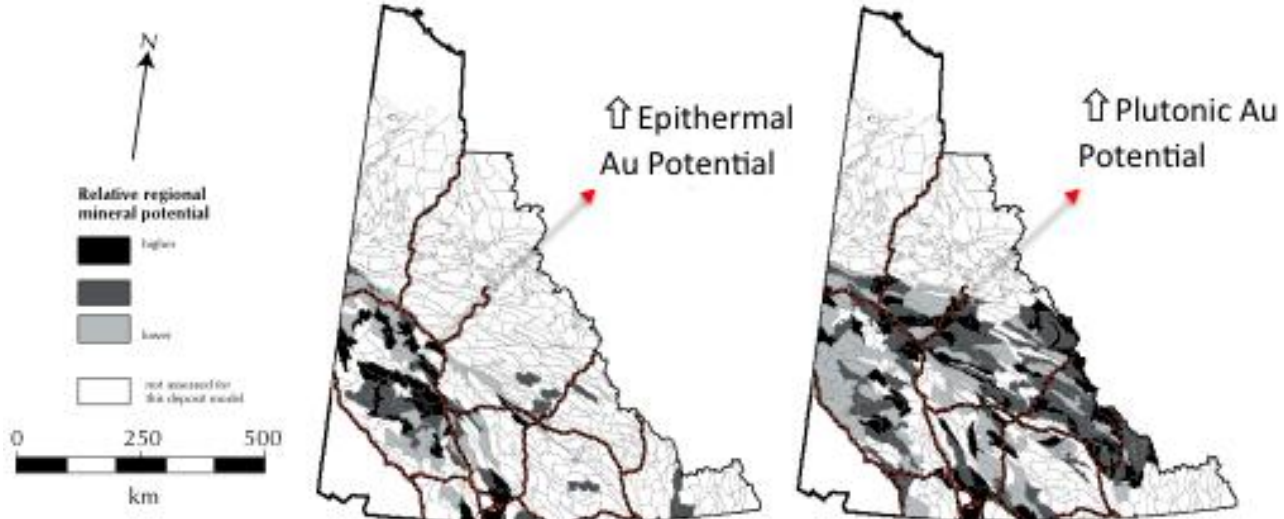


Figure 4: Yukon-wide Mineral Potential (modified from Bradshaw & vanRanden, 2004).

Historical soil sampling explorative work conducted on the claims report anomalous copper, molybdenum  $\pm$  gold, arsenic, silver and bismuth. Soil sampling geochemical work in 1969-70 by Montana Mines Ltd. reported anomalous copper ( $\leq 384$  ppm) and molybdenum ( $\leq 10$  ppm) from a pyritic granite in the east-central ‘Hill’ claims. Further work uncovered a zone of disseminated to vein/fractured-hosted chalcopyrite-pyrite-molybdenite  $\pm$  bornite at the headwaters of Battle Creek (3 km to the east of the Haxe occurrence).

## EXPLORATION ASSESSMENT REPORT – RUDE CREEK PROPERTY, YT

Soil sampling in 2000 by Prospector International Resources on the Rude Creek property in the area northwest of the Haxe (115J 022) occurrence outlined an east-west trending multi-element gold ( to 1254 ppb Au), arsenic (to 163.1 ppm As), bismuth (to 17.84 ppm Bi), silver (to 3071 ppb Ag) anomaly measuring 150 X 550 m (Jaworski & Vanwemeskerken, 2001).

## 7 2011 Exploration Program

Ethos carried out its first exploration program on the claims over the course of the 2011 first field season. Exploration in 2011 consisted of a small-scale soil sampling program for a total of 2 man-days explorative work on September 24th. A total of 65 ridge-and-spur soil samples were collected by Ground Truth Exploration personnel. The program was supported by TransNorth A-Star helicopter based from the placer camp at Thistle Creek. The samples were processed by Acme Analytical in Dawson and assayed for Au (FA/AA) and multi-element geochemistry (ICP-MS). Soil sample analytical certificates DAW11000483 and DAW11000542 are appended electronically in pdf format.

### 7.1 Soil Sampling

For the program Ethos' hired Ground Truth Exploration Inc., of Dawson City, to complete the soil-sampling. A total of 129 historical ridge and spur soil samples had previously been collected on the Royal claims and adjacent ridges by Shawn Ryan prior to Ethos's 2011 exploration program. During the 2011 field season an additional 65 ridge-and-spur samples were collected at 50 meter intervals for a total of 194 soil samples collected on the Royal claims to date. Sampling in this area was impeded by talus cover and clay (loess) as well as locally derived felsenmeer limiting the depth of sample (see Figure 5).

Results of Ethos' 2011 soil program continue to indicate the mineral potential of the Rude Creek property and warrant follow up work in the future. Ethos' program identified anomalous gold in soils with 15 of the 65 classed as anomalous (>10 ppb as defined by the 80<sup>th</sup> percentile of soils taken on or around the Rude Creek Property, Table 4) with an average of 9.3 ppb Au. Ethos also confirmed the anomaly discovered by Prospector International with soils up to 58.5 ppb Au coincident with moderately anomalous bismuth (13.9 ppm) and arsenic (45.8 ppm). Ethos also identified a weak gold in soil anomaly at the margin of the mapped quartz-feldspar porphyry intrusion with 6 anomalous gold soils (up to 20.8 ppb) coincident with weakly anomalous arsenic (up to 33 ppm) and anomalous bismuth (up to 6.6 ppm).

Table 4: Soil Geochemistry Percentiles

|                   | <b>Au<br/>(ppb)</b> | <b>Ag<br/>(ppm)</b> | <b>As<br/>(ppm)</b> | <b>Bi<br/>(ppm)</b> | <b>Mo<br/>(ppm)</b> | <b>Sb<br/>(ppm)</b> | <b>W<br/>(ppm)</b> |
|-------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|
| <b>Population</b> | 272.00              | 272.00              | 272.00              | 272.00              | 272.00              | 272.00              | 272.00             |
| <b>Max Value</b>  | 1254.20             | 3.07                | 157.10              | 87.00               | 13.00               | 6.93                | 8.00               |
| <b>Min Value</b>  | 0.00                | 0.00                | 0.00                | 0.00                | 0.00                | 0.00                | 0.00               |
| <b>99th</b>       | 61.97               | 1.09                | 98.55               | 21.28               | 7.05                | 4.13                | 3.00               |
| <b>95th</b>       | 30.07               | 0.47                | 46.84               | 4.65                | 4.36                | 1.28                | 0.70               |
| <b>90th</b>       | 15.86               | 0.39                | 31.34               | 2.79                | 3.60                | 1.00                | 0.50               |
| <b>80th</b>       | 10.46               | 0.26                | 19.84               | 1.50                | 2.87                | 0.85                | 0.30               |
| <b>50th</b>       | 5.20                | 0.10                | 10.55               | 0.65                | 1.33                | 0.60                | 0.20               |

Analysis performed on the soils taken on the Rude Creek Property and the surrounding ridges indicate arsenic, silver and antimony have positive correlation with gold grades and may indicate that they are pathfinder



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elements (see table 5). These elements are similar to other soil anomalies found in this region such as Ethos' Mascot Creek anomaly.

Table 5: Correlation Coefficient Matrix

|                 | <b>Au<br/>(ppb)</b> | <b>Ag<br/>(ppm)</b> | <b>As<br/>(ppm)</b> | <b>Bi<br/>(ppm)</b> | <b>Mo<br/>(ppm)</b> | <b>Sb<br/>(ppm)</b> | <b>W<br/>(ppm)</b> |
|-----------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|
| <b>Au (ppb)</b> | --                  |                     |                     |                     |                     |                     |                    |
| <b>Ag (ppm)</b> | 0.2410              | --                  |                     |                     |                     |                     |                    |
| <b>As (ppm)</b> | 0.2434              | 0.7569              | --                  |                     |                     |                     |                    |
| <b>Bi (ppm)</b> | 0.0857              | 0.3310              | 0.2785              | --                  |                     |                     |                    |
| <b>Mo (ppm)</b> | 0.0126              | 0.2218              | 0.2597              | 0.1233              | --                  |                     |                    |
| <b>Sb (ppm)</b> | 0.2036              | 0.6463              | 0.7040              | 0.2440              | 0.1164              | --                  |                    |
| <b>W (ppm)</b>  | 0.0552              | 0.1555              | 0.1828              | 0.1528              | 0.1413              | 0.1176              | --                 |



Figure 5: Typical soil sample location with felsenmeer.

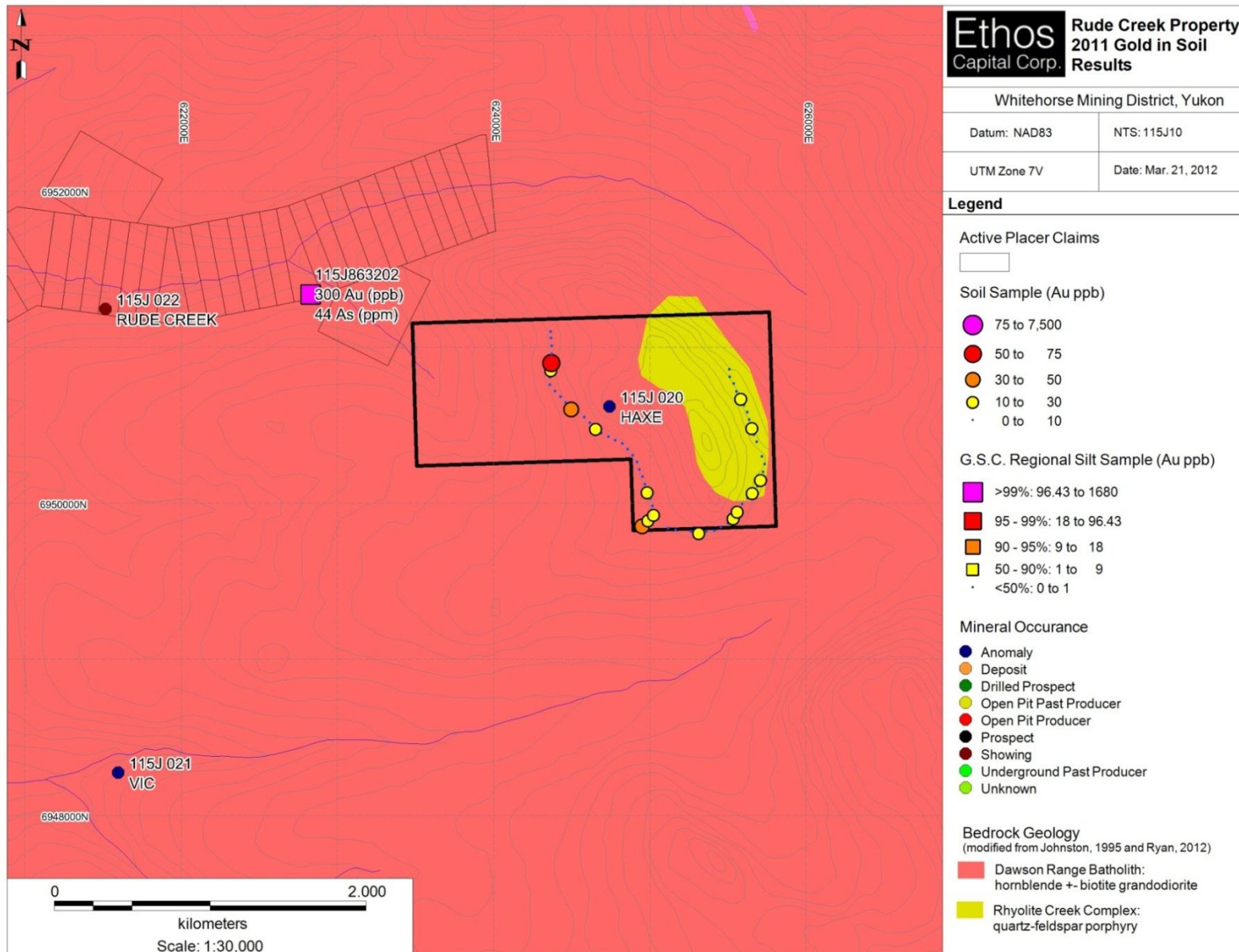


Figure 6: 2011 Gold in Soil Results on Property Geology

## **8 Sampling Method & Analyses**

Collection of rock and soil samples on the property during the 2011 field season was completed under the supervision of qualified geologists by experienced geological technicians. Ethos adhered to industry best practices for sample collection and handling of rock and soil samples at the project. ACME Analytical Laboratories Ltd. was employed for geochemical sample analysis, ACME is an ISO 9001:2008 credited facility (certificate number FM 63007).

### **8.1 Sampling Method & Approach**

#### **8.1.1 Soil Samples**

At each soil sample site, the Soil Technician identifies the most appropriate location to collect the sample and lays out a sheet of plastic (12" x 20" ore bag). The soil sample is taken using an Eijklcamp® hand-auger, at a depth of between 20 and 110 cm. Samplers strive to consistently collect C-horizon sample material. Where necessary (rocky or frozen ground) a prospector's pick ('mattock') is used to obtain the sample. The soil is laid out on the sheet of plastic in the order it was recovered from the sample hole. Once the necessary amount of soil (400 - 500 g) has been obtained, the deepest soil is taken and placed in a bag labeled with the 3-letter project code and a unique 5-6 digit sample identification number. A representative rock chip sample is taken from the recovered soil and placed in a small (1" x 1.5") bag labeled with the same project code and sample identification number. An aluminum metal tag inscribed with the sample identification number is attached to a rock or branch at the sample site along with a length of pink flagging tape. A duplicate sample is taken once for every 25 samples. At the sample site twice as much of the desired soil is acquired and then placed on the plastic sheet and homogenized before being placed into two sample bags. Both samples are given their own sample bag identification number. The data for both samples is recorded and a note is made indicating the duplicate and its corresponding sample identification number.

The GPS location of the sample site is recorded with a Garmin GPSMap 60cx or 76cx GPS device in UTM NAD 83 format, and the waypoint is labeled with the project name and the sample identification number. A Palm PDA device is used in the field to record the characteristics and description of the sample taken; this includes: sample identification number, soil colour, soil horizon, slope, sample depth, ground and tree vegetation and sample quality and any other relevant information. As well, the GPS coordinates are entered into the Palm device as a secondary backup in case of GPS failure.

Each night in the field, the GPS and Palm PDA devices are downloaded to a laptop computer and the data is verified on a sampler-by-sampler basis in proprietary database auditing software ("Dirtbagger 3000™") to ensure accurate data was recorded. The data is also mapped out daily using ESRI ArcMap to assure proper sample spacing and location. A backup of the sample data is made, copied onto a USB memory stick and kept in a separate location from the laptop computer until job completion. Where possible, a backup is also sent via e-mail. The soil samples are packaged daily into fiber bags, sealed, and delivered via helicopter or fixed wing to Dawson where they are laid out on drying racks to air-dry, and then repackaged in labeled rice bags. Ground Truth personnel in Dawson deliver them to the ACME sample preparation lab in Dawson where a receipt for delivery is issued.

### **8.2 Sample Preparation, Analyses and Security**

Each soil sample was analyzed by ACME Analytical Laboratories Ltd. in Vancouver, British Columbia via 36-element ICP-MS nitric-aqua regia digestion with a mass spectrometer finish; a 0.5 g sub-sample undergoes aqua regia digestion with ICP-MS analysis. Fifteen-grams of sample material was analyzed for Al, Sb, As, Ba, Bi, B, Cd,

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Ca, Cr, Co, Cu, Ga, Au, Fe, La, Pb, Mg, Mn, Hg, MO, Na, Ni, P, Ag, K, Sc, Sr, S, Tl, Th, Ti, Sn, W, U, V and Zn. Quality control procedures were implemented at the laboratory, involving regular insertion of blanks, standards and repeat analyses. Furthermore, soil sample field duplicates are routinely collected and inserted into the analytical stream as are pulp duplicates, as well as certified reference materials and blanks. There is no evidence of sample tampering during collection or shipping. ACME Labs prepared the samples in Dawson City and then shipped prepared samples to Vancouver for analysis. Soils are dried at 60°C and sieved to collect up to 500 grams passing the -80 mesh fraction. For detailed laboratory sample preparation and analysis procedures are outlined in Appendix II. Soil samples for 2001 were primarily processed in ACME's Dawson City preparation laboratory, however, some samples were processed in the Whitehorse and Vancouver labs.

Ethos uses protocols standard to the industry and professional QA/QC procedures for assaying including the use of duplicates, certified laboratory standard(s), prep and assay wash blanks. Furthermore, Ethos ensures the maintenance of chain-of-custody and that ACME Labs retains the pulps, among other procedures.

These protocols will be implemented should future drill programs on the project arise, whereby QAQC samples should be sent to the primary laboratory and selected mineralized pulps should be re-assayed at a secondary, independent laboratory.

### 1. Sample Preparation

| Package                 | Description   | Code     | Unit Cost<br>CDN\$ |
|-------------------------|---|----------|--------------------|
| Soils                   | Dry at 60°C, sieve (up to) 100g to -80mesh, up to ¼ kg  |          |                    |
|                         | Soils processed in Dawson City  | SS80-DAW | 2.85               |
|                         | Soils processed in Whitehorse   | SS80-WHI | 1.85               |
|                         | Sieve large samples: 80 mesh per ¼ kg   |          | 0.80               |
| Rock and<br>Drill Cores | Crush 1kg to 80% passing 10mesh, split 250g and pulverize to 85% -200mesh<br>Extra crushing and saving rejects over 1kg. per kg | R200-250 | 6.20               |
|                         |   |          | 0.60               |

### 2. Sample Analysis

| Package                  | Description   | Code              | Unit Cost<br>CDN\$ |
|--------------------------|---|-------------------|--------------------|
| Soils                    | 15g sample, aqua regia digestion, ICPMS finish for low detection limits   | 1DX2              | 15.20              |
| Rocks and<br>Drill Cores | A. Consists of:<br>1. 1DX1 – 0.5g sample, aqua regia digestion, ICPMS analysis<br>2. 3B01 – 30g sample, fire assay, AA or ICP finish (2 – 10,000 ppb) | Geo2<br>(package) | 23.40              |
|                          | B. (Over limit Au > 10,000 ppb)<br>30g sample, fire assay, gravimetric finish   | G601+G612         | 15.85              |

Figure 7: Summary of description and code for Acme Analytical soil and rock analytical packages used by Ethos during the 2011 exploration program.

## 9 Conclusions

Ethos completed a small-scale 65 sample soil sampling program on the Royal 1-12 claim on September 24, 2012 for a total of 2 man-days at a cost of \$6,195.50. The survey indicates anomalous gold-in-soil results spatially

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associated with the felsic intrusion (rhyolite creek complex). Additional work on the Royal property is warranted and recommended. In particular, the Prospector International soil grid should be expanded upslope to the south-west as well as grid soiling the Rhyolite Creek Complex intrusive unit identified by Ryan et al. (2012) as moderately anomalous soils were also identified at the margins of the intrusive unit. If grid soil results identify anomalous areas then 500-1000 meters of mechanized trenching is recommended to test for a bedrock source.

## 10 Statement of Expenditures

A total of \$6,195.50 exclusive of GST/HST was spent on the exploration program (refer to *Table 6*, below).

*Table 6: 2011 Statement of Expenditures, Royal 1-12 claims, Rude Creek property*

| Activity        | Contractor  | Amount             | Invoice ID               |
|-----------------|-------------|--------------------|--------------------------|
| Soil Collection | GroundTruth | \$ 1,357.00        | ROY2011-01               |
| Soil Analysis   | Acme        | \$ 1,852.50        | DAW11000483, DAW11000542 |
| Helicopter      | TransNorth  | \$ 2,552.00        | 52866                    |
| Fuel - Jet A    | TransNorth  | \$ 434.00          | 52866                    |
| <b>TOTAL</b>    |             | <b>\$ 6,195.50</b> |                          |

I certify these expenditures are correct and accurately reflect the costs of work conducted on the Royal 1-12 claims during the period indicated.



Peter Tallman, P.Geo. (NF02366)

## 11 Statement of Qualifications

I, Peter Tallman, of North Vancouver, British Columbia, hereby certify that:

I have supervised or prepared the contents of this report and have reviewed the disclosure for factual material errors or omissions and to the best of my knowledge the information contained herein is correct.

I am Chief Operating Officer of Ethos Gold Corp. (formerly Ethos Capital Corp.) and Qualified Person for the Company as defined by National Instrument 43-101 policy and responsible for technical information contained within this report.

I am a registered member (Reg. #02366) in good standing since 1989 in the Professional Engineers and Geoscientists of Newfoundland and Labrador (PEGNL).

I am a graduate of the University of Western Ontario (1985) with a BSc. (Geology) degree.

I have practiced my profession as a geologist in Canada, central and south America, and Australia seasonally from 1981 to 1984 and continuously since that time.

I have been or remain Senior Officer or Director of Exchange-listed public companies continuously since 1995. I presently own shares and have been granted options to purchase shares in Ethos Gold Corp..

A handwritten signature in black ink, appearing to read 'Peter Tallman', with a period at the end.

Peter Tallman, P.Geo. (NF02366)



## 12 Bibliography

Bennett, V., Schulze, C., Oullette, D. and Pollries, B., 2010. Deconstructing complex Au-Ag-Cu mineralization, Sonora Gulch project, Dawson Range: A Late Cretaceous evolution to the epithermal environment. In: Yukon Exploration and Geology 2009, K.E. MacFarlane, L.H. Weston and L.R. Blackburn (eds.), Yukon Geological Survey, p. 23-45.

Betty Project, Ethos Gold Corporation, 2011. <[www.ethosgold.com/s/betty](http://www.ethosgold.com/s/betty)> [accessed December 22<sup>nd</sup>, 2011].

Bostock, H.S., 1942. Geology of the Ogilvie map area, YT; Geological Survey of Canada Map 711A, 1:250,000-scale.

Campbell, J., Armitage, A. and Barnes, W., 2009. Technical report on the Nucleus property, Freegold Mountain Project, including an updated mineral resource estimate. Northern Freegold Resources (available at [www.sedar.com](http://www.sedar.com)).

Casino Project, Western Copper Corp., 2011. <<http://westerncopperandgold.com/s/home.asp>> [accessed November 14<sup>th</sup> 2011].

Coffee Project, Kaminak Gold Corporation, 2011. <[www.kaminak.com/projects/core\\_projects/yukon\\_gold](http://www.kaminak.com/projects/core_projects/yukon_gold)> [accessed: November 14<sup>th</sup>, 2011].

Couture, J-F., 2011. Technical Report on the Coffee Gold Project, Yukon Territory, Canada. Kaminak Gold Corporation, by SRK Consulting (Canada) Inc. (available at [www.sedar.com](http://www.sedar.com)).

Craig, D.B. and Laporte, P., 1972. Annual Report, Mineral Industry Report 1969-70. Yukon Geological Survey / DIAND. Shelf No. 6A-1, pp 51-53.

Deklerk, R. (compiler), 2011. Yukon MINFILE 2011- A database of mineral occurrences.

Fonseca, A. and Giroux, G.H., 2009. Technical report on the Freegold Mountain property, Dawson Range, Yukon. Northern Freegold Resources (available at [www.sedar.com](http://www.sedar.com)).

Friske, P.W.B., Day, S.J.A., McCurdy, M.W., 2001. Regional stream sediment and water geochemical reconnaissance data, western Yukon (115O and 115N – East Half). Geological Survey of Canada, Open File 1364.

Fulcher, B.C., 1971. Axe and Hill mineral claims, Dawson Range Area, Yukon Territory. Montana Mines Limited, Assessment Report #060223.

Geological Survey of Canada, 1986. Regional Stream Sediment and Water Geochemical Reconnaissance Data, Yukon. Open File 1363, NTW 115J and 115K – East Half.

Gordey, S.P. and Ryan, J.J., 2005. Geology, Stewart River area, Yukon Territory; Geological Survey of Canada, Open File 4970, 1:250,000-scale.

Gordey, S.P. and Makepeace, A.J., (compilers), 2003. Yukon Digital Geology; Geological Survey of Canada, Open File 1749 and Geological Survey Open File 2003-9(D).

## EXPLORATION ASSESSMENT REPORT – RUDE CREEK PROPERTY, YT

- Gordey, S.P., Williams, S.P., Cocking, R. and Ryan, J.J. (compilers), 2006. Digital Geology, Stewart River area, Yukon (vol. 1, DVD-ROM), Geological Survey of Canada, Open File 5122 (DVD-ROM).
- Jaworski, B.J. and Vanwermeskerken, M., 2001. Geological and Geochemical Report on the Rude Creek Intrusion-related gold target, West Central Yukon Territory. Prospector International Resources Inc., Assessment Report #094213.
- Jaworski, B.J. and Meyer, B., 2000. Geological and Geochemical Report on the Rude Creek Intrusion-related gold target, West Central Yukon Territory. Prospector International Resources Inc., Assessment Report #094062.
- Johnston, S.T., 1995. Geological compilation with interpretation from geophysical surveys of the northern Dawson Range, central Yukon (115J/09 & 10; 115I/12; 1:100,000-scale). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 1995-2(G).
- Johnston, S.T. and Shives, R.B.K., 1995. Interpretation of an airborne multiparameter geophysical survey of the northern Dawson Range, central Yukon: A progress report. In: Yukon Exploration & Geology 1994. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 105-111.
- Oliver, T.S., Borntraeger, B., Drielick, T.L., Duke, J.L., Giroux, G.H., Hanks, J.T., Hester, M., Rebagliati, M., 2008. Technical report on the Casino project, pre-feasibility study, Yukon Territory, Canada. Western Copper Corporation, by M3 Engineering and Technology Corporation (available at [www.sedar.com](http://www.sedar.com)).
- Pautler, J., 2011. Technical Report on the Wolf and Betty Properties, Dawson Range, Yukon Territory. Ethos Capital Corp., by J.P. Exploration Services Inc., (available at [www.sedar.com](http://www.sedar.com)).
- Payne, J.G., Gonzalez, R.A., Akhurst, K. and Sisson, W.G., 1987. Geology of Colorado Creek (115J/10), Selwyn River (NTS 115J/9) and Prospector Mountain (115I/5) map areas, western Dawson Range, west-central Yukon; Geological Survey of Canada, Open File 1987-3.
- Revenue Zone, Northern Freegold Resources Ltd., 2011. <[www.northernfreegold.com/s/GoldenRevenue.asp](http://www.northernfreegold.com/s/GoldenRevenue.asp)> [accessed December 22<sup>nd</sup>, 2011].
- Ryan, J.J. and Gordey, S.P., 2004. Geology, Stewart River area, Yukon Territory; Geological Survey of Canada, Open File 4641.
- Ryan, J.J., Zagorevski, A., Roots, C. Knight, E., Hayward, N., Chapman, J., Ciolkiewicz, W. and Williams, S.P. 2012. New geological mapping in the Dawson Range - White Gold district, Yukon; Poster presentation at Mineral Exploration Roundup 2011, January 24, 2012, Vancouver, BC, Canada.
- Shives, R.B.K., Carson, J.M., Ford, K.L., Holman, P.B., Grant, J.A., Gordey, S. and Abbott, G., 2001. Multisensor airborne geophysical survey, Stewart River Area, Yukon, phases 1 and 2. Geological Survey of Canada Open File 4311, Shelf No. 15-63 (AKA: YGS/DIAND Open File 2002-17(D)).
- Shives, R.B.K. and Carson, J.M., 1994. Airborne geophysical survey, Selwyn River, east (NTS 115I/12 and 115J/9) and west (NTS 115I and 115J/10, 11, 14 and 15), Yukon Territory. Geological Survey of Canada, Open File 2816, 119 p.
- Templeman-Kluit, D.J., 1974. Reconnaissance geology of the Aishihik Lake, Snag and part of Stewart River map-areas, west-central Yukon. Geological Survey of Canada, Paper 73-41, 97 pp.

Templeman-Kluit, D.J., 1974. Geology, Stewart River, Yukon. Geological Survey of Canada, Preliminary Map 18-1973, 1:250,000-scale.

Watson, R.K., 1970. Report on an airborne magnetic survey, Libra Claims, White River Area. Marguerite Lake Mines Ltd. (NPL) by Metals, Petroleum & Hydraulic Resources Consulting Ltd., Yukon Assessment Report #060244.

Weiershäuser, L., Nowak, M. Barnett, W., 2010. White Gold Property, Dawson Range, Yukon, Canada. Underworld Resources Ltd., by SRK Consulting (Canada) Inc. and reviewed by G. Arseneau (available at: [www.sedar.com](http://www.sedar.com)).

White Gold Exploration Project, Kinross Gold Corporation, 2011. <[www.kinross.com/operations/dp-white-gold-yukon](http://www.kinross.com/operations/dp-white-gold-yukon)>, [accessed: November 14<sup>th</sup>, 2011].

Yukon MINFILE – Mineral Occurrence Map: 115J & 115K (eastern half) – Snag and Stevenson Ridge (1:250,000-scale), Version 2004-1. Yukon Geological Survey, Energy, Mines and Resources, Yukon Government, 2004.

*Appendix I – Mineral Tenure of the Rude Creek Property*

| <b>Claim Name</b> | <b>Grant Number</b> | <b>Claim Owner</b>                                 | <b>Recording Date</b> | <b>Staking Date</b> | <b>Expiry Date</b> |
|-------------------|---------------------|--|-----------------------|---------------------|--------------------|
| ROYAL 1           | YC60328             | Shawn Ryan - 70%, Wildwood Explorations Inc. - 30% | 19/04/2007            | 31/03/2007          | 19/04/2016         |
| ROYAL 2           | YC60329             | Shawn Ryan - 70%, Wildwood Explorations Inc. - 30% | 19/04/2007            | 31/03/2007          | 19/04/2016         |
| ROYAL 3           | YC60330             | Shawn Ryan - 70%, Wildwood Explorations Inc. - 30% | 19/04/2007            | 31/03/2007          | 19/04/2016         |
| ROYAL 4           | YC60331             | Shawn Ryan - 70%, Wildwood Explorations Inc. - 30% | 19/04/2007            | 31/03/2007          | 19/04/2016         |
| ROYAL 5           | YC60332             | Shawn Ryan - 70%, Wildwood Explorations Inc. - 30% | 19/04/2007            | 31/03/2007          | 19/04/2016         |
| ROYAL 6           | YC60333             | Shawn Ryan - 70%, Wildwood Explorations Inc. - 30% | 19/04/2007            | 31/03/2007          | 19/04/2016         |
| ROYAL 7           | YC60334             | Shawn Ryan - 70%, Wildwood Explorations Inc. - 30% | 19/04/2007            | 31/03/2007          | 19/04/2016         |
| ROYAL 8           | YC60335             | Shawn Ryan - 70%, Wildwood Explorations Inc. - 30% | 19/04/2007            | 31/03/2007          | 19/04/2016         |
| ROYAL 9           | YC60336             | Shawn Ryan - 70%, Wildwood Explorations Inc. - 30% | 19/04/2007            | 31/03/2007          | 19/04/2016         |
| ROYAL 10          | YC60337             | Shawn Ryan - 70%, Wildwood Explorations Inc. - 30% | 19/04/2007            | 31/03/2007          | 19/04/2016         |
| ROYAL 11          | YC60338             | Shawn Ryan - 70%, Wildwood Explorations Inc. - 30% | 19/04/2007            | 31/03/2007          | 19/04/2016         |
| ROYAL 12          | YC60339             | Shawn Ryan - 70%, Wildwood Explorations Inc. - 30% | 19/04/2007            | 31/03/2007          | 19/04/2016         |

*Appendix II – Soil Sample Locations and Descriptions*



| Soils_Loca_Sample ID | Project ID | UTM Zone | UTM Easting | UTM Northing | WGS84_Lon     | WGS84_Lat    | Technician ID | Soil Colour     | Soil Texture | Soil Moisture | Site Slope       | Sample Depth | Sample Horizon | Site Vegetation | Site Cover           | Sample Quality | Note1  | Note2         | Remarks | Duplicate Of |
|----------------------|------------|----------|-------------|--------------|---------------|--------------|---------------|-----------------|--------------|---------------|------------------|--------------|----------------|-----------------|----------------------|----------------|--------|---------------|---------|--------------|
| 1112848 ROY          | 7          |          | 625117      | 6949839      | -138.5580005  | 62.657861419 | LM01          | Chocolate Brown | Sand         | Dry           | Subtle Slope     | 40 C         |                | Dwarf Birch     | Sphagnum Moss < 30cm | Good           | Coarse |               |         |              |
| 1112849 ROY          | 7          |          | 625165      | 6949827      | -138.55707353 | 62.657737499 | LM01          | Chocolate Brown | Sand         | Damp          | Subtle Slope     | 40 C         |                | Dwarf Birch     | Sphagnum Moss < 30cm | Good           | Coarse |               |         |              |
| 1112850 ROY          | 7          |          | 625213      | 6949816      | -138.55614583 | 62.657622541 | LM01          | Dark Brown      | Silt         | Damp          | Subtle Slope     | 20 B         |                | Dwarf Birch     | Reindeer lichen      | Poor           |        |               |         |              |
| 1112901 ROY          | 7          |          | 625262      | 6949819      | -138.55518829 | 62.657632782 | LM01          | Chocolate Brown | Sand         | Dry           | Subtle Slope     | 30 C         |                | Willows         | Reindeer lichen      | Good           | Coarse |               |         |              |
| 1112902 ROY          | 7          |          | 625312      | 6949814      | -138.55421717 | 62.657570935 | LM01          | Chocolate Brown | Sand         | Damp          | Subtle Slope     | 40 C         |                | Dwarf Birch     | Reindeer lichen      | Good           | Coarse |               |         |              |
| 1112903 ROY          | 7          |          | 625362      | 6949819      | -138.55323865 | 62.657598758 | LM01          | Chocolate Brown | Sand         | Damp          | Subtle Slope     | 40 C         |                | No Tree Cover   | Sphagnum Moss < 30cm | Good           | Coarse |               |         |              |
| 1112904 ROY          | 7          |          | 625411      | 6949824      | -138.55227963 | 62.657626914 | LM01          | Chocolate Brown | Sand         | Dry           | Subtle Slope     | 40 C         |                | No Tree Cover   | Bare Soil            | Excellent      | Coarse | Rocky Terrain |         |              |
| 1112905 ROY          | 7          |          | 625455      | 6949847      | -138.55140476 | 62.657818182 | LM01          | Chocolate Brown | Sand         | Dry           | Subtle Slope     | 40 C         |                | No Tree Cover   | Bare Soil            | Excellent      | Coarse | Rocky Terrain |         |              |
| 1112906 ROY          | 7          |          | 625499      | 6949871      | -138.55052913 | 62.658018412 | LM01          | Dark Brown      | Sand         | Dry           | Subtle Slope     | 20 B         |                | Willows         | Sphagnum Moss < 30cm | Poor           |        |               |         |              |
| 1112907 ROY          | 7          |          | 625534      | 6949908      | -138.54981933 | 62.658338282 | LM01          | Chocolate Brown | Sand         | Damp          | Pronounced Slope | 20 C         |                | No Tree Cover   | Reindeer lichen      | Good           |        | Rocky Terrain |         |              |
| 1112908 ROY          | 7          |          | 625560      | 6949951      | -138.54928054 | 62.658715022 | LM01          | Dark Brown      | Sand         | Damp          | Subtle Slope     | 30 B         |                | Willows         | Reindeer lichen      | Poor           |        |               |         |              |
| 1112909 ROY          | 7          |          | 625589      | 6949994      | -138.54868325 | 62.659090737 | LM01          | Chocolate Brown | Sand         | Damp          | Subtle Slope     | 40 B         |                | Willows         | Reindeer lichen      | Good           |        | Clay          |         |              |
| 1112910 ROY          | 7          |          | 625626      | 6950030      | -138.54793515 | 62.659400948 | LM01          | Chocolate Brown | Sand         | Damp          | Subtle Slope     | 5 B          |                | No Tree Cover   | Bare Soil            | Good           | Coarse | Rocky Terrain |         |              |
| 1112911 ROY          | 7          |          | 625656      | 6950070      | -138.54732055 | 62.659749413 | LM01          | Chocolate Brown | Sand         | Damp          | Pronounced Slope | 10 C         |                | No Tree Cover   | Rock Cover           | Good           | Coarse | Rocky Terrain |         |              |
| 1112912 ROY          | 7          |          | 625690      | 6950107      | -138.54663018 | 62.660069608 | LM01          | Chocolate Brown | Sand         | Damp          | Subtle Slope     | 30 C         |                | No Tree Cover   | Rock Cover           | Good           | Coarse | Rocky Terrain |         |              |
| 1112913 ROY          | 7          |          | 625709      | 6950153      | -138.54622558 | 62.660475627 | LM01          | Chocolate Brown | Sand         | Damp          | Subtle Slope     | 40 C         |                | No Tree Cover   | Reindeer lichen      | Good           | Coarse |               |         |              |
| 1112914 ROY          | 7          |          | 625725      | 6950200      | -138.54587872 | 62.660891637 | LM01          | Chocolate Brown | Sand         | Damp          | Subtle Slope     | 30 B         |                | Willows         | Reindeer lichen      | Good           | Coarse | Rocky Terrain |         |              |
| 1112915 ROY          | 7          |          | 625735      | 6950250      | -138.54564661 | 62.661336597 | LM01          | Chocolate Brown | Sand         | Damp          | Subtle Slope     | 40 C         |                | No Tree Cover   | Reindeer lichen      | Good           | Coarse | Rocky Terrain |         |              |
| 1112916 ROY          | 7          |          | 625716      | 6950297      | -138.54598222 | 62.661764556 | LM01          | Dark Brown      | Sand         | Damp          | Subtle Slope     | 30 C         |                | No Tree Cover   | Reindeer lichen      | Good           | Coarse | Rocky         |         |              |
| 1112917 ROY          | 7          |          | 625697      | 6950343      | -138.54631854 | 62.662183546 | LM01          | Dark Brown      | Sand         | Damp          | Pronounced Slope | 50 B         |                | No Tree Cover   | Sphagnum Moss < 30cm | Good           | Coarse | Rocky         |         |              |
| 1112918 ROY          | 7          |          | 625683      | 6950391      | -138.54655559 | 62.662618764 | LM01          | Dark Brown      | Sand         | Damp          | Subtle Slope     | 10 C         |                | No Tree Cover   | Rock Cover           | Good           | Coarse |               |         |              |
| 1112919 ROY          | 7          |          | 625666      | 6950437      | -138.54685326 | 62.663037071 | LM01          | Chocolate Brown | Sand         | Damp          | Pronounced Slope | 30 C         |                | Willows         | Reindeer lichen      | Good           | Coarse |               |         |              |
| 1112920 ROY          | 7          |          | 625652      | 6950485      | -138.54709064 | 62.663472288 | LM01          | Chocolate Brown | Sand         | Damp          | Pronounced Slope | 30 C         |                | No Tree Cover   | Reindeer lichen      | Excellent      | Coarse |               |         |              |
| 1112921 ROY          | 7          |          | 625635      | 6950533      | -138.54738653 | 62.663908529 | LM01          | Chocolate Brown | Sand         | Damp          | Pronounced Slope | 40 B         |                | No Tree Cover   | Sphagnum Moss < 30cm | Good           | Coarse | Rocky Terrain |         |              |
| 1112922 ROY          | 7          |          | 625623      | 6950582      | -138.54758418 | 62.66435203  | LM01          | Chocolate Brown | Sand         | Damp          | Pronounced Slope | 30 C         |                | No Tree Cover   | Reindeer lichen      | Good           | Coarse | Rocky         |         |              |
| 1112923 ROY          | 7          |          | 625602      | 6950628      | -138.54795957 | 62.664771699 | LM01          | Chocolate Brown | Sand         | Damp          | Pronounced Slope | 30 C         |                | No Tree Cover   | Sphagnum Moss < 30cm | Good           | Coarse | Rocky         |         |              |
| 1112924 ROY          | 7          |          | 625582      | 6950674      | -138.54831547 | 62.665191026 | LM01          | Dark Brown      | Sand         | Damp          | Pronounced Slope | 30 C         |                | No Tree Cover   | Reindeer lichen      | Good           | Coarse | Rocky         |         |              |
| 1112925 ROY          | 7          |          | 625554      | 6950715      | -138.54883111 | 62.665568243 | LM01          | Chocolate Brown | Sand         | Damp          | Pronounced Slope | 30 C         |                | No Tree Cover   | Rock Cover           | Good           | Coarse | Rocky         |         |              |
| 1112926 ROY          | 7          |          | 625554      | 6950715      | -138.54883111 | 62.665568243 | LM01          | Chocolate Brown | Sand         | Damp          | Pronounced Slope | 30 C         |                | No Tree Cover   | Rock Cover           | Good           | Coarse | Rocky         | 1112926 | 1112926      |
| 1112927 ROY          | 7          |          | 625537      | 6950764      | -138.54912629 | 62.666013447 | LM01          | Chocolate Brown | Sand         | Damp          | Pronounced Slope | 20 C         |                | No Tree Cover   | Rock Cover           | Good           | Coarse | Rocky         |         |              |
| 1112928 ROY          | 7          |          | 625512      | 6950808      | -138.54958122 | 62.666416541 | LM01          | Dark Brown      | Sand         | Damp          | Subtle Slope     | 30 C         |                | Willows         | Reindeer lichen      | Good           | Coarse | Rocky         |         |              |
| 1112929 ROY          | 7          |          | 625509      | 6950857      | -138.5496034  | 62.666856971 | LM01          | Chocolate Brown | Sand         | Damp          | Pronounced Slope | 30 C         |                | No Tree Cover   | Sphagnum Moss < 30cm | Excellent      | Coarse | Rocky         |         |              |
| 1191701 ROY          | 7          |          | 624950      | 6949858      | -138.56124242 | 62.658088498 | ME01          | Chocolate Brown | Silt         | Dry           | Subtle Slope     | 50 B         |                | No Tree Cover   | Sphagnum Moss < 30cm | Good           | Coarse | Rocky Terrain |         |              |
| 1191702 ROY          | 7          |          | 624988      | 6949893      | -138.56047572 | 62.658389469 | ME01          | Chocolate Brown | Silt         | Dry           | Subtle Slope     | 30 B         |                | Dwarf Birch     | Sphagnum Moss < 30cm | Good           | Coarse | Rocky Terrain |         |              |
| 1191703 ROY          | 7          |          | 625023      | 6949929      | -138.55976675 | 62.658700423 | ME01          | Chocolate Brown | Silt         | Dry           | Subtle Slope     | 60 B         |                | Dwarf Birch     | Sphagnum Moss < 30cm | Good           | Coarse | Rocky Terrain |         |              |
| 1191704 ROY          | 7          |          | 625017      | 6949980      | -138.5598461  | 62.659159806 | ME01          | Chocolate Brown | Sand         | Damp          | Subtle Slope     | 50 C         |                | No Tree Cover   | Sphagnum Moss < 30cm | Excellent      | Sandy  | Coarse        |         |              |
| 1191705 ROY          | 7          |          | 625001      | 6950027      | -138.56012337 | 62.659586714 | ME01          | Chocolate Brown | Silt         | Damp          | Subtle Slope     | 80 C         |                | No Tree Cover   | Sphagnum Moss < 30cm | Good           | Sandy  | Coarse        |         |              |
| 1191706 ROY          | 7          |          | 624984      | 6950074      | -138.56042015 | 62.66001396  | ME01          | Chocolate Brown | Sand         | Dry           | Subtle Slope     | 70 C         |                | No Tree Cover   | Sphagnum Moss < 30cm | Excellent      | Coarse | Sandy         |         |              |
| 1191707 ROY          | 7          |          | 624984      | 6950074      | -138.56042015 | 62.66001396  | ME01          | Chocolate Brown | Sand         | Dry           | Subtle Slope     | 70 C         |                | No Tree Cover   | Sphagnum Moss < 30cm | Excellent      | Sandy  | Coarse        | 1191706 | 1191706      |
| 1191708 ROY          | 7          |          | 624968      | 6950121      | -138.56069744 | 62.660440866 | ME01          | Chocolate Brown | Silt         | Damp          | Subtle Slope     | 50 B         |                | No Tree Cover   | Sphagnum Moss < 30cm | Good           | Coarse | Mud           |         |              |
| 1191709 ROY          | 7          |          | 624952      | 6950168      | -138.56097474 | 62.660867772 | ME01          | Chocolate Brown | Silt         | Damp          | Subtle Slope     | 50 B         |                | Dwarf Birch     | Sphagnum Moss < 30cm | Good           | Coarse | Rocky Terrain |         |              |
| 1191710 ROY          | 7          |          | 624933      | 6950215      | -138.56131054 | 62.661295695 | ME01          | Chocolate Brown | Silt         | Dry           | Subtle Slope     | 50 B         |                | Dwarf Birch     | Sphagnum Moss < 30cm | Good           | Coarse | Rocky         |         |              |
| 1191711 ROY          | 7          |          | 624917      | 6950262      | -138.56158786 | 62.6617226   | ME01          | Chocolate Brown | Silt         | Dry           | Subtle Slope     | 50 B         |                | Dwarf Birch     | Sphagnum Moss < 30cm | Good           | Coarse | Rocky         |         |              |
| 1191712 ROY          | 7          |          | 624890      | 6950305      | -138.56208263 | 62.662117364 | ME01          | Dark Brown      | Silt         | Wet           | Subtle Slope     | 70 B         |                | No Tree Cover   | Sphagnum Moss < 30cm | Good           | Coarse | Wet Soil      |         |              |
| 1191713 ROY          | 7          |          | 624857      | 6950343      | -138.56269809 | 62.662469324 | ME01          | Chocolate Brown | Silt         | Dry           | Subtle Slope     | 40 B         |                | Dwarf Birch     | Reindeer Moss        | Good           | Coarse | Rocky Terrain |         |              |
| 1191714 ROY          | 7          |          | 624824      | 6950381      | -138.56331357 | 62.66282128  | ME01          | Chocolate Brown | Silt         | Dry           | Subtle Slope     | 40 B         |                | Dwarf Birch     | Reindeer Moss        | Good           | Coarse | Rocky Terrain |         |              |
| 1191715 ROY          | 7          |          | 624778      | 6950403      | -138.56419436 | 62.663034158 | ME01          | Chocolate Brown | Silt         | Dry           | Subtle Slope     | 40 B         |                | No Tree Cover   | Thin Moss Cover      | Good           | Coarse | Rocky         |         |              |
| 1191716 ROY          | 7          |          | 624733      | 6950424      | -138.56505639 | 62.663237724 | ME01          | Reddish Brown   | Silt         | Dry           | Subtle Slope     | 40 B         |                | No Tree Cover   | Rock Cover           | Good           | Coarse | Rocky Terrain |         |              |
| 1191717 ROY          | 7          |          | 624689      | 6950449      | -138.56589599 | 62.663476817 | ME01          | Chocolate Brown | Silt         | Dry           | Subtle Slope     | 50 B         |                | Dwarf Birch     | Reindeer Moss        | Good           | Coarse | Rocky Terrain |         |              |
| 1191718 ROY          | 7          |          | 624652      | 6950482      | -138.56659322 | 62.663785276 | ME01          | Chocolate Brown | Silt         | Dry           | Subtle Slope     | 30 B         |                | Dwarf Birch     | Sphagnum Moss < 30cm | Poor           | Fine   | Rocky Terrain |         |              |
| 1191719 ROY          | 7          |          | 624615      | 6950515      | -138.56729045 | 62.664093731 | ME01          | Dark Blue Black | Silt         | Dry           | Subtle Slope     | 50 B         |                | Dwarf Birch     | Thin Moss Cover      | Good           | Coarse | Rocky Terrain |         |              |
| 1191720 ROY          | 7          |          | 624578      | 6950549      | -138.56798697 | 62.664411151 | ME01          | Chocolate Brown | Silt         | Dry           | Subtle Slope     | 30 B         |                | No Tree Cover   | Bare Soil            | Good           | Coarse | Rocky Terrain |         |              |
| 1191721 ROY          | 7          |          | 624538      | 6950583      | -138.568742   | 62.664729582 | ME01          | Chocolate Brown | Silt         | Dry           | Subtle Slope     | 40 B         |                | No Tree Cover   | Reindeer Moss        | Good           | Coarse | Rocky Terrain |         |              |
| 1191722 ROY          | 7          |          | 624495      | 6950608      | -138.56956217 | 62.664968315 | ME01          | Chocolate Brown | Silt         | Dry           | Subtle Slope     | 30 B         |                | No Tree Cover   | Reindeer Moss        | Good           | Coarse | Rocky Terrain |         |              |
| 1191723 ROY          | 7          |          | 624460      | 6950644      | -138.57021826 | 62.665302983 | ME01          | Chocolate Brown | Silt         | Dry           | Subtle Slope     | 50 B         |                | Dwarf Birch     | Reindeer Moss        | Good           | Coarse | Rocky Terrain |         |              |
| 1191724 ROY          | 7          |          | 624427      | 6950682      | -138.57083389 | 62.665654907 | ME01          | Chocolate Brown | Silt         | Dry           | Subtle Slope     | 40 B         |                | Dwarf Birch     | Reindeer Moss        | Good           | Coarse | Rocky Terrain |         |              |
| 1191725 ROY          | 7          |          | 624391      | 6950717      | -138.57151024 | 62.66598094  | ME01          | Chocolate Brown | Silt         | Dry           | Subtle Slope     | 50 B         |                | Dwarf Birch     | Sphagnum Moss < 30cm | Good           | Coarse | Rocky         |         |              |
| 1191726 ROY          | 7          |          | 624359      | 6950757      | -138.57210492 | 62.666350456 | ME01          | Chocolate Brown | Silt         | Dry           | Subtle Slope     | 30 B         |                | Dwarf Birch     | Reindeer Moss        | Good           | Coarse | Rocky Terrain |         |              |
| 1191727 ROY          | 7          |          | 624359      | 6950807      | -138.57206819 | 62.666798839 | ME01          | Chocolate Brown | Silt         | Dry           | Subtle Slope     | 40 B         |                | Dwarf Birch     | Sphagnum Moss < 30cm | Good           | Coarse | Rocky Terrain |         |              |
| 1191728 ROY          | 7          |          | 624366      | 6950856      | -138.57189568 | 62.667235889 | ME01          | Chocolate Brown | Silt         | Dry           | Subtle Slope     | 40 B         |                | Dwarf Birch     | Reindeer Moss        | Good           | Coarse | Rocky Terrain |         |              |
| 1191729 ROY          | 7          |          | 624369      | 6950906      | -138.57180043 | 62.667683258 | ME01          | Chocolate Brown | Silt         | Dry           | Subtle Slope     | 40 B         |                | Dwarf Birch     | Thin Moss Cover      | Poor           | Fine   | Rocky Terrain |         |              |
| 1191730 ROY          | 7          |          | 624372      | 6950956      | -138.57170519 | 62.668130627 | ME01          | Chocolate Brown | Silt         | Dry           | Subtle Slope     | 50 B         |                | Dwarf Birch     | Sphagnum Moss < 30cm | Good           | Coarse | Rocky Terrain |         |              |
| 1191731 ROY          | 7          |          | 624371      | 6951006      | -138.57168795 | 62.668579347 | ME01          | Chocolate Brown | Silt         | Dry           | Subtle Slope     | 30 B         |                | Dwarf Birch     | Reindeer Moss        | Good           | Coarse | Rocky Terrain |         |              |
| 1191732 ROY          | 7          |          | 624366      | 6951057      | -138.571748   | 62.669038387 | ME01          | Chocolate Brown | Silt         | Dry           | Subtle Slope     | 40 B         |                | Dwarf Birch     | Reindeer Moss        | Good           | Coarse | Rocky Terrain |         |              |
| 1191733 ROY          | 7          |          | 624363      | 6951097      | -138.5717712  | 62.669398106 | ME01          | Chocolate Brown | Sand         | Dry           | Subtle Slope     | 70 C         |                | Dwarf Birch     | Sphagnum Moss < 30cm | Excellent      | Coarse | Sandy         |         |              |

*Appendix III – Soil Sample Assay Certificates*



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

**Client:** Ethos Capital Corp.  
Suite 680-789 West Pender St  
Vancouver BC V6C 1H2 Canada

Submitted By: Peter Tallman  
Receiving Lab: Canada-Dawson City  
Received: September 25, 2011  
Report Date: January 04, 2012  
Page: 1 of 3

# CERTIFICATE OF ANALYSIS

DAW11000483.2

## CLIENT JOB INFORMATION

Project: ROY  
Shipment ID: ROY2011-02  
P.O. Number: NA  
Number of Samples: 33

## SAMPLE DISPOSAL

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

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

Invoice To: Ethos Capital Corp.  
Suite 680-789 West Pender St  
Vancouver BC V6C 1H2  
Canada

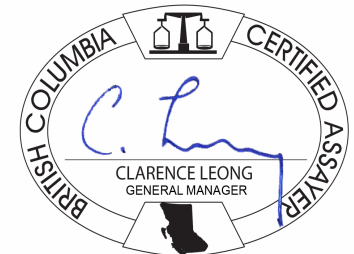
CC:

## SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                           | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--|--------------|---------------|-----|
| Dry at 60C  | 33                | Dry at 60C                                 |              |               | VAN |
| SS80        | 33                | Dry at 60C sieve 100g to -80 mesh          |              |               | VAN |
| 1DX2        | 33                | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15           | Completed     | VAN |

## ADDITIONAL COMMENTS

Version 2: 1DX2 U included.



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: **Ethos Capital Corp.**  
 Suite 680-789 West Pender St  
 Vancouver BC V6C 1H2 Canada

Project: ROY  
 Report Date: January 04, 2012

Page: 2 of 3 Part 1

CERTIFICATE OF ANALYSIS

DAW11000483.2

| Method  | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |         | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
| Unit    |         | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |       |
| MDL     |         | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 2     | 0.01  | 0.001 |       |
| 1191701 | Soil    | 0.7   | 19.7  | 10.7  | 52    | <0.1  | 24.4  | 11.1  | 374   | 2.93  | 10.1  | 1.2   | 33.1  | 5.0   | 19    | 0.3   | 0.4   | 0.9   | 67    | 0.31  | 0.086 |
| 1191702 | Soil    | 2.9   | 19.0  | 11.6  | 56    | <0.1  | 19.6  | 9.5   | 292   | 2.86  | 10.5  | 2.0   | 12.0  | 3.7   | 29    | 0.1   | 0.6   | 1.4   | 78    | 0.25  | 0.072 |
| 1191703 | Soil    | 1.4   | 13.6  | 12.3  | 55    | <0.1  | 17.3  | 10.5  | 381   | 2.88  | 8.8   | 1.6   | 22.9  | 5.1   | 18    | 0.2   | 0.4   | 0.8   | 76    | 0.27  | 0.052 |
| 1191704 | Soil    | 4.5   | 11.8  | 12.7  | 48    | <0.1  | 13.6  | 18.2  | 1682  | 3.37  | 8.7   | 4.9   | 7.2   | 6.5   | 29    | 0.2   | 0.5   | 0.9   | 78    | 0.37  | 0.092 |
| 1191705 | Soil    | 5.2   | 15.0  | 13.8  | 53    | 0.2   | 17.3  | 15.6  | 559   | 3.65  | 9.3   | 5.1   | 7.0   | 9.2   | 29    | 0.1   | 0.6   | 1.0   | 88    | 0.37  | 0.104 |
| 1191706 | Soil    | 1.6   | 13.1  | 13.0  | 61    | 0.3   | 14.3  | 9.5   | 722   | 3.26  | 9.1   | 5.8   | 9.1   | 13.6  | 35    | 0.1   | 0.7   | 1.0   | 83    | 0.45  | 0.091 |
| 1191707 | Soil    | 2.0   | 15.4  | 14.3  | 61    | 0.4   | 15.7  | 11.0  | 872   | 3.47  | 10.4  | 6.9   | 18.0  | 12.7  | 34    | 0.1   | 0.7   | 1.2   | 88    | 0.48  | 0.098 |
| 1191708 | Soil    | 3.2   | 21.2  | 19.8  | 61    | 0.3   | 22.6  | 12.0  | 363   | 3.47  | 15.5  | 9.0   | 5.3   | 7.6   | 24    | 0.1   | 0.9   | 1.2   | 95    | 0.30  | 0.082 |
| 1191709 | Soil    | 3.1   | 31.3  | 21.7  | 65    | 0.4   | 24.8  | 10.6  | 393   | 2.71  | 12.1  | 14.1  | 4.4   | 4.9   | 37    | 0.3   | 0.7   | 1.1   | 88    | 0.41  | 0.100 |
| 1191710 | Soil    | 4.8   | 37.0  | 26.8  | 82    | 0.4   | 30.0  | 18.4  | 1086  | 3.64  | 20.9  | 11.4  | 3.4   | 5.6   | 44    | 0.2   | 0.8   | 1.4   | 98    | 0.57  | 0.113 |
| 1191711 | Soil    | 3.3   | 27.7  | 21.6  | 78    | 0.3   | 28.7  | 16.0  | 887   | 3.53  | 15.2  | 7.6   | 2.9   | 5.2   | 42    | 0.2   | 0.6   | 0.9   | 93    | 0.54  | 0.101 |
| 1191712 | Soil    | 4.2   | 23.0  | 20.3  | 60    | 0.4   | 24.6  | 15.5  | 588   | 3.27  | 16.2  | 8.8   | 3.1   | 8.3   | 33    | 0.2   | 0.5   | 1.1   | 81    | 0.44  | 0.086 |
| 1191713 | Soil    | 1.9   | 28.1  | 17.7  | 73    | 0.5   | 25.5  | 14.1  | 873   | 3.47  | 22.2  | 10.8  | 5.7   | 6.7   | 64    | 0.2   | 0.6   | 1.5   | 76    | 0.75  | 0.112 |
| 1191714 | Soil    | 1.3   | 28.6  | 11.4  | 62    | 0.2   | 28.5  | 14.4  | 664   | 3.32  | 12.1  | 3.3   | 6.5   | 5.6   | 26    | 0.2   | 0.5   | 0.4   | 83    | 0.31  | 0.067 |
| 1191715 | Soil    | 1.1   | 22.8  | 12.7  | 57    | <0.1  | 27.2  | 13.1  | 617   | 3.36  | 11.8  | 1.6   | 4.3   | 5.5   | 32    | 0.2   | 0.5   | 0.4   | 82    | 0.32  | 0.064 |
| 1191716 | Soil    | 2.9   | 19.7  | 21.2  | 54    | <0.1  | 21.6  | 10.2  | 450   | 3.55  | 12.6  | 1.4   | 5.2   | 4.2   | 31    | 0.2   | 0.7   | 0.4   | 105   | 0.30  | 0.045 |
| 1191717 | Soil    | 3.6   | 22.8  | 12.7  | 61    | 0.1   | 20.9  | 11.4  | 775   | 3.16  | 13.4  | 1.3   | 4.4   | 3.1   | 88    | 0.2   | 0.7   | 0.6   | 89    | 0.54  | 0.081 |
| 1191718 | Soil    | 5.2   | 19.8  | 14.4  | 56    | 0.2   | 16.7  | 10.8  | 702   | 3.18  | 18.3  | 1.7   | 15.5  | 3.0   | 77    | 0.8   | 0.7   | 2.0   | 83    | 0.49  | 0.066 |
| 1191719 | Soil    | 2.5   | 20.0  | 23.6  | 57    | 0.2   | 18.3  | 10.3  | 480   | 3.07  | 20.7  | 2.9   | 5.5   | 2.4   | 50    | 0.3   | 0.6   | 0.9   | 74    | 0.43  | 0.071 |
| 1191720 | Soil    | 1.2   | 22.5  | 12.0  | 55    | 0.1   | 25.4  | 11.0  | 485   | 3.19  | 10.3  | 1.6   | 2.5   | 5.2   | 20    | 0.3   | 0.4   | 0.8   | 83    | 0.26  | 0.052 |
| 1191721 | Soil    | 2.9   | 25.6  | 14.7  | 70    | 0.3   | 22.1  | 13.6  | 997   | 2.99  | 12.3  | 2.2   | 2.2   | 0.4   | 34    | 0.3   | 0.7   | 0.7   | 66    | 0.35  | 0.113 |
| 1191722 | Soil    | 1.6   | 28.5  | 33.2  | 93    | 0.3   | 28.0  | 15.8  | 822   | 3.33  | 21.9  | 3.9   | 49.9  | 4.0   | 34    | 0.3   | 0.7   | 1.7   | 80    | 0.36  | 0.097 |
| 1191723 | Soil    | 1.6   | 21.2  | 17.4  | 51    | 0.3   | 16.5  | 8.9   | 398   | 2.85  | 15.4  | 2.5   | 6.9   | 3.2   | 41    | 0.4   | 0.8   | 0.6   | 68    | 0.32  | 0.057 |
| 1191724 | Soil    | 2.3   | 24.7  | 25.2  | 66    | 0.5   | 26.9  | 16.0  | 784   | 3.36  | 21.1  | 3.6   | 3.9   | 5.0   | 36    | 0.3   | 0.7   | 1.3   | 87    | 0.30  | 0.072 |
| 1191725 | Soil    | 0.9   | 20.6  | 10.4  | 54    | <0.1  | 23.3  | 11.6  | 508   | 3.14  | 10.4  | 1.6   | 9.3   | 6.1   | 27    | 0.2   | 0.5   | 0.8   | 75    | 0.37  | 0.073 |
| 1191726 | Soil    | 3.6   | 17.5  | 15.3  | 48    | 0.5   | 16.3  | 9.7   | 513   | 2.88  | 31.4  | 2.5   | 2.3   | 2.9   | 30    | 0.5   | 0.8   | 2.9   | 66    | 0.23  | 0.061 |
| 1191727 | Soil    | 1.6   | 11.2  | 8.9   | 24    | 0.3   | 7.3   | 2.7   | 110   | 1.29  | 15.4  | 0.9   | 1.7   | 0.4   | 15    | 0.1   | 0.5   | 1.2   | 50    | 0.17  | 0.035 |
| 1191728 | Soil    | 1.8   | 14.6  | 18.8  | 39    | 0.4   | 10.5  | 5.1   | 322   | 2.16  | 28.9  | 1.4   | 20.2  | 1.7   | 13    | 0.2   | 0.9   | 2.8   | 64    | 0.15  | 0.044 |
| 1191729 | Soil    | 1.7   | 12.0  | 18.2  | 32    | 2.0   | 7.4   | 3.7   | 160   | 1.55  | 45.8  | 1.2   | 58.5  | 1.4   | 12    | 0.2   | 1.5   | 13.9  | 52    | 0.12  | 0.044 |
| 1191730 | Soil    | 3.0   | 22.6  | 16.9  | 65    | 0.3   | 21.9  | 13.4  | 860   | 3.05  | 13.9  | 5.5   | 4.6   | 1.9   | 40    | 0.2   | 0.4   | 1.4   | 62    | 0.40  | 0.084 |

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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: **Ethos Capital Corp.**  
Suite 680-789 West Pender St  
Vancouver BC V6C 1H2 Canada

Project: ROY  
Report Date: January 04, 2012

Page: 2 of 3 Part 2

CERTIFICATE OF ANALYSIS

DAW11000483.2

| Method<br>Analyte | Unit | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                   |      | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
| MDL               |      | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |       |
|                   |      | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.05  | 1     | 0.5   | 0.2   |       |
| 1191701           | Soil | 11    | 35    | 0.60  | 103   | 0.098 | 2     | 2.35  | 0.015 | 0.07  | 0.4   | 0.04  | 3.1   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 1191702           | Soil | 10    | 32    | 0.50  | 82    | 0.099 | 1     | 1.62  | 0.014 | 0.07  | 0.3   | 0.04  | 2.6   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 1191703           | Soil | 11    | 33    | 0.58  | 102   | 0.131 | 2     | 2.04  | 0.011 | 0.08  | 0.2   | 0.02  | 3.0   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 1191704           | Soil | 17    | 31    | 0.64  | 222   | 0.098 | 2     | 1.89  | 0.014 | 0.11  | 0.2   | 0.03  | 3.8   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 1191705           | Soil | 19    | 37    | 0.70  | 190   | 0.109 | 1     | 2.47  | 0.013 | 0.11  | 0.2   | 0.06  | 4.6   | 0.4   | <0.05 | 8     | <0.5  | <0.2  |
| 1191706           | Soil | 22    | 26    | 0.76  | 166   | 0.140 | <1    | 2.12  | 0.018 | 0.22  | 0.2   | 0.01  | 4.4   | 0.4   | <0.05 | 7     | <0.5  | <0.2  |
| 1191707           | Soil | 23    | 31    | 0.80  | 177   | 0.132 | 1     | 2.38  | 0.017 | 0.19  | 0.2   | 0.03  | 5.0   | 0.4   | <0.05 | 8     | <0.5  | <0.2  |
| 1191708           | Soil | 23    | 42    | 0.76  | 187   | 0.112 | 2     | 2.85  | 0.014 | 0.10  | 0.2   | 0.05  | 5.6   | 0.3   | <0.05 | 8     | 1.0   | <0.2  |
| 1191709           | Soil | 37    | 43    | 0.75  | 215   | 0.088 | 2     | 3.09  | 0.018 | 0.11  | 0.2   | 0.06  | 5.1   | 0.3   | 0.10  | 8     | <0.5  | <0.2  |
| 1191710           | Soil | 33    | 45    | 0.81  | 287   | 0.087 | 3     | 3.30  | 0.019 | 0.12  | 0.2   | 0.06  | 5.8   | 0.3   | 0.05  | 9     | <0.5  | <0.2  |
| 1191711           | Soil | 24    | 43    | 0.72  | 364   | 0.092 | <1    | 2.84  | 0.018 | 0.12  | 0.2   | 0.04  | 4.6   | 0.3   | <0.05 | 8     | <0.5  | <0.2  |
| 1191712           | Soil | 26    | 40    | 0.64  | 221   | 0.065 | <1    | 2.66  | 0.014 | 0.10  | 0.2   | 0.06  | 5.1   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 1191713           | Soil | 31    | 34    | 0.77  | 271   | 0.092 | 2     | 3.13  | 0.019 | 0.14  | 0.3   | 0.04  | 4.6   | 0.3   | 0.05  | 7     | 0.6   | <0.2  |
| 1191714           | Soil | 16    | 40    | 0.69  | 160   | 0.116 | <1    | 2.36  | 0.019 | 0.09  | 0.3   | 0.03  | 4.0   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 1191715           | Soil | 12    | 38    | 0.63  | 116   | 0.119 | 1     | 2.48  | 0.018 | 0.09  | 0.2   | 0.04  | 3.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 1191716           | Soil | 10    | 34    | 0.43  | 111   | 0.144 | 2     | 2.11  | 0.011 | 0.07  | 0.1   | 0.04  | 2.6   | 0.2   | <0.05 | 10    | <0.5  | <0.2  |
| 1191717           | Soil | 11    | 34    | 0.64  | 210   | 0.140 | 2     | 1.57  | 0.016 | 0.11  | 0.3   | 0.04  | 2.6   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 1191718           | Soil | 9     | 27    | 0.54  | 231   | 0.119 | 3     | 1.42  | 0.019 | 0.12  | 0.2   | 0.08  | 2.5   | 0.2   | 0.06  | 7     | <0.5  | <0.2  |
| 1191719           | Soil | 11    | 29    | 0.47  | 117   | 0.080 | <1    | 1.74  | 0.015 | 0.08  | 0.3   | 0.05  | 2.3   | 0.2   | <0.05 | 7     | <0.5  | <0.2  |
| 1191720           | Soil | 10    | 35    | 0.56  | 113   | 0.113 | 3     | 2.53  | 0.015 | 0.07  | 0.2   | 0.04  | 3.1   | 0.1   | <0.05 | 7     | <0.5  | <0.2  |
| 1191721           | Soil | 9     | 29    | 0.50  | 161   | 0.028 | 1     | 1.94  | 0.017 | 0.10  | 0.1   | 0.09  | 1.3   | 0.2   | 0.08  | 7     | 0.6   | <0.2  |
| 1191722           | Soil | 14    | 33    | 0.75  | 142   | 0.104 | 2     | 2.43  | 0.016 | 0.12  | 0.2   | 0.05  | 3.0   | 0.3   | <0.05 | 7     | <0.5  | <0.2  |
| 1191723           | Soil | 11    | 25    | 0.52  | 137   | 0.086 | 2     | 2.03  | 0.017 | 0.09  | 0.2   | 0.07  | 2.5   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 1191724           | Soil | 15    | 35    | 0.66  | 174   | 0.106 | 3     | 2.65  | 0.014 | 0.12  | 0.2   | 0.07  | 3.5   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 1191725           | Soil | 12    | 31    | 0.58  | 110   | 0.118 | 1     | 1.93  | 0.017 | 0.08  | 0.3   | 0.04  | 2.7   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 1191726           | Soil | 10    | 26    | 0.45  | 129   | 0.070 | 2     | 1.77  | 0.013 | 0.09  | 0.2   | 0.06  | 2.2   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 1191727           | Soil | 6     | 15    | 0.12  | 77    | 0.054 | <1    | 0.66  | 0.013 | 0.04  | 0.1   | 0.04  | 1.0   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 1191728           | Soil | 9     | 21    | 0.22  | 80    | 0.062 | 1     | 1.15  | 0.009 | 0.05  | 0.1   | 0.04  | 1.5   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 1191729           | Soil | 8     | 15    | 0.15  | 60    | 0.049 | 1     | 0.78  | 0.009 | 0.06  | 0.4   | 0.08  | 1.2   | 0.1   | <0.05 | 5     | <0.5  | <0.2  |
| 1191730           | Soil | 17    | 32    | 0.54  | 204   | 0.042 | 3     | 2.40  | 0.014 | 0.08  | 0.3   | 0.05  | 2.5   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |

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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: **Ethos Capital Corp.**  
 Suite 680-789 West Pender St  
 Vancouver BC V6C 1H2 Canada

Project: ROY  
 Report Date: January 04, 2012

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CERTIFICATE OF ANALYSIS

DAW11000483.2

| Method  | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |         | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
| Unit    |         | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
| MDL     |         | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001 |
| 1191731 | Soil    | 2.3   | 17.0  | 12.3  | 59    | 0.2   | 18.3  | 10.5  | 667   | 2.73  | 7.0   | 5.6   | 5.1   | 2.6   | 46    | 0.3   | 0.4   | 0.7   | 66    | 0.45  | 0.070 |
| 1191732 | Soil    | 1.2   | 10.5  | 8.3   | 25    | 0.1   | 8.8   | 3.5   | 156   | 1.61  | 6.3   | 1.3   | 4.8   | 1.1   | 21    | 0.4   | 0.4   | 0.5   | 50    | 0.16  | 0.056 |
| 1191733 | Soil    | 1.1   | 20.9  | 10.6  | 59    | 0.1   | 20.6  | 11.9  | 641   | 2.97  | 12.5  | 3.5   | 7.2   | 6.9   | 48    | 0.3   | 0.6   | 1.7   | 63    | 0.41  | 0.075 |



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:** Ethos Capital Corp.  
 Suite 680-789 West Pender St  
 Vancouver BC V6C 1H2 Canada

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**Report Date:** January 04, 2012

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**CERTIFICATE OF ANALYSIS**

**DAW11000483.2**

|         | Method | 1DX15   |     |      |      |       |       |      |       |       |      |      |      |      |       |   |      |      |     |
|---------|--------|---------|-----|------|------|-------|-------|------|-------|-------|------|------|------|------|-------|---|------|------|-----|
|         |        | Analyte | La  | Cr   | Mg   | Ba    | Ti    | B    | Al    | Na    | K    | W    | Hg   | Sc   | Tl    | S | Ga   | Se   | Te  |
|         |        | Unit    | ppm | ppm  | %    | ppm   | %     | ppm  | %     | %     | %    | ppm  | ppm  | ppm  | ppm   | % | ppm  | ppm  | ppm |
|         |        | MDL     | 1   | 1    | 0.01 | 1     | 0.001 | 1    | 0.01  | 0.001 | 0.01 | 0.1  | 0.01 | 0.1  | 0.05  | 1 | 0.5  | 0.2  |     |
| 1191731 | Soil   | 19      | 32  | 0.56 | 217  | 0.075 | 2     | 2.26 | 0.015 | 0.07  | 0.2  | 0.04 | 2.8  | 0.2  | <0.05 | 7 | <0.5 | <0.2 |     |
| 1191732 | Soil   | 6       | 18  | 0.20 | 74   | 0.055 | 2     | 0.87 | 0.011 | 0.05  | 0.4  | 0.05 | 1.4  | <0.1 | <0.05 | 5 | <0.5 | <0.2 |     |
| 1191733 | Soil   | 15      | 27  | 0.67 | 137  | 0.089 | 3     | 2.17 | 0.021 | 0.09  | 0.3  | 0.02 | 2.8  | 0.2  | <0.05 | 5 | <0.5 | <0.2 |     |





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:** Ethos Capital Corp.  
Suite 680-789 West Pender St  
Vancouver BC V6C 1H2 Canada

**Project:** ROY

**Report Date:** January 04, 2012

**Page:** 1 of 1 **Part** 1

# QUALITY CONTROL REPORT

DAW11000483.2

| Method              | 1DX15    | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  |
|---------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Analyte             | Mo       | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |        |
| Unit                | ppm      | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |        |
| MDL                 | 0.1      | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001 |        |
| Pulp Duplicates     |          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 1191714             | Soil     | 1.3   | 28.6  | 11.4  | 62    | 0.2   | 28.5  | 14.4  | 664   | 3.32  | 12.1  | 3.3   | 6.5   | 5.6   | 26    | 0.2   | 0.5   | 0.4   | 83    | 0.31  | 0.067  |
| REP 1191714         | QC       | 1.2   | 25.9  | 11.5  | 61    | 0.2   | 26.5  | 13.5  | 649   | 3.28  | 11.3  | 3.3   | 5.0   | 5.6   | 26    | 0.1   | 0.5   | 0.4   | 79    | 0.31  | 0.065  |
| 1191730             | Soil     | 3.0   | 22.6  | 16.9  | 65    | 0.3   | 21.9  | 13.4  | 860   | 3.05  | 13.9  | 5.5   | 4.6   | 1.9   | 40    | 0.2   | 0.4   | 1.4   | 62    | 0.40  | 0.084  |
| REP 1191730         | QC       | 3.0   | 20.8  | 16.9  | 64    | 0.3   | 20.0  | 12.7  | 835   | 3.00  | 13.9  | 5.3   | 3.5   | 1.9   | 38    | 0.4   | 0.6   | 1.4   | 60    | 0.43  | 0.082  |
| Reference Materials |          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| STD DS8             | Standard | 15.0  | 108.6 | 126.3 | 348   | 1.9   | 38.6  | 7.8   | 702   | 2.69  | 26.6  | 3.2   | 115.4 | 7.2   | 75    | 2.2   | 5.7   | 7.7   | 48    | 0.82  | 0.085  |
| STD DS8 Expected    |          | 13.44 | 110   | 123   | 312   | 1.69  | 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    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |



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:** Ethos Capital Corp.  
Suite 680-789 West Pender St  
Vancouver BC V6C 1H2 Canada

**Project:** ROY

**Report Date:** January 04, 2012

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# QUALITY CONTROL REPORT

DAW11000483.2

| Method              | 1DX15    | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------|-------|-------|--------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
| Analyte             | La       | Cr    | Mg    | Ba     | Ti    | B      | Al    | Na    | K      | W     | Hg    | Sc    | Tl    | S     | Ga     | Se    | Te    |       |
| Unit                | ppm      | ppm   | %     | ppm    | %     | ppm    | %     | %     | %      | ppm   | ppm   | ppm   | ppm   | %     | ppm    | ppm   | ppm   |       |
| MDL                 | 1        | 1     | 0.01  | 1      | 0.001 | 1      | 0.01  | 0.001 | 0.01   | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1      | 0.5   | 0.2   |       |
| Pulp Duplicates     |          |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| 1191714             | Soil     | 16    | 40    | 0.69   | 160   | 0.116  | <1    | 2.36  | 0.019  | 0.09  | 0.3   | 0.03  | 4.0   | 0.1   | <0.05  | 6     | <0.5  | <0.2  |
| REP 1191714         | QC       | 16    | 38    | 0.69   | 154   | 0.110  | 2     | 2.41  | 0.021  | 0.09  | 0.3   | 0.02  | 3.8   | 0.1   | <0.05  | 6     | <0.5  | <0.2  |
| 1191730             | Soil     | 17    | 32    | 0.54   | 204   | 0.042  | 3     | 2.40  | 0.014  | 0.08  | 0.3   | 0.05  | 2.5   | 0.2   | <0.05  | 6     | <0.5  | <0.2  |
| REP 1191730         | QC       | 18    | 31    | 0.54   | 210   | 0.042  | 2     | 2.39  | 0.014  | 0.08  | 0.2   | 0.05  | 2.6   | 0.2   | <0.05  | 6     | <0.5  | <0.2  |
| Reference Materials |          |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| STD DS8             | Standard | 16    | 112   | 0.68   | 278   | 0.112  | 3     | 1.05  | 0.106  | 0.47  | 3.0   | 0.20  | 2.3   | 5.1   | 0.15   | 5     | 4.9   | 4.5   |
| STD DS8 Expected    |          | 14.6  | 115   | 0.6045 | 279   | 0.113  | 2.6   | 0.93  | 0.0883 | 0.41  | 3     | 0.192 | 2.3   | 5.4   | 0.1679 | 4.7   | 5.23  | 5     |
| BLK                 | Blank    | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Ethos Capital Corp. Suite 680-789 West Pender St Vancouver BC V6C 1H2 Canada

Submitted By: Peter Tallman
Receiving Lab: Canada-Dawson City
Received: September 24, 2011
Report Date: October 24, 2011
Page: 1 of 3

CERTIFICATE OF ANALYSIS

DAW11000542.1

CLIENT JOB INFORMATION

Project: ROY
Shipment ID: ROY2011-01
P.O. Number
Number of Samples: 32

SAMPLE DISPOSAL

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

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

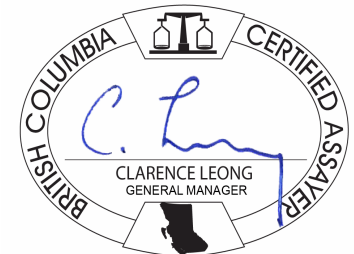
Invoice To: Ethos Capital Corp. Suite 680-789 West Pender St Vancouver BC V6C 1H2 Canada

CC: Graeme

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include SS80, Dry at 60C, and 1DX2.

ADDITIONAL COMMENTS



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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: **Ethos Capital Corp.**  
 Suite 680-789 West Pender St  
 Vancouver BC V6C 1H2 Canada

Project: ROY  
 Report Date: October 24, 2011

Page: 2 of 3 Part 1

CERTIFICATE OF ANALYSIS

DAW11000542.1

| Method  | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |         | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |
| Unit    |         | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |
| MDL     |         | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 2     | 0.01  | 0.001 |       |
| 1112913 | Soil    | 2.1   | 36.9  | 11.5  | 48    | 0.1   | 19.2  | 13.2  | 491   | 3.20  | 9.1   | 3.1   | 12.7  | 7.1   | 36    | 0.2   | 0.5   | 3.1   | 64    | 0.34  | 0.083 |
| 1112910 | Soil    | 1.8   | 31.1  | 12.8  | 64    | <0.1  | 25.1  | 12.4  | 585   | 3.19  | 11.1  | 4.4   | 3.3   | 4.0   | 25    | 0.3   | 0.7   | 1.0   | 74    | 0.20  | 0.073 |
| 1112911 | Soil    | 1.6   | 26.1  | 9.0   | 53    | <0.1  | 23.3  | 14.4  | 439   | 2.96  | 8.5   | 2.8   | 12.4  | 5.7   | 24    | 0.2   | 0.4   | 3.2   | 67    | 0.28  | 0.072 |
| 1112912 | Soil    | 0.9   | 23.9  | 8.3   | 58    | <0.1  | 27.8  | 12.4  | 449   | 2.95  | 8.1   | 1.8   | 8.5   | 3.8   | 19    | 0.3   | 0.5   | 2.0   | 66    | 0.24  | 0.055 |
| 1112915 | Soil    | 1.0   | 21.6  | 12.1  | 55    | <0.1  | 25.4  | 12.1  | 397   | 3.27  | 14.5  | 1.2   | 3.2   | 3.4   | 16    | 0.2   | 0.5   | 0.6   | 73    | 0.15  | 0.037 |
| 1112917 | 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.  |
| 1112916 | Soil    | 2.6   | 32.5  | 16.4  | 42    | <0.1  | 12.5  | 8.7   | 394   | 2.58  | 20.8  | 2.9   | 3.6   | 3.2   | 65    | 0.2   | 0.8   | 1.8   | 58    | 0.31  | 0.070 |
| 1112918 | Soil    | 3.0   | 47.0  | 23.5  | 56    | 0.2   | 16.7  | 16.1  | 742   | 3.41  | 35.6  | 7.9   | 6.2   | 5.7   | 106   | 0.2   | 1.0   | 3.8   | 57    | 0.35  | 0.097 |
| 1112914 | Soil    | 7.2   | 56.7  | 18.3  | 61    | 0.1   | 19.3  | 17.8  | 632   | 3.64  | 15.0  | 6.3   | 6.2   | 6.0   | 63    | 0.3   | 0.7   | 5.2   | 63    | 0.43  | 0.086 |
| 1112919 | Soil    | 1.2   | 28.4  | 21.4  | 46    | 0.2   | 7.2   | 18.1  | 869   | 3.57  | 28.3  | 9.2   | 8.3   | 14.5  | 297   | 0.3   | 0.8   | 5.3   | 52    | 0.72  | 0.086 |
| 1112920 | Soil    | 3.4   | 29.0  | 26.3  | 51    | 0.4   | 12.3  | 19.3  | 724   | 4.26  | 28.1  | 11.0  | 6.8   | 13.7  | 178   | 0.3   | 0.9   | 8.0   | 56    | 0.60  | 0.110 |
| 1112921 | Soil    | 1.2   | 19.6  | 15.7  | 60    | 0.1   | 12.2  | 12.4  | 720   | 3.05  | 17.5  | 4.6   | 3.9   | 6.9   | 482   | 0.3   | 0.6   | 1.4   | 57    | 0.64  | 0.092 |
| 1112924 | Soil    | 1.4   | 25.6  | 22.6  | 56    | 0.1   | 19.0  | 14.1  | 589   | 3.04  | 33.0  | 3.2   | 20.8  | 4.7   | 45    | 0.3   | 0.8   | 1.5   | 60    | 0.33  | 0.092 |
| 1112923 | Soil    | 3.0   | 18.9  | 23.0  | 52    | 0.2   | 13.5  | 13.0  | 584   | 3.11  | 36.9  | 5.7   | 7.9   | 5.4   | 87    | 0.2   | 0.9   | 1.5   | 50    | 0.29  | 0.093 |
| 1112926 | Soil    | 2.7   | 15.7  | 27.5  | 49    | 0.2   | 16.0  | 13.0  | 504   | 3.28  | 23.5  | 5.2   | 5.8   | 3.9   | 29    | 0.3   | 0.6   | 0.7   | 58    | 0.20  | 0.070 |
| 1112922 | Soil    | 3.5   | 15.0  | 21.2  | 50    | 0.1   | 14.4  | 13.8  | 614   | 3.25  | 22.5  | 3.4   | 6.3   | 3.5   | 70    | 0.2   | 0.7   | 1.2   | 61    | 0.22  | 0.082 |
| 1112928 | Soil    | 1.8   | 21.8  | 17.3  | 54    | 0.1   | 16.6  | 13.0  | 531   | 3.02  | 14.0  | 4.5   | 4.1   | 4.8   | 67    | 0.3   | 0.7   | 0.7   | 58    | 0.46  | 0.096 |
| 1112925 | Soil    | 2.7   | 15.4  | 27.9  | 50    | 0.2   | 15.4  | 13.6  | 530   | 3.23  | 22.1  | 5.7   | 3.8   | 4.6   | 31    | 0.2   | 0.6   | 0.7   | 55    | 0.21  | 0.072 |
| 1112927 | Soil    | 1.4   | 17.8  | 17.2  | 48    | 0.1   | 17.8  | 10.9  | 463   | 2.87  | 12.5  | 2.4   | 3.7   | 3.9   | 31    | 0.2   | 0.6   | 0.7   | 60    | 0.28  | 0.078 |
| 1112929 | Soil    | 1.6   | 20.6  | 17.4  | 49    | <0.1  | 16.5  | 13.2  | 484   | 2.99  | 12.4  | 5.3   | 3.6   | 7.2   | 105   | 0.3   | 0.9   | 0.8   | 58    | 0.66  | 0.079 |
| 1112849 | Soil    | 2.7   | 15.2  | 12.5  | 54    | <0.1  | 15.4  | 8.9   | 522   | 2.95  | 9.8   | 2.6   | 4.1   | 5.3   | 47    | 0.2   | 0.7   | 1.5   | 66    | 0.30  | 0.045 |
| 1112902 | Soil    | 2.0   | 15.3  | 11.9  | 44    | <0.1  | 16.1  | 7.6   | 313   | 2.80  | 9.1   | 1.5   | 14.4  | 2.7   | 33    | 0.2   | 0.6   | 0.6   | 72    | 0.21  | 0.044 |
| 1112906 | Soil    | 3.6   | 33.7  | 23.3  | 67    | 0.1   | 28.4  | 17.4  | 1011  | 3.11  | 13.6  | 7.3   | 7.4   | 3.3   | 28    | 0.2   | 0.7   | 1.3   | 67    | 0.31  | 0.086 |
| 1112904 | Soil    | 1.2   | 23.0  | 9.8   | 55    | <0.1  | 25.7  | 14.0  | 464   | 2.96  | 10.0  | 2.2   | 7.1   | 4.3   | 24    | 0.1   | 0.4   | 0.7   | 66    | 0.24  | 0.040 |
| 1112850 | 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.  |
| 1112908 | Soil    | 3.7   | 54.7  | 40.8  | 74    | 0.2   | 28.0  | 26.1  | 1116  | 3.72  | 61.0  | 12.9  | 18.0  | 5.6   | 43    | 0.3   | 1.0   | 6.0   | 72    | 0.46  | 0.132 |
| 1112901 | Soil    | 0.7   | 20.7  | 8.9   | 57    | <0.1  | 21.3  | 11.9  | 435   | 2.89  | 8.5   | 1.5   | 7.0   | 5.8   | 31    | 0.2   | 0.5   | 1.0   | 59    | 0.26  | 0.057 |
| 1112848 | Soil    | 2.7   | 23.8  | 16.3  | 59    | 0.1   | 21.6  | 11.3  | 576   | 3.24  | 11.3  | 3.9   | 4.9   | 5.5   | 43    | 0.2   | 0.7   | 1.3   | 73    | 0.38  | 0.059 |
| 1112903 | Soil    | 0.8   | 21.7  | 8.9   | 53    | <0.1  | 25.2  | 11.9  | 413   | 2.79  | 8.9   | 1.4   | 6.4   | 5.5   | 26    | 0.2   | 0.5   | 1.2   | 67    | 0.27  | 0.063 |
| 1112905 | Soil    | 0.6   | 22.8  | 8.6   | 55    | <0.1  | 25.3  | 11.2  | 437   | 2.74  | 9.0   | 1.2   | 8.2   | 5.1   | 26    | 0.2   | 0.5   | 2.2   | 62    | 0.30  | 0.050 |

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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: **Ethos Capital Corp.**  
 Suite 680-789 West Pender St  
 Vancouver BC V6C 1H2 Canada

Project: ROY  
 Report Date: October 24, 2011

Page: 2 of 3 Part 2

CERTIFICATE OF ANALYSIS

DAW11000542.1

| Method  | Analyte | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|         |         | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |
|         |         | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |
|         |         | MDL   | MDL   | MDL   | MDL   | MDL   | MDL   | MDL   | MDL   | MDL   | MDL   | MDL   | MDL   | MDL   | MDL   | MDL   | MDL   | MDL   |
| 1112913 | Soil    | 14    | 23    | 0.55  | 142   | 0.063 | 1     | 1.91  | 0.013 | 0.09  | 0.5   | 0.04  | 2.8   | 0.3   | <0.05 | 6     | <0.5  | 0.2   |
| 1112910 | Soil    | 9     | 30    | 0.52  | 101   | 0.075 | 3     | 2.27  | 0.012 | 0.06  | 0.2   | 0.13  | 2.7   | 0.3   | 0.07  | 7     | 0.5   | <0.2  |
| 1112911 | Soil    | 14    | 27    | 0.59  | 125   | 0.098 | 2     | 1.86  | 0.016 | 0.07  | 0.5   | 0.05  | 2.8   | 0.2   | <0.05 | 5     | <0.5  | 0.3   |
| 1112912 | Soil    | 10    | 30    | 0.58  | 107   | 0.083 | 2     | 1.98  | 0.014 | 0.06  | 0.3   | 0.04  | 2.7   | 0.1   | <0.05 | 5     | <0.5  | 0.3   |
| 1112915 | Soil    | 10    | 34    | 0.57  | 98    | 0.089 | 1     | 2.34  | 0.009 | 0.05  | 0.2   | 0.06  | 2.7   | 0.2   | <0.05 | 8     | <0.5  | <0.2  |
| 1112917 | 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.  |
| 1112916 | Soil    | 9     | 21    | 0.29  | 99    | 0.055 | 2     | 1.71  | 0.011 | 0.08  | 0.2   | 0.05  | 1.8   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 1112918 | Soil    | 18    | 19    | 0.60  | 139   | 0.029 | 1     | 2.31  | 0.020 | 0.10  | 0.2   | 0.06  | 3.4   | 0.5   | 0.07  | 7     | <0.5  | 0.3   |
| 1112914 | Soil    | 14    | 24    | 0.59  | 160   | 0.055 | 1     | 2.13  | 0.013 | 0.10  | 0.5   | 0.06  | 3.0   | 0.3   | 0.09  | 6     | <0.5  | 0.3   |
| 1112919 | Soil    | 34    | 9     | 0.55  | 253   | 0.009 | <1    | 2.15  | 0.011 | 0.19  | 0.1   | 0.03  | 4.6   | 0.6   | 0.07  | 7     | <0.5  | <0.2  |
| 1112920 | Soil    | 24    | 14    | 0.52  | 275   | 0.022 | <1    | 1.81  | 0.016 | 0.18  | 0.3   | 0.09  | 4.3   | 0.5   | 0.09  | 6     | <0.5  | 0.5   |
| 1112921 | Soil    | 17    | 16    | 0.52  | 354   | 0.022 | 1     | 2.25  | 0.021 | 0.18  | <0.1  | 0.06  | 2.9   | 0.3   | 0.09  | 6     | <0.5  | <0.2  |
| 1112924 | Soil    | 16    | 23    | 0.46  | 146   | 0.042 | 2     | 1.79  | 0.016 | 0.09  | 0.7   | 0.06  | 2.8   | 0.2   | 0.08  | 5     | <0.5  | <0.2  |
| 1112923 | Soil    | 17    | 18    | 0.35  | 225   | 0.012 | <1    | 1.69  | 0.012 | 0.08  | 0.2   | 0.10  | 2.5   | 0.3   | 0.10  | 5     | <0.5  | <0.2  |
| 1112926 | Soil    | 17    | 22    | 0.38  | 157   | 0.016 | 1     | 1.86  | 0.009 | 0.08  | 0.4   | 0.05  | 2.4   | 0.2   | 0.06  | 6     | <0.5  | <0.2  |
| 1112922 | Soil    | 13    | 21    | 0.39  | 196   | 0.021 | <1    | 1.71  | 0.012 | 0.06  | 0.2   | 0.05  | 2.0   | 0.2   | 0.09  | 6     | <0.5  | <0.2  |
| 1112928 | Soil    | 14    | 21    | 0.45  | 147   | 0.034 | 1     | 2.07  | 0.018 | 0.10  | 0.4   | 0.03  | 2.9   | 0.2   | 0.08  | 6     | <0.5  | <0.2  |
| 1112925 | Soil    | 16    | 21    | 0.37  | 171   | 0.013 | 1     | 1.84  | 0.008 | 0.07  | 0.4   | 0.04  | 2.4   | 0.2   | 0.07  | 5     | <0.5  | <0.2  |
| 1112927 | Soil    | 12    | 21    | 0.42  | 161   | 0.035 | <1    | 1.81  | 0.013 | 0.07  | 0.3   | 0.04  | 2.4   | 0.2   | 0.07  | 5     | <0.5  | <0.2  |
| 1112929 | Soil    | 16    | 20    | 0.51  | 125   | 0.035 | <1    | 2.27  | 0.027 | 0.13  | 0.4   | 0.02  | 3.2   | 0.3   | <0.05 | 6     | <0.5  | <0.2  |
| 1112849 | Soil    | 13    | 25    | 0.62  | 132   | 0.080 | <1    | 1.60  | 0.009 | 0.13  | 0.1   | 0.02  | 2.6   | 0.3   | 0.06  | 7     | <0.5  | <0.2  |
| 1112902 | Soil    | 8     | 23    | 0.42  | 96    | 0.092 | 1     | 1.25  | 0.009 | 0.06  | 0.2   | 0.03  | 2.2   | 0.1   | 0.08  | 8     | <0.5  | <0.2  |
| 1112906 | Soil    | 20    | 31    | 0.64  | 188   | 0.063 | 2     | 2.25  | 0.015 | 0.07  | 0.2   | 0.06  | 2.7   | 0.3   | 0.12  | 7     | <0.5  | <0.2  |
| 1112904 | Soil    | 11    | 32    | 0.66  | 139   | 0.092 | 1     | 2.12  | 0.013 | 0.06  | 0.2   | 0.02  | 3.7   | 0.2   | <0.05 | 6     | <0.5  | <0.2  |
| 1112850 | 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.  |
| 1112908 | Soil    | 27    | 31    | 0.76  | 202   | 0.091 | 5     | 2.39  | 0.024 | 0.09  | 0.2   | 0.08  | 4.2   | 0.4   | 0.13  | 7     | 1.0   | 0.4   |
| 1112901 | Soil    | 10    | 28    | 0.56  | 88    | 0.101 | 4     | 2.14  | 0.014 | 0.07  | 0.2   | 0.05  | 2.9   | 0.2   | 0.06  | 5     | 0.6   | <0.2  |
| 1112848 | Soil    | 21    | 32    | 0.70  | 156   | 0.108 | 3     | 2.09  | 0.019 | 0.10  | 0.2   | 0.03  | 3.9   | 0.2   | 0.07  | 6     | <0.5  | <0.2  |
| 1112903 | Soil    | 11    | 30    | 0.58  | 102   | 0.106 | 2     | 2.08  | 0.013 | 0.06  | 0.2   | 0.03  | 3.2   | 0.1   | <0.05 | 6     | <0.5  | <0.2  |
| 1112905 | Soil    | 10    | 28    | 0.59  | 115   | 0.104 | 3     | 2.09  | 0.017 | 0.06  | 0.3   | 0.03  | 3.1   | 0.2   | <0.05 | 5     | 0.7   | <0.2  |

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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: **Ethos Capital Corp.**  
 Suite 680-789 West Pender St  
 Vancouver BC V6C 1H2 Canada

Project: ROY  
 Report Date: October 24, 2011

Page: 3 of 3 Part 1

CERTIFICATE OF ANALYSIS

DAW11000542.1

| Method  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Analyte | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P     |       |
| Unit    | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %     |       |
| MDL     | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001 |       |
| 1112907 | Soil  | 2.2   | 29.2  | 23.1  | 63    | <0.1  | 26.0  | 23.4  | 553   | 3.91  | 17.9  | 4.5   | 11.3  | 6.5   | 31    | 0.2   | 0.7   | 4.7   | 73    | 0.27  | 0.066 |
| 1112909 | Soil  | 3.6   | 26.9  | 15.0  | 58    | 0.1   | 18.8  | 15.0  | 776   | 3.29  | 11.6  | 6.1   | 6.8   | 7.0   | 37    | 0.2   | 0.6   | 3.3   | 69    | 0.46  | 0.079 |



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: **Ethos Capital Corp.**  
 Suite 680-789 West Pender St  
 Vancouver BC V6C 1H2 Canada

Project: ROY  
 Report Date: October 24, 2011

Page: 3 of 3 Part 2

CERTIFICATE OF ANALYSIS

DAW11000542.1

| Method  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |      |
|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| Analyte | La    | Cr    | Mg    | Ba    | Ti    | B     | Al    | Na    | K     | W     | Hg    | Sc    | Tl    | S     | Ga    | Se    | Te    |      |
| Unit    | ppm   | ppm   | %     | ppm   | %     | ppm   | %     | %     | %     | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppm   |      |
| MDL     | 1     | 1     | 0.01  | 1     | 0.001 | 1     | 0.01  | 0.001 | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05  | 1     | 0.5   | 0.2   |      |
| 1112907 | Soil  | 14    | 31    | 0.69  | 124   | 0.115 | 3     | 2.02  | 0.017 | 0.08  | 0.4   | 0.05  | 3.4   | 0.2   | <0.05 | 6     | 0.8   | <0.2 |
| 1112909 | Soil  | 21    | 28    | 0.61  | 174   | 0.095 | 2     | 1.81  | 0.020 | 0.07  | 0.2   | 0.03  | 4.3   | 0.3   | <0.05 | 6     | 0.6   | <0.2 |





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www.acmelab.com

**Client:** Ethos Capital Corp.  
Suite 680-789 West Pender St  
Vancouver BC V6C 1H2 Canada

**Project:** ROY

**Report Date:** October 24, 2011

**Page:** 1 of 1 **Part** 1

# QUALITY CONTROL REPORT

DAW11000542.1

| Method              | Analyte  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  |
|---------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
|                     |          | Mo    | Cu    | Pb    | Zn    | Ag    | Ni    | Co    | Mn    | Fe    | As    | U     | Au    | Th    | Sr    | Cd    | Sb    | Bi    | V     | Ca    | P      |
| Unit                |          | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | ppm   | ppm   | ppb   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | %     | %      |
| MDL                 |          | 0.1   | 0.1   | 0.1   | 1     | 0.1   | 0.1   | 0.1   | 1     | 0.01  | 0.5   | 0.1   | 0.5   | 0.1   | 0.1   | 0.1   | 0.1   | 0.1   | 2     | 0.01  | 0.001  |
| Pulp Duplicates     |          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| 1112911             | Soil     | 1.6   | 26.1  | 9.0   | 53    | <0.1  | 23.3  | 14.4  | 439   | 2.96  | 8.5   | 2.8   | 12.4  | 5.7   | 24    | 0.2   | 0.4   | 3.2   | 67    | 0.28  | 0.072  |
| REP 1112911         | QC       | 1.6   | 25.9  | 9.4   | 52    | <0.1  | 23.1  | 14.6  | 442   | 3.02  | 9.3   | 2.8   | 3.3   | 6.3   | 23    | 0.2   | 0.4   | 3.5   | 64    | 0.27  | 0.071  |
| 1112920             | Soil     | 3.4   | 29.0  | 26.3  | 51    | 0.4   | 12.3  | 19.3  | 724   | 4.26  | 28.1  | 11.0  | 6.8   | 13.7  | 178   | 0.3   | 0.9   | 8.0   | 56    | 0.60  | 0.110  |
| REP 1112920         | QC       | 3.2   | 27.9  | 25.4  | 50    | 0.4   | 12.4  | 19.6  | 697   | 4.27  | 27.6  | 10.8  | 10.1  | 13.3  | 173   | 0.3   | 1.0   | 6.6   | 58    | 0.56  | 0.110  |
| Reference Materials |          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |
| STD DS8             | Standard | 12.3  | 106.1 | 121.5 | 296   | 1.7   | 37.7  | 7.1   | 547   | 2.31  | 23.0  | 2.5   | 111.1 | 6.0   | 62    | 2.2   | 5.2   | 6.2   | 43    | 0.65  | 0.077  |
| STD DS8             | Standard | 12.9  | 123.0 | 121.8 | 318   | 1.7   | 37.5  | 7.4   | 606   | 2.40  | 25.3  | 3.2   | 107.7 | 8.0   | 73    | 2.4   | 6.4   | 7.6   | 42    | 0.70  | 0.077  |
| STD DS8 Expected    |          | 13.44 | 110   | 123   | 312   | 1.69  | 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    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | 0.01  | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |
| BLK                 | Blank    | <0.1  | <0.1  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <1    | <0.01 | <0.5  | <0.1  | <0.5  | <0.1  | <1    | <0.1  | <0.1  | <0.1  | <2    | <0.01 | <0.001 |



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

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Suite 680-789 West Pender St  
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**Project:** ROY

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**Page:** 1 of 1 Part 2

# QUALITY CONTROL REPORT

DAW11000542.1

| Method              | Analyte  | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15  | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------|-------|-------|--------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
|                     |          | La    | Cr    | Mg     | Ba    | Ti     | B     | Al    | Na     | K     | W     | Hg    | Sc    | Tl    | S      | Ga    | Se    | Te    |
| Unit                |          | ppm   | ppm   | %      | ppm   | %      | ppm   | %     | %      | %     | ppm   | ppm   | ppm   | ppm   | %      | ppm   | ppm   | ppm   |
| MDL                 |          | 1     | 1     | 0.01   | 1     | 0.001  | 1     | 0.01  | 0.001  | 0.01  | 0.1   | 0.01  | 0.1   | 0.1   | 0.05   | 1     | 0.5   | 0.2   |
| Pulp Duplicates     |          |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| 1112911             | Soil     | 14    | 27    | 0.59   | 125   | 0.098  | 2     | 1.86  | 0.016  | 0.07  | 0.5   | 0.05  | 2.8   | 0.2   | <0.05  | 5     | <0.5  | 0.3   |
| REP 1112911         | QC       | 13    | 27    | 0.59   | 127   | 0.089  | 2     | 1.89  | 0.015  | 0.07  | 0.7   | 0.03  | 2.7   | 0.2   | <0.05  | 5     | <0.5  | 0.4   |
| 1112920             | Soil     | 24    | 14    | 0.52   | 275   | 0.022  | <1    | 1.81  | 0.016  | 0.18  | 0.3   | 0.09  | 4.3   | 0.5   | 0.09   | 6     | <0.5  | 0.5   |
| REP 1112920         | QC       | 24    | 13    | 0.54   | 258   | 0.025  | <1    | 1.78  | 0.016  | 0.18  | 0.3   | 0.08  | 4.2   | 0.5   | 0.08   | 6     | <0.5  | 0.7   |
| Reference Materials |          |       |       |        |       |        |       |       |        |       |       |       |       |       |        |       |       |       |
| STD DS8             | Standard | 13    | 114   | 0.58   | 251   | 0.103  | 2     | 0.88  | 0.083  | 0.41  | 2.7   | 0.23  | 1.9   | 5.3   | 0.20   | 4     | 5.1   | 4.9   |
| STD DS8             | Standard | 17    | 116   | 0.61   | 271   | 0.130  | 2     | 0.92  | 0.087  | 0.40  | 3.0   | 0.19  | 2.5   | 5.3   | 0.16   | 5     | 5.4   | 4.5   |
| STD DS8 Expected    |          | 14.6  | 115   | 0.6045 | 279   | 0.113  | 2.6   | 0.93  | 0.0883 | 0.41  | 3     | 0.192 | 2.3   | 5.4   | 0.1679 | 4.7   | 5.23  | 5     |
| BLK                 | Blank    | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |
| BLK                 | Blank    | <1    | <1    | <0.01  | <1    | <0.001 | <1    | <0.01 | <0.001 | <0.01 | <0.1  | <0.01 | <0.1  | <0.1  | <0.05  | <1    | <0.5  | <0.2  |

*Appendix IV – Gold in Soil Results Map*

**Legend**

- Ethos Soil Sample (2011)**  
 (Au ppb)
- 75 to 7,500
  - 50 to 75
  - 30 to 50
  - 10 to 30
  - 0 to 10
- Shawn Ryan Soil Sample (2007)**  
 (Au ppb)
- 75 to 7,500
  - 50 to 75
  - 30 to 50
  - 10 to 30
  - 0 to 10
- Prospector International Soil Sample**  
 (1999 and 2000) (Au ppb)
- ⊕ 75 to 7,500
  - ⊕ 50 to 75
  - ⊕ 30 to 50
  - ⊕ 10 to 30
  - ⊕ 0 to 10
- G.S.C. Regional Silt Sample**  
 (Au ppb)
- >99%: 96.43 to 1680
  - 95 - 99%: 18 to 96.43
  - 90 - 95%: 9 to 18
  - 50 - 90%: 1 to 9
  - <50%: 0 to 1
- Mineral Occurrence**
- ANOMALY
  - DEPOSIT
  - DRILLED PROSPECT
  - OPEN PIT PAST PRODUCER
  - OPEN PIT PRODUCER
  - PROSPECT
  - SHOWING
  - UNDERGROUND PAST PRODUCER
  - UNKNOWN

