

## 2013 GEOCHEMICAL & GEOLOGICAL REPORT ON THE FACE PROPERTY

(Work Performed: July 2 – July 10, 2013)

<u>Grant Numbers</u>	<u>Claim Names</u>
YF39619 - YF39632	Hat 119 - 132
YF39643 - YF39656	Hat 143 - 156
YF39667 - YF39680	Hat 167 - 180
YF39691	Hat 191
YF39693	Hat 193
YF39695	Hat 195
YF39697	Hat 197
YF39699	Hat 199
YF39701	Hat 201
YF39703	Hat 203

DAWSON MINING DISTRICT, YUKON TERRITORY  
NTS: 116C/15

Latitude 64° 48' N  
Longitude 140° 38' W

Owner & Operator:  
**RACKLA METALS INC.**  
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November 15, 2013

## SUMMARY

The Face property is located approximately 90 kilometers northwest of Dawson City, Yukon and less than eight kilometers east of Eagle, Alaska. The Face property consists of 705 unsurveyed contiguous two-post Yukon 'Quartz' (mineral) claims, covering an area of approximately 14,750 hectares (36,450 acres). This report describes the work carried out in 2013 on 49 of the Face property claims. The Face property is owned 100% by Rackla Metals Inc.

The claims were staked to cover stream drainages geochemically anomalous in gold, silver, and a number of base metals and gold pathfinder elements, identified by the Geological Survey of Canada, plus prospective lithologies and regional fault structures. Together this geological environment is thought to be analogous to the informally named Rackla Gold Belt located approximately 300 km to the east.

Access to the property can be gained by helicopter based out of Dawson City. The nearest road is in Eagle, Alaska and the nearest road in Canada is located at Clinton Creek approximately 25 km to the south which is passable by 2WD vehicles during the summer months.

Underlying the property area is a package of sedimentary rocks ranging in age from Upper Proterozoic to Mississippian dominated by siliclastics but also includes lesser amounts of limestone, dolostone and mafic volcanics. This rock package is cut and locally offset, by regional thrust faults, generally trending easterly and faults of unknown type. The thrust faults are interpreted to be extensions and or offsets of the Dawson Thrust Fault; a bounding fault to the Rackla Gold Belt located approximately 300 km to the east.

These faults juxtapose units and could provide fluid conduits for a possible hydrothermal system(s) as indicated by the geochemically anomalous rock and soil samples at Grid 1\_2013. Here, a 1.4 km x 1 km area of anomalous silver values in rock (up to 73 ppm Ag in rock), soil and stream sediments, named the Silver Zone, along with +/- Au+/-Cu+/-Zn+/-Mo+/-Ni+/-As+/-Hg+/-Tl values defines a priority target. The Silver Zone is underlain by black shale and the higher silver anomalies are associated with more graphitic shales.

No mineralization was found in 2013 but based on the geochemical results and geological setting a number of deposit types are possible including base metal stratiform, precious and base metal replacement and vein – fault type deposits.

Additional rock, soil and stream sediment geochemical surveys, along with geological mapping, prospecting and an airborne magnetic and radiometric survey are recommended to both better define the existing anomalies and to explore the surrounding areas not surveyed in 2012 or 2013. All of the above work should be directed towards defining precious and base metal targets for trenching and diamond drilling.



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## **1.0 INTRODUCTION**

The purpose of this report on the Face property is to describe the 2013 work program and to fulfill Yukon assessment requirements on 49 'Quartz' (mineral) claims. These 49 claims are located within a larger claim group that together comprises the Face property.

Work in July 2013 consisted of grid soil sampling, prospecting and mapping over three Au and Ag targets previously identified by work conducted in 2011 and 2012. This report will focus on one of the three target areas.

The first claims were staked by Radius Gold Inc. in 2010 to cover anomalous stream sediment anomalies and geology prospective for gold deposits. Based on the results of the work completed in 2011 on the Face claims (Hulstein, 2011) and an examination of the publicly available geosciences data, an additional 176 claims (Hood 1 – 176) were staked in September 2011 and another 431 claims (Hat 1 – 431) in April 2012.

The report also describes the location, access, history and geological setting of the Face property and outlines a proposed exploration program to further explore the property for gold-silver and base metals.

### **1.1 Location and Access**

The center of the Face property is located approximately 90 kilometers northwest of Dawson City, Yukon and 8 kilometers east of Eagle, Alaska. The claims are located in the Dawson Mining District and cover a portion of the high ground north of the Yukon River to the easterly flowing Eagle Creek and a portion of the ridge south of what is presumably the south fork of the Tatonduk River. The combined Eye, Face, Hood and Hat claims, collectively known as the Face Property, are located on NTS map sheets 116C/10, 116C/15 and 115C/16 (Figure 1). The 49 claims that are the focus of this report are locate on NTS map sheet 116C/15.

Access to the property can be gained by helicopter based out of Dawson City. The nearest road is in Eagle, Alaska and the nearest road in Canada is the road to Clinton Creek, approximately 25 kilometers to the south. The Clinton Creek Road is passable by 2WD vehicles during the summer months. The Clinton Creek Road is posted and turns north off the Top of the World Highway (Hwy 11) at approximately kilometer 65.

Scheduled plane service can be gained in Dawson City to Whitehorse, where there is daily jet airplane service to Vancouver, British Columbia and other points south.



Face, Yukon Territory

### Location

Scale: 1:5,000,000

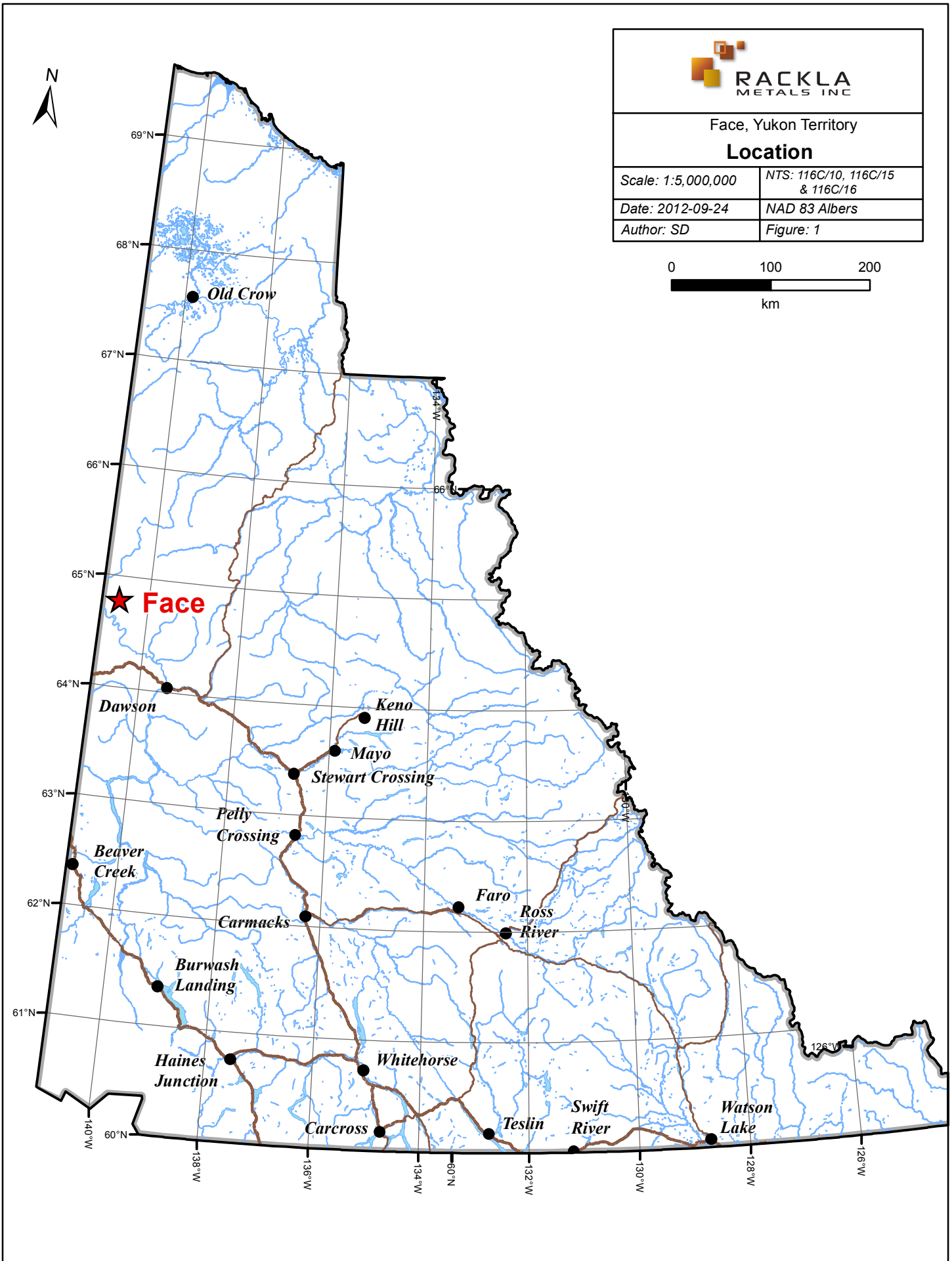
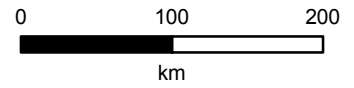
NTS: 116C/10, 116C/15  
& 116C/16

Date: 2012-09-24

NAD 83 Albers

Author: SD

Figure: 1



## 1.2 Topography, Vegetation and Climate

Topography in the region is typical of an incised peneplain with steep hillsides and rounded crests. The area was beyond the limits of the last two continental glacial events and minor evidence of glaciations in the region is a result of localized alpine glaciers. Alluvium in the valleys is mostly locally derived. Hillsides are covered with a veneer of colluvium also locally derived. Elevation ranges from a low of 300 meters in the Eagle Creek valley to approximately 1280 meters on nearby ridges. Permafrost is a consideration in vegetated valley bottoms and on all northerly facing slopes. On the hillsides and ridge spurs, particularly northerly facing slopes and poorly drained areas, permafrost (often as frozen black muck) is a serious hindrance to exploration.

Aside from some overgrown bulldozer tracks in Eagle Creek, along what is (presumably named) the south fork of the Tatonduk River and the ridge to the south, there is no evidence of roads, trails, trenches, test pits, etc., on the 49 claims that are the focus of this report.

Rock outcrop in the area is restricted to ridges, small cliffs and creek bottoms.

Vegetation in the valley bottoms consists of alder, dwarf birch, balsam fir, white and black spruce. Ground cover in areas of thin tree cover consists of alpine plants, 'buckbrush' (alder), dwarf willow and moss. Hillsides and ridges are covered with pine, spruce, birch and poplar on well drained slopes and stunted black spruce in areas of permafrost. Treeline is at approximately 1,200 feet. Vegetation is generally more abundant on east and south facing slopes and much of the vegetation has been burnt in a recent forest fire.

Climate is characterized by low precipitation and a wide temperature range. Winters are cold and temperatures of  $-30^{\circ}\text{C}$  to  $-45^{\circ}\text{C}$  are common. Summers are moderately cool with daily highs of  $10^{\circ}\text{C}$  to  $25^{\circ}\text{C}$ . Thunders showers are a common occurrence. Smoke from forest fires can be thick at certain times. The seasonal window for prospecting is from June to mid September.

### **1.3 History**

The area has presumably been explored for its placer gold potential since the late 1800's as the property is located north of the historic Fortymile placer district, and the west side of the property is within 8 kilometers of Eagle, Alaska. The Yukon River, historically an important transportation route, is located less than 12 kilometers from the property at its closest. However no evidence of placer workings was seen on the property in 2011 or 2012.

Along with the possible placer activity, lode prospecting of the district likely occurred during the same time period. Two Minfile occurrences, grouped under one description, Minfile 116C 149, are classified as unknown (Yukon MINFILE, 2011). Previous work consists of the staking of quartz claims by Dawson Eldorado Gold Exploration Ltd. with no further work being recorded.

The Face claim block fully surrounds 4 claims, Eye 1-4, staked in 2010 by Tarsis Resources Ltd. In June, 2011 Rackla Metals Inc. bought a one hundred percent (100%) interest in the Eye claims. The Eye 1-4 claims and four other properties in the area constituted Tarsis's Dawson Gold project. Tarsis explored for carbonate hosted gold occurrences that are blind to surface, similar to that discovered by ATAC Resources Ltd. at its "Rau project" (Tarsis Resources Ltd., 2011).

Radius staked the first claims (Face 1-94 claims) in September 2010 as a priority target after tracing the Dawson Thrust west from the Rau and Osiris gold discoveries where mineralization is hosted in limestones in close proximity to the Dawson Thrust Fault (Yukon Geology Survey, 2011). Following receipt of the encouraging geochemical results in 2011, the adjoining Hood 1-176 claims were staked in September 2011. In April 2012 following additional research, utilizing publicly available data, Rackla Metals staked an additional 431 claims, the Hat 1-431.

Most of the Hood claims were staked south of the Face claims to cover the headwaters of creeks that had anomalous geochemical values in stream sediment samples. The Hat 1-431 claims cover anomalous stream sediment geochemical sample sites, reported in the Geological Survey of Canada's regional geochemical survey and are underlain by prospective Earn and Road River Group rocks cut by faults.

### **1.4 2013 Work Program**

The 2013 geochemical exploration program was carried out by Bros Exploration Ltd. and Rackla Metals Inc. staff. Logistics were ably directed by crew chief Larry Brault, assisted by Bros samplers Philippe Michel and Samuel Therrien. Geological mapping and sampling was under the direction of co-author Timothy Wrighton who was assisted by Christopher Ridgway. The author, R. Hulstein, supervised the project.

The crew mobilized from Whitehorse on July 2<sup>nd</sup>, 2013 and returned to Whitehorse on July 25<sup>th</sup>, 2013. The crew mobilized by helicopter on July 3<sup>rd</sup>, 2013 from a staging area on the Clinton Creek Road on July 3<sup>rd</sup> to the 49 claims that are the focus of this report. Camp was set up and exploration was carried out in the area until July 10<sup>th</sup>, 2013 when the crew moved to camp 2. The work described in this report was carried out from the first camp from July 3<sup>rd</sup> to July 10<sup>th</sup>, 2013. All work was carried out from three separate helicopter supported camps established on ridges, two of which were camps previously used in 2012 (including camp 1). Camp was moved by helicopter every 6 to 7 days.

Work consisted of rock, soil and stream sediment sampling for geochemical analysis plus some prospecting, reconnaissance geological mapping and hand trenching. A soil grid was established in the approximate center of the 49 claims with a grid spacing of 50m x 200m.

Hand-held GPS receivers (Garmin GPSmap 60CSx units) were used to plot locations of rock, stream sediment and soil samples, claim posts and other features (approximate +/-5 m accuracy). Soil samples were shipped to Acme Analytical Laboratories (Vancouver) Ltd.'s preparation laboratory in Whitehorse and prepared pulps were analyzed for gold and 37 other elements in their Vancouver laboratory.

## 1.5 Claim Status

As of November 15, 2013 the Face property currently consists of 705 unsurveyed contiguous two-post Yukon 'Quartz' claims. The 49 Hat claims that are the subject of this report are within the Face property and cover an area of approximately 900 hectares (2,223 acres) (Figure 2). The claims were staked according to the *Quartz Mining Act (Yukon)* and are located in the Dawson Mining District. They are shown on claim sheet 116C/15 and are available for viewing at the Dawson Mining Recorders Office. The claims listed below (Table 1) are registered in the name of Rackla Metals Inc. and are owned one hundred percent (100%) by the company.

**Table 1. List of Claims**

Grant	Number	Claim	Name			Number of Claims	NTS Map Number	Claim Expiry Date*	
YF39619	-	YF39632	Hat	119	-	132	14	116C/15	April 10, 2019
YF39643	-	YF39656	Hat	143	-	156	14	116C/15	April 10, 2019
YF39667	-	YF39680	Hat	167	-	180	14	116C/15	April 10, 2019
YF39691							1	116C/15	April 10, 2019
YF39693							1	116C/15	April 10, 2019
YF39695							1	116C/15	April 10, 2019
YF39697							1	116C/15	April 10, 2019
YF39699							1	116C/15	April 10, 2019
YF39701							1	116C/15	April 10, 2019
YF39703							1	116C/15	April 10, 2019
Total						49			

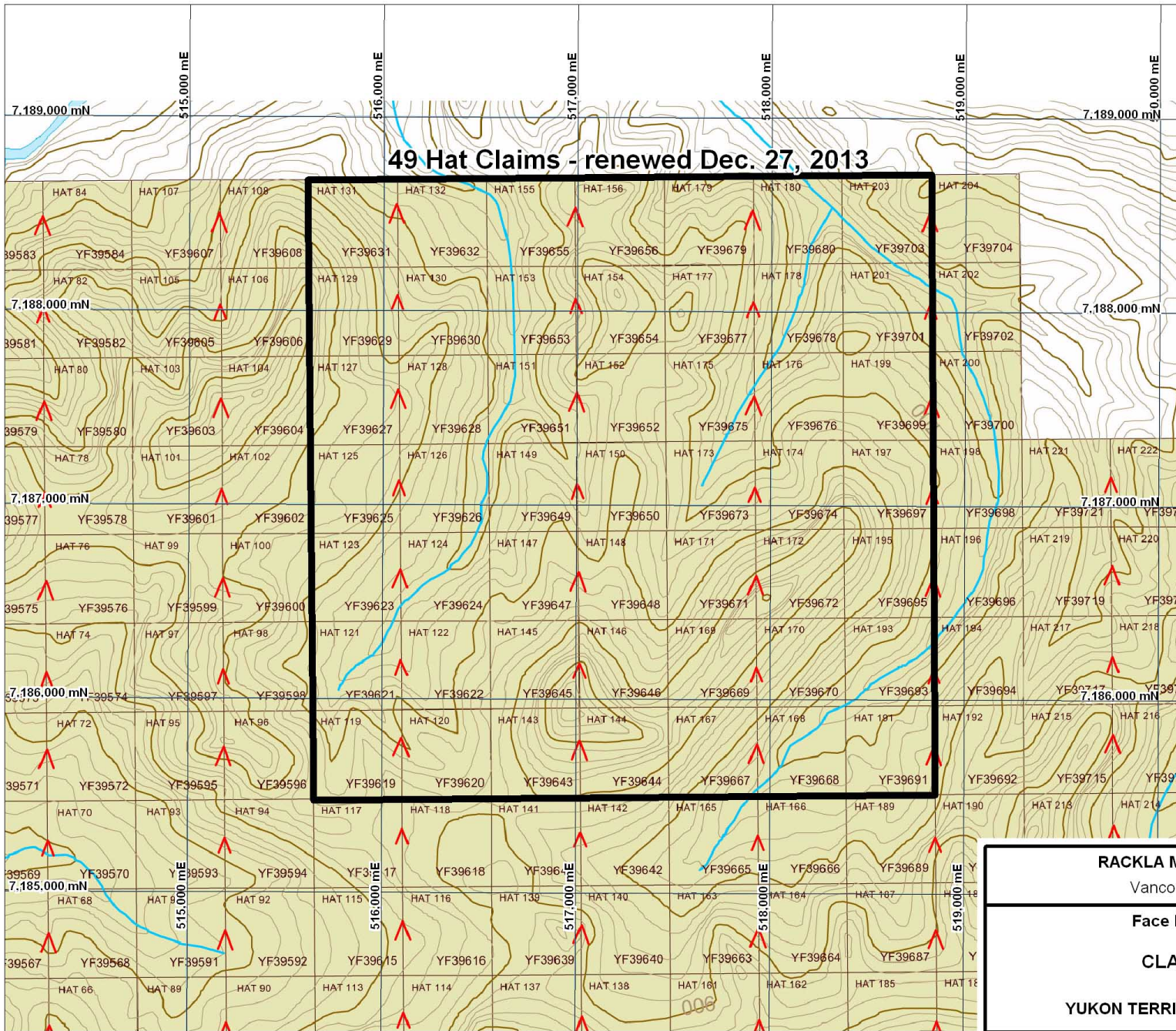
\*Subject to acceptance of this report.

The claims shown on Figures 2 and 3 are plotted as per coordinates obtained by a GPS receiver (Garmin GPSmap 60CSx) with an estimated +/- 5 m accuracy.





### 49 Hat Claims - renewed Dec. 27, 2013



<b>RACKLA METALS INC.</b> Vancouver, BC		
<b>Face Property</b>		
<b>CLAIMS</b>		
<b>YUKON TERRITORY, CANADA</b>		
Date: Dec. 15, 2014	NTS: 116C/15	Drawn By: RH
NAD83 Zone 7	Scale: 1:30,000	Figure: 2

## 2.0 REGIONAL GEOLOGY AND MINERALIZATION

The Face property lies on the north side of the Tintina Fault and is underlain by ancestral North American platformal rocks and rocks units of the Selwyn Basin (Yukon Geology Survey, 2011) (Figure 3). These two terranes are in fault contact and this fault contact is part of, or an extension of, the Dawson Thrust Fault that extends easterly across the Yukon. The same fault traced approximately 300 km to the east, northeast of Mayo, marks the covers the southern boundary of the informally named Rackla Gold Belt, where a number of sediment hosted gold deposits (Rau and Osiris) and occurrences have recently been discovered. In the vicinity of the Face property the trace of the Dawson Thrust is less distinct and appears to branch with the Coal Creek and other faults, likely representing a continuation of the Dawson Thrust.

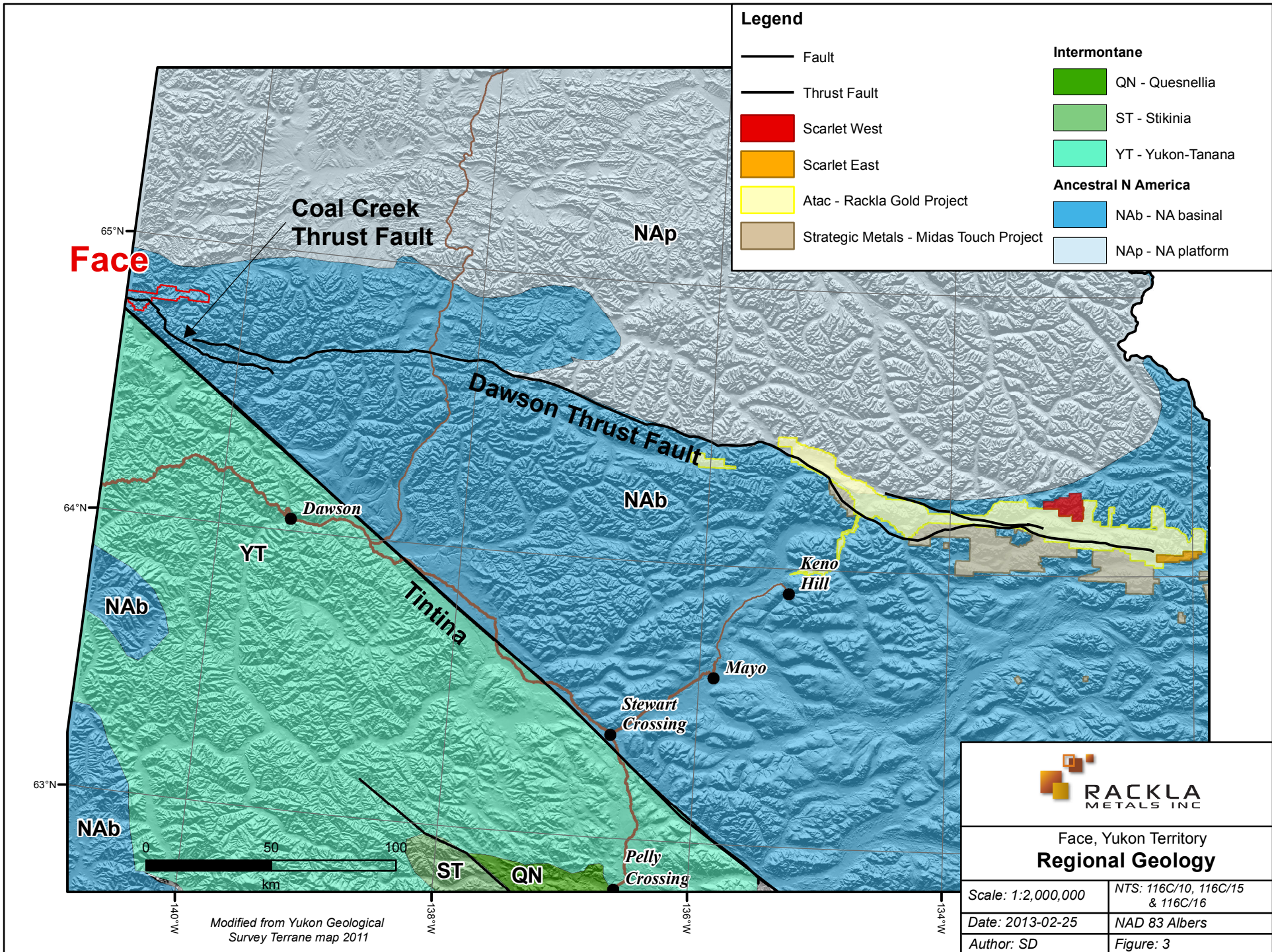
The oldest rocks on the Face property are Hyland Group Upper Proterozoic deep water clastics of the Selwyn Basin deposited west of ancestral North America (Figure 4). Similarly Upper Proterozoic platformal shallow water limestone units and younger Upper Cambrian to Upper Devonian volcanic, volcanoclastic, clastic and limestone rocks were deposited on the western margin of ancestral North America. All these rocks are assumed to have been part of a west to southwest facing marine passive margin.

The northwest striking Tintina Fault lies approximately four kilometers southwest of the property at the western end of the property and is a major physiographic and geologic feature of the Yukon. It is a dextral strike-slip fault with about 430 km of Paleogene displacement (Yukon Geology Survey, 2011). In the area of the Face property it separates rocks of Ancestral North America affinity to the northeast from those of the allochthonous Yukon – Tanana and Slide Mountain Terranes to the southwest. The more recent movement along the Tintina Fault may have displaced and reactivated the Dawson Thrust in the Face property area thereby complicating the local structural story.

Cretaceous and younger plutonic suites intruding the Ancestral North America rocks represent a succession of continental magmatic arcs and related back arc environments that record the convergence of various terranes. Although these igneous rocks have not been mapped in the area of the Face property they have proved to be associated with gold, silver and base metal deposits and occurrences about 60 km to the southeast.

The nearest significant mineralization is located approximately 18 km to the southeast of the Face property at the Shell Creek property, currently held by Logan Resources Ltd. It covers Yukon MINFILE occurrence 116C 029 (Yukon MINFILE, 2011) and a coincident prominent gravity and magnetic high and Late Precambrian to Early Cambrian clastic, carbonate and volcanoclastic rocks. On the Shell Creek property a banded iron formation found within this package of rocks appears to be the locus of anomalous gold, copper, nickel, cobalt, lead and zinc geochemistry (Logan Resources Ltd., 2011).





Prospecting identified gold in quartz – carbonate veins, possibly saddle reef – type, in the hanging wall of the iron formation (Yukon MINFILE, 2011).

In addition to the nearby Shell Creek banded iron formation occurrence other mineral deposit types that might be expected to occur in the above setting includes precious and base metal replacement type deposits, sediment hosted gold deposits, Mississippi Valley type deposits, other base metal deposits and vein – fault type mineralization.

### 3.0 PROPERTY GEOLOGY

The property geology map, Figure 4, is derived from Yukon Geological Survey sources (Yukon Geology Survey, 2011). The regional geology was compiled by the GSC in 1995 (Thompson, 1995) from earlier sources. The earliest mapping was by the GSC in 1911 and 1912 (Cairns, 1915) as part of the Yukon – Alaska International Boundary survey. This mapping included only the easternmost side of the Face property but does show a small mafic intrusive body on the north side of Eagle Creek, not shown on the current geology map or Thompson's compilation map (Thompson, 1995) and likely part of the Marmot Formation.

According to Yukon Geological Survey (2011) the oldest unit underlying the Face property is Upper Proterozoic to Lower Cambrian Hyland Group siliclastics and minor limestone units. These rocks are predominantly maroon, green and grey slate - argillite, chert, siltstone and conglomerate (Figure 4, unit PCH3). The Hyland Group is in thrust fault contact with the Road River and Marmot Formation rocks to the north. A small unit of Marmot Formation Upper Cambrian to Silurian and Ordovician basalt, tuff and breccia is in conformable contact with Hyland Group rocks on the south east side of the Hood claims.

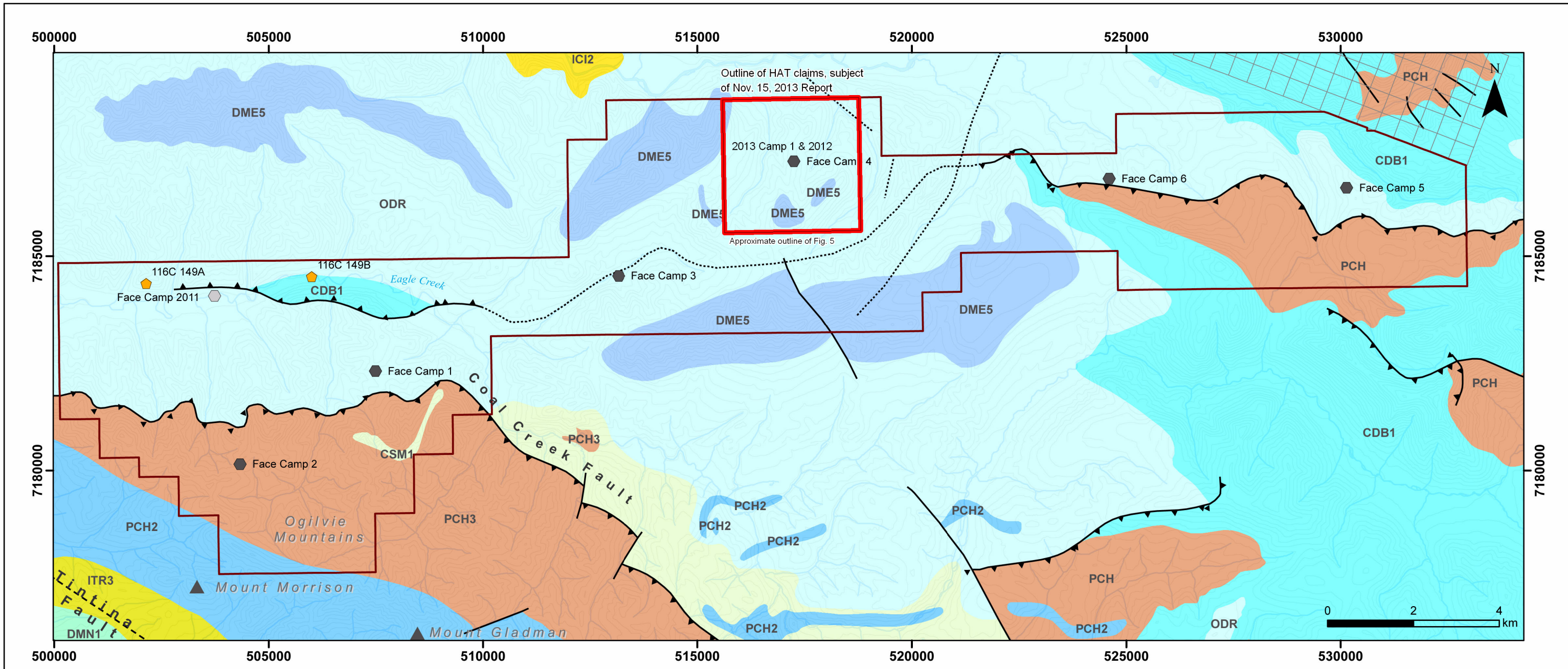
Other than the reconnaissance mapping in the Silver Zone (Figure 5) and a few other areas (not shown), the Face property has not been geologically mapped by Rackla Metals Inc.

Most of the Face property is underlain by Ordovician to Lower Devonian Road River Group rocks comprised of cherts, siltstone, limestone and conglomerate rocks (Figure 4, unit ODR). Upper Cambrian to Lower Devonian Bouvette Formation comprised of dolostone, shale, limestone, and conglomerate rocks (unit CDB1) are also found on the property. At both the east and west ends of the property this unit is in fault contact to the south with younger Ordovician – Devonian shales, correlated with the Road River Group.

Rocks underlying the Hood claims at the west end of the property consist dominantly of Upper Proterozoic to Lower Cambrian Hyland Group Units generally trend northwest, approximately parallel to the Tintina Fault, the general trend of rocks in west Yukon. The Coal Creek Thrust Fault trends easterly on the Face property and may be related to the parallel Dawson Thrust, found approximately 15 km to the east that extends across the Yukon and forms a boundary fault to the informally named Rackla Gold Belt.

In 2012 a number of faults were interpreted to cut the Earn and Road River Group rocks in the central portion of the property. They may represent part of the Dawson Thrust Fault system, perhaps a more northerly strand offset from the Coal Creek Fault found to the south.





**Regional Geology**

**LOWER TERTIARY, MOSTLY(?) EOCENE**

ITR3: ROSS: shale, claystone, siltstone, sandstone, conglomerate, coal

**DEVONIAN, MISSISSIPPIAN AND(?) OLDER**

DMN1: NASINA: quartzite, schist

**DEVONIAN AND MISSISSIPPIAN**

DME5: EARN: mudstone, shale, sandstone, conglomerate

**ORDOVICIAN TO LOWER DEVONIAN**

ODR: ROAD RIVER - SELWYN: shale, chert, siltstone, limestone, conglomerate

**UPPER CAMBRIAN TO LOWER DEVONIAN**

CDB1: BOUVETTE: dolostone, limestone, conglomerate, shale

**CAMBRIAN TO SILURIAN**

CSM1: MARMOT: basalt, tuff, breccia

**LOWER AND MIDDLE CAMBRIAN**

ImCS2: SLATS CREEK: argillite, quartzite, siltstone, shale, conglomerate

**LOWER CAMBRIAN**

IC12: ILTYD: limestone, conglomerate-breccia, chert

**UPPER PROTEROZOIC TO LOWER CAMBRIAN**

PCH: HYLAND: turbidite, limestone, shale, mafic volcanic

PCH2: HYLAND: limestone

PCH3: HYLAND: slate, chert, siltstone, sandstone, conglomerate

- ..... Faults, interpreted, 2012
- Fault, defined, movement undefined
- Fault, defined, normal/reverse
- ▲ Fault, defined, thrust, upright
- - - - - Fault, assumed, dextral
- Face Property Boundary
- Claims Held By Others

**Yukon Minfile**

**Face Camp Locations**

- 2011
- 2012 & 2013 (camp 1 only)



**Face, Yukon Territory  
Property Geology**

Scale: 1:90,000	NTS: 116C/10, 116C/15 & 116C/16
Date: 2013-02-25	UTM: NAD 83, Zone 7
Author: SD	Figure: 4

Note: Geology from Yukon Geological Survey website.

Reconnaissance geological mapping at the Silver Zone (Figure 5) in 2013 identified folded grey and black shales, argillites and cherts, probably of the Road River Group, underlying the silver in soil anomaly. These shales range from grey to black, usually not siliceous, sometimes graphitic, and well cleaved, commonly with no laminations or bedding surviving deformation. Where mapped, fold axis of minor folds trend northeastly. A fault mapped in the southwest side on the zone and northwest side of the zone a topographic lineament that corresponds with a geochemical cut off in soil for calcium, also trends north-easterly. Locally minor calcite veinlets and possible barite veinlets, in two locations, were noted cutting the shales.

Rocks underlying the Silver Zone are well foliated although in many cases it is presumed the cleavage is parallel to bedding. Locally, near the top of the creek east of camp, the interbedded shale and argillite - chert, striking  $300^{\circ}$  and dipping  $10^{\circ}$  north is cross cut by a strong foliation and minor shear bands trending  $025^{\circ}$  and dipping near vertical that boudinages the argillite – chert into.

In the Silver Zone area the Road River is overlain by shales, mudstones, sandstones and limestone beds, locally fossiliferous, of the Earn Group of Devonian, Mississippian and possibly older age. The contact between the Road River and Earn Group is not exposed. The Earn Group rocks are exposed on the south side of the Silver Zone area, mark the south side of the anomalous silver in soil anomaly and make up the local hilltop and ridgeline. Bedding where noted, strikes approximately east – west and dips gently southerly.



### 3.1 Alteration and Mineralization

There is no known significant mineralization on the larger Face property or on the 49 claims that are the subject of this report. The Yukon Minfile Occurrence, number 116C 149 – Thompson, is plotted at two locations about 3.5 kilometers apart on or near Eagle Creek. The Minfile description is short; claims were staked at both locations by Mr. Ken Thompson on behalf of Dawson Eldorado Gold Exploration Limited. Both claim groups covered a thrust fault that separates the Upper Cambrian to Lower Devonian Bouvette rocks to the north from the Ordovician to Lower Devonian Road River limestone and older volcanic and clastic sedimentary rocks to the south (Yukon MINFILE, 2011).

Prospecting in 2011 noted that the creek partly covered by the Eye claims has a reddish orange color anomaly. This color persists to the south, beyond the Eye claims, onto the Face and Hood claims. Eagle Creek on the east side of the Face claims as well as the two smaller creeks west of the Eye claims also had anomalous looking iron oxide coloration. The cause of this reddish – orange coloration remains unexplained.

In 2012 gossans and gossanous soil were also noted in the vicinity of 2012 Camp 4 (2013 Camp 1) near where a number of soil samples contained significant anomalous silver values (Photo 1). In 2013, this area was revisited and these high Ag values were observed primarily within moderately graphitic black shale unit and the gossanous areas were underlain by grey shales. Gossans are likely due to the weathering of pyrite in the shales.

Veinlets of calcite and possibly barite cutting shale were observed and sampled at two locations, at the camp site (rock sample 1349103) and to the south west of camp on the next ridge spur (rock sample 1349120). These rock samples contained less than 3654 ppb Ag and 411 ppm zinc but over 10,000 ppm Ba.

A lense of massive pyrite (rock sample 1349036) about 25 cm thick was discovered in the creek bed approximately 500 m east southeast of 2013 camp 1 (Figure 5). The pyrite lense is hosted by dark grey weakly pyritic argillite with shale interbeds. Virtually no oxidization is present with the fine grained massive pyrite. The sample was not anomalous for the elements of interest. Below and downstream of the pyrite lense horizon, the rocks are more shaley, less siliceous with fewer chert – argillite interbeds, indicating a lithological boundary at or near the pyrite horizon.

Three rock samples (1349006, 1349012, and 1349025) of black shale that contained anomalous silver values (71,000 ppb; 44,000 ppb; 66,000 ppb respectively) were examined by scanning electron microscopy (SEM) in an attempt to determine where the silver is hosted within these samples. Although no silver bearing mineralization was observed, two forms of barite were identified; a type one disseminated variety observed in all samples and a type two 'hackly' barite in barite-rich shale clasts. Minor iron oxide +/- zinc veinlets were observed in sample 1349006. The coincidence of type



two barite and Zn-bearing Fe-oxide veinlets suggest that this secondary event may have transported both barite and zinc. The internal company report on the SEM study is included as Appendix E.

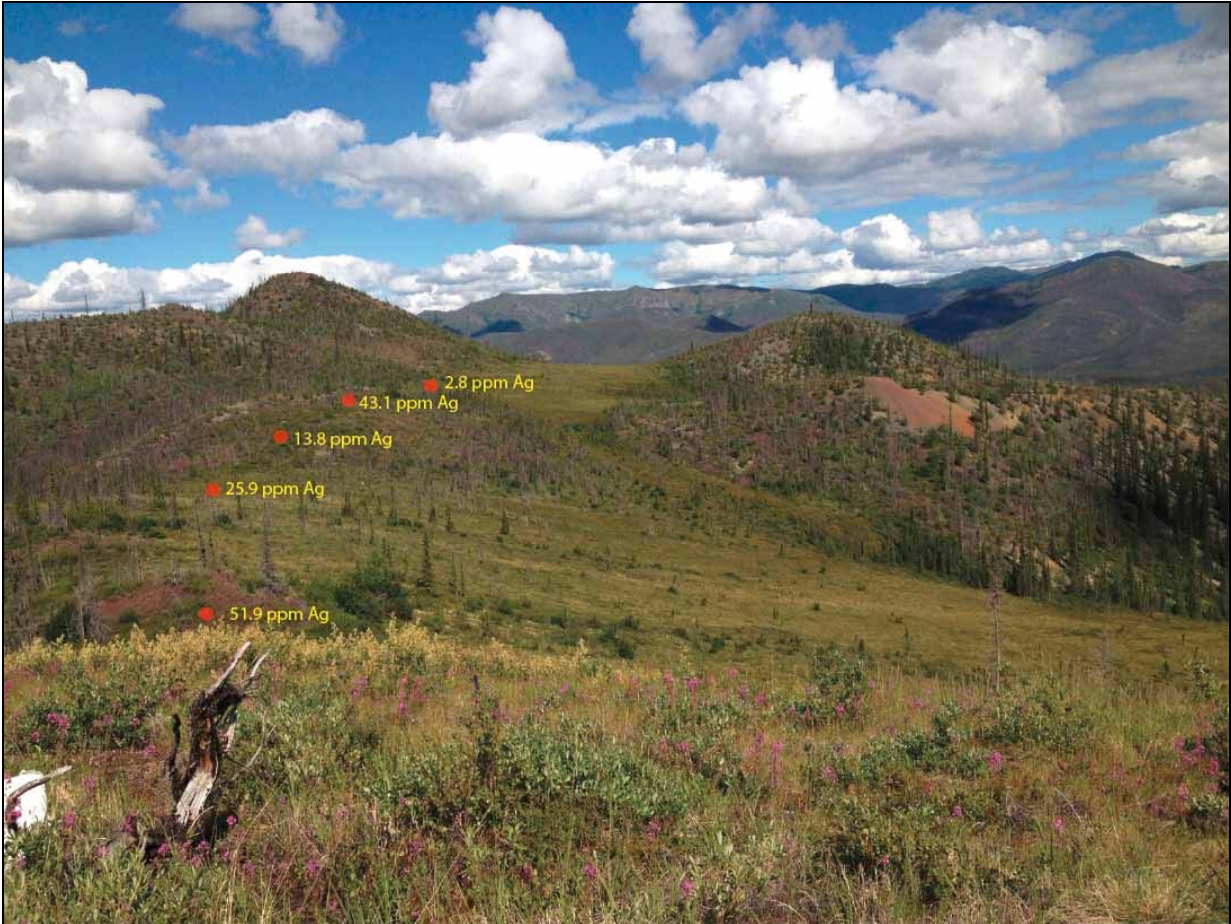


Photo 1. Silver Zone. 2013 Camp 1 (2012 Camp 4) area, looking north, silver in soil values from dark grey variably graphitic shales (sample 1301390 = 51.9 ppm Ag) and nearby gossan over grey shale that returned low values for silver.

## 4.0 GEOCHEMISTRY

A total of 58 rock samples, 28 stream sediment samples and 263 soil samples were collected in 2013 at the Silver Zone and were analyzed by Acme Analytical Laboratories (Vancouver) Ltd. in Vancouver, B.C. Samples collected on the property were transported by Rackla personnel, or contractors, to the Whitehorse preparation laboratory. The screened -80 mesh portion of the sample was sent to Acme's analytical laboratory in Vancouver, BC for analysis. Sample locations for all samples collected in 2012 and 2013 are shown on Figures 6. Geochemical results for silver and three selected elements (Zn, Mo, Ni) are shown on Figures 7 to 10 respectively along with results for samples collected in 2012 and 2013.

Rock samples were crushed to -10 mesh and a 250 g split pulverized to - 200 mesh (Acme method code R200-250). A 15 gram split underwent aqua regia digestion followed by ultra-trace analysis by ICP-MS (induced coupled plasma – mass spectrometer) (Acme method code 1F02) with results for gold plus an additional 36 elements. The analytical certificates are presented in Appendix A and sample locations and analytical results for selected elements in Appendix B.

Soil samples were collected, dried, screened to -80 mesh with a 15 gram split digested by aqua regia and analyzed by ultra-trace ICP-MS for gold and an additional 36 elements (Acme method code 1F02). The analytical certificates are presented in Appendix A and sample locations and analytical results for selected elements in Appendix C. The soil samples were collected by soil auger or occasionally if conditions warranted it, by grub hoe or pick axe, generally from an approximate depth of 0.3 m. In 2013 soil samples were collected within a grid, spacing at approximately 50m x 200 m although permafrost greatly hindered sample collection. Samples collected in 2012 were collected on ridges and spurs spaced 100 m apart.

Stream sediment samples were collected by shovels from traps such as bars and plunge pools. These samples were collected in soil samples bags and a similar amount of gravel was collected to that of a soil sample. Samples were collected, dried, screened to -80 mesh with a 15 gram split digested by aqua regia and analyzed by ultra-trace ICP-MS for gold and an additional 36 elements (Acme method code 1F02). The analytical certificates are presented in Appendix A and sample locations and analytical results for selected elements in Appendix D.

## 6.0 2013 EXPLORATION RESULTS

Rock, soil and stream sediment sampling in 2013 identified a coherent silver in soil anomaly of approximate oval shape, trending northeast, extending for a distance of about 1400 m northeast and 800 m southeast (Figure 7). Values for 14 rock samples out of 62 collected contained between 33,000 – 71,000 ppb silver. Sixteen out of 30 stream sediment samples contained between 8,675 – 32,558 ppb silver and 107 soil samples out of 447 collected contained between 8,919 – 88,932 ppb silver. The anomaly is open to the southwest and is not well constrained to the east.

Analytical results from rock, stream sediment and soil samples also yielded a number of significant anomalous values for zinc, molybdenum and nickel (Figures 8, 9 and 10 respectively) that are approximately coincident with the silver anomaly. Pathfinder elements of arsenic, mercury and thallium and antimony are also anomalous within and near the silver anomaly but do not define a coherent or coincident anomaly with the silver anomaly. A peculiar feature of the silver anomaly is the absence of significant lead values (<11 ppm in rock, <79 ppm in soil and <25 ppm in stream sediment) from samples with anomalous silver values. Gold values are generally low (Table 2).

Table 2. Geochemical Statistics for Selected Elements at the Silver Zone.

Element	Rock samples, n=62					Soil Samples, n=447				
	Mean	Median	Mode	Min	Max	Mean	Median	Mode	Min	Max
<i>Ag (ppb)</i>	16547	3490	33000	78	73000	6836	2273	1094	33	88000
<i>As (ppm)</i>	45.8	28.7	7.6	0.4	314.6	19.9	14.2	15	0.4	285.4
<i>Au (ppb)</i>	1.6	1.1	0.1	0.1	9.4	4.3	3.3	2.9	0.1	41.1
<i>Ba (ppm)</i>	2348.5	1101.8	10000	6.5	10000	1127.4	634.5	10000	12.5	10000
<i>Cr (ppm)</i>	242.78	114.15	#N/A	5.5	1556.6	94.4	40.8	36.3	4.8	1511.1
<i>Cu (ppm)</i>	115.2	56.64	#N/A	1.06	1715.85	53.18	32.31	30.13	4.37	479.38
<i>Hg (ppb)</i>	420.4	309.5	57	2.5	1342	263	154	37	12	3712
<i>Mn (ppm)</i>	41.5	20.5	6	4	358	81	57	11	1	428
<i>Mo (ppm)</i>	26.9	17.65	#N/A	0.13	147.97	14	8	3.34	0.8	194.43
<i>Ni (ppm)</i>	71.10	42.75	2.5	1.4	506.5	56	27	10.5	1.8	1130.4
<i>Pb (ppm)</i>	5.74	6.37	7.96	0.32	10.93	11.81	10.47	6.43	1.39	78.67
<i>Sb (ppm)</i>	3.96	1.74	0.23	0.15	37.96	2.60	1.49	1.14	0.21	74.86
<i>Tl (ppm)</i>	0.404	0.105	0.08	0.01	7	0.69	0.34	0.23	0.06	12.07
<i>Zn (ppm)</i>	314.9	110.5	#N/A	1.4	2413.3	275.2	81.8	31	2.3	6073.4

Within the Silver Zone, rock samples were taken at approximately 50m spacing along the highly anomalous ridge (Camp Ridge) identified in 2012 and similar anomalous Ag values were observed in both rock and soil samples collected in 2013.

Work in 2012 established that this area hosted the strongest and most significant silver anomaly on the property. Two northerly trending ridge top soil lines up to 500 m apart and over a north – south distance of up to a kilometer had 15 samples that contained between 5000 to 69,000 ppb silver along with anomalous Au+/-Cu+/-Zn+/-Mo+/-Ni+/-As+/-Hg and or TI values (Hulstein, 2012). Work on Grid 1\_2013 consisted of a soil sampling grid (50m x 200m spacing), rock sampling (50m spacing following the anomalous 2012 soil line) and hand trenching.

Work on Grid 1\_2013 has established a 1.4 km x 1 km area (N-S x E-W measured distances covering samples > 5 ppm Ag) of anomalous silver values in soil (up to 88 ppm Ag) along with +/- Au+/-Cu+/-Zn+/-Mo+/-Ni+/-As+/-Hg and or TI values. Silver values in soil are greater on the western side of the main ridge (Figure 7) and highly anomalous samples (> 30 ppm Ag) are observed to the SW, suggesting a possible SW extension to the zone.

Rock samples were taken at 50m spacing along the anomalous Ag ridge to better define the location of the higher Ag values and confirm that the Ag values observed in 2012 soils were also reproducible in bedrock at the same location. Rock samples in 2013 returned Ag values up to 73 ppm Ag. Silver values in both rocks and soil were observed to be comparable, for example, the 2012 soil sample location 'GP 2012 035' which returned an Ag value of 69.7 ppm (the highest Ag value from 2012) was re-sampled for both rock and soil, rock sample '1349040' returned 63 ppm Ag and soil sample 1349204 from the same location returned 59.3 ppm.

In both rock and soil samples, silver values were not consistent across the 1.4 km length. Two higher grade sections (defined by Ag values over 30,000 ppb Ag) were observed over Grid 1\_2013, a northern (~450 m - N-S measured distance) and southern zone (~300 m - N-S measured distance), in addition to other high grade samples to the SW of the main ridge.

Three hand dug trenches were completed in 2013 at three locations that returned highly anomalous silver values in soil. Trench dimensions were approximately 0.6 m x 1.8 m x 0.6 – 0.9 m deep (Photo 2). Trenches were mapped and samples were taken from both C-horizon soil and bedrock. Bedrock consisted of fissile black 'coaly' shale.

Several rock samples were collected over Grid 1\_2013 for further analytical work in order to establish how the Ag is hosted within these anomalous rock samples. Four thin sections were made from three rock samples: 1349006, 1349012 and 1349025. Two of which were made from sample 1349025. These samples returned Ag values of 71 ppm Ag, 44 ppm Ag and 66 ppm Ag, respectively. These samples were studied using a Scanning Electron Microscope (SEM), Images were acquired in back-scattered electron (BSE) mode and qualitative analyses of mineral phases were conducted using energy-dispersive X-ray spectroscopy (EDS) (please see the attached report in Appendix G). No Ag-bearing phase was identified within the four thin sections analyzed; however, a 'hackly' form of barite and Zn-bearing Fe-oxide veinlets were observed suggesting that a secondary event associated with the transport of both Ba and Zn has occurred.



Photo 2. Trench 13-1, Larry Brault in background, rock sample 1349040 from bottom contained 63,000 ppb silver.

## 7.0 CONCLUSIONS AND RECOMMENDATIONS

Results from Rackla's 2013 geochemical sampling program on the Face property identified a very strong and coherent silver anomaly with coincident anomalous values in many cases for zinc, nickel and molybdenum. Other elements such as Au, Cu, Zn, As, Sb, Hg and Tl are also locally anomalous with the silver anomaly. Lead is notable for its low values from the samples collected to date. The silver anomaly within and near Grid 1\_2013 is a priority target for follow-up.

Underlying the property area is a package of rocks ranging in age from Upper Proterozoic to Mississippian dominated by siliclastics but also includes lesser amounts of limestone. The property is near the regional easterly trending Coal Creek Fault and a parallel unnamed fault that can be traced in Eagle Creek valley on the west side of the property and is interpreted to extend to the eastern side of the property, a distance of about 30 km. These faults are interpreted to be extensions and or offsets of the Dawson Thrust Fault; a bounding fault to the Rackla Gold Belt located approximately 300 km to the ESE.

The Coal Creek and other faults juxtapose units and could provide fluid conduits for a possible hydrothermal system(s) as indicated by the geochemically anomalous rock and soil samples at Grid 1\_2013. Here, a 1.4 km x 1 km area of anomalous silver values (up to 73 ppm Ag in rock and up to 88 ppm Ag in soil) along with +/- Au +/- Cu +/- Zn +/- Mo +/- Ni +/- As +/- Hg and or Tl values.

Although the silver anomalies could be due to some sort of near surface enrichment there was no evidence for this. However this possibility needs to be ruled out prior to any drilling therefore deeper trenching is recommended.

The 2013 analytical results may indicate the presence of a significant precious metal - base metal hydrothermal system focused in and around the regional thrust faults and possibly other types of faults. No mineralization was found in 2013 but based on the geochemical results and geological setting a number of deposit types are possible including base metal stratiform, precious and base metal replacement and vein type deposits.

Additional rock, soil and stream sediment geochemical surveys, along with geological mapping, prospecting and an airborne magnetic and radiometric survey are recommended to both better define the existing anomalies and to explore the surrounding areas not surveyed in 2012 or 2013. Trenching (either by hand or mechanical) of the higher silver anomalies found in rock and soil, within Grid 1\_2013, is recommended in order to further understand their geological setting and extent.

All of the above work should be directed towards defining precious and base metal targets for trenching and diamond drilling.

## 8.0 STATEMENT OF COSTS

The following costs were incurred on the Face property in 2013.

Contract Exploration Services	\$25,350
Rackla Field Personnel	\$36,449
Helicopter	\$19,342
Groceries and Field supplies	\$14,525
Travel	\$4,689
Vehicles	\$1,985
Geochemistry	\$27,869
<b>Total</b>	<b>\$130,208</b>

Respectfully submitted,

November 15, 2013

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Roger Hulstein, B.Sc., P.Geo.

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Timothy M. Wrighton, B.Sc., M.Sc., GIT



## 9.0 STATEMENT OF QUALIFICATIONS

I, Roger W. Hulstein, of:

106 Wilson Drive  
Whitehorse, Yukon Territory  
Y1A 0C9,

do hereby certify that:

1. I am a mineral exploration geologist with over 25 years of experience working in the Yukon.
2. I am a graduate of Saint Mary's University, Halifax, with a degree in geology (B.Sc., 1981) and have been involved in geology and mineral exploration continuously since 1978.
3. I am a fellow of the Geological Association of Canada (F3572).
4. I am registered as a professional geoscientist (No. 19127) with the Association of Professional Engineers and Geoscientists of the Province of British Columbia.
5. I am the author of this report on the 49 Hat claims in the Dawson Mining District, Yukon.
6. The work was described in the report was carried out under my supervision from July 2 to July 24, 2013.
7. The report is based on results and descriptions provided by co-workers and on referenced sources.

---

Roger Hulstein, B.Sc., FGAC, P.Geo.  
November 15, 2013



I, Timothy M. Wrighton, of:

1806-1155 Harwood Street  
Vancouver, British Columbia  
V6E 1S1

Do hereby certify that:

1. I am a graduate of the University of Leeds, UK with a degree in geology (B.Sc., 2009) and have recently completed a Masters degree in geology from the University of British Columbia (M.Sc., 2013).
2. I am a member of the Society of Economic Geology.
3. I am the co-author of this report on the 49 Hat claims located in the Dawson Mining District.
4. The work described in this report was carried out by myself and co-workers, from July 2<sup>nd</sup> to July 24<sup>th</sup>, 2013.
5. I was on the property for the duration of the sampling program.
6. The report is based on results and rock descriptions provided by myself and co-workers, and on referenced sources.

---

Timothy M. Wrighton, M.Sc., GIT  
November 15, 2013

## 10.0 REFERENCES

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- Hulstein, R.W., 2011. 2011 Geochemical Report on the Face 1-94 Claims. Assessment Report for Radius Gold Inc., Yukon Energy Mines and Resources Library, #095565.
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- Yukon MINFILE, 2011. A database of mineral occurrences. Available digitally: [http://www.geology.gov.yk.ca/databases\\_gis.html](http://www.geology.gov.yk.ca/databases_gis.html)

## **APPENDIX A**

Analytical Certificates



www.acmelab.com

Acme Analytical Laboratories (Vancouver) Ltd.  
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
PHONE (604) 253-3158

Client: **Rackla Metals Inc.**  
650-200 Burrard St.  
Vancouver BC V6C 3L6 CANADA

Submitted By: Roger Hulstein  
Receiving Lab: Canada-Whitehorse  
Received: July 11, 2013  
Report Date: August 16, 2013  
Page: 1 of 2

## CERTIFICATE OF ANALYSIS

WHI13000114.3

### CLIENT JOB INFORMATION

Project: FACE  
Shipment ID: 2013-1  
P.O. Number  
Number of Samples: 20

### 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: Rackla Metals Inc.  
650-200 Burrard St.  
Vancouver BC V6C 3L6  
CANADA

CC: Simon Ridgway  
Dave Clark  
Database Backup

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	20	Crush, split and pulverize 250 g rock to 200 mesh			WHI
1F02	20	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN
7TD1	8	4-acid Digestion ICP-ES Finish	0.5	Completed	VAN

### ADDITIONAL COMMENTS

Version 3 : Revised sample IDs for 1298401 - 1298403.



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



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Report Date: August 16, 2013

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# CERTIFICATE OF ANALYSIS

WHI13000114.3

Method	Analyte	WGHT	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
1349001	Rock	0.95	115.1	240.6	10.93	60.5	72547	53.6	0.1	7	1.90	175.6	62.9	3.5	3.6	684.4	9.31	15.16	0.31	1096	0.09
1349002	Rock	2.02	24.40	45.55	7.29	17.2	33231	30.6	<0.1	5	1.04	36.8	11.6	2.7	2.6	204.0	0.34	1.77	0.30	160	0.05
1349003	Rock	2.41	2.81	4.36	0.32	31.5	815	10.3	0.2	23	0.06	1.4	6.9	1.4	0.2	650.3	1.40	0.41	<0.02	104	30.34
1349004	Rock	1.36	2.15	14.23	1.28	92.0	2998	29.5	1.2	76	0.20	5.3	1.5	2.4	0.4	1176	0.54	0.72	<0.02	95	12.48
1349005	Rock	1.88	65.57	142.0	8.38	119.9	66503	66.9	0.2	4	1.13	64.2	27.5	2.3	1.6	522.2	8.41	7.15	0.22	1035	0.13
1349006	Rock	2.28	43.30	366.3	7.35	72.2	72517	75.5	0.2	7	2.46	42.2	35.8	6.7	2.7	348.6	5.58	2.78	0.29	242	0.53
1349007	Rock	3.08	2.84	8.44	0.45	155.8	3035	37.0	0.3	25	0.14	4.1	2.5	<0.2	0.1	688.6	5.66	0.45	<0.02	137	14.63
1349008	Rock	1.16	11.54	64.49	9.51	712.3	7878	91.8	0.5	18	0.37	14.2	21.0	4.9	2.6	506.0	8.42	4.55	0.23	207	0.59
1349009	Rock	2.37	27.90	233.4	4.96	1143	15826	120.6	0.6	22	0.80	46.0	24.1	5.9	2.2	677.4	15.69	2.51	0.17	140	1.51
1349010	Rock	1.26	148.0	290.6	9.95	1251	13725	198.6	3.6	58	1.86	97.6	44.3	2.5	1.7	778.1	91.36	37.96	0.16	1103	1.46
1349011	Rock	1.96	56.43	204.3	10.55	672.1	40810	116.9	1.2	26	1.65	37.0	24.5	3.4	1.4	356.7	31.00	9.30	0.19	316	0.94
1349012	Rock	2.50	44.43	182.0	9.67	696.5	43913	107.2	0.2	5	1.26	29.4	33.7	9.4	3.9	1208	6.28	4.42	0.31	220	0.73
1349013	Rock	0.98	26.58	62.17	6.31	36.8	1974	7.0	0.2	25	6.18	51.1	5.5	1.6	0.8	218.4	0.64	1.11	0.09	84	0.03
1349014	Rock	1.80	3.09	25.37	5.88	4.8	1316	2.1	0.1	19	1.01	0.4	0.4	0.8	0.2	19.8	0.06	0.41	0.06	62	<0.01
1349015	Rock	1.96	0.88	7.16	3.29	4.2	1160	2.5	0.1	26	0.79	10.6	0.6	2.1	0.2	36.8	0.10	0.23	0.04	28	<0.01
1349016	Rock	1.18	0.90	5.68	3.90	1.4	906	1.4	<0.1	22	0.41	1.6	0.4	1.1	0.1	22.2	0.01	0.23	0.03	21	<0.01
1349017	Rock	1.47	22.82	96.42	6.66	33.7	2834	116.3	2.6	19	2.06	17.4	22.9	<0.2	1.7	124.1	0.13	1.87	0.10	64	0.09
1298401	Rock	1.64	5.64	13.54	1.88	148.6	1514	28.4	1.3	85	0.44	4.9	4.1	<0.2	0.5	565.4	3.63	1.59	<0.02	160	15.59
1298402	Rock	1.25	8.02	14.20	1.22	109.6	1876	48.6	0.7	20	0.19	2.7	12.3	0.6	0.4	1004	1.64	1.11	<0.02	112	26.34
1298403	Rock	1.09	11.95	19.76	1.80	157.9	2437	51.4	0.6	30	0.33	3.0	8.7	<0.2	0.6	709.3	3.13	1.43	<0.02	132	22.07



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# CERTIFICATE OF ANALYSIS

WHI13000114.3

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Ag	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	gm/t	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	2	
1349001	Rock	1.268	37.3	1203	0.03	8400	0.060	36	1.03	<0.001	0.10	1.9	38.5	0.41	0.07	1102	>100	0.53	8.1	73
1349002	Rock	0.220	9.5	246.8	0.02	481.2	0.011	9	0.25	0.006	0.12	0.4	7.0	0.06	0.38	1096	47.3	0.03	2.0	33
1349003	Rock	0.025	1.1	59.9	1.24	2640	<0.001	2	0.04	0.017	<0.01	<0.1	1.1	0.04	0.12	19	1.3	0.02	0.2	
1349004	Rock	0.102	2.1	50.0	4.43	>10000	0.002	9	0.12	0.010	0.01	0.1	1.7	<0.02	<0.02	54	3.3	0.04	0.5	
1349005	Rock	0.679	26.2	1016	0.01	248.2	0.056	15	1.17	0.002	0.21	1.2	3.6	0.30	0.53	1001	43.3	0.30	5.6	67
1349006	Rock	0.240	18.2	566.5	0.12	161.5	0.021	13	0.48	0.021	0.19	0.9	9.2	0.35	0.78	1187	72.4	0.08	5.5	71
1349007	Rock	0.033	2.5	50.7	8.30	>10000	0.003	2	0.09	0.040	<0.01	0.3	1.0	0.09	<0.02	36	3.7	0.03	0.2	
1349008	Rock	0.304	18.0	163.6	0.06	4628	0.016	25	0.72	0.004	0.10	0.4	1.9	0.78	0.08	661	6.7	<0.02	2.3	
1349009	Rock	0.400	19.4	320.5	0.18	9374	0.031	15	0.62	0.005	0.11	0.6	6.1	1.29	0.07	510	29.8	0.16	3.0	16
1349010	Rock	0.715	7.0	255.7	0.09	1742	0.009	47	1.11	<0.001	0.13	1.4	6.0	7.00	0.13	1062	34.7	0.24	12.7	15
1349011	Rock	0.288	8.0	279.0	0.10	531.7	0.007	21	0.48	0.007	0.21	0.8	4.1	1.53	0.41	804	82.0	0.16	4.0	42
1349012	Rock	0.679	42.4	669.6	0.05	6249	0.067	24	1.09	0.005	0.15	1.4	4.8	1.37	0.13	751	43.0	0.20	4.3	44
1349013	Rock	0.092	1.9	131.4	0.03	61.6	0.003	16	0.42	0.113	0.48	0.1	4.3	0.72	2.07	197	35.6	0.12	6.0	
1349014	Rock	0.005	0.7	22.0	0.02	408.7	<0.001	11	0.29	0.003	0.15	<0.1	1.0	0.07	0.18	135	14.4	0.09	1.4	
1349015	Rock	0.008	0.9	13.6	0.01	426.4	<0.001	6	0.17	0.004	0.10	<0.1	0.8	0.08	0.18	62	2.0	0.12	0.9	
1349016	Rock	0.002	1.2	9.4	0.02	909.9	<0.001	6	0.22	0.003	0.08	<0.1	0.5	0.10	0.08	54	0.9	<0.02	0.6	
1349017	Rock	0.074	7.5	79.9	0.06	49.3	0.002	29	0.54	0.005	0.15	0.3	3.2	0.05	2.28	344	24.4	0.08	2.2	
1298401	Rock	0.077	2.3	69.1	3.76	1875	0.001	17	0.16	0.023	0.03	0.1	2.0	0.03	0.11	56	9.2	0.05	0.7	
1298402	Rock	0.062	5.0	78.2	0.44	>10000	<0.001	6	0.08	0.012	0.01	0.2	2.6	0.03	0.05	45	10.4	0.08	0.5	
1298403	Rock	0.096	4.2	78.8	0.56	4308	0.001	12	0.14	0.013	0.03	0.3	1.9	0.03	0.08	65	15.1	0.09	0.9	



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 9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
 PHONE (604) 253-3158

Client: **Rackla Metals Inc.**  
 650-200 Burrard St.  
 Vancouver BC V6C 3L6 CANADA

Project: FACE  
 Report Date: August 16, 2013

Page: 1 of 1

Part: 1 of 2

# QUALITY CONTROL REPORT

WHI13000114.3

Method	WGHT	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	
Pulp Duplicates																					
1349017	Rock	1.47	22.82	96.42	6.66	33.7	2834	116.3	2.6	19	2.06	17.4	22.9	<0.2	1.7	124.1	0.13	1.87	0.10	64	0.09
REP 1349017	QC		22.19	96.14	6.95	35.2	2841	117.1	2.8	19	2.07	17.4	24.1	<0.2	1.9	127.5	0.13	1.85	0.11	66	0.08
1298403	Rock	1.09	11.95	19.76	1.80	157.9	2437	51.4	0.6	30	0.33	3.0	8.7	<0.2	0.6	709.3	3.13	1.43	<0.02	132	22.07
REP 1298403	QC		12.53	20.62	1.87	156.4	2546	53.5	0.8	31	0.34	3.1	9.3	<0.2	0.7	724.7	3.28	1.46	<0.02	132	21.48
Core Reject Duplicates																					
1298401	Rock	1.64	5.64	13.54	1.88	148.6	1514	28.4	1.3	85	0.44	4.9	4.1	<0.2	0.5	565.4	3.63	1.59	<0.02	160	15.59
DUP 1298401	QC		5.69	14.18	1.88	150.5	1492	28.5	1.3	90	0.49	4.7	4.2	0.2	0.6	572.0	3.51	1.56	<0.02	160	15.64
Reference Materials																					
STD CDN-ME-14	Standard																				
STD CDN-ME-9	Standard																				
STD DS9	Standard		14.58	114.5	135.3	311.8	1658	39.5	8.1	644	2.57	25.5	3.2	121.0	7.5	78.3	2.41	6.10	6.36	42	0.76
STD DS9 Expected			12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201
STD CDN-ME-14 Expected																					
BLK	Blank		<0.01	<0.01	<0.01	0.2	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	1.9	<0.01	<0.02	<0.02	<2	0.05
BLK	Blank																				
Prep Wash																					
G1-WHI	Prep Blank		0.06	2.80	3.94	48.3	11	2.9	4.3	629	2.03	<0.1	2.2	5.3	6.3	80.0	0.02	0.04	0.27	37	0.64
G1-WHI	Prep Blank		0.06	3.47	3.91	44.8	15	2.9	4.2	610	1.98	0.5	2.3	3.1	6.4	68.9	<0.01	0.02	0.16	36	0.57

## QUALITY CONTROL REPORT

WHI13000114.3

Method		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD	
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Ag
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	gm/t
MDL		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	2
Pulp Duplicates																				
1349017	Rock	0.074	7.5	79.9	0.06	49.3	0.002	29	0.54	0.005	0.15	0.3	3.2	0.05	2.28	344	24.4	0.08	2.2	
REP 1349017	QC	0.076	7.9	82.2	0.06	51.3	0.002	30	0.56	0.005	0.16	0.2	3.1	0.04	2.28	329	24.7	<0.02	2.2	
1298403	Rock	0.096	4.2	78.8	0.56	4308	0.001	12	0.14	0.013	0.03	0.3	1.9	0.03	0.08	65	15.1	0.09	0.9	
REP 1298403	QC	0.099	4.4	82.2	0.56	4067	0.001	12	0.14	0.013	0.03	0.2	2.0	0.02	0.08	66	15.6	0.05	0.9	
Core Reject Duplicates																				
1298401	Rock	0.077	2.3	69.1	3.76	1875	0.001	17	0.16	0.023	0.03	0.1	2.0	0.03	0.11	56	9.2	0.05	0.7	
DUP 1298401	QC	0.075	2.4	70.7	3.78	1903	0.001	17	0.16	0.024	0.04	0.1	1.9	0.04	0.11	50	9.4	0.05	0.6	
Reference Materials																				
STD CDN-ME-14	Standard																			45
STD CDN-ME-9	Standard																			4
STD DS9	Standard	0.082	18.6	118.7	0.64	299.4	0.143	4	0.97	0.095	0.44	3.2	2.4	5.34	0.17	206	5.6	5.16	4.8	
STD DS9 Expected		0.0819	13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59	
STD CDN-ME-14 Expected																				45
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	0.04	<0.1	
BLK	Blank																			<2
Prep Wash																				
G1-WHI	Prep Blank	0.078	16.4	6.2	0.56	192.7	0.141	2	1.04	0.102	0.52	<0.1	2.4	0.36	<0.02	6	<0.1	<0.02	5.0	
G1-WHI	Prep Blank	0.073	13.5	6.2	0.55	179.5	0.130	2	0.99	0.094	0.52	<0.1	2.4	0.35	<0.02	<5	<0.1	<0.02	4.8	





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Vancouver BC V6C 3L6 CANADA

Submitted By: Roger Hulstein  
Receiving Lab: Canada-Whitehorse  
Received: July 11, 2013  
Report Date: July 29, 2013  
Page: 1 of 3

## CERTIFICATE OF ANALYSIS

WHI13000115.3

### CLIENT JOB INFORMATION

Project: FACE  
Shipment ID: 2013-1  
P.O. Number  
Number of Samples: 45

### 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: Rackla Metals Inc.  
650-200 Burrard St.  
Vancouver BC V6C 3L6  
CANADA

CC: Simon Ridgway  
Dave Clark  
Database Backup

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	44	Crush, split and pulverize 250 g rock to 200 mesh			WHI
1F02	45	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN
7TD1	15	4-acid Digestion ICP-ES Finish	0.5	Completed	VAN

### ADDITIONAL COMMENTS

Version 2 : 7TD-Ag 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.

# CERTIFICATE OF ANALYSIS

WHI13000115.3

Method	WGHT	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	
1349018	Rock	1.30	24.70	274.6	9.09	1623	19014	70.9	0.1	8	1.14	45.6	41.0	5.1	2.6	356.8	4.18	2.56	0.32	135	0.33
1349019	Rock	1.58	16.76	101.9	7.96	2083	13620	480.4	12.5	60	2.83	52.0	13.1	<0.2	1.2	246.9	3.24	7.40	0.14	278	0.75
1349020	Rock	1.30	16.82	93.51	7.72	779.2	15025	251.4	3.7	38	1.12	31.5	8.8	2.1	1.2	203.2	2.06	5.46	0.19	121	0.75
1349021	Rock	3.50	10.62	98.51	6.49	314.7	7597	99.0	1.2	7	1.09	54.2	27.2	1.1	0.7	271.9	0.37	2.75	0.15	107	0.37
1349022	Rock	2.48	20.49	126.6	6.96	1674	15044	231.8	2.3	26	1.26	34.8	10.3	2.4	0.8	254.1	5.11	6.05	0.17	145	1.28
1349023	Rock	1.99	96.62	95.91	7.40	49.3	69349	59.4	0.1	4	1.41	80.3	27.4	1.7	1.8	199.9	4.93	10.26	0.19	587	0.46
1349024	Rock	1.49	87.77	1716	7.07	1049	33436	506.5	3.5	78	2.51	187.6	48.9	2.1	1.5	459.2	32.21	18.92	0.13	522	2.10
1349025	Rock	2.28	94.88	142.3	9.84	69.3	63721	54.9	0.2	6	1.95	230.3	51.8	0.5	3.0	644.5	6.51	13.28	0.22	902	0.08
1349026	Rock Pulp	0.07	17.16	41.73	39.04	188.0	1654	50.7	6.5	274	1.95	542.1	5.2	217.1	3.1	55.2	2.19	64.23	0.29	92	7.81
1349027	Rock	2.11	22.77	38.71	6.36	70.4	24664	67.2	0.4	13	0.69	31.3	18.6	<0.2	1.0	230.5	2.02	2.43	0.18	218	0.07
1349028	Rock	2.28	59.11	161.4	7.35	111.4	59940	51.2	0.2	6	1.26	94.3	38.4	<0.2	2.5	465.8	25.33	7.14	0.19	834	1.13
1349029	Rock	1.33	1.56	7.11	2.60	39.0	666	10.0	0.9	38	0.67	6.7	1.3	0.4	0.6	714.7	0.49	0.52	<0.02	22	13.91
1349030	Rock	1.31	18.48	30.45	7.33	152.5	2981	10.7	0.3	13	0.86	10.5	4.3	1.1	1.3	98.1	2.93	1.24	0.14	72	0.18
1349031	Rock	1.60	26.32	53.39	9.36	190.8	3783	19.3	1.0	20	3.01	129.3	9.5	0.3	1.8	145.9	3.95	1.28	0.18	115	0.23
1349032	Rock	1.74	22.16	63.56	7.40	258.5	4130	36.1	0.9	18	2.55	44.8	10.4	1.0	1.6	109.0	5.28	1.71	0.17	129	0.21
1349033	Rock	2.00	20.00	57.50	7.85	117.1	2581	25.9	0.8	14	2.39	26.4	8.6	<0.2	1.3	101.9	1.49	1.46	0.18	74	0.12
1349034	Rock	1.65	10.17	46.33	6.38	19.1	4169	59.8	1.3	10	4.85	84.1	5.8	0.4	0.9	33.6	0.16	4.03	0.12	43	0.03
1349035	Rock	0.94	1.76	61.23	6.33	51.6	1377	22.7	1.6	33	1.96	4.6	1.7	1.3	0.2	17.6	0.32	0.62	0.11	36	0.05
1349036	Rock	2.05	2.37	75.94	0.58	48.6	1492	16.3	1.2	293	18.83	1.6	2.1	3.2	<0.1	16.1	0.39	1.28	0.07	238	2.36
1349037	Rock	1.45	0.12	47.42	4.13	110.2	178	19.7	4.2	24	2.52	3.4	0.2	<0.2	0.3	70.9	0.02	0.22	0.17	57	0.02
1349038	Rock	1.35	0.10	39.39	1.44	237.1	101	51.1	8.2	242	1.03	0.4	0.4	1.4	0.2	32.6	0.05	0.12	0.04	9	0.01
1349039	Rock	1.54	0.24	15.47	3.42	34.8	517	7.0	0.9	32	0.98	2.1	0.1	2.8	0.1	29.2	<0.01	0.23	0.05	21	<0.01
1349040	Rock	2.30	82.34	445.5	9.50	176.8	60016	62.0	0.2	9	1.08	60.6	91.7	0.8	3.0	734.1	64.76	19.71	0.18	1018	2.26
1349041	Rock	1.52	9.03	13.95	10.44	16.4	11078	26.4	0.1	6	0.34	6.1	18.2	1.3	3.4	469.6	0.21	2.85	0.24	212	0.34
1349042	Rock	2.75	9.50	43.79	2.39	490.5	6650	96.8	1.0	133	0.74	28.0	7.9	<0.2	1.0	838.3	15.65	1.00	0.04	289	16.23
1349101	Rock	1.38	39.22	25.73	5.04	59.5	22221	56.1	0.2	6	0.70	47.0	15.1	0.2	2.0	257.6	0.75	4.79	0.10	278	0.10
1349102	Rock	1.96	26.79	109.4	5.06	124.8	32758	46.9	0.3	11	1.65	39.2	17.6	4.5	2.0	717.7	6.18	2.46	0.16	282	1.63
1349103	Rock	1.87	6.09	24.54	0.79	411.1	3654	43.6	0.6	56	0.36	7.6	3.7	0.8	0.2	567.2	20.09	0.86	<0.02	207	9.62
1349104	Rock	1.23	0.68	7.03	5.48	7.4	1577	3.0	0.2	23	1.52	4.4	0.4	2.0	0.3	61.5	0.16	0.31	0.06	23	0.04
1349105	Rock	1.31	0.53	4.78	1.38	44.4	231	11.3	1.0	58	0.35	2.6	0.9	<0.2	0.5	1691	0.60	0.23	<0.02	22	25.64

# CERTIFICATE OF ANALYSIS

WHI13000115.3

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Ag	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	gm/t
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.1	2
1349018	Rock	0.155	14.0	213.7	0.03	819.5	0.009	19	0.36	0.016	0.15	0.3	7.1	0.49	0.37	602	50.3	<0.02	2.9	19
1349019	Rock	0.167	1.6	175.8	0.04	1655	0.002	18	0.34	0.005	0.07	0.3	8.0	0.09	0.15	242	34.6	0.18	2.2	14
1349020	Rock	0.169	1.9	179.1	0.03	1945	0.002	21	0.29	0.005	0.07	0.4	5.5	0.12	0.10	322	17.6	0.05	2.7	15
1349021	Rock	0.246	1.3	188.5	0.02	1173	0.002	52	0.36	0.013	0.11	0.3	6.3	0.17	0.23	309	18.2	0.06	4.3	
1349022	Rock	0.211	1.5	147.8	0.12	2038	0.002	21	0.31	0.005	0.07	0.5	3.9	0.76	0.14	297	33.8	0.07	2.3	16
1349023	Rock	0.470	7.3	268.5	0.02	717.0	0.004	13	0.20	0.007	0.07	0.9	5.2	0.36	0.32	733	56.2	0.22	4.4	71
1349024	Rock	1.021	10.5	451.2	0.56	2109	0.006	8	0.76	0.008	0.03	1.5	5.1	1.29	0.13	958	30.7	0.18	14.6	34
1349025	Rock	1.272	32.0	1074	0.02	8245	0.045	30	0.89	0.004	0.08	1.4	42.9	0.29	0.09	1221	>100	0.41	7.6	66
1349026	Rock Pulp	0.082	12.3	29.8	2.06	145.9	0.005	4	0.49	0.005	0.20	4.5	3.0	2.37	1.37	4484	3.0	0.23	1.4	
1349027	Rock	0.148	14.6	271.4	0.02	1194	0.016	5	0.34	0.006	0.06	0.5	1.9	0.07	0.23	589	19.4	0.12	1.9	27
1349028	Rock	1.207	25.9	637.4	0.03	1316	0.027	29	0.89	0.011	0.13	1.4	8.3	0.26	0.19	1055	48.9	0.18	4.9	62
1349029	Rock	0.060	1.0	24.9	0.21	758.6	<0.001	5	0.11	0.008	0.03	<0.1	1.0	0.12	0.32	31	1.1	0.07	0.3	
1349030	Rock	0.030	5.6	41.8	0.04	870.0	0.002	30	0.49	0.010	0.17	<0.1	1.3	0.09	0.29	332	8.7	0.10	1.7	
1349031	Rock	0.159	6.4	96.9	0.05	154.3	0.002	37	0.54	0.020	0.36	0.1	5.5	0.08	1.11	433	24.1	0.11	3.6	
1349032	Rock	0.064	5.3	85.7	0.05	191.0	0.002	28	0.51	0.014	0.26	0.1	3.2	0.06	0.94	408	16.3	<0.02	3.1	
1349033	Rock	0.042	3.8	60.2	0.05	203.6	0.001	27	0.55	0.020	0.24	<0.1	3.3	0.08	0.94	455	20.5	0.06	2.6	
1349034	Rock	0.019	2.4	47.2	0.03	18.4	<0.001	16	0.34	0.005	0.11	<0.1	1.6	0.08	5.72	375	51.0	0.19	1.3	
1349035	Rock	0.007	0.7	27.0	0.03	92.8	<0.001	6	0.29	0.004	0.07	<0.1	1.8	0.07	1.79	297	6.6	0.07	0.8	
1349036	Rock	0.009	<0.5	22.5	2.25	6.5	0.001	12	0.27	0.013	0.06	1.2	32.3	0.14	>10	343	25.2	<0.02	0.9	
1349037	Rock	0.012	0.8	17.1	0.03	1940	<0.001	7	0.34	0.002	0.09	<0.1	2.1	0.03	0.12	48	0.5	0.30	1.6	
1349038	Rock	0.008	<0.5	5.8	0.02	2604	<0.001	<1	0.49	<0.001	0.02	<0.1	4.4	<0.02	0.08	21	0.2	<0.02	0.2	
1349039	Rock	0.005	<0.5	10.2	<0.01	1111	<0.001	<1	0.17	0.036	0.04	<0.1	0.9	0.03	0.11	63	1.3	0.10	0.4	
1349040	Rock	2.004	32.9	864.7	0.03	2474	0.030	31	1.21	0.012	0.11	1.9	22.6	1.41	0.15	1342	62.9	0.22	9.3	63
1349041	Rock	0.274	15.4	141.2	0.04	2179	0.021	26	0.67	0.006	0.14	0.4	2.0	0.06	0.16	1131	21.3	0.11	1.9	11
1349042	Rock	0.213	5.5	167.1	7.05	6340	0.008	2	0.21	0.031	0.03	0.2	4.0	0.14	0.05	153	11.2	0.09	1.5	
1349101	Rock	0.341	12.9	328.8	0.04	2111	0.012	9	0.37	0.006	0.07	0.5	5.3	<0.02	0.19	596	43.2	0.02	2.8	24
1349102	Rock	0.627	26.6	503.3	0.49	1031	0.051	16	0.75	0.022	0.13	0.6	3.9	0.38	0.40	532	40.4	0.09	3.3	33
1349103	Rock	0.165	2.9	53.5	3.66	>10000	0.002	2	0.08	0.022	<0.01	0.2	1.0	0.32	0.02	74	6.2	0.08	0.5	
1349104	Rock	0.016	0.7	17.0	0.02	335.3	<0.001	5	0.23	0.015	0.19	<0.1	1.0	0.11	0.47	110	3.7	0.10	1.2	
1349105	Rock	0.024	1.0	11.9	0.63	2910	<0.001	1	0.10	0.008	0.02	<0.1	1.4	0.05	0.08	21	0.3	0.02	0.1	



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Project: FACE  
 Report Date: July 29, 2013

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# CERTIFICATE OF ANALYSIS

WHI13000115.3

Method	Analyte	WGHT	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit	MDL	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
1349106	Rock	0.90	5.92	18.33	4.64	29.1	594	9.2	0.7	21	0.75	4.3	1.9	0.8	0.2	43.0	0.07	0.97	0.08	20	0.10
1349107	Rock	1.68	44.48	245.3	7.26	470.6	57047	133.5	0.6	13	4.11	36.9	24.0	<0.2	3.1	273.8	8.09	3.90	0.23	327	0.22
1349108	Rock	2.44	21.06	57.68	7.44	175.3	3006	21.2	0.6	14	2.32	37.7	10.7	<0.2	1.7	120.1	3.64	1.26	0.17	103	0.17
1349109	Rock	1.51	2.26	18.07	2.23	128.8	506	25.2	1.7	358	0.65	6.6	2.1	3.1	0.7	1218	2.11	0.55	0.08	105	13.88
1349110	Rock	1.23	20.50	112.3	4.06	154.3	2182	41.9	1.8	49	5.82	46.2	10.9	3.8	1.1	505.0	1.79	2.45	0.10	125	8.73
1349111	Rock	1.11	8.94	51.03	9.66	43.1	2555	32.9	1.7	18	1.81	15.1	3.7	1.9	0.8	36.7	0.50	1.59	0.20	52	0.10
1349112	Rock	1.31	71.61	347.7	4.64	2413	3326	310.9	3.2	99	18.70	167.7	36.6	3.2	1.8	145.0	16.64	5.07	0.10	495	0.34
1349113	Rock	1.34	0.17	7.45	2.09	33.0	55	8.4	1.7	25	0.42	5.4	0.1	2.6	0.1	18.0	<0.01	0.14	0.07	15	<0.01
1349114	Rock	1.89	1.29	16.57	11.01	9.8	1149	4.5	0.4	8	3.22	6.6	0.4	8.2	0.4	96.2	<0.01	0.63	0.19	29	<0.01
1349115	Rock	1.64	1.10	13.63	5.14	19.9	245	2.4	0.3	24	0.87	10.0	0.3	8.6	0.2	38.6	<0.01	0.40	0.06	36	<0.01
1349116	Rock	2.34	0.22	11.60	7.58	4.6	1140	2.1	0.2	16	0.73	3.5	0.4	6.5	0.3	34.1	<0.01	0.36	0.14	22	<0.01
1349117	Rock	1.36	0.29	8.86	4.54	9.0	386	2.1	0.4	25	0.56	4.0	0.2	2.6	0.1	25.3	<0.01	0.29	0.05	17	<0.01
1349118	Rock	1.39	35.79	155.5	4.56	137.9	8049	40.3	0.4	6	13.33	314.6	81.4	1.6	0.4	159.5	1.74	3.71	0.12	547	0.04
1349119	Rock	1.46	51.47	55.78	7.31	63.3	52793	59.0	0.1	6	2.62	157.0	16.0	0.5	2.7	271.9	2.24	2.69	0.25	363	0.06
1349120	Rock	0.86	2.72	19.36	1.78	82.3	725	26.2	1.1	213	0.59	5.4	1.8	1.2	0.6	701.6	0.42	0.29	0.03	117	12.89



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Project: FACE  
 Report Date: July 29, 2013

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# CERTIFICATE OF ANALYSIS

WHI13000115.3

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Ag	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	gm/t	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	2	
1349106	Rock	0.018	0.6	15.8	0.02	1180	<0.001	11	0.26	0.004	0.11	<0.1	1.1	0.08	0.11	77	3.1	0.07	1.0	
1349107	Rock	0.160	12.8	396.6	0.02	184.7	0.008	11	0.93	0.016	0.22	0.5	5.0	0.03	0.84	1044	73.4	0.12	4.7	58
1349108	Rock	0.057	5.4	81.7	0.05	184.2	0.002	30	0.55	0.017	0.27	0.1	3.0	0.06	0.73	404	13.9	0.05	3.5	
1349109	Rock	0.038	0.9	55.4	8.75	2759	0.005	4	0.20	0.078	0.03	<0.1	2.5	<0.02	0.08	78	3.2	0.14	0.6	
1349110	Rock	0.147	2.9	132.5	0.35	402.6	0.002	12	0.42	0.011	0.09	0.1	7.7	0.19	0.32	136	17.1	0.08	3.8	
1349111	Rock	0.009	2.0	27.3	0.05	92.5	<0.001	16	0.40	0.005	0.14	0.1	1.2	0.13	1.35	231	16.4	0.14	1.5	
1349112	Rock	0.279	2.9	483.6	0.04	846.4	0.004	15	0.90	0.010	0.07	0.2	11.0	0.25	0.23	146	55.8	0.09	15.4	
1349113	Rock	0.003	<0.5	8.9	0.02	1711	<0.001	5	0.20	0.002	0.09	<0.1	0.9	0.02	0.06	24	0.4	0.15	0.7	
1349114	Rock	0.015	0.7	7.5	0.02	123.2	<0.001	9	0.25	0.030	0.27	<0.1	1.6	0.21	1.12	295	3.3	0.13	1.3	
1349115	Rock	0.009	0.6	11.0	0.01	1634	<0.001	3	0.18	0.004	0.06	<0.1	1.0	0.05	0.11	39	1.6	0.04	0.8	
1349116	Rock	0.007	0.7	7.9	0.02	1017	<0.001	8	0.26	0.005	0.09	<0.1	1.7	0.05	0.10	142	1.0	0.15	1.0	
1349117	Rock	0.004	<0.5	8.2	0.01	1833	<0.001	5	0.20	0.005	0.07	<0.1	0.9	0.02	0.08	24	0.7	0.04	0.7	
1349118	Rock	0.741	1.4	1557	0.02	36.4	0.007	21	0.59	0.048	0.86	0.3	5.8	1.19	2.75	310	34.2	0.40	27.7	
1349119	Rock	0.306	14.7	485.3	0.02	253.4	0.013	10	0.32	0.007	0.18	0.8	6.1	0.05	0.67	950	71.1	0.16	5.8	56
1349120	Rock	0.044	0.7	50.3	8.14	>10000	0.005	2	0.12	0.072	0.01	<0.1	2.8	0.02	<0.02	57	2.9	0.07	0.4	



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Project: FACE  
 Report Date: July 29, 2013

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# QUALITY CONTROL REPORT

WHI13000115.3

Method	WGHT	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	
Pulp Duplicates																					
1349102	Rock	1.96	26.79	109.4	5.06	124.8	32758	46.9	0.3	11	1.65	39.2	17.6	4.5	2.0	717.7	6.18	2.46	0.16	282	1.63
REP 1349102	QC		25.94	107.1	5.20	117.7	32724	46.4	0.4	11	1.65	39.0	17.5	3.9	2.0	705.9	6.10	2.53	0.16	279	1.63
1349103	Rock	1.87	6.09	24.54	0.79	411.1	3654	43.6	0.6	56	0.36	7.6	3.7	0.8	0.2	567.2	20.09	0.86	<0.02	207	9.62
REP 1349103	QC		6.46	24.81	0.75	413.3	3337	43.4	0.6	55	0.36	7.5	3.5	0.5	0.2	568.5	19.88	0.79	<0.02	206	9.54
1349120	Rock	0.86	2.72	19.36	1.78	82.3	725	26.2	1.1	213	0.59	5.4	1.8	1.2	0.6	701.6	0.42	0.29	0.03	117	12.89
REP 1349120	QC		2.72	19.50	1.71	83.3	563	26.5	1.3	217	0.60	5.3	1.7	1.4	0.6	704.9	0.43	0.30	0.03	116	12.79
Core Reject Duplicates																					
1349019	Rock	1.58	16.76	101.9	7.96	2083	13620	480.4	12.5	60	2.83	52.0	13.1	<0.2	1.2	246.9	3.24	7.40	0.14	278	0.75
DUP 1349019	QC		16.78	102.7	8.11	2102	13559	481.7	13.3	60	2.85	53.1	13.4	<0.2	1.2	253.0	3.40	7.30	0.15	284	0.74
1349111	Rock	1.11	8.94	51.03	9.66	43.1	2555	32.9	1.7	18	1.81	15.1	3.7	1.9	0.8	36.7	0.50	1.59	0.20	52	0.10
DUP 1349111	QC		8.91	51.02	9.65	37.3	2515	34.5	1.7	17	1.76	15.7	3.7	2.1	0.8	32.9	0.39	1.57	0.19	51	0.08
Reference Materials																					
STD CDN-ME-14	Standard																				
STD CDN-ME-9	Standard																				
STD DS9	Standard		13.47	110.7	131.8	317.7	1954	39.1	7.5	619	2.51	26.5	2.7	112.7	6.2	69.5	2.34	5.98	6.70	40	0.71
STD DS9	Standard		11.91	101.4	124.6	302.8	1745	36.8	7.3	599	2.34	25.3	2.7	115.5	6.4	66.6	2.27	6.31	6.64	39	0.67
STD DS9 Expected			12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201
STD CDN-ME-14 Expected																					
BLK	Blank		<0.01	<0.01	0.01	0.3	<2	0.2	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank		<0.01	<0.01	0.19	0.3	<2	<0.1	<0.1	<1	<0.01	0.3	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
BLK	Blank																				
Prep Wash																					
G1-WHI	Prep Blank		0.10	4.45	3.65	44.7	22	3.3	4.0	542	1.79	1.0	1.8	2.5	4.9	58.5	0.03	0.03	0.15	32	0.45
G1-WHI	Prep Blank		0.05	2.74	3.65	45.5	20	2.5	4.0	584	1.87	0.8	2.0	0.9	5.4	60.3	0.01	<0.02	0.10	35	0.49



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Project: FACE  
 Report Date: July 29, 2013

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# QUALITY CONTROL REPORT

WHI13000115.3

Method		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD	
Analyte		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Ag
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	gm/t
MDL		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	2
Pulp Duplicates																				
1349102	Rock	0.627	26.6	503.3	0.49	1031	0.051	16	0.75	0.022	0.13	0.6	3.9	0.38	0.40	532	40.4	0.09	3.3	33
REP 1349102	QC	0.612	26.3	497.6	0.48	899.7	0.049	14	0.74	0.022	0.13	0.7	3.5	0.36	0.39	562	40.3	0.12	3.1	
1349103	Rock	0.165	2.9	53.5	3.66	>10000	0.002	2	0.08	0.022	<0.01	0.2	1.0	0.32	0.02	74	6.2	0.08	0.5	
REP 1349103	QC	0.170	2.9	52.9	3.67	>10000	0.003	1	0.08	0.022	<0.01	0.2	0.9	0.32	0.03	62	5.5	0.03	0.5	
1349120	Rock	0.044	0.7	50.3	8.14	>10000	0.005	2	0.12	0.072	0.01	<0.1	2.8	0.02	<0.02	57	2.9	0.07	0.4	
REP 1349120	QC	0.045	0.7	50.1	8.17	>10000	0.005	2	0.12	0.072	0.01	<0.1	2.7	0.02	<0.02	60	3.1	0.11	0.4	
Core Reject Duplicates																				
1349019	Rock	0.167	1.6	175.8	0.04	1655	0.002	18	0.34	0.005	0.07	0.3	8.0	0.09	0.15	242	34.6	0.18	2.2	14
DUP 1349019	QC	0.165	1.7	181.3	0.04	1553	0.002	23	0.35	0.006	0.08	0.4	8.2	0.10	0.15	235	36.7	0.16	2.4	13
1349111	Rock	0.009	2.0	27.3	0.05	92.5	<0.001	16	0.40	0.005	0.14	0.1	1.2	0.13	1.35	231	16.4	0.14	1.5	
DUP 1349111	QC	0.008	2.0	26.9	0.04	99.4	<0.001	15	0.41	0.005	0.14	<0.1	1.2	0.13	1.37	239	16.2	0.15	1.5	
Reference Materials																				
STD CDN-ME-14	Standard																			45
STD CDN-ME-9	Standard																			4
STD DS9	Standard	0.083	14.3	117.8	0.63	295.8	0.114	1	0.97	0.102	0.45	2.9	2.5	5.29	0.16	180	5.4	5.19	4.5	
STD DS9	Standard	0.080	13.8	112.6	0.58	264.7	0.111	2	0.85	0.083	0.40	3.0	2.3	5.13	0.16	216	5.5	5.27	4.5	
STD DS9 Expected		0.0819	13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59	
STD CDN-ME-14 Expected																				45
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	
BLK	Blank	<0.001	<0.5	<0.5	<0.01	6.3	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	0.04	<0.1	
BLK	Blank																			<2
Prep Wash																				
G1-WHI	Prep Blank	0.072	10.8	5.5	0.46	164.1	0.104	1	0.99	0.115	0.50	<0.1	2.1	0.32	<0.02	12	<0.1	<0.02	4.5	
G1-WHI	Prep Blank	0.079	10.8	5.6	0.50	167.2	0.113	<1	1.06	0.117	0.52	<0.1	2.5	0.31	<0.02	9	<0.1	<0.02	4.5	



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Submitted By: Roger Hulstein
Receiving Lab: Canada-Whitehorse
Received: July 11, 2013
Report Date: August 08, 2013
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CERTIFICATE OF ANALYSIS

WHI13000116.2

CLIENT JOB INFORMATION

Project: FACE
Shipment ID: 2013-1
P.O. Number
Number of Samples: 293

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Procedure Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include procedures like 'Dry at 60C', 'SS80', '1F02', 'G6Gr', and '1F01'.

ADDITIONAL COMMENTS

Version 2 : 1F01 for sample 1307011 included.

Invoice To: Rackla Metals Inc.
650-200 Burrard St.
Vancouver BC V6C 3L6
CANADA

CC: Simon Ridgway
Dave Clark
Database Backup



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# CERTIFICATE OF ANALYSIS

WHI13000116.2

Method Analyte	Unit	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
MDL		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1307001	Soil	17.98	151.6	6.95	370.6	42410	87.1	0.7	10	1.15	49.9	13.0	6.5	1.3	507.7	17.92	3.12	0.28	186	1.45	0.552
1307002	Soil	17.51	120.0	8.37	205.0	12293	56.9	0.5	8	1.58	42.9	22.0	6.5	0.6	309.8	12.17	2.95	0.26	162	0.08	0.224
1307003	Soil	33.44	61.61	10.82	1431	34519	127.3	1.4	32	1.57	35.2	23.5	26.4	1.5	465.7	17.36	5.29	0.30	291	1.18	0.361
1307004	Soil	27.11	90.47	6.86	90.9	28097	50.3	1.2	34	1.63	26.8	8.9	3.3	0.2	111.8	3.17	3.26	0.21	154	0.11	0.176
1307005	Soil	5.84	93.58	6.99	485.0	34870	67.8	1.3	33	0.72	15.7	11.0	1.0	1.9	330.8	37.48	2.16	0.25	218	0.54	0.256
1307006	Soil	11.37	101.7	9.15	2625	26628	200.8	2.8	56	0.96	23.5	15.1	2.6	<0.1	328.9	111.2	3.35	0.19	342	0.93	0.382
1307007	Soil	15.80	101.9	5.43	814.7	9699	232.2	5.2	47	1.17	26.0	9.6	2.0	0.7	458.5	2.34	3.53	0.11	130	7.09	0.345
1307008	Soil	18.16	135.4	6.28	336.5	21674	103.4	1.1	6	1.14	30.0	18.2	0.7	0.3	197.6	1.59	3.36	0.13	122	0.43	0.131
1307009	Soil	11.46	87.23	6.10	422.1	6386	145.0	4.2	52	1.57	15.4	11.1	2.9	1.3	428.6	2.58	3.12	0.12	116	2.47	0.378
1307010	Soil	17.96	86.19	7.31	749.9	18829	256.3	5.7	70	1.94	39.5	5.7	1.0	1.0	149.3	5.25	5.26	0.16	98	0.66	0.115
1307011	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.
1307012	Soil	15.18	128.2	5.42	1135	23170	155.4	2.6	88	1.13	43.8	18.6	2.4	0.9	599.8	29.61	3.33	0.12	368	5.06	0.608
1307013	Soil	37.95	152.2	11.35	52.9	64019	43.8	0.2	4	2.52	44.4	24.4	5.8	2.9	671.8	1.87	2.56	0.33	350	0.92	0.776
1307014	Soil	11.62	96.90	5.95	495.8	18785	144.7	4.1	106	1.01	17.2	6.3	2.5	0.2	388.2	3.76	2.97	0.10	152	2.30	0.215
1307015	Soil	24.70	99.50	7.88	471.6	16092	233.3	5.6	35	1.12	26.8	10.7	1.8	0.4	78.0	2.38	6.89	0.16	181	0.22	0.104
1307016	Soil	9.72	48.97	5.96	20.3	2123	10.9	0.2	7	1.17	7.4	7.0	1.4	1.1	56.2	0.51	0.91	0.15	48	0.04	0.024
1307017	Soil	13.08	48.94	8.26	9.0	2378	7.3	0.1	3	1.79	5.5	7.0	2.7	1.1	58.9	0.03	1.31	0.16	62	0.01	0.026
1307018	Soil	7.71	77.20	6.90	176.9	2202	64.2	2.5	140	1.85	17.9	6.5	4.2	0.8	133.2	2.17	0.68	0.20	127	0.76	0.062
1307019	Soil	11.14	36.74	7.77	18.0	2210	7.9	0.3	8	2.47	10.1	5.8	3.3	1.0	59.4	0.30	0.90	0.20	62	0.05	0.030
1307020	Soil	21.59	124.0	7.29	1386	24745	141.8	3.9	109	1.46	32.9	15.6	3.0	1.6	315.8	33.84	6.81	0.15	347	1.73	0.399
1307021	Soil	17.29	29.44	7.60	66.5	4780	11.3	0.2	6	1.27	11.5	5.7	1.8	1.3	109.9	8.48	1.07	0.16	59	0.19	0.072
1307022	Soil	19.66	28.51	7.49	41.0	2537	8.9	0.7	20	2.38	18.7	5.5	2.8	0.7	77.7	0.76	1.49	0.13	105	0.13	0.069
1307023	Soil	4.98	23.12	12.08	95.2	6432	28.1	2.1	26	1.52	18.4	4.3	11.2	0.6	65.4	2.15	1.07	0.20	95	0.20	0.042
1307024	Soil	3.55	7.07	6.43	37.3	1477	7.1	2.2	82	1.01	4.7	0.5	1.0	0.1	31.7	0.91	0.52	0.13	49	0.19	0.031
1307025	Soil	5.33	21.84	12.16	91.6	2309	20.5	5.0	127	2.78	13.6	0.9	2.2	2.2	21.9	0.35	1.28	0.23	110	0.05	0.030
1307026	Soil	5.17	64.70	18.56	122.7	2641	29.6	5.1	112	4.69	23.0	0.9	5.1	1.8	70.9	0.35	1.61	0.35	143	0.05	0.060
1307027	Soil	0.05	4.74	0.53	6.6	36	1.0	1.5	28	0.46	0.3	<0.1	0.7	<0.1	15.1	0.01	<0.02	<0.02	16	0.12	0.025
1307028	Soil	16.31	95.08	6.60	1287	9263	164.6	4.3	70	1.06	17.9	11.7	2.8	0.6	366.3	23.93	5.73	0.12	214	2.83	0.300
1307029	Soil	2.89	28.21	7.36	24.4	3221	12.5	0.5	15	1.11	1.7	3.9	3.7	0.2	51.6	0.31	0.67	0.13	26	0.20	0.050
1307030	Soil	9.84	32.19	6.05	48.1	2957	9.8	0.6	17	1.51	12.5	4.0	2.0	0.8	80.3	1.35	0.72	0.13	38	0.20	0.040





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 PHONE (604) 253-3158

Client: **Rackla Metals Inc.**  
 650-200 Burrard St.  
 Vancouver BC V6C 3L6 CANADA

Project: FACE  
 Report Date: August 08, 2013

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# CERTIFICATE OF ANALYSIS

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Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	
Unit	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	
MDL	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	
1307001	Soil																				
1307002	Soil																				
1307003	Soil																				
1307004	Soil																				
1307005	Soil																				
1307006	Soil																				
1307007	Soil																				
1307008	Soil																				
1307009	Soil																				
1307010	Soil																				
1307011	Soil	6.42	185.0	10288	34.2	0.7	16	0.40	<0.1	5.8	3.2	<0.1	137.2	6.82	3.37	0.57	83	0.43	0.125	6.2	120.7
1307012	Soil																				
1307013	Soil																				
1307014	Soil																				
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Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	
Unit	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	
1307001	Soil															
1307002	Soil															
1307003	Soil															
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1307005	Soil															
1307006	Soil															
1307007	Soil															
1307008	Soil															
1307009	Soil															
1307010	Soil															
1307011	Soil	0.03	2242	0.009	<20	0.34	0.008	0.02	<0.1	1.2	0.16	0.15	371	14.2	0.06	1.1
1307012	Soil															
1307013	Soil															
1307014	Soil															
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# CERTIFICATE OF ANALYSIS

WHI13000116.2

Method Analyte	Unit	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
MDL		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1307031	Soil	15.03	67.23	6.39	282.8	8871	77.2	1.4	21	1.08	17.9	8.3	2.1	0.4	121.1	5.14	2.81	0.10	130	0.52	0.104
1307032	Soil	6.32	81.03	4.14	903.5	6520	188.8	3.4	125	0.71	7.5	16.9	2.9	0.2	193.7	17.05	2.39	0.08	98	3.23	0.137
1307033	Soil	30.45	115.6	9.38	698.8	64688	100.7	2.1	65	1.97	35.6	25.4	6.1	0.9	407.3	20.00	3.37	0.26	333	0.78	0.320
1307034	Soil	4.98	25.68	9.22	5.3	2150	10.5	0.2	2	1.25	2.9	2.2	4.2	0.8	17.1	0.10	0.90	0.16	41	0.02	0.007
1307035	Soil	12.79	20.02	19.52	17.8	3803	4.8	0.3	12	5.11	27.2	2.0	6.3	0.5	47.8	0.08	2.03	0.31	78	<0.01	0.027
1307036	Soil	2.29	17.68	8.87	41.9	827	8.0	1.6	44	1.11	3.2	0.6	4.0	<0.1	20.7	0.55	0.45	0.12	33	0.08	0.052
1307037	Soil	11.77	70.77	15.50	54.8	4863	25.0	0.5	12	1.03	4.2	9.8	3.8	0.2	72.2	3.23	7.09	0.73	147	0.27	0.138
1307038	Soil	18.14	38.16	14.81	118.4	639	30.9	2.0	87	3.25	37.8	5.7	2.1	1.1	217.7	1.92	5.99	0.19	114	0.09	0.130
1307039	Soil	32.79	30.13	17.99	66.2	1271	25.0	2.1	49	2.66	26.7	4.4	13.0	1.1	81.7	0.56	5.25	0.29	108	0.30	0.050
1307040	Soil	12.09	9.32	9.68	34.0	386	6.8	1.0	40	0.91	11.8	0.7	0.5	0.2	26.2	0.30	1.25	0.18	75	0.04	0.027
1307041	Soil	16.12	14.98	11.95	16.7	244	7.3	0.6	26	1.41	16.7	1.5	4.0	0.6	32.2	0.17	2.39	0.18	32	0.05	0.014
1307042	Soil	5.33	44.53	11.21	69.5	1884	21.3	2.8	72	1.64	11.6	3.0	3.4	0.2	42.5	0.89	1.47	0.18	71	0.14	0.053
1307043	Soil	6.46	30.57	9.95	29.8	2007	25.5	1.0	28	1.21	5.9	4.0	3.6	0.9	52.5	0.14	0.86	0.14	41	0.09	0.032
1307044	Soil	7.73	27.43	9.62	24.2	4945	12.9	1.2	34	1.05	9.4	3.7	2.5	1.8	39.0	0.47	1.27	0.16	67	0.04	0.023
1307045	Soil	2.92	6.59	8.02	19.9	1670	4.2	0.7	30	0.77	4.9	0.9	1.1	0.5	13.3	0.24	0.35	0.13	48	0.04	0.024
1307046	Soil	3.75	37.26	8.94	22.7	1766	10.1	0.3	6	0.37	8.0	4.7	1.5	1.1	50.6	0.29	0.43	0.18	42	0.04	0.025
1307047	Soil	3.89	12.47	7.63	9.5	1303	4.6	0.3	9	0.55	5.2	2.5	1.8	0.9	14.4	0.16	0.47	0.14	45	<0.01	0.009
1307048	Soil	16.44	31.32	13.82	41.8	1767	14.3	0.5	12	0.87	16.1	4.8	0.9	1.1	67.6	0.48	0.97	0.21	74	0.06	0.046
1307049	Soil	6.72	27.65	8.37	31.0	7182	10.7	0.4	9	0.57	4.2	3.0	2.9	0.1	21.7	1.29	0.77	0.19	31	0.10	0.046
1307050	Soil	5.94	138.6	7.04	820.1	17476	154.9	3.5	45	0.73	13.9	18.3	2.7	0.8	299.8	21.27	3.27	0.16	218	1.40	0.272
1307051	Soil	3.52	84.80	8.26	241.6	7719	81.4	1.9	48	0.64	8.5	8.7	4.1	0.6	138.1	5.57	1.89	0.38	122	1.13	0.126
1307052	Soil	32.14	143.8	8.31	1205	16584	209.1	5.0	70	1.76	43.2	15.9	1.0	1.9	465.9	24.98	6.18	0.13	323	2.64	0.440
1307053	Soil	20.80	81.39	7.20	915.0	11337	125.4	9.9	167	2.09	20.7	8.8	2.0	2.9	249.9	15.46	5.02	0.12	201	0.81	0.306
1307054	Soil	4.35	55.62	8.78	359.5	6564	65.9	4.6	111	1.57	17.6	6.7	3.7	1.2	149.3	5.06	1.84	0.14	129	0.87	0.156
1307055	Soil	27.68	174.5	9.02	398.7	13768	99.1	6.9	131	3.45	35.0	15.5	1.9	1.7	228.4	5.80	4.57	0.11	241	0.49	0.264
1307056	Soil	6.04	74.29	6.72	506.4	8272	83.6	3.5	90	1.13	12.5	11.1	2.1	0.4	156.5	13.73	2.31	0.14	121	0.85	0.179
1307057	Soil	5.58	34.72	13.08	70.9	2488	33.2	3.5	54	2.25	13.7	2.9	7.1	0.6	38.5	1.22	1.26	0.17	70	0.22	0.087
1307058	Soil	5.39	40.25	13.50	115.2	4649	34.7	3.9	70	1.69	12.6	4.1	6.0	0.8	70.2	1.52	1.41	0.17	82	0.23	0.119
1307059	Soil	9.19	54.66	13.28	162.4	3688	42.8	5.8	139	2.52	17.7	5.4	5.1	1.8	86.9	2.10	2.04	0.16	113	0.31	0.129
1307060	Soil	11.68	80.93	13.48	246.0	8300	72.6	1.9	46	3.09	30.5	11.4	13.9	1.2	150.9	3.66	3.49	0.22	253	0.37	0.275

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Project: FACE  
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# CERTIFICATE OF ANALYSIS

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	Method	1F																				
		Analyte																				
		Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	
		ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	
	MDL	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	
1307031	Soil																					
1307032	Soil																					
1307033	Soil																					
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1307059	Soil																					
1307060	Soil																					

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.



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 PHONE (604) 253-3158

Client: **Rackla Metals Inc.**  
 650-200 Burrard St.  
 Vancouver BC V6C 3L6 CANADA

Project: FACE  
 Report Date: August 08, 2013

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# CERTIFICATE OF ANALYSIS

WHI13000116.2

Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	
Unit	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	
1307031	Soil															
1307032	Soil															
1307033	Soil															
1307034	Soil															
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1307060	Soil															

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# CERTIFICATE OF ANALYSIS

WHI13000116.2

Method Analyte	Unit	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
MDL		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1307061	Soil	2.04	18.75	8.46	31.0	1456	14.5	1.6	28	0.70	5.0	1.4	2.7	0.2	26.7	0.60	1.14	0.11	36	0.14	0.067
1307062	Soil	13.15	42.95	11.98	182.9	1781	50.3	5.6	133	2.37	19.9	3.6	3.4	1.5	66.6	1.38	3.58	0.15	168	0.29	0.161
1307063	Soil	17.40	38.28	12.89	136.1	886	38.0	4.8	105	2.34	20.0	3.2	2.8	0.6	59.4	1.21	4.70	0.16	172	0.15	0.091
1307064	Soil	17.47	57.31	17.29	132.4	3402	49.1	5.3	83	2.51	18.4	6.3	5.7	<0.1	69.5	2.27	4.20	0.21	162	0.21	0.127
1307065	Soil	17.74	17.88	15.69	111.4	341	19.3	3.6	115	3.02	23.2	1.3	2.4	2.6	47.1	0.52	3.18	0.24	186	0.08	0.040
1307066	Soil	19.35	29.44	12.77	144.5	2273	35.9	5.2	144	2.31	17.4	2.7	4.2	0.7	55.6	1.22	5.38	0.14	173	0.19	0.115
1307067	Soil	16.00	38.96	15.04	86.1	1189	29.7	3.3	38	2.07	13.9	3.0	4.1	0.8	68.3	0.94	4.15	0.15	83	0.11	0.098
1307068	Soil	13.80	33.05	13.79	52.9	1720	24.0	1.7	30	1.38	14.9	3.5	5.6	0.8	67.6	1.58	5.84	0.18	121	0.16	0.150
1307069	Soil	2.82	15.54	8.54	27.2	1742	13.9	1.3	23	0.89	5.3	1.3	4.1	0.2	25.6	0.55	2.03	0.12	28	0.12	0.082
1307070	Soil	3.87	32.43	10.82	32.0	3315	20.0	1.5	23	0.91	4.1	3.8	7.2	0.1	51.3	1.29	3.62	0.16	80	0.14	0.131
1307071	Soil	4.74	36.02	15.22	32.7	2632	17.6	1.2	25	1.56	8.2	2.6	21.5	0.6	55.1	0.63	1.50	0.21	48	0.17	0.086
1307072	Soil	6.48	33.64	13.92	127.5	2766	58.9	7.2	428	1.64	9.3	3.2	11.9	1.3	66.7	1.33	1.73	0.18	90	0.34	0.075
1307073	Soil	6.63	31.58	10.29	73.8	2073	22.8	3.3	66	1.77	10.7	2.6	5.2	0.5	40.9	0.71	1.42	0.46	67	0.13	0.067
1307074	Soil	6.16	34.16	12.62	77.5	2103	25.8	3.2	52	1.89	12.6	2.9	4.9	1.0	33.3	0.81	1.33	0.31	83	0.10	0.057
1307075	Soil	8.00	37.60	14.38	77.4	2412	35.0	4.0	45	2.47	17.9	3.0	6.5	1.2	37.2	1.22	1.79	0.25	94	0.12	0.074
1307076	Soil	2.29	18.10	12.03	66.0	718	29.7	5.1	74	1.80	7.5	0.8	2.4	1.4	20.8	0.44	0.60	0.22	48	0.16	0.053
1307077	Soil	1.46	27.23	17.81	44.9	627	23.8	3.4	44	1.70	6.5	1.0	3.1	1.1	17.7	0.46	0.45	0.16	35	0.14	0.055
1307078	Soil	2.87	29.63	13.44	56.0	810	25.6	5.3	130	2.23	8.6	1.1	3.1	1.2	19.6	0.49	0.56	0.17	50	0.16	0.052
1307079	Soil	2.48	27.42	15.37	50.8	1091	29.8	4.0	48	1.87	7.4	1.1	2.0	1.0	22.0	0.75	0.61	0.16	44	0.16	0.064
1307080	Soil	3.33	24.96	13.51	60.7	1065	26.9	4.0	65	2.09	10.1	1.2	2.1	0.9	25.4	0.52	0.72	0.16	56	0.14	0.059
1307081	Soil	3.30	31.05	10.26	54.8	1640	25.6	3.6	59	1.84	8.8	1.8	3.5	0.4	26.3	0.84	0.78	0.15	54	0.15	0.074
1307082	Soil	3.23	44.95	9.60	95.6	2143	26.8	2.9	47	1.52	9.2	3.5	2.9	0.6	30.3	2.04	0.99	0.13	67	0.15	0.063
1307083	Soil	16.57	112.5	8.03	140.2	9691	50.1	1.0	11	1.07	17.0	15.5	2.6	0.1	83.9	11.50	5.07	0.19	228	0.25	0.140
1307084	Soil	0.04	4.75	0.24	6.7	28	1.2	1.5	28	0.44	0.3	<0.1	<0.2	<0.1	14.3	0.02	<0.02	<0.02	16	0.13	0.025
1307085	Soil	1.36	26.93	6.51	111.5	1079	34.5	3.9	157	1.02	5.3	3.4	2.6	0.3	247.4	1.11	0.95	0.17	45	3.18	0.109
1307086	Soil	1.53	15.55	3.88	58.3	273	13.2	2.2	140	0.50	2.2	1.1	<0.2	<0.1	289.7	0.49	0.50	0.14	19	4.32	0.083
1307087	Soil	1.13	26.83	5.95	104.9	1107	34.2	3.5	154	0.91	3.5	2.8	2.9	0.3	266.1	1.20	0.73	0.10	36	3.53	0.111
1307088	Soil	8.57	78.34	6.70	362.3	8444	60.2	4.3	178	1.04	6.9	7.8	3.1	0.6	231.5	7.95	1.74	0.12	101	2.03	0.145
1307089	Soil	6.67	116.4	6.99	17.0	17807	20.4	0.2	2	0.51	6.0	10.5	3.6	0.3	84.1	0.48	2.08	0.15	55	0.05	0.066
1306201	Soil	5.40	74.19	6.74	326.6	11395	95.7	4.1	56	0.98	12.7	9.2	3.7	0.2	135.3	8.32	1.86	0.11	73	0.90	0.112

# CERTIFICATE OF ANALYSIS

WHI13000116.2

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	G6Gr	1F	1F
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Ag	Mo	Cu
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	gm/t	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	50	0.01	0.01
1307061	Soil	6.0	26.3	0.06	485.2	0.005	4	0.61	0.007	0.05	<0.1	0.9	0.63	0.07	110	2.6	0.04	3.0			
1307062	Soil	11.2	47.8	0.28	1253	0.016	3	1.40	0.009	0.08	0.2	3.2	0.45	0.09	74	4.7	0.07	4.5			
1307063	Soil	8.9	47.9	0.22	798.7	0.012	3	1.16	0.008	0.07	0.2	1.8	0.51	0.08	49	4.2	0.09	4.4			
1307064	Soil	8.8	50.1	0.19	1424	0.005	4	1.64	0.011	0.07	0.1	1.1	0.71	0.13	185	8.1	0.08	5.1			
1307065	Soil	9.5	30.3	0.15	306.5	0.018	1	1.42	0.012	0.08	0.1	2.2	0.91	0.12	20	3.0	0.08	7.3			
1307066	Soil	11.1	45.0	0.26	539.8	0.018	3	1.13	0.008	0.08	0.2	2.0	0.79	0.07	93	3.3	0.05	4.4			
1307067	Soil	5.6	22.5	0.09	1021	0.005	2	0.73	0.010	0.09	<0.1	2.3	0.88	0.15	88	6.3	0.10	2.5			
1307068	Soil	7.3	27.1	0.10	1107	0.007	2	0.80	0.005	0.07	<0.1	2.5	1.16	0.08	230	12.8	0.10	2.9			
1307069	Soil	5.5	23.6	0.06	487.7	0.005	3	0.53	0.007	0.04	<0.1	0.8	0.75	0.08	155	3.4	0.04	3.0			
1307070	Soil	5.1	38.0	0.05	1137	0.003	4	0.71	0.009	0.06	<0.1	0.9	0.60	0.10	362	5.2	0.04	3.6			
1307071	Soil	5.9	32.8	0.08	1040	0.004	4	0.90	0.009	0.06	<0.1	3.0	0.68	0.12	499	5.1	0.14	3.4			
1307072	Soil	8.9	43.6	0.21	890.5	0.014	4	1.03	0.009	0.08	0.1	3.3	0.43	0.08	254	4.7	0.14	3.8			
1307073	Soil	7.9	35.9	0.18	711.4	0.009	3	0.94	0.007	0.06	0.1	2.0	0.41	0.04	129	2.6	0.11	3.5			
1307074	Soil	8.5	41.5	0.20	679.4	0.007	3	1.26	0.006	0.05	0.1	2.7	0.52	0.05	149	2.6	0.11	4.1			
1307075	Soil	8.5	41.9	0.17	704.8	0.007	2	1.21	0.006	0.06	0.1	3.3	0.63	0.06	187	3.8	0.12	4.1			
1307076	Soil	7.2	29.1	0.26	495.4	0.007	3	1.27	0.007	0.07	<0.1	2.8	0.33	0.06	90	1.2	0.05	4.3			
1307077	Soil	7.4	24.2	0.17	403.7	0.006	2	1.13	0.008	0.07	<0.1	2.5	0.29	0.05	125	1.1	0.03	3.9			
1307078	Soil	7.4	29.2	0.19	457.5	0.007	3	1.24	0.007	0.08	0.1	2.6	0.32	0.06	122	2.0	0.02	4.0			
1307079	Soil	7.4	24.9	0.17	551.0	0.007	3	1.07	0.008	0.06	0.1	2.6	0.30	0.07	140	2.1	0.06	3.2			
1307080	Soil	8.4	30.8	0.21	646.8	0.008	4	1.20	0.006	0.07	0.1	2.4	0.30	0.05	131	2.5	0.03	4.0			
1307081	Soil	8.3	31.9	0.17	714.6	0.007	2	1.20	0.007	0.06	0.1	1.8	0.37	0.06	181	3.0	<0.02	4.1			
1307082	Soil	8.4	31.3	0.17	785.6	0.008	2	1.10	0.006	0.05	0.1	2.5	0.53	0.06	150	3.6	0.02	3.5			
1307083	Soil	8.5	177.2	0.03	1863	0.007	6	0.44	0.004	0.03	0.3	1.9	2.40	0.15	271	12.3	0.10	4.2			
1307084	Soil	1.2	1.7	0.03	21.0	0.028	<1	0.15	0.098	0.04	<0.1	0.2	<0.02	<0.02	<5	<0.1	<0.02	0.9			
1307085	Soil	4.3	34.1	0.25	1682	0.007	7	0.50	0.008	0.03	<0.1	1.8	0.12	0.18	95	3.3	0.04	1.2			
1307086	Soil	2.4	13.7	0.10	5515	0.011	9	0.41	0.013	0.02	<0.1	0.7	0.09	0.22	46	1.4	<0.02	1.0			
1307087	Soil	4.2	28.6	0.15	2511	0.008	8	0.49	0.010	0.04	<0.1	1.7	0.14	0.15	91	2.6	0.02	1.3			
1307088	Soil	6.9	95.2	0.11	1114	0.008	12	0.49	0.010	0.08	0.2	3.4	0.41	0.22	361	24.6	0.09	2.5			
1307089	Soil	2.9	133.9	0.01	1523	0.002	12	0.40	0.006	0.05	0.2	2.8	0.22	0.16	580	20.5	0.05	3.6			
1306201	Soil	4.8	129.3	0.10	3385	0.009	8	0.66	0.008	0.03	0.2	2.9	0.27	0.09	301	7.8	0.05	2.6			



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 Vancouver BC V6C 3L6 CANADA

Project: FACE  
 Report Date: August 08, 2013

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# CERTIFICATE OF ANALYSIS

WHI13000116.2

Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	
Unit	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	
MDL	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	
1307061	Soil																				
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# CERTIFICATE OF ANALYSIS

WHI13000116.2

Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	
Unit	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	
1307061	Soil															
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# CERTIFICATE OF ANALYSIS

WHI13000116.2

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.2	0.1	0.5	0.01	0.02	0.02	0.02	2	0.01	0.001
1306202	Soil	12.61	23.23	18.08	109.3	4680	23.5	2.0	58	1.81	32.5	2.1	11.2	0.2	61.5	0.58	1.68	0.27	152	0.09	0.055
1306203	Soil	3.42	7.61	6.84	19.5	862	4.1	0.5	15	0.37	5.6	0.9	1.0	0.3	20.1	0.29	0.28	0.10	47	0.03	0.015
1306204	Soil	8.16	22.35	11.70	133.3	2712	26.9	4.7	115	2.03	17.0	1.4	2.7	2.0	40.4	0.87	1.33	0.17	112	0.10	0.044
1306205	Soil	10.85	17.52	10.92	65.3	1993	16.1	2.1	60	2.39	18.1	1.3	2.2	1.6	35.2	0.27	1.36	0.16	115	0.05	0.033
1306206	Soil	52.93	100.9	12.65	41.1	33295	17.3	0.3	8	2.25	40.8	18.4	5.6	0.3	196.6	1.32	2.32	0.24	111	0.04	0.184
1306207	Soil	7.77	77.04	9.87	949.0	13214	102.3	3.6	60	1.28	15.0	14.7	5.2	1.0	216.9	22.02	6.46	0.15	482	1.22	0.169
1306208	Soil	28.54	141.5	6.72	932.9	38525	122.4	<0.1	5	1.18	56.8	21.2	3.7	1.9	406.0	7.89	1.66	0.17	70	0.49	0.208
1306209	Soil	194.4	370.0	9.61	4813	26188	515.6	3.0	20	1.41	156.4	59.7	1.4	2.2	531.0	388.1	74.86	0.13	1995	2.99	1.213
1306210	Soil	16.17	131.1	12.70	66.2	47838	52.5	0.5	2	0.22	9.8	25.4	2.4	0.5	151.9	6.18	6.68	0.21	247	0.16	0.077
1306211	Soil	67.45	337.6	12.41	89.6	>100000	31.3	0.4	6	1.26	86.5	62.6	3.4	3.0	876.1	7.84	7.73	0.24	974	0.15	1.131
1306212	Soil	47.81	136.0	7.57	1073	21389	207.8	3.9	58	1.28	41.4	12.5	1.3	0.9	386.8	30.95	10.61	0.12	428	3.17	0.284
1306213	Soil	27.94	106.8	6.82	751.4	15492	149.3	3.6	69	1.02	27.5	12.4	2.0	0.5	230.9	23.38	7.30	0.30	333	1.25	0.215
1306214	Soil	10.54	168.6	7.86	195.7	7187	92.2	2.0	11	0.95	17.4	15.5	1.4	0.3	68.7	2.00	2.04	0.16	89	0.08	0.052
1306215	Soil	5.69	44.24	4.23	225.1	4218	85.6	2.5	188	0.60	6.2	18.3	2.3	0.2	188.3	2.38	1.57	0.15	82	4.45	0.076
1306216	Soil	22.65	43.88	9.70	9.7	2516	7.3	0.1	3	3.31	19.3	8.8	3.3	1.9	65.3	0.09	2.02	0.15	68	0.01	0.037
1306217	Soil	11.27	66.69	7.61	55.9	2364	22.3	0.8	33	1.77	8.7	6.1	2.9	1.5	79.0	0.73	0.67	0.13	63	0.09	0.050
1306218	Soil	10.54	71.53	8.87	72.0	17081	35.6	1.6	28	1.04	22.9	9.1	1.8	0.3	253.1	2.46	1.84	0.18	113	0.27	0.241
1306219	Soil	12.10	98.13	6.64	243.1	37063	67.3	0.3	10	0.56	28.7	23.4	4.1	2.1	629.1	5.04	3.30	0.19	285	1.38	0.488
1306220	Soil	11.21	56.12	6.95	134.1	9215	42.0	0.4	7	0.81	40.0	14.3	3.3	1.0	266.6	3.61	3.13	0.30	192	0.52	0.198
1306221	Soil	28.00	126.7	5.64	355.4	10315	98.7	2.8	37	5.75	41.9	22.1	3.6	1.1	186.3	10.31	3.09	0.16	462	0.46	0.350
1306222	Soil	15.93	25.48	9.55	84.0	2628	18.4	1.1	27	2.40	30.2	4.4	1.7	0.3	43.1	0.45	1.27	0.21	113	0.10	0.065
1306223	Soil	35.06	157.4	8.62	146.6	9568	51.0	2.3	60	15.07	3.1	22.2	7.9	1.6	17.7	0.35	3.00	0.15	80	0.07	0.092
1306224	Soil	7.78	18.47	11.57	169.1	1739	34.8	5.4	158	2.72	17.6	1.0	1.7	2.2	34.6	0.95	1.40	0.21	132	0.10	0.039
1306225	Soil	7.75	22.51	11.21	130.2	1559	31.9	5.4	111	2.70	17.9	1.1	4.3	1.9	33.0	0.42	1.53	0.21	124	0.08	0.038
1306226	Soil	8.77	31.15	12.87	162.0	2891	48.6	8.2	139	3.56	29.4	1.8	3.0	2.1	71.1	0.76	2.07	0.23	165	0.21	0.335
1306227	Soil	8.66	12.34	14.71	43.7	836	7.0	1.2	29	0.78	3.2	0.8	0.9	0.2	42.1	0.27	1.79	0.17	96	0.05	0.056
1306228	Soil	19.02	86.07	7.79	450.0	5850	139.0	4.5	40	1.40	15.0	9.5	1.1	1.4	648.1	3.75	3.99	0.13	109	5.18	0.379
1306229	Soil	0.06	4.31	0.23	6.2	38	1.1	1.5	22	0.38	0.4	<0.1	0.3	<0.1	14.6	<0.01	<0.02	<0.02	14	0.12	0.025
1306230	Soil	11.52	116.0	6.81	776.9	12973	132.1	3.6	56	1.07	16.3	10.0	2.8	1.2	319.7	15.91	4.50	0.16	215	1.75	0.270
1306231	Soil	18.32	20.87	8.02	55.5	1621	19.6	2.0	50	4.42	9.3	1.3	1.5	1.1	19.3	0.17	1.78	0.19	108	0.05	0.030



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Project: FACE  
 Report Date: August 08, 2013

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# CERTIFICATE OF ANALYSIS

WHI13000116.2

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	G6Gr	1F	1F
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Ag	Mo	Cu
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	gm/t	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.02	0.02	5	0.1	0.02	0.1	50	0.01	0.01	
1306202	Soil	6.5	68.3	0.12	1120	0.007	5	0.78	0.007	0.14	0.2	1.8	0.29	0.20	357	6.7	0.27	4.9			
1306203	Soil	4.9	22.5	0.03	706.9	0.006	4	0.43	0.004	0.06	<0.1	0.7	0.16	0.04	13	1.2	0.05	2.8			
1306204	Soil	8.2	61.1	0.20	1179	0.018	4	1.37	0.008	0.10	0.1	2.3	0.34	0.11	36	4.8	0.07	5.2			
1306205	Soil	9.1	54.0	0.11	467.2	0.021	2	1.07	0.012	0.08	0.1	1.6	0.30	0.14	48	6.0	0.04	5.8			
1306206	Soil	6.9	181.3	0.03	356.4	0.004	7	0.61	0.025	0.22	0.6	2.3	0.78	0.58	538	48.2	0.13	4.2			
1306207	Soil	10.1	144.5	0.26	2520	0.012	6	0.99	0.008	0.04	0.4	4.0	0.77	0.14	374	30.2	0.10	4.1			
1306208	Soil	15.0	305.0	0.02	2552	0.014	9	0.23	0.008	0.07	0.5	6.6	0.89	0.12	766	70.8	0.17	3.1			
1306209	Soil	20.1	542.1	0.05	2471	0.010	96	1.04	0.013	0.17	1.2	8.3	7.88	0.13	1985	12.9	0.07	5.4			
1306210	Soil	6.1	267.8	0.02	1968	0.002	17	0.47	0.003	0.06	0.4	3.3	0.98	0.13	1185	15.0	0.10	2.7			
1306211	Soil	45.0	1511	0.03	>10000	0.069	30	1.38	0.006	0.09	1.8	11.2	1.78	0.10	2252	81.7	0.34	8.5	84		
1306212	Soil	5.6	271.4	0.11	2177	0.004	32	0.45	0.008	0.07	0.6	5.4	2.53	0.14	463	24.9	0.19	4.0			
1306213	Soil	4.1	192.7	0.07	2360	0.004	25	0.46	0.006	0.06	0.5	3.9	1.19	0.13	389	17.8	0.14	3.6			
1306214	Soil	1.1	127.9	0.01	1011	<0.001	12	0.42	0.004	0.04	0.3	3.2	0.12	0.16	194	13.6	0.13	1.8			
1306215	Soil	4.0	95.6	0.33	1303	0.007	11	0.41	0.011	0.02	0.1	1.5	0.11	0.15	136	8.9	0.03	1.4			
1306216	Soil	6.8	88.2	0.03	77.1	0.003	29	0.49	0.040	0.31	0.2	1.4	0.26	1.25	572	12.4	0.10	3.3			
1306217	Soil	4.8	48.0	0.04	282.7	0.004	21	0.59	0.019	0.14	0.1	5.6	0.25	0.38	252	9.5	<0.02	2.2			
1306218	Soil	18.0	305.8	0.09	3298	0.013	11	0.75	0.007	0.06	0.3	2.4	0.17	0.14	413	13.9	0.10	4.2			
1306219	Soil	19.4	682.1	0.35	162.6	0.053	10	1.33	0.013	0.23	0.8	4.1	0.54	0.59	692	20.3	0.14	6.6			
1306220	Soil	11.0	216.5	0.07	382.3	0.013	9	0.69	0.020	0.17	0.4	3.3	0.20	0.43	424	14.4	0.12	4.4			
1306221	Soil	6.7	782.9	0.08	217.6	0.010	9	0.81	0.007	0.19	0.4	4.8	0.53	0.48	329	25.3	0.12	16.5			
1306222	Soil	4.9	81.7	0.07	353.3	0.007	6	0.69	0.014	0.16	0.2	1.5	0.35	0.54	130	11.0	0.12	4.9			
1306223	Soil	7.0	59.3	0.09	237.4	0.015	4	2.59	0.010	0.07	0.1	32.2	0.37	0.09	175	38.0	0.12	3.3			
1306224	Soil	8.4	59.9	0.23	1681	0.020	3	1.63	0.005	0.07	0.2	2.4	0.31	0.08	29	3.0	0.12	5.6			
1306225	Soil	7.4	58.4	0.25	1033	0.021	3	1.58	0.008	0.09	0.1	2.5	0.30	0.11	37	3.2	0.14	5.6			
1306226	Soil	9.6	86.2	0.34	1545	0.021	4	2.10	0.008	0.11	0.3	3.8	0.45	0.16	66	5.1	0.07	6.2			
1306227	Soil	7.4	20.6	0.04	760.8	0.012	2	0.60	0.007	0.07	<0.1	0.6	0.50	0.10	16	3.7	0.05	4.5			
1306228	Soil	4.5	92.2	0.21	913.3	0.003	32	0.49	0.011	0.12	0.3	5.2	0.50	0.22	266	16.0	0.16	2.4			
1306229	Soil	1.0	1.3	0.03	18.0	0.023	2	0.14	0.099	0.04	<0.1	0.3	<0.02	<0.02	<5	<0.1	0.03	0.7			
1306230	Soil	7.3	179.7	0.19	2213	0.007	19	0.52	0.009	0.07	0.3	5.8	0.89	0.14	385	20.6	0.15	3.0			
1306231	Soil	3.7	37.2	0.07	411.2	0.013	5	0.88	0.016	0.18	0.2	1.3	0.31	0.49	111	9.9	0.13	4.2			

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Project: FACE  
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# CERTIFICATE OF ANALYSIS

WHI13000116.2

Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	
Unit	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	
MDL	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	
1306202	Soil																				
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Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	
Unit	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	
1306202	Soil															
1306203	Soil															
1306204	Soil															
1306205	Soil															
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1306230	Soil															
1306231	Soil															

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# CERTIFICATE OF ANALYSIS

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Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
1306232	Soil	14.07	32.52	7.40	22.7	4121	8.3	0.7	15	1.73	14.5	4.4	5.4	0.5	40.9	0.29	1.34	0.18	60	0.06	0.046
1306233	Soil	17.39	136.2	8.27	862.8	8560	223.3	5.1	27	1.77	34.4	11.4	4.0	0.4	153.8	5.92	3.97	0.16	137	0.37	0.124
1306234	Soil	4.02	50.12	5.45	255.7	4482	83.5	3.1	94	0.91	14.4	5.1	1.4	0.3	138.7	4.12	1.72	0.10	167	1.40	0.091
1306235	Soil	4.62	42.92	8.55	131.3	6179	26.1	2.2	40	1.02	12.7	5.0	4.4	0.7	89.4	3.29	1.13	0.16	90	0.27	0.097
1306236	Soil	9.31	26.95	16.67	39.6	2157	14.6	2.6	97	2.06	17.5	1.1	0.9	0.4	22.8	0.39	1.33	0.27	98	0.09	0.041
1306237	Soil	7.22	24.83	12.64	38.9	2682	11.4	1.6	49	1.50	12.4	1.4	0.9	0.1	19.1	0.45	0.98	0.26	85	0.13	0.066
1306238	Soil	11.23	50.93	15.29	20.0	4709	9.3	0.7	19	3.64	18.0	2.5	12.2	0.3	29.2	0.16	1.14	0.27	85	0.05	0.051
1306239	Soil	28.79	23.67	19.75	167.5	902	39.1	4.5	157	3.20	25.5	1.6	0.9	0.2	103.4	1.02	5.30	0.23	200	0.08	0.076
1306240	Soil	14.89	11.45	12.67	45.3	449	11.6	2.1	43	1.44	14.3	0.9	0.6	0.4	21.1	0.31	1.18	0.20	106	0.04	0.038
1306241	Soil	2.28	12.91	6.31	23.8	918	6.6	1.3	38	0.77	2.2	0.4	0.3	<0.1	12.1	0.33	0.27	0.09	29	0.09	0.048
1306242	Soil	5.39	16.59	9.81	68.1	1354	20.7	5.6	134	3.16	12.8	0.7	0.7	2.6	12.7	0.23	1.03	0.20	110	0.07	0.026
1306243	Soil	7.42	17.14	10.40	95.4	1711	21.4	4.3	98	2.39	16.2	1.2	0.5	2.3	26.8	0.49	1.12	0.18	115	0.06	0.029
1306244	Soil	9.32	21.91	11.77	70.2	2614	19.0	2.6	44	1.90	20.9	2.1	5.2	1.4	39.5	0.42	1.18	0.21	99	0.04	0.033
1306245	Soil	10.64	33.56	16.13	63.5	3097	18.9	2.4	67	4.00	22.6	2.5	5.7	1.4	39.5	0.22	2.00	0.22	91	0.07	0.051
1306246	Soil	5.18	17.46	14.42	35.2	1193	13.6	2.6	60	1.59	8.0	0.8	1.2	0.2	17.4	0.18	0.75	0.18	67	0.06	0.032
1306247	Soil	9.68	18.71	25.11	44.8	1331	17.3	3.3	78	1.82	12.9	1.3	2.7	1.8	16.0	0.32	1.17	0.30	115	0.08	0.028
1306248	Soil	4.48	19.53	4.93	11.9	1272	6.1	0.2	5	1.16	7.0	1.6	2.5	0.5	14.0	0.10	0.51	0.10	38	0.02	0.012
1306249	Soil	8.12	23.72	15.39	40.0	1301	13.8	2.4	68	1.97	13.3	1.2	2.5	1.4	16.2	0.41	1.12	0.27	108	0.06	0.028
1306250	Soil	41.61	15.06	15.07	27.6	1132	9.5	1.5	39	2.64	50.4	0.7	1.8	1.1	13.6	0.20	2.27	0.20	178	0.04	0.044
1306251	Soil	19.81	111.7	9.93	657.6	10442	119.9	4.6	111	1.93	34.0	13.5	2.9	0.8	323.2	13.67	4.46	0.12	223	1.82	0.342
1306252	Soil	1.68	32.39	5.21	154.4	2196	50.7	3.1	118	0.74	4.2	5.1	3.0	0.3	280.4	2.38	1.25	0.07	46	3.06	0.137
1307101	Soil	4.44	29.61	12.08	101.1	682	42.8	9.3	219	2.60	11.7	2.0	2.5	1.9	91.4	0.54	1.13	0.16	91	0.72	0.050
1307102	Soil	3.69	16.18	11.15	127.7	374	37.3	6.0	108	2.50	11.7	0.4	0.5	1.3	102.8	0.26	1.14	0.14	89	0.49	0.037
1307103	Soil	1.46	28.92	6.00	79.6	691	33.6	4.3	206	0.93	4.4	3.8	1.2	0.2	285.6	0.80	0.73	0.07	27	4.28	0.087
1307104	Soil	26.79	49.63	7.64	622.8	4437	106.0	5.7	70	1.61	17.6	5.0	4.4	1.0	407.6	9.84	6.05	0.14	111	3.67	0.266
1307105	Soil	2.05	29.55	4.66	135.4	2479	55.0	2.5	62	0.78	4.1	7.7	4.2	0.3	297.6	1.89	1.13	0.08	43	3.27	0.122
1307106	Soil	0.92	25.52	4.50	143.2	3553	34.4	2.8	53	0.76	2.9	3.2	3.5	0.4	192.3	1.76	0.88	0.08	45	2.40	0.095
1307107	Soil	12.30	51.86	5.86	809.9	8135	102.3	4.8	115	1.34	13.9	6.8	4.2	1.4	233.4	13.33	2.62	0.13	150	1.61	0.185
1307108	Soil	8.70	59.55	4.85	441.9	4696	83.6	4.3	121	1.50	12.4	6.0	2.4	1.1	232.3	5.70	1.73	0.10	115	1.55	0.195
1307109	Soil	17.96	40.08	6.38	19.8	3114	10.2	0.3	7	2.33	11.5	6.0	4.6	0.6	59.9	0.11	1.32	0.15	70	0.03	0.040



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Project: FACE  
 Report Date: August 08, 2013

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Ag	Mo	Cu
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	gm/t	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.02	0.02	5	0.1	0.02	0.1	50	0.01	0.01	
1306232	Soil	6.8	50.7	0.06	1153	0.007	16	0.58	0.005	0.09	0.1	1.4	0.25	0.18	710	9.4	0.06	2.8			
1306233	Soil	2.2	155.0	0.02	1443	0.003	18	0.38	0.006	0.06	0.3	4.8	0.21	0.16	485	27.1	0.07	2.9			
1306234	Soil	3.8	127.3	0.17	3468	0.006	10	0.50	0.006	0.03	0.3	2.3	0.08	0.11	152	5.8	0.07	2.6			
1306235	Soil	9.4	83.6	0.15	2919	0.011	8	0.75	0.003	0.05	0.2	2.2	0.31	0.11	301	7.0	0.06	3.4			
1306236	Soil	7.3	26.5	0.06	786.1	0.016	4	0.95	0.011	0.10	0.1	1.2	0.17	0.15	103	4.8	0.17	5.1			
1306237	Soil	6.1	27.6	0.05	401.5	0.009	5	0.59	0.008	0.07	0.1	0.8	0.16	0.08	122	3.7	0.16	3.8			
1306238	Soil	4.4	43.4	0.04	344.8	0.006	5	0.74	0.014	0.16	0.1	2.2	0.26	0.55	757	9.4	0.27	3.3			
1306239	Soil	4.1	21.6	0.06	268.7	0.008	4	0.83	0.029	0.16	0.1	1.6	2.33	0.44	36	3.8	0.14	3.6			
1306240	Soil	7.5	17.9	0.05	606.7	0.012	2	0.64	0.012	0.10	<0.1	1.1	1.10	0.19	57	1.4	0.08	5.0			
1306241	Soil	3.6	14.3	0.03	243.9	0.007	<1	0.38	0.016	0.04	<0.1	0.3	0.08	0.05	40	0.8	0.05	2.4			
1306242	Soil	9.6	44.9	0.23	256.0	0.024	2	1.79	0.003	0.08	0.1	2.5	0.21	0.05	46	1.4	0.09	5.7			
1306243	Soil	8.8	55.1	0.18	917.7	0.019	2	1.37	0.006	0.08	0.2	2.1	0.25	0.09	25	3.1	0.12	5.5			
1306244	Soil	6.0	57.8	0.11	945.7	0.011	6	0.93	0.012	0.12	0.1	1.8	0.28	0.25	108	7.4	0.17	4.8			
1306245	Soil	6.5	48.2	0.15	109.5	0.017	6	0.77	0.029	0.29	0.2	2.5	0.48	0.98	203	12.4	0.21	3.4			
1306246	Soil	6.0	25.7	0.07	474.1	0.020	3	0.77	0.016	0.06	0.1	1.0	0.16	0.06	56	1.8	0.06	4.3			
1306247	Soil	11.8	38.4	0.08	458.6	0.025	3	1.03	0.007	0.07	<0.1	1.9	0.23	0.08	119	2.3	0.16	6.3			
1306248	Soil	2.9	21.1	0.02	414.3	0.002	14	0.27	0.007	0.10	<0.1	0.7	0.13	0.22	58	3.0	0.05	1.4			
1306249	Soil	15.9	32.4	0.08	699.2	0.035	2	0.97	0.003	0.04	<0.1	1.8	0.21	0.03	72	1.5	0.11	7.5			
1306250	Soil	8.4	30.1	0.05	252.2	0.030	2	0.67	0.006	0.07	0.2	1.0	0.19	0.10	58	4.6	0.15	5.9			
1306251	Soil	7.3	180.3	0.24	1036	0.008	19	0.66	0.009	0.07	0.4	5.3	0.89	0.22	320	18.0	0.11	3.1			
1306252	Soil	2.9	39.5	0.09	1702	0.005	11	0.43	0.008	0.03	<0.1	2.0	0.19	0.18	128	7.4	0.07	1.3			
1307101	Soil	9.4	46.6	0.33	1529	0.017	5	1.81	0.008	0.06	0.1	4.0	0.23	0.06	53	1.6	0.07	4.9			
1307102	Soil	4.8	47.8	0.18	2783	0.008	6	1.66	0.003	0.05	<0.1	2.4	0.26	0.08	21	1.1	0.06	4.9			
1307103	Soil	4.1	24.4	0.10	1886	0.008	8	0.57	0.011	0.02	<0.1	1.4	0.10	0.19	97	2.6	0.02	1.2			
1307104	Soil	2.8	50.0	0.16	1518	0.002	22	0.50	0.008	0.10	0.3	3.9	1.88	0.10	162	14.4	0.08	1.9			
1307105	Soil	2.3	34.5	0.08	1294	0.003	13	0.33	0.007	0.03	<0.1	2.6	0.20	0.22	137	5.8	0.06	0.9			
1307106	Soil	3.0	39.6	0.08	1648	0.005	7	0.43	0.007	0.03	<0.1	3.0	0.17	0.18	133	3.8	0.04	1.4			
1307107	Soil	7.4	80.7	0.28	1792	0.015	11	0.64	0.013	0.07	0.3	3.8	0.78	0.17	362	13.4	0.06	2.5			
1307108	Soil	5.6	86.8	0.30	867.1	0.006	16	0.60	0.011	0.09	0.2	3.3	0.46	0.22	186	11.6	0.05	2.4			
1307109	Soil	3.4	46.9	0.03	184.4	0.002	14	0.38	0.013	0.20	0.2	1.9	0.36	0.60	333	14.7	0.07	2.1			

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Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	
Unit	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	
MDL	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	
1306232	Soil																				
1306233	Soil																				
1306234	Soil																				
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Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
Analyte	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
MDL	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1306232	Soil														
1306233	Soil														
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WHI13000116.2

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1307110	Soil	21.47	39.27	6.43	11.4	2941	9.7	0.2	4	2.05	8.6	6.8	5.6	0.9	56.0	0.04	2.00	0.16	68	<0.01	0.027
1307111	Soil	5.58	7.32	5.78	15.2	1025	4.3	0.5	11	0.56	5.0	0.8	4.4	0.3	21.0	0.05	0.63	0.13	40	0.02	0.016
1307112	Soil	12.20	16.20	7.18	13.5	2718	4.5	0.5	16	1.40	7.0	3.3	6.3	0.6	52.8	0.08	1.03	0.16	58	0.02	0.026
1307113	Soil	10.09	34.54	5.94	16.9	2625	10.5	0.3	7	1.33	5.8	4.7	6.2	0.8	50.2	0.11	1.35	0.16	52	0.02	0.021
1307114	Soil	14.68	29.11	8.31	36.0	2913	12.5	1.4	37	2.06	13.4	2.7	6.0	0.1	37.9	0.29	1.39	0.17	86	0.06	0.045
1298151	Soil	28.18	149.2	4.77	6073	17686	1130	6.9	64	1.76	16.6	14.2	4.9	0.4	267.5	41.29	7.52	0.11	313	1.78	0.269
1298152	Soil	12.59	54.73	6.27	35.1	34656	33.0	0.6	11	0.96	11.4	8.9	5.9	0.2	154.6	2.53	2.00	0.17	124	0.11	0.125
1298153	Soil	11.96	92.97	5.07	608.6	13086	159.6	3.6	25	1.19	25.3	5.8	4.3	<0.1	95.9	1.00	3.13	0.13	117	0.75	0.075
1298154	Soil	3.34	56.69	4.71	186.1	11943	116.5	2.1	24	0.86	9.7	3.7	4.3	0.1	111.3	1.73	1.35	0.10	67	0.71	0.052
1298155	Soil	10.31	74.62	6.87	845.5	11695	128.3	2.2	14	0.93	15.4	6.2	2.5	<0.1	164.8	13.23	3.34	0.14	141	0.69	0.168
1298156	Soil	34.98	146.9	10.70	647.7	17128	89.5	1.0	27	0.95	32.1	19.6	4.5	0.4	360.9	9.51	3.21	0.17	273	0.59	0.273
1298157	Soil	10.69	79.03	7.33	603.8	26564	99.9	1.5	73	0.70	13.1	9.0	6.7	0.4	442.2	15.84	2.54	0.12	221	3.20	0.295
1298158	Soil	5.32	68.99	7.95	121.4	14567	40.7	0.7	10	0.80	5.8	7.7	4.1	<0.1	151.3	6.10	1.57	0.10	95	0.71	0.147
1298159	Soil	4.20	49.75	11.20	42.4	10248	17.6	0.4	8	0.48	2.0	5.2	4.4	<0.1	83.2	2.96	0.88	0.11	62	0.23	0.084
1298160	Soil	13.90	70.84	6.28	71.1	5998	20.8	0.9	13	1.39	16.4	5.7	4.6	0.6	76.7	2.02	0.89	0.16	124	0.14	0.049
1298161	Soil	11.36	53.22	6.67	66.7	3260	18.5	0.3	5	0.72	15.0	6.4	3.1	1.0	110.0	2.53	0.88	0.15	85	0.17	0.042
1298162	Soil	7.14	91.35	6.64	175.9	22041	33.3	0.6	9	0.55	6.4	8.9	6.7	0.6	312.2	4.99	2.37	0.17	111	0.93	0.185
1298163	Soil	17.45	59.33	6.42	664.5	11569	98.3	1.9	29	1.34	20.1	8.7	3.9	<0.1	189.6	14.82	1.71	0.14	153	0.76	0.147
1298164	Soil	12.97	51.63	6.63	130.7	7008	29.9	1.8	40	1.25	16.4	4.6	7.8	0.5	110.4	2.62	1.91	0.15	123	0.40	0.083
1298165	Soil	2.05	25.89	7.07	276.1	2476	75.1	2.1	99	0.41	1.4	6.4	2.6	<0.1	287.8	5.84	1.45	0.03	44	4.41	0.077
1298166	Soil	1.73	29.77	5.26	72.3	2484	51.6	2.7	96	0.80	3.7	3.9	2.9	0.2	237.6	1.01	0.97	0.06	48	3.07	0.083
1298167	Soil	1.40	25.81	5.03	141.8	1585	41.4	1.9	123	0.61	2.7	1.9	1.4	0.2	232.2	1.83	1.34	0.05	34	3.40	0.077
1298168	Soil	0.99	22.89	4.46	113.2	1434	32.1	3.3	228	0.74	3.1	3.0	1.8	0.2	243.5	1.01	0.83	0.06	43	3.42	0.086
1298169	Soil	8.55	16.24	10.77	9.7	2927	12.0	0.4	10	1.30	2.8	1.8	1.6	0.1	17.5	0.14	0.56	0.11	35	0.04	0.037
1298170	Soil	4.13	35.42	5.95	62.3	4890	26.8	0.8	11	0.74	3.6	5.0	2.1	0.5	125.9	0.88	1.61	0.10	59	0.57	0.134
1298171	Soil	2.73	28.31	4.63	150.7	3134	48.0	2.8	118	0.80	2.9	4.1	2.4	0.2	206.5	2.55	1.22	0.07	45	2.54	0.091
1298172	Soil	3.65	27.69	3.81	163.0	4159	43.5	2.5	91	0.80	8.5	4.8	2.2	0.5	248.8	1.70	1.42	0.06	91	1.93	0.189
1298173	Soil	4.34	47.33	12.41	52.5	14154	24.0	0.4	6	0.66	3.2	6.6	3.3	0.1	135.5	4.11	1.24	0.17	98	0.16	0.124
1298174	Soil	23.82	23.19	9.52	31.0	2360	7.0	1.0	37	7.19	31.8	1.3	10.9	1.5	13.9	0.04	2.69	0.26	155	<0.01	0.027
1298175	Soil	22.36	16.33	16.00	37.0	4821	7.9	1.4	51	6.95	30.3	1.1	5.8	1.1	16.7	0.09	3.20	0.28	163	0.02	0.032

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Client: **Rackla Metals Inc.**  
 650-200 Burrard St.  
 Vancouver BC V6C 3L6 CANADA

Project: FACE  
 Report Date: August 08, 2013

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# CERTIFICATE OF ANALYSIS

WHI13000116.2

Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	
Unit	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	
MDL	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	
1307110	Soil																				
1307111	Soil																				
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WHI13000116.2

Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	
Unit	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	
1307110	Soil															
1307111	Soil															
1307112	Soil															
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WHI13000116.2

Method Analyte	Unit	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
MDL		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1298176	Soil	7.56	14.91	10.47	51.5	2101	10.6	2.9	88	2.66	15.2	0.8	4.2	1.7	10.3	0.18	1.10	0.23	108	0.04	0.026
1298177	Soil	1.65	20.11	6.10	16.5	939	4.4	1.5	33	1.01	2.8	0.4	2.0	0.3	9.1	0.11	0.28	0.10	37	0.05	0.021
1298178	Soil	6.98	23.09	9.64	98.6	2256	25.0	4.7	111	2.47	15.9	1.2	5.8	1.8	31.1	0.50	1.21	0.18	104	0.05	0.026
1298179	Soil	6.56	21.31	10.87	80.6	2898	21.7	4.4	112	3.34	15.7	0.9	6.4	2.3	27.2	0.20	1.26	0.22	110	0.04	0.027
1298180	Soil	5.39	17.00	13.36	51.4	2859	12.2	2.6	73	3.48	12.7	0.9	4.6	1.5	17.3	0.17	1.13	0.37	132	0.03	0.039
1298181	Soil	4.09	30.13	18.90	106.7	2023	25.0	4.0	164	4.84	13.0	0.9	9.3	1.1	64.5	0.17	1.29	0.38	161	0.06	0.066
1298182	Soil	6.58	23.38	14.53	60.0	3469	14.9	2.5	95	3.92	17.0	0.9	8.5	1.0	40.5	0.15	1.50	0.31	167	0.03	0.055
1306301	Soil	27.38	48.15	12.94	163.5	15129	48.7	2.0	38	1.66	45.1	11.7	6.6	0.7	348.2	1.73	3.24	0.19	393	0.14	0.364
1306302	Soil	139.6	46.80	10.06	29.4	39125	18.1	<0.1	3	2.85	19.8	10.9	1.9	1.3	170.8	1.94	3.82	0.21	183	0.02	0.095
1306303	Soil	10.96	50.11	8.22	208.4	15949	56.3	0.7	18	0.86	6.2	12.9	4.0	1.3	306.7	8.93	2.64	0.19	172	0.20	0.188
1306304	Soil	21.59	46.15	6.43	173.7	51932	58.6	0.3	4	0.41	3.3	10.6	0.8	<0.1	208.9	8.62	2.97	0.20	251	0.17	0.134
1306305	Soil	13.82	92.28	7.03	482.3	7690	94.2	1.6	13	1.37	35.6	8.4	2.5	0.3	108.5	5.09	2.29	0.14	137	0.23	0.101
1306306	Soil	25.17	97.10	10.08	366.3	7879	134.3	3.1	30	2.59	56.1	10.5	4.5	0.3	184.8	0.83	4.15	0.18	174	0.31	0.240
1306307	Soil	6.60	69.46	3.86	370.7	2852	89.6	2.8	120	0.68	5.1	6.7	1.7	0.1	195.8	9.35	1.60	0.05	90	3.44	0.118
1306308	Soil	10.65	93.33	7.20	326.9	12777	111.5	1.8	8	1.23	12.5	8.3	0.7	0.2	118.5	1.02	2.40	0.14	82	0.24	0.074
1306309	Soil	82.91	351.7	10.09	4217	22587	877.3	8.3	47	2.50	99.6	37.3	1.0	1.7	490.9	52.66	13.38	0.15	925	2.45	0.692
1306310	Soil	40.13	479.4	6.07	809.9	19431	168.3	2.7	32	5.23	47.9	69.8	3.2	1.2	212.8	10.39	4.47	0.10	398	0.67	0.378
1306311	Soil	2.46	21.64	8.86	58.6	4195	17.4	0.6	18	0.68	3.6	2.5	2.7	<0.1	46.3	1.19	0.66	0.07	41	0.27	0.082
1306312	Soil	5.32	36.22	6.26	126.1	4781	24.1	2.4	53	1.43	12.3	3.0	2.9	0.2	74.0	1.82	1.17	0.12	111	0.27	0.103
1306313	Soil	12.13	71.01	5.49	515.5	7895	90.9	4.4	212	1.15	22.1	8.0	1.0	0.6	232.3	7.94	2.53	0.10	169	1.04	0.248
1306314	Soil	6.93	28.70	6.77	16.8	4425	10.7	0.3	11	0.96	6.5	3.5	2.9	0.2	69.2	0.42	0.53	0.14	47	0.21	0.053
1306315	Soil	11.41	17.08	11.05	147.9	3116	31.2	5.1	125	3.31	17.7	1.1	4.0	2.2	18.2	0.44	1.60	0.22	146	0.07	0.032
1306316	Soil	5.41	10.68	14.39	46.4	1184	11.0	2.0	79	1.47	6.2	0.5	0.6	0.3	10.3	0.17	0.78	0.18	83	0.06	0.033
1306317	Soil	1.62	8.44	10.05	22.9	1132	7.2	1.2	35	0.59	1.6	0.3	1.4	<0.1	13.4	0.35	0.21	0.06	21	0.11	0.042
1306318	Soil	9.81	80.41	38.99	169.5	6604	47.3	4.8	171	7.10	21.4	2.3	15.6	0.8	168.7	0.75	2.02	0.45	165	0.10	0.110
1306319	Soil	26.17	146.9	6.25	334.0	9463	88.2	2.7	42	3.26	21.0	10.2	3.0	1.0	202.7	3.68	4.20	0.13	182	0.46	0.266
1306320	Soil	29.67	27.47	14.32	87.1	927	21.3	2.6	88	2.44	21.6	3.1	3.1	0.2	93.9	1.26	6.13	0.18	210	0.17	0.162
1306321	Soil	6.09	23.22	8.35	37.9	2525	19.5	1.3	21	1.46	6.6	3.0	3.9	<0.1	28.8	0.98	2.77	0.11	71	0.13	0.104
1306322	Soil	25.30	17.37	18.38	262.3	461	44.2	4.3	117	7.65	19.6	2.9	3.3	0.8	24.1	0.62	3.08	0.20	151	0.06	0.054
1306323	Soil	1.40	13.27	5.00	55.0	720	18.8	3.0	177	0.85	3.6	1.9	2.2	0.1	239.9	0.48	0.58	0.06	30	3.53	0.069

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Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	
Unit	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	
MDL	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	
1298176	Soil																				
1298177	Soil																				
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Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	
Unit	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	
1298176	Soil															
1298177	Soil															
1298178	Soil															
1298179	Soil															
1298180	Soil															
1298181	Soil															
1298182	Soil															
1306301	Soil															
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WHI13000116.2

Method Analyte	Unit	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
MDL		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
1306324	Soil	4.07	25.23	7.28	139.1	1745	43.8	3.3	90	1.02	5.5	1.9	2.4	0.2	269.1	1.15	1.12	0.07	50	2.99	0.134
1306325	Soil	1.14	22.12	4.91	112.5	1293	38.9	2.6	95	0.66	2.5	2.9	2.4	0.2	233.9	1.01	0.76	0.05	33	2.94	0.108
1306326	Soil	2.20	31.11	4.97	153.5	3572	52.6	2.5	93	0.56	3.8	5.2	1.7	0.4	330.2	2.01	1.14	0.05	72	2.31	0.238
1306327	Soil	8.49	51.41	5.94	257.8	7494	74.5	3.2	50	0.89	12.1	7.1	3.7	0.5	179.2	6.45	2.34	0.07	120	0.99	0.142
1306328	Soil	40.58	106.4	9.07	344.4	17855	78.2	1.8	47	2.77	45.2	11.6	3.0	0.4	256.3	10.55	4.68	0.14	341	0.79	0.379
1306329	Soil	49.11	166.0	13.87	104.9	36810	48.8	0.9	10	4.21	63.0	15.2	4.2	0.6	140.6	9.38	4.16	0.24	350	0.42	0.341
1306330	Soil	7.01	22.80	13.06	75.8	1587	20.1	3.6	93	3.53	18.1	1.0	6.8	1.8	26.9	0.30	1.61	0.44	101	0.04	0.040
1306331	Soil	4.81	12.76	11.93	15.1	2168	4.6	0.5	41	1.59	9.3	0.7	5.7	0.5	24.0	0.11	1.05	0.31	48	0.06	0.021
1306332	Soil	2.39	12.28	12.77	16.4	1390	4.4	0.6	11	1.04	4.5	0.7	7.2	0.4	36.2	0.08	0.90	0.26	35	0.02	0.025
1306333	Soil	3.07	10.81	10.69	3.5	1593	2.7	0.1	3	0.66	11.7	1.3	6.7	0.6	24.4	0.10	0.46	0.22	17	0.01	0.011
1306334	Soil	3.23	20.56	23.42	33.1	3763	11.0	2.7	71	2.15	7.9	1.1	11.1	0.9	63.3	0.15	1.08	0.40	53	0.05	0.028
1306335	Soil	3.97	19.17	18.97	32.2	4467	8.2	0.8	44	2.12	9.6	1.3	9.3	0.4	91.9	0.17	1.14	0.37	73	0.07	0.038
1306336	Soil	0.04	4.55	0.83	3.9	56	0.8	0.9	18	0.24	0.2	<0.1	0.5	<0.1	13.1	<0.01	<0.02	<0.02	8	0.10	0.025
1306337	Soil	1.14	22.38	6.23	119.7	1288	27.3	3.8	171	1.01	5.6	2.2	1.9	0.4	218.3	1.50	0.84	0.24	45	2.56	0.100
1306338	Soil	2.29	36.90	6.67	181.5	1938	53.0	3.5	120	1.01	6.4	4.0	2.3	0.9	307.3	1.89	1.30	0.13	59	2.45	0.206
1306339	Soil	2.18	24.31	12.25	109.2	1536	37.9	4.5	198	1.16	7.0	5.3	1.9	0.6	208.1	1.42	1.33	0.14	63	1.96	0.090
1306340	Soil	1.31	14.24	6.98	62.3	440	13.5	2.2	77	0.78	3.9	1.8	1.4	0.2	192.9	1.78	0.49	0.13	26	2.46	0.063
1306341	Soil	5.86	18.64	13.09	88.2	1936	41.7	5.2	129	2.14	9.9	3.0	2.0	2.4	46.4	2.08	1.47	0.15	144	0.64	0.037
1306342	Soil	10.06	15.71	28.12	37.3	2907	11.3	1.9	57	3.25	18.3	1.1	3.9	0.8	29.9	0.23	1.56	0.20	91	0.06	0.037
1306343	Soil	7.57	14.78	16.41	11.9	1848	6.4	0.2	6	0.95	9.0	1.4	2.1	0.5	24.4	0.16	0.36	0.21	39	0.03	0.017
1306344	Soil	10.50	35.70	8.84	46.3	2620	12.3	2.0	41	2.65	17.5	2.0	5.5	2.1	13.3	0.09	1.37	0.36	103	0.01	0.015
1306345	Soil	7.78	13.38	8.98	10.7	1777	2.3	0.6	14	2.49	26.4	0.9	3.7	0.9	12.7	0.03	0.97	0.27	71	<0.01	0.015
1306346	Soil	10.68	30.44	10.46	14.9	1961	6.8	0.9	18	1.56	16.3	3.6	6.2	0.8	20.1	0.15	0.64	0.21	48	0.03	0.016
1306347	Soil	4.66	45.45	8.59	32.0	1877	12.2	0.4	8	0.99	10.3	3.1	3.1	0.5	45.9	0.68	0.63	0.16	38	0.06	0.026
1306348	Soil	9.27	95.17	7.16	11.4	1724	8.0	0.2	3	1.94	6.4	5.0	3.5	0.8	29.0	0.22	0.90	0.13	48	0.01	0.020
1306349	Soil	78.17	29.55	17.60	43.4	8919	11.5	0.9	29	7.76	31.7	5.9	7.3	0.9	96.4	0.85	6.36	0.14	128	0.03	0.083
1306350	Soil	13.26	58.82	8.60	409.6	5502	79.9	3.4	113	1.21	23.1	7.6	2.3	1.6	408.9	9.92	2.77	0.11	152	2.47	0.369
1349201	Soil	15.53	85.13	10.25	57.7	34988	40.3	0.6	13	0.90	20.5	17.6	3.9	0.4	199.1	5.84	2.06	0.22	114	0.09	0.199
1349202	Soil	42.70	16.07	18.93	52.1	3899	14.1	1.7	45	3.02	23.3	1.5	3.2	0.9	27.9	0.34	2.34	0.22	104	0.03	0.034
1349203	Soil	24.70	283.6	10.10	554.9	54511	111.2	2.8	28	1.12	35.8	41.1	3.1	0.6	458.9	61.01	5.74	0.19	519	0.59	0.704

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Client: **Rackla Metals Inc.**  
 650-200 Burrard St.  
 Vancouver BC V6C 3L6 CANADA

Project: FACE  
 Report Date: August 08, 2013

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# CERTIFICATE OF ANALYSIS

WHI13000116.2

Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	G6Gr	1F	1F
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Ag	Mo
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	gm/t	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.01	0.02	0.02	5	0.1	0.02	0.1	50	0.01	0.01
1306324	Soil	2.3	35.3	0.09	1439	0.003	14	0.47	0.010	0.03	<0.1	1.8	0.22	0.15	118	4.0	0.03	1.3		
1306325	Soil	2.2	24.3	0.08	1361	0.004	9	0.37	0.008	0.03	<0.1	1.4	0.11	0.16	90	3.4	<0.02	1.1		
1306326	Soil	2.7	68.0	0.07	1524	0.003	16	0.41	0.008	0.05	<0.1	2.2	0.44	0.15	134	5.0	<0.02	1.6		
1306327	Soil	3.1	101.6	0.07	2487	0.005	12	0.48	0.008	0.04	0.2	3.5	0.87	0.16	232	10.1	0.05	2.4		
1306328	Soil	8.4	273.8	0.09	145.7	0.008	14	0.63	0.015	0.13	0.5	4.5	1.60	0.45	507	28.9	0.18	3.6		
1306329	Soil	6.3	231.9	0.05	56.4	0.003	8	0.79	0.020	0.24	0.7	7.1	1.53	0.93	1191	33.7	0.20	4.9		
1306330	Soil	5.3	39.0	0.19	443.7	0.014	4	1.10	0.007	0.09	0.1	2.0	0.21	0.13	57	4.9	0.17	4.7		
1306331	Soil	1.4	15.0	0.03	562.8	0.002	9	0.30	0.010	0.15	<0.1	1.0	0.18	0.36	67	6.0	0.10	1.5		
1306332	Soil	2.0	12.6	0.02	549.5	0.004	6	0.45	0.008	0.08	<0.1	1.2	0.11	0.15	106	2.3	0.17	1.9		
1306333	Soil	1.7	7.3	<0.01	734.2	<0.001	7	0.20	0.004	0.12	<0.1	0.7	0.14	0.22	228	4.5	0.05	0.7		
1306334	Soil	3.4	22.6	0.07	395.2	0.006	6	0.69	0.015	0.17	<0.1	1.8	0.27	0.44	118	6.2	0.10	2.2		
1306335	Soil	2.0	22.6	0.04	442.2	0.005	5	0.30	0.014	0.18	<0.1	1.3	0.25	0.47	150	7.1	0.16	2.2		
1306336	Soil	1.1	0.8	0.02	24.3	0.014	<1	0.13	0.087	0.04	<0.1	0.2	<0.02	<0.02	6	<0.1	<0.02	0.5		
1306337	Soil	4.5	34.3	0.14	4338	0.008	8	0.46	0.008	0.03	<0.1	2.1	0.11	0.11	72	2.1	0.04	1.4		
1306338	Soil	4.0	36.3	0.22	1665	0.007	10	0.44	0.008	0.06	<0.1	2.8	0.24	0.13	127	4.0	0.07	1.4		
1306339	Soil	4.4	35.7	0.08	3319	0.007	8	0.56	0.007	0.02	0.1	2.4	0.11	0.14	104	4.2	0.06	1.5		
1306340	Soil	4.0	19.6	0.07	1232	0.013	2	0.63	0.012	0.02	<0.1	1.1	0.06	0.11	47	2.1	<0.02	2.0		
1306341	Soil	12.1	75.3	0.24	1626	0.018	2	1.75	0.012	0.02	0.2	4.2	0.21	0.02	39	4.4	0.05	4.9		
1306342	Soil	4.0	33.5	0.07	415.7	0.015	6	0.71	0.019	0.19	0.1	1.2	0.28	0.53	97	13.6	0.17	4.1		
1306343	Soil	1.9	23.9	0.02	795.1	0.004	11	0.26	0.006	0.11	<0.1	0.9	0.16	0.23	37	6.8	0.03	1.9		
1306344	Soil	5.8	47.0	0.10	2148	0.007	5	1.18	0.002	0.05	0.1	2.5	0.17	0.07	220	4.7	0.08	3.4		
1306345	Soil	2.2	21.8	0.03	835.7	0.006	3	0.55	0.008	0.08	<0.1	0.9	0.20	0.19	63	3.2	0.16	3.4		
1306346	Soil	2.3	30.5	0.03	324.2	0.003	7	0.31	0.019	0.16	0.1	1.5	0.26	0.47	243	6.5	0.04	1.5		
1306347	Soil	2.2	32.8	0.02	530.3	0.002	16	0.25	0.006	0.13	<0.1	1.4	0.23	0.33	193	8.1	0.04	1.8		
1306348	Soil	2.3	59.2	0.01	267.4	0.002	11	0.35	0.007	0.22	0.2	2.3	0.31	0.68	88	20.7	0.05	1.9		
1306349	Soil	3.5	99.6	0.05	31.1	0.007	7	0.57	0.088	0.57	0.6	2.6	1.83	2.49	481	61.2	0.33	4.6		
1306350	Soil	6.3	113.2	0.66	1774	0.008	14	0.50	0.010	0.09	0.3	3.2	0.58	0.15	157	13.0	0.14	2.5		
1349201	Soil	14.0	252.3	0.03	2765	0.015	6	0.66	0.003	0.04	0.4	2.2	0.37	0.13	688	16.2	0.12	4.7		
1349202	Soil	4.9	32.5	0.04	192.3	0.020	3	0.46	0.012	0.35	0.3	1.1	1.20	0.83	144	11.8	0.10	3.2		
1349203	Soil	25.6	748.4	0.03	4679	0.024	13	1.02	0.003	0.04	0.9	6.9	1.54	0.10	1549	20.3	0.26	6.5		

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 Vancouver BC V6C 3L6 CANADA

Project: FACE  
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# CERTIFICATE OF ANALYSIS

WHI13000116.2

	Method	1F																				
		Analyte	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr
		Unit	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
		MDL	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5
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Project: FACE  
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# CERTIFICATE OF ANALYSIS

WHI13000116.2

Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	
Unit	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	
1306324	Soil															
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 Vancouver BC V6C 3L6 CANADA

Project: FACE  
 Report Date: August 08, 2013

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# CERTIFICATE OF ANALYSIS

WHI13000116.2

Method Analyte	Unit	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
MDL		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1349204	Soil	8.96	188.1	8.05	64.6	57350	63.3	0.1	1	0.34	12.4	59.5	3.6	2.2	540.0	9.45	3.44	0.18	575	0.47	0.633
1349205	Soil	9.68	138.5	7.82	811.6	20864	125.3	3.0	38	0.73	19.0	7.4	5.5	0.4	211.7	5.70	3.55	0.15	87	1.14	0.143
1349206	Soil	125.8	148.2	6.43	2663	22847	254.2	1.8	34	1.17	71.2	21.1	2.9	0.3	578.9	96.15	28.80	0.09	643	6.81	0.385
1349207	Soil	8.13	77.82	9.98	308.4	17057	91.9	2.8	16	0.59	10.4	7.1	4.6	0.6	164.3	33.08	3.06	0.16	67	0.45	0.115
1349208	Soil	47.85	302.2	6.07	3345	15152	422.6	3.8	44	2.46	101.0	35.1	3.0	0.9	404.1	125.8	9.97	0.08	656	1.46	0.568
1349209	Soil	94.30	61.05	15.91	1148	30538	101.2	0.5	8	5.76	285.4	21.6	41.1	1.4	342.6	6.16	7.98	0.32	517	1.17	0.494
1349210	Soil	29.46	138.1	14.30	1631	25485	209.5	5.0	63	2.01	51.0	21.3	10.2	1.4	591.6	28.58	8.10	0.20	320	1.41	0.749
1349211	Soil	6.26	100.6	12.42	226.9	30762	59.3	3.7	30	0.88	15.5	13.8	3.3	0.4	264.2	43.23	2.47	0.23	54	0.23	0.119
1349212	Soil	19.21	48.98	7.69	15.6	2788	17.5	0.2	2	2.22	14.3	7.9	4.2	1.0	104.9	0.21	1.40	0.13	80	0.13	0.039
1349213	Soil	57.56	197.0	13.02	358.0	>100000	40.5	0.2	3	0.76	44.5	58.0	18.5	2.9	903.0	5.18	8.96	0.23	868	0.88	1.069
1349214	Soil	19.54	153.6	7.75	5148	13057	489.2	5.8	83	2.36	54.4	13.8	9.1	0.7	336.5	108.9	3.81	0.14	239	1.04	0.239
1349215	Soil	37.24	188.7	8.37	3579	29496	412.2	6.2	79	2.45	94.2	21.4	5.5	1.8	557.7	48.08	5.18	0.14	388	2.97	0.462
1349216	Soil	23.48	103.4	7.07	82.3	22556	30.2	0.7	17	1.29	34.2	8.0	11.8	0.1	207.9	5.16	1.62	0.21	136	0.12	0.117
1349217	Soil	0.17	4.52	0.45	14.9	136	2.1	1.1	21	0.37	0.6	<0.1	1.6	<0.1	13.2	0.12	0.03	<0.02	15	0.12	0.026
1349051	Soil	14.84	82.29	2.15	2959	13960	300.1	2.3	90	0.89	37.7	7.5	1.7	0.6	425.1	66.39	2.41	0.05	505	5.74	0.594
1349052	Soil	24.18	112.2	9.30	315.3	9904	91.4	2.4	43	5.00	29.6	14.4	6.3	1.2	195.5	5.25	3.22	0.12	236	0.50	0.274
1349053	Soil	14.47	47.58	13.00	126.2	4373	30.2	1.7	52	2.33	20.5	4.4	7.4	1.0	104.4	1.76	1.81	0.17	112	0.20	0.106
1349054	Soil	19.39	144.1	14.02	113.7	2424	46.6	3.9	58	2.85	15.9	9.8	5.7	0.3	99.4	0.67	1.47	0.18	51	0.07	0.149
1349055	Soil	16.26	88.17	4.80	678.6	14167	108.4	2.1	42	0.95	24.7	9.1	4.7	1.0	428.2	15.32	4.24	0.10	292	2.29	0.474
1349056	Soil	35.98	132.0	5.96	1477	19419	202.3	3.7	51	2.08	54.0	15.7	5.2	1.0	416.7	29.47	7.87	0.11	450	1.87	0.531
1349057	Soil	32.97	71.77	5.50	380.3	32558	89.6	1.1	23	1.07	24.4	7.9	2.3	1.6	335.4	10.08	4.34	0.15	277	1.18	0.294
1349058	Soil	20.41	86.44	6.05	694.6	18379	118.8	3.0	68	1.25	24.4	9.3	3.8	1.2	377.7	13.65	4.25	0.11	297	1.91	0.390
1349059	Soil	44.71	78.38	11.08	490.2	11338	104.7	4.7	72	4.99	32.3	6.7	3.3	1.8	210.6	2.90	4.25	0.15	246	0.81	0.240
1349060	Soil	20.91	85.82	6.31	588.4	15652	104.9	3.1	69	1.54	26.7	9.2	3.3	1.1	379.0	10.95	3.79	0.11	259	1.76	0.385
1349061	Soil	22.39	97.05	6.79	870.7	13054	156.1	5.2	120	2.73	28.1	11.8	4.5	1.1	352.2	11.67	3.73	0.10	241	1.75	0.351
1349062	Soil	21.65	97.72	7.45	756.1	14686	133.6	4.8	108	2.34	27.9	11.1	4.4	1.2	349.5	10.70	3.65	0.11	246	1.62	0.354
1349063	Soil	22.43	104.7	6.82	742.3	11774	132.2	4.1	85	2.65	32.2	13.0	3.4	1.2	408.4	11.67	3.85	0.10	270	1.80	0.448
1349152	Soil	10.93	100.3	9.66	142.7	2018	39.6	4.0	84	5.64	18.6	4.7	3.9	1.2	121.2	1.23	2.06	0.13	166	0.22	0.141
1349153	Soil	7.30	29.54	8.25	77.5	2029	23.4	3.2	121	1.21	9.4	3.6	3.4	0.9	129.0	0.77	1.00	0.12	63	0.43	0.103
1349154	Soil	8.77	40.93	6.09	355.1	4744	70.0	3.6	123	1.22	13.7	4.8	2.4	1.1	322.3	6.89	1.90	0.08	132	2.24	0.287

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# CERTIFICATE OF ANALYSIS

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Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	G6Gr	1F	1F
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Ag	Mo	Cu
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	gm/t	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	50	0.01	0.01
1349204	Soil	25.2	816.0	0.02	8082	0.037	17	0.86	0.003	0.04	0.8	3.6	2.50	0.09	1154	9.7	0.17	5.8			
1349205	Soil	1.8	144.3	0.17	1617	0.001	15	0.31	0.004	0.04	0.4	3.8	0.26	0.14	524	19.2	0.08	2.3			
1349206	Soil	5.8	191.4	0.26	2735	0.004	24	0.31	0.014	0.05	1.0	2.2	7.96	0.12	1038	26.2	0.16	3.2			
1349207	Soil	2.3	120.0	0.01	855.7	0.001	17	0.27	0.002	0.06	0.2	3.9	0.76	0.12	511	27.4	0.08	1.7			
1349208	Soil	5.5	235.5	0.03	2524	0.005	24	0.61	0.004	0.05	0.6	4.5	5.26	0.11	500	26.3	0.09	4.8			
1349209	Soil	8.5	177.7	0.04	34.7	0.023	10	0.34	0.035	0.49	2.6	5.2	2.04	1.57	3712	87.1	0.22	3.5			
1349210	Soil	6.1	267.8	0.09	1154	0.011	34	0.86	0.013	0.11	0.9	7.6	3.35	0.21	782	32.2	0.15	4.9			
1349211	Soil	1.3	140.3	<0.01	1229	0.001	12	0.46	0.005	0.06	0.3	4.9	1.20	0.22	240	38.2	0.17	1.8			
1349212	Soil	3.8	39.2	0.03	159.2	0.003	16	0.23	0.020	0.24	0.2	1.2	0.51	0.76	425	19.0	0.04	1.2			
1349213	Soil	39.6	1193	0.08	>10000	0.060	27	1.09	0.004	0.07	1.6	6.4	3.52	0.11	2150	73.5	0.22	7.6	88		
1349214	Soil	9.1	174.8	0.23	4749	0.007	10	0.85	0.009	0.07	0.3	5.9	1.69	0.08	681	22.8	0.12	3.1			
1349215	Soil	13.7	347.0	1.13	716.1	0.013	14	0.96	0.017	0.09	0.7	5.2	1.39	0.27	1150	49.6	0.17	5.8			
1349216	Soil	6.9	219.9	0.05	304.5	0.005	9	0.57	0.011	0.11	0.4	1.8	0.54	0.31	690	39.3	0.15	5.0			
1349217	Soil	0.9	2.4	0.03	70.3	0.020	<1	0.13	0.084	0.04	<0.1	0.2	0.02	<0.02	6	0.2	<0.02	0.7			
1349051	Soil	4.2	220.7	2.67	2376	0.003	10	0.49	0.023	0.02	0.4	3.1	0.54	0.09	217	9.1	0.10	1.6			
1349052	Soil	5.0	210.3	0.07	196.7	0.005	13	1.26	0.011	0.09	0.3	10.5	0.62	0.57	295	18.0	0.10	3.4			
1349053	Soil	5.3	70.0	0.10	327.7	0.006	10	0.56	0.013	0.14	0.2	3.2	0.40	0.39	267	13.7	0.17	2.8			
1349054	Soil	2.1	57.0	0.03	898.1	0.003	2	1.18	0.009	0.07	0.1	11.0	0.59	0.21	203	5.7	0.09	1.8			
1349055	Soil	6.5	209.2	0.19	2949	0.004	27	0.45	0.009	0.07	0.3	4.4	1.01	0.11	355	15.8	0.07	2.8			
1349056	Soil	7.8	399.7	0.20	1045	0.007	26	0.60	0.009	0.09	0.5	7.5	1.68	0.20	455	25.4	0.11	6.4			
1349057	Soil	13.1	353.9	0.15	1211	0.009	20	0.44	0.009	0.10	0.5	3.2	0.41	0.22	618	28.9	0.12	2.3			
1349058	Soil	8.2	249.7	0.29	1574	0.007	22	0.51	0.010	0.08	0.4	4.5	0.93	0.17	433	17.5	0.07	2.9			
1349059	Soil	6.6	159.6	0.18	103.4	0.017	11	0.84	0.022	0.22	0.4	5.4	0.83	0.80	304	25.5	0.20	3.7			
1349060	Soil	7.5	232.7	0.24	1224	0.006	21	0.56	0.010	0.09	0.3	4.3	0.75	0.19	368	17.1	0.09	2.9			
1349061	Soil	6.5	208.4	0.22	1192	0.006	18	0.81	0.010	0.08	0.3	5.9	0.78	0.21	329	17.6	0.08	3.1			
1349062	Soil	7.2	232.4	0.22	983.8	0.006	18	0.73	0.010	0.08	0.4	5.6	0.76	0.22	375	18.5	0.09	3.3			
1349063	Soil	6.5	217.5	0.27	815.8	0.005	20	0.84	0.010	0.09	0.3	6.4	0.79	0.23	312	17.7	0.10	3.6			
1349152	Soil	3.1	70.9	0.13	172.5	0.003	7	0.91	0.015	0.14	0.1	6.9	0.45	0.60	159	10.5	0.13	3.3			
1349153	Soil	5.0	42.1	0.08	1073	0.006	13	0.50	0.007	0.10	0.1	2.1	0.25	0.20	139	8.4	0.07	2.3			
1349154	Soil	5.2	88.1	0.49	1818	0.008	13	0.60	0.011	0.08	0.2	3.2	0.55	0.13	139	8.9	0.03	2.4			

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 650-200 Burrard St.  
 Vancouver BC V6C 3L6 CANADA

Project: FACE  
 Report Date: August 08, 2013

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# CERTIFICATE OF ANALYSIS

WHI13000116.2

Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	
Unit	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	
MDL	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	
1349204	Soil																				
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Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	
Unit	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	
1349204	Soil															
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# CERTIFICATE OF ANALYSIS

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Method	Analyte	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1349155	Soil	26.18	192.4	6.02	855.8	26387	116.3	2.0	44	1.16	25.4	15.3	2.5	1.5	363.7	20.03	3.35	0.14	290	1.66	0.334
1349156	Soil	21.59	110.5	5.84	259.5	5183	72.1	1.3	23	3.83	17.8	9.3	2.7	1.2	128.7	3.78	2.08	0.12	135	0.43	0.106
1349157	Soil	32.58	22.93	10.06	28.7	5283	8.0	0.6	21	4.26	11.0	2.8	4.6	0.7	33.3	0.21	1.81	0.14	101	0.03	0.033
1349158	Soil	20.07	36.36	6.34	37.8	5503	15.2	0.6	14	1.68	10.0	3.6	6.6	0.3	48.5	1.17	0.86	0.13	83	0.12	0.069
1349159	Soil	100.4	87.82	8.23	119.3	13284	27.6	0.8	16	18.00	81.2	7.5	2.8	0.2	88.3	2.86	2.96	0.10	268	0.14	0.194
1349160	Soil	24.36	107.7	6.27	168.9	7371	57.6	1.1	23	3.40	28.0	9.9	3.1	0.9	137.0	2.73	2.17	0.14	159	0.25	0.153
1349161	Soil	27.18	136.4	6.37	451.5	13644	115.5	2.7	53	3.45	55.6	15.1	4.6	1.0	238.9	9.85	2.85	0.11	266	0.64	0.336
1349162	Soil	29.97	84.72	6.00	508.6	13964	79.7	2.1	65	3.42	68.7	11.9	4.1	0.9	232.9	13.82	2.87	0.10	273	0.72	0.326
1349163	Soil	36.65	93.54	6.91	147.7	8784	49.8	1.1	26	7.23	132.5	21.5	4.2	0.9	190.0	1.49	2.83	0.11	343	0.29	0.392
1349164	Soil	21.63	92.27	5.61	289.4	7655	80.2	2.6	45	5.68	31.3	14.0	2.9	1.2	215.3	3.07	3.20	0.09	271	0.53	0.457
1349165	Soil	26.11	115.8	6.08	352.0	10024	94.5	2.9	40	5.22	22.6	10.1	3.8	1.1	267.3	3.88	3.80	0.09	209	0.66	0.331
1349166	Soil	19.03	93.45	5.44	1262	11683	185.7	4.3	46	1.22	22.3	9.0	2.5	0.9	351.4	14.47	4.55	0.10	240	2.24	0.309
1349167	Soil	26.81	115.0	7.86	831.4	22387	108.5	2.1	43	1.16	27.0	13.9	1.6	1.5	473.5	22.42	4.49	0.13	386	1.86	0.522
1349168	Soil	0.09	3.97	0.41	7.2	35	1.2	1.2	22	0.38	0.2	<0.1	<0.2	<0.1	12.1	0.02	0.02	<0.02	14	0.12	0.025
1298183	Soil	2.31	7.60	12.61	9.2	4721	2.8	0.2	6	1.80	1.9	0.7	6.6	0.6	39.7	0.02	0.53	0.24	42	<0.01	0.023
1298184	Soil	1.42	28.54	47.31	17.7	1965	5.1	1.0	6	7.99	19.0	0.4	29.2	1.2	29.7	<0.01	2.53	1.07	74	<0.01	0.039
1298185	Soil	0.92	14.52	17.66	10.1	2865	4.4	0.5	11	3.22	5.7	0.3	12.6	0.4	34.2	<0.01	0.58	0.29	22	<0.01	0.019
1298186	Soil	4.37	32.10	13.78	77.4	2947	21.4	4.2	106	4.14	11.5	0.8	14.2	1.8	44.1	0.10	1.47	0.30	123	0.04	0.050
1298187	Soil	4.28	20.72	17.46	72.0	249	25.2	8.5	185	3.61	16.3	0.6	3.6	3.2	12.2	0.17	1.45	0.36	101	0.05	0.030
1298188	Soil	0.68	18.76	25.64	6.8	2982	2.7	0.3	6	2.96	3.6	0.8	6.7	0.6	74.4	0.02	0.61	0.46	35	<0.01	0.025
1298189	Soil	2.90	20.72	17.75	47.8	1470	10.7	1.9	44	2.97	11.7	0.6	5.7	1.2	14.2	0.06	1.96	0.51	103	0.02	0.028
1298190	Soil	1.54	28.51	50.61	57.1	2723	8.1	1.2	24	9.68	9.8	0.6	23.3	0.8	25.7	<0.01	3.27	0.62	77	<0.01	0.034
1349151	Soil	0.59	35.42	24.85	30.5	805	7.5	1.3	13	3.48	5.9	0.6	24.1	0.7	15.8	<0.01	1.58	0.68	34	<0.01	0.025





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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Ag	Mo	Cu
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	gm/t	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	50	0.01	0.01
1349155	Soil	10.8	367.9	0.19	1200	0.011	21	0.44	0.010	0.08	0.5	5.4	0.88	0.22	607	35.1	0.17	3.9			
1349156	Soil	5.1	146.7	0.06	303.7	0.002	22	0.57	0.012	0.12	0.1	4.5	0.45	0.40	273	14.0	0.06	3.9			
1349157	Soil	3.4	46.7	0.04	65.2	0.003	11	0.55	0.015	0.29	0.2	1.5	0.81	1.19	344	16.4	0.11	2.9			
1349158	Soil	4.1	62.1	0.05	763.3	0.004	10	0.51	0.006	0.07	0.2	1.6	0.31	0.25	398	11.7	0.06	2.6			
1349159	Soil	1.4	280.6	0.04	12.5	0.008	7	0.51	0.082	1.02	0.7	4.4	1.71	4.91	339	43.2	0.14	6.3			
1349160	Soil	5.6	171.1	0.05	177.6	0.004	18	0.64	0.013	0.13	0.2	4.0	0.52	0.52	282	18.4	0.07	3.5			
1349161	Soil	8.0	313.0	0.08	384.1	0.009	15	0.93	0.010	0.09	0.4	6.6	0.76	0.32	387	24.6	0.10	5.1			
1349162	Soil	6.9	326.6	0.11	145.4	0.008	10	0.89	0.012	0.17	0.4	4.6	0.88	0.53	358	22.2	0.11	6.3			
1349163	Soil	4.7	595.8	0.06	60.3	0.007	13	0.55	0.022	0.30	0.3	9.7	0.77	1.12	272	26.2	0.19	11.4			
1349164	Soil	4.7	249.4	0.06	179.2	0.005	12	1.11	0.006	0.07	0.2	12.3	0.69	0.60	243	16.3	0.07	3.3			
1349165	Soil	5.0	170.4	0.08	224.5	0.005	15	1.26	0.006	0.07	0.3	5.7	0.81	0.56	270	21.4	0.07	2.9			
1349166	Soil	6.1	201.7	0.17	1345	0.003	30	0.48	0.009	0.08	0.3	5.1	0.99	0.18	385	25.3	0.10	2.9			
1349167	Soil	12.1	380.6	0.40	1194	0.010	33	0.58	0.013	0.10	0.6	4.9	1.01	0.20	535	26.1	0.10	3.8			
1349168	Soil	0.9	1.4	0.03	18.2	0.022	<1	0.14	0.089	0.04	<0.1	0.3	<0.02	<0.02	5	<0.1	<0.02	0.7			
1298183	Soil	1.0	12.1	0.02	288.4	0.001	5	0.38	0.009	0.15	<0.1	1.3	0.56	0.38	113	7.2	0.11	1.4			
1298184	Soil	2.7	19.2	0.03	1926	0.002	5	0.53	0.002	0.07	0.3	6.4	0.17	0.08	229	3.3	2.56	2.3			
1298185	Soil	0.9	6.1	0.02	103.5	0.001	9	0.26	0.018	0.37	<0.1	1.8	0.15	0.91	401	1.9	0.23	1.2			
1298186	Soil	5.2	36.4	0.23	643.4	0.016	3	1.99	0.008	0.09	0.1	4.6	0.37	0.13	117	2.7	0.22	6.7			
1298187	Soil	8.4	35.8	0.37	298.4	0.038	3	2.24	0.002	0.07	0.2	3.4	0.20	0.04	32	0.6	<0.02	6.9			
1298188	Soil	1.4	11.1	0.02	128.7	0.002	5	0.26	0.027	0.34	<0.1	1.9	0.24	1.03	399	5.8	0.22	1.2			
1298189	Soil	3.9	22.9	0.09	543.0	0.010	2	1.22	0.001	0.04	0.1	2.0	0.15	0.05	88	1.8	0.31	5.1			
1298190	Soil	<0.5	16.0	0.02	44.8	0.002	5	0.23	0.044	0.49	0.3	4.4	0.54	1.34	1256	5.7	0.46	2.7			
1349151	Soil	1.1	10.8	0.02	1251	<0.001	5	0.30	0.001	0.06	0.2	4.5	0.17	0.06	284	3.0	1.31	1.6			



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 Report Date: August 08, 2013

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# CERTIFICATE OF ANALYSIS

WHI13000116.2

Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	
Unit	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	
MDL	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	
1349155	Soil																				
1349156	Soil																				
1349157	Soil																				
1349158	Soil																				
1349159	Soil																				
1349160	Soil																				
1349161	Soil																				
1349162	Soil																				
1349163	Soil																				
1349164	Soil																				
1349165	Soil																				
1349166	Soil																				
1349167	Soil																				
1349168	Soil																				
1298183	Soil																				
1298184	Soil																				
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1298186	Soil																				
1298187	Soil																				
1298188	Soil																				
1298189	Soil																				
1298190	Soil																				
1349151	Soil																				



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Project: FACE  
 Report Date: August 08, 2013

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# CERTIFICATE OF ANALYSIS

WHI13000116.2

Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	
Unit	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	
1349155	Soil															
1349156	Soil															
1349157	Soil															
1349158	Soil															
1349159	Soil															
1349160	Soil															
1349161	Soil															
1349162	Soil															
1349163	Soil															
1349164	Soil															
1349165	Soil															
1349166	Soil															
1349167	Soil															
1349168	Soil															
1298183	Soil															
1298184	Soil															
1298185	Soil															
1298186	Soil															
1298187	Soil															
1298188	Soil															
1298189	Soil															
1298190	Soil															
1349151	Soil															

# QUALITY CONTROL REPORT

WHI13000116.2

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	
Pulp Duplicates																					
1307002	Soil	17.51	120.0	8.37	205.0	12293	56.9	0.5	8	1.58	42.9	22.0	6.5	0.6	309.8	12.17	2.95	0.26	162	0.08	0.224
REP 1307002	QC	17.09	116.9	8.36	200.2	12096	54.8	0.5	8	1.54	42.0	21.6	6.9	0.5	305.6	12.17	2.94	0.24	159	0.08	0.224
1307005	Soil	5.84	93.58	6.99	485.0	34870	67.8	1.3	33	0.72	15.7	11.0	1.0	1.9	330.8	37.48	2.16	0.25	218	0.54	0.256
REP 1307005	QC	5.99	94.94	7.17	482.8	35394	71.8	1.4	33	0.74	16.1	11.2	0.7	2.0	345.9	39.29	2.23	0.23	230	0.55	0.268
1307011	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 1307011	QC																				
1307038	Soil	18.14	38.16	14.81	118.4	639	30.9	2.0	87	3.25	37.8	5.7	2.1	1.1	217.7	1.92	5.99	0.19	114	0.09	0.130
REP 1307038	QC	19.16	37.72	15.00	120.6	625	31.8	2.0	86	3.23	38.8	5.9	2.4	1.0	223.5	1.91	6.11	0.20	114	0.09	0.128
1307041	Soil	16.12	14.98	11.95	16.7	244	7.3	0.6	26	1.41	16.7	1.5	4.0	0.6	32.2	0.17	2.39	0.18	32	0.05	0.014
REP 1307041	QC	16.34	15.01	11.88	16.1	255	7.4	0.6	27	1.40	16.1	1.6	4.0	0.6	33.1	0.17	2.45	0.17	34	0.05	0.014
1307074	Soil	6.16	34.16	12.62	77.5	2103	25.8	3.2	52	1.89	12.6	2.9	4.9	1.0	33.3	0.81	1.33	0.31	83	0.10	0.057
REP 1307074	QC	5.93	32.27	11.93	78.2	2021	25.2	3.3	51	1.86	12.5	2.9	5.6	1.0	31.8	0.79	1.33	0.25	83	0.10	0.058
1307077	Soil	1.46	27.23	17.81	44.9	627	23.8	3.4	44	1.70	6.5	1.0	3.1	1.1	17.7	0.46	0.45	0.16	35	0.14	0.055
REP 1307077	QC	1.48	26.95	19.52	44.4	677	23.8	3.1	46	1.73	6.6	1.0	2.3	1.1	17.8	0.49	0.48	0.15	35	0.13	0.058
1306211	Soil	67.45	337.6	12.41	89.6	>100000	31.3	0.4	6	1.26	86.5	62.6	3.4	3.0	876.1	7.84	7.73	0.24	974	0.15	1.131
REP 1306211	QC																				
1306221	Soil	28.00	126.7	5.64	355.4	10315	98.7	2.8	37	5.75	41.9	22.1	3.6	1.1	186.3	10.31	3.09	0.16	462	0.46	0.350
REP 1306221	QC	28.86	130.3	5.95	371.6	10297	101.6	2.7	38	5.96	43.7	22.9	3.5	1.1	196.0	11.18	3.32	0.14	472	0.48	0.360
1306224	Soil	7.78	18.47	11.57	169.1	1739	34.8	5.4	158	2.72	17.6	1.0	1.7	2.2	34.6	0.95	1.40	0.21	132	0.10	0.039
REP 1306224	QC	7.43	18.97	11.40	165.2	1675	33.0	5.4	151	2.74	17.2	1.0	<0.2	2.2	34.6	0.95	1.38	0.20	131	0.10	0.036
1307105	Soil	2.05	29.55	4.66	135.4	2479	55.0	2.5	62	0.78	4.1	7.7	4.2	0.3	297.6	1.89	1.13	0.08	43	3.27	0.122
REP 1307105	QC	1.81	28.76	4.35	134.8	2597	54.2	2.2	50	0.77	4.1	7.1	3.6	0.3	298.8	1.86	1.07	0.07	45	3.06	0.143
1307108	Soil	8.70	59.55	4.85	441.9	4696	83.6	4.3	121	1.50	12.4	6.0	2.4	1.1	232.3	5.70	1.73	0.10	115	1.55	0.195
REP 1307108	QC	8.51	56.52	4.75	428.8	4952	81.1	4.3	119	1.47	12.0	6.0	2.1	1.0	227.1	5.60	1.67	0.09	110	1.49	0.192
1298177	Soil	1.65	20.11	6.10	16.5	939	4.4	1.5	33	1.01	2.8	0.4	2.0	0.3	9.1	0.11	0.28	0.10	37	0.05	0.021
REP 1298177	QC	1.71	20.54	5.82	18.3	940	4.5	1.6	34	1.04	2.9	0.4	3.4	0.4	9.3	0.13	0.28	0.10	37	0.05	0.021
1298180	Soil	5.39	17.00	13.36	51.4	2859	12.2	2.6	73	3.48	12.7	0.9	4.6	1.5	17.3	0.17	1.13	0.37	132	0.03	0.039
REP 1298180	QC	5.47	16.93	13.27	52.0	2835	12.1	2.6	74	3.46	12.8	0.9	3.1	1.5	17.6	0.18	1.13	0.38	132	0.03	0.039

# QUALITY CONTROL REPORT

WHI13000116.2

Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	G6Gr	1F	1F	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Ag	Mo	Cu	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	gm/t	ppm	ppm	
MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	50	0.01	0.01	
Pulp Duplicates																					
1307002	Soil	14.8	148.6	0.02	434.7	0.008	11	0.68	0.014	0.09	0.5	3.2	0.57	0.32	423	25.5	0.08	2.3			
REP 1307002	QC	14.3	143.6	0.02	451.2	0.008	11	0.67	0.013	0.09	0.4	3.1	0.59	0.32	411	25.5	0.09	2.2			
1307005	Soil	16.0	362.6	0.10	4103	0.021	8	0.56	0.005	0.03	0.5	4.1	0.24	0.08	774	22.0	0.18	2.4			
REP 1307005	QC	16.7	385.1	0.10	4030	0.022	8	0.60	0.005	0.04	0.5	4.0	0.19	0.08	795	21.3	0.17	2.5			
1307011	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.		8.63	38.86	
REP 1307011	QC																		8.96	39.71	
1307038	Soil	3.5	68.4	0.05	134.1	0.003	8	0.48	0.022	0.24	<0.1	4.0	1.44	0.80	155	4.8	0.06	3.9			
REP 1307038	QC	3.5	70.3	0.05	138.9	0.003	8	0.47	0.022	0.24	<0.1	4.0	1.53	0.79	170	5.1	0.11	4.0			
1307041	Soil	1.0	4.8	0.02	376.3	0.001	8	0.21	0.013	0.17	<0.1	1.1	2.45	0.37	134	3.3	0.10	1.0			
REP 1307041	QC	1.1	4.7	0.02	364.1	0.001	9	0.22	0.012	0.17	<0.1	1.1	2.34	0.36	118	2.9	0.12	0.9			
1307074	Soil	8.5	41.5	0.20	679.4	0.007	3	1.26	0.006	0.05	0.1	2.7	0.52	0.05	149	2.6	0.11	4.1			
REP 1307074	QC	8.3	39.6	0.20	666.7	0.007	3	1.27	0.006	0.06	0.1	2.6	0.51	0.05	138	2.6	0.05	3.9			
1307077	Soil	7.4	24.2	0.17	403.7	0.006	2	1.13	0.008	0.07	<0.1	2.5	0.29	0.05	125	1.1	0.03	3.9			
REP 1307077	QC	7.3	25.1	0.17	409.7	0.006	3	1.11	0.007	0.07	<0.1	2.7	0.31	0.05	121	1.1	0.03	3.9			
1306211	Soil	45.0	1511	0.03	>10000	0.069	30	1.38	0.006	0.09	1.8	11.2	1.78	0.10	2252	81.7	0.34	8.5	84		
REP 1306211	QC																		86		
1306221	Soil	6.7	782.9	0.08	217.6	0.010	9	0.81	0.007	0.19	0.4	4.8	0.53	0.48	329	25.3	0.12	16.5			
REP 1306221	QC	6.9	817.8	0.09	213.5	0.011	10	0.83	0.007	0.19	0.3	4.9	0.56	0.49	344	28.0	0.15	17.1			
1306224	Soil	8.4	59.9	0.23	1681	0.020	3	1.63	0.005	0.07	0.2	2.4	0.31	0.08	29	3.0	0.12	5.6			
REP 1306224	QC	8.4	58.7	0.23	1675	0.020	2	1.63	0.005	0.07	0.2	2.4	0.30	0.08	32	2.9	0.11	5.7			
1307105	Soil	2.3	34.5	0.08	1294	0.003	13	0.33	0.007	0.03	<0.1	2.6	0.20	0.22	137	5.8	0.06	0.9			
REP 1307105	QC	2.5	37.0	0.09	1278	0.003	12	0.36	0.007	0.04	<0.1	2.7	0.23	0.22	122	5.4	0.04	1.0			
1307108	Soil	5.6	86.8	0.30	867.1	0.006	16	0.60	0.011	0.09	0.2	3.3	0.46	0.22	186	11.6	0.05	2.4			
REP 1307108	QC	5.2	83.0	0.30	785.2	0.006	14	0.57	0.011	0.08	0.2	3.3	0.45	0.22	189	11.4	0.05	2.3			
1298177	Soil	4.4	9.5	0.04	161.5	0.025	1	0.95	0.015	0.03	<0.1	0.9	0.08	0.03	46	0.4	0.03	3.8			
REP 1298177	QC	4.5	9.8	0.04	161.9	0.027	1	0.93	0.015	0.03	<0.1	0.9	0.08	0.03	48	0.5	0.02	4.2			
1298180	Soil	5.6	32.6	0.12	332.7	0.016	3	1.36	0.007	0.06	0.1	2.0	0.24	0.04	86	4.2	0.24	6.6			
REP 1298180	QC	5.7	32.1	0.12	334.6	0.016	3	1.37	0.008	0.06	0.1	2.1	0.23	0.04	88	4.2	0.22	6.5			



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Project: FACE  
 Report Date: August 08, 2013

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# QUALITY CONTROL REPORT

WHI13000116.2

Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	
Unit	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	
MDL	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	
Pulp Duplicates																					
1307002	Soil																				
REP 1307002	QC																				
1307005	Soil																				
REP 1307005	QC																				
1307011	Soil	6.42	185.0	10288	34.2	0.7	16	0.40	<0.1	5.8	3.2	<0.1	137.2	6.82	3.37	0.57	83	0.43	0.125	6.2	120.7
REP 1307011	QC	6.10	195.1	10824	35.5	0.7	22	0.43	<0.1	6.2	2.6	<0.1	136.4	6.83	3.45	0.25	87	0.47	0.125	6.4	123.8
1307038	Soil																				
REP 1307038	QC																				
1307041	Soil																				
REP 1307041	QC																				
1307074	Soil																				
REP 1307074	QC																				
1307077	Soil																				
REP 1307077	QC																				
1306211	Soil																				
REP 1306211	QC																				
1306221	Soil																				
REP 1306221	QC																				
1306224	Soil																				
REP 1306224	QC																				
1307105	Soil																				
REP 1307105	QC																				
1307108	Soil																				
REP 1307108	QC																				
1298177	Soil																				
REP 1298177	QC																				
1298180	Soil																				
REP 1298180	QC																				

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.



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Project: FACE  
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# QUALITY CONTROL REPORT

WHI13000116.2

Method		1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte		Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
MDL		0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																
1307002	Soil															
REP 1307002	QC															
1307005	Soil															
REP 1307005	QC															
1307011	Soil	0.03	2242	0.009	<20	0.34	0.008	0.02	<0.1	1.2	0.16	0.15	371	14.2	0.06	1.1
REP 1307011	QC	0.03	1857	0.009	<20	0.35	0.008	0.02	0.1	1.1	0.15	0.15	361	15.8	0.08	1.0
1307038	Soil															
REP 1307038	QC															
1307041	Soil															
REP 1307041	QC															
1307074	Soil															
REP 1307074	QC															
1307077	Soil															
REP 1307077	QC															
1306211	Soil															
REP 1306211	QC															
1306221	Soil															
REP 1306221	QC															
1306224	Soil															
REP 1306224	QC															
1307105	Soil															
REP 1307105	QC															
1307108	Soil															
REP 1307108	QC															
1298177	Soil															
REP 1298177	QC															
1298180	Soil															
REP 1298180	QC															

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# QUALITY CONTROL REPORT

WHI13000116.2

		1F15 Mo ppm 0.01	1F15 Cu ppm 0.01	1F15 Pb ppm 0.01	1F15 Zn ppm 0.1	1F15 Ag ppb 2	1F15 Ni ppm 0.1	1F15 Co ppm 0.1	1F15 Mn ppm 1	1F15 Fe % 0.01	1F15 As ppm 0.1	1F15 U ppm 0.1	1F15 Au ppb 0.2	1F15 Th ppm 0.1	1F15 Sr ppm 0.5	1F15 Cd ppm 0.01	1F15 Sb ppm 0.02	1F15 Bi ppm 0.02	1F15 V ppm 2	1F15 Ca % 0.01	1F15 P % 0.001
1306331	Soil	4.81	12.76	11.93	15.1	2168	4.6	0.5	41	1.59	9.3	0.7	5.7	0.5	24.0	0.11	1.05	0.31	48	0.06	0.021
REP 1306331	QC	4.82	12.17	11.84	14.6	2182	4.9	0.5	40	1.60	9.5	0.7	5.4	0.5	24.5	0.10	1.07	0.26	49	0.06	0.021
1306334	Soil	3.23	20.56	23.42	33.1	3763	11.0	2.7	71	2.15	7.9	1.1	11.1	0.9	63.3	0.15	1.08	0.40	53	0.05	0.028
REP 1306334	QC	3.18	19.69	23.54	35.6	3640	10.1	2.4	73	2.13	8.0	1.1	9.5	0.9	61.7	0.15	1.06	0.39	51	0.05	0.026
1349059	Soil	44.71	78.38	11.08	490.2	11338	104.7	4.7	72	4.99	32.3	6.7	3.3	1.8	210.6	2.90	4.25	0.15	246	0.81	0.240
REP 1349059	QC	43.62	79.13	10.88	457.8	11426	105.8	4.8	70	4.96	31.8	6.7	3.8	1.8	215.6	2.89	4.24	0.14	245	0.82	0.243
1349160	Soil	24.36	107.7	6.27	168.9	7371	57.6	1.1	23	3.40	28.0	9.9	3.1	0.9	137.0	2.73	2.17	0.14	159	0.25	0.153
REP 1349160	QC	24.31	108.9	6.37	165.0	7476	58.8	1.1	22	3.40	28.5	10.0	4.0	0.9	131.1	2.82	2.14	0.12	158	0.25	0.152
1349151	Soil	0.59	35.42	24.85	30.5	805	7.5	1.3	13	3.48	5.9	0.6	24.1	0.7	15.8	<0.01	1.58	0.68	34	<0.01	0.025
REP 1349151	QC	0.61	36.67	25.07	31.6	758	8.0	1.3	13	3.55	6.2	0.6	25.1	0.7	18.8	0.01	1.53	0.65	36	<0.01	0.025
Reference Materials																					
STD AGPROOF	Standard																				
STD CDN-ME-6	Standard																				
STD DS9	Standard	14.96	101.2	128.0	302.9	1823	41.3	7.5	647	2.52	23.0	2.4	112.6	5.9	67.2	1.99	5.07	5.32	43	0.73	0.082
STD DS9	Standard	15.07	103.3	127.9	309.7	1825	42.4	7.9	644	2.50	23.0	2.2	109.9	5.9	71.3	1.94	4.83	5.21	43	0.76	0.083
STD DS9	Standard	14.60	114.2	118.0	312.6	1730	40.8	8.3	617	2.54	24.0	2.7	124.1	6.7	63.1	2.19	5.17	5.89	43	0.75	0.077
STD DS9	Standard	15.19	117.7	132.3	309.6	1921	41.1	8.0	610	2.56	25.0	3.0	114.1	7.6	72.6	2.26	5.59	5.92	43	0.77	0.077
STD DS9	Standard	15.20	101.9	136.0	315.3	1839	41.8	7.7	660	2.52	23.1	2.4	122.4	6.0	72.1	1.98	5.00	5.35	42	0.75	0.081
STD DS9	Standard	13.74	113.2	124.7	316.8	1807	40.8	7.8	621	2.51	23.9	2.8	113.8	7.2	68.6	2.33	5.82	6.46	42	0.76	0.076
STD DS9	Standard	12.72	109.4	115.4	289.7	1709	37.3	7.3	581	2.39	23.0	2.5	114.6	6.3	62.4	2.19	5.30	5.73	39	0.66	0.071
STD DS9	Standard	15.45	116.0	131.1	309.8	1889	42.0	7.9	620	2.52	25.3	3.0	106.0	7.8	70.9	2.32	5.50	5.93	42	0.76	0.077
STD DS9	Standard	12.96	110.8	138.2	327.3	1819	37.6	7.5	626	2.49	26.4	3.0	117.5	7.0	69.8	2.54	6.21	7.01	41	0.69	0.082
STD DS9	Standard																				
STD OREAS45EA	Standard																				
STD SP49	Standard																				
STD SP49 Expected																					
STD AGPROOF Expected																					
STD CDN-ME-6 Expected																					
STD DS9 Expected		12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819





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Project: FACE  
 Report Date: August 08, 2013

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# QUALITY CONTROL REPORT

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		1F15 La ppm	1F15 Cr ppm	1F15 Mg %	1F15 Ba ppm	1F15 Ti %	1F15 B ppm	1F15 Al %	1F15 Na %	1F15 K %	1F15 W ppm	1F15 Sc ppm	1F15 Ti ppm	1F15 S %	1F15 Hg ppb	1F15 Se ppm	1F15 Te ppm	1F15 Ga ppm	G6Gr Ag gm/t	1F Mo ppm	1F Cu ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	50	0.01	0.01
1306331	Soil	1.4	15.0	0.03	562.8	0.002	9	0.30	0.010	0.15	<0.1	1.0	0.18	0.36	67	6.0	0.10	1.5			
REP 1306331	QC	1.5	15.5	0.03	566.9	0.003	8	0.30	0.010	0.15	<0.1	0.8	0.18	0.36	75	5.9	0.12	1.4			
1306334	Soil	3.4	22.6	0.07	395.2	0.006	6	0.69	0.015	0.17	<0.1	1.8	0.27	0.44	118	6.2	0.10	2.2			
REP 1306334	QC	3.2	22.1	0.06	422.4	0.006	6	0.68	0.014	0.17	<0.1	1.9	0.25	0.43	118	6.4	0.10	2.2			
1349059	Soil	6.6	159.6	0.18	103.4	0.017	11	0.84	0.022	0.22	0.4	5.4	0.83	0.80	304	25.5	0.20	3.7			
REP 1349059	QC	6.6	155.5	0.17	123.4	0.017	12	0.83	0.022	0.21	0.4	5.5	0.87	0.79	299	25.4	0.17	3.7			
1349160	Soil	5.6	171.1	0.05	177.6	0.004	18	0.64	0.013	0.13	0.2	4.0	0.52	0.52	282	18.4	0.07	3.5			
REP 1349160	QC	5.3	171.7	0.04	129.2	0.004	17	0.63	0.013	0.13	0.2	4.0	0.52	0.52	296	19.2	0.08	3.5			
1349151	Soil	1.1	10.8	0.02	1251	<0.001	5	0.30	0.001	0.06	0.2	4.5	0.17	0.06	284	3.0	1.31	1.6			
REP 1349151	QC	1.4	11.4	0.02	1415	<0.001	6	0.33	0.001	0.07	0.2	4.6	0.18	0.06	288	3.1	1.24	1.6			
Reference Materials																					
STD AGPROOF	Standard																		94		
STD CDN-ME-6	Standard																		91		
STD DS9	Standard	14.8	121.0	0.62	281.6	0.124	3	0.96	0.098	0.43	2.9	3.0	5.46	0.17	198	5.3	5.02	4.9			
STD DS9	Standard	15.3	130.9	0.63	257.1	0.132	3	1.01	0.092	0.45	3.2	2.9	5.25	0.16	201	5.6	5.17	4.9			
STD DS9	Standard	17.4	119.7	0.64	287.5	0.130	2	0.97	0.097	0.42	3.0	2.6	4.97	0.17	175	5.6	5.19	4.7			
STD DS9	Standard	18.2	124.5	0.63	280.6	0.136	4	1.05	0.099	0.46	3.0	2.8	5.31	0.17	193	5.4	4.85	4.9			
STD DS9	Standard	15.3	127.5	0.63	256.5	0.129	3	1.00	0.091	0.44	3.1	2.9	5.68	0.15	226	5.4	5.13	5.0			
STD DS9	Standard	17.6	118.4	0.64	283.1	0.125	2	0.99	0.099	0.44	3.3	2.7	5.27	0.16	188	5.0	5.38	4.6			
STD DS9	Standard	13.3	112.9	0.58	262.8	0.105	3	0.87	0.089	0.41	2.7	2.0	4.89	0.16	188	4.6	4.80	4.1			
STD DS9	Standard	18.7	118.5	0.63	275.6	0.131	4	1.07	0.098	0.40	3.2	2.8	5.30	0.17	209	5.1	5.30	4.7			
STD DS9	Standard	14.6	115.1	0.62	288.2	0.119	3	0.90	0.089	0.42	3.4	2.3	5.44	0.17	201	5.4	4.99	4.9			
STD DS9	Standard																		12.98	112.8	
STD OREAS45EA	Standard																		1.26	674.5	
STD SP49	Standard																		53		
STD SP49 Expected																			60.2		
STD AGPROOF Expected																			94		
STD CDN-ME-6 Expected																			101		
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59	12.84	108	



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## QUALITY CONTROL REPORT

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		1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F		
		Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	
		ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	
		0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001	0.5	0.5	
1306331	Soil																					
REP 1306331	QC																					
1306334	Soil																					
REP 1306334	QC																					
1349059	Soil																					
REP 1349059	QC																					
1349160	Soil																					
REP 1349160	QC																					
1349151	Soil																					
REP 1349151	QC																					
Reference Materials																						
STD AGPROOF	Standard																					
STD CDN-ME-6	Standard																					
STD DS9	Standard																					
STD DS9	Standard																					
STD DS9	Standard																					
STD DS9	Standard																					
STD DS9	Standard																					
STD DS9	Standard																					
STD DS9	Standard																					
STD DS9	Standard																					
STD DS9	Standard	136.6	315.6	1592	39.0	7.7	597	2.39	24.9	2.7	106.6	6.2	74.8	2.51	4.33	6.00	40	0.74	0.083	13.8	118.9	
STD OREAS45EA	Standard	12.19	25.1	242	382.4	43.9	337	21.29	8.4	1.5	48.5	8.4	3.2	0.03	0.12	0.17	304	0.03	0.025	5.9	702.2	
STD SP49	Standard																					
STD SP49 Expected																						
STD AGPROOF Expected																						
STD CDN-ME-6 Expected																						
STD DS9 Expected		126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819	13.3	121	



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## QUALITY CONTROL REPORT

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		1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F		
		Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	
		%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
		0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	
1306331	Soil																
REP 1306331	QC																
1306334	Soil																
REP 1306334	QC																
1349059	Soil																
REP 1349059	QC																
1349160	Soil																
REP 1349160	QC																
1349151	Soil																
REP 1349151	QC																
Reference Materials																	
STD AGPROOF	Standard																
STD CDN-ME-6	Standard																
STD DS9	Standard																
STD DS9	Standard																
STD DS9	Standard																
STD DS9	Standard																
STD DS9	Standard																
STD DS9	Standard																
STD DS9	Standard																
STD DS9	Standard																
STD DS9	Standard																
STD DS9	Standard	0.63	304.1	0.115	<20	0.98	0.084	0.40	2.7	2.3	5.30	0.17	214	5.2	5.08	4.6	
STD OREAS45EA	Standard	0.09	116.1	0.076	<20	3.18	0.014	0.05	<0.1	67.2	<0.02	0.03	8	1.0	0.05	11.1	
STD SP49	Standard																
STD SP49 Expected																	
STD AGPROOF Expected																	
STD CDN-ME-6 Expected																	
STD DS9 Expected		0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	2.5	5.3	0.1615	200	5.2	5.02	4.59	

**QUALITY CONTROL REPORT**

**WHI13000116.2**

		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
STD OREAS45EA Expected																					
BLK	Blank	<0.01	0.04	<0.01	0.2	6	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.03	<0.01	<0.1	6	<0.1	<0.1	<1	<0.01	0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	0.01	<0.01	<0.01	<0.1	12	<0.1	<0.1	<1	<0.01	0.3	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	6	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.04	<0.01	0.2	6	<0.1	<0.1	<1	<0.01	0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	0.04	<0.01	0.2	3	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.01	<0.1	3	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	0.02	<2	<0.01	<0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				

**QUALITY CONTROL REPORT**

**WHI13000116.2**

		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	G6Gr	1F	1F	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Ag	Mo	Cu
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	gm/t	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	50	0.01	0.01
STD OREAS45EA Expected																				1.78	709
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1			
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1			
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1			
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1			
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	6	<0.1	<0.02	<0.1			
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	6	<0.1	<0.02	<0.1			
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1			
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	5	<0.1	<0.02	<0.1			
BLK	Blank																	<50			
BLK	Blank																	<50			
BLK	Blank																	<50			
BLK	Blank																			<0.01	0.08





## **APPENDIX B**

Rock Sample Locations

And

Analytical Results



Sample No.	UTM	Easting	Northing	Elevation	Certificate	Description	Sample Date	Ag (ppb)	As (ppm)	Au (ppb)	Ba (ppm)	Cr (ppm)	Cu (ppm)	Hg (ppb)	Mn (ppm)	Mo (ppm)	Ni (ppm)	Pb (ppm)	Sb (ppm)	Tl (ppm)	Zn (ppm)
1298401	UTM83-7	517309	7186391	824	WHI13000114	Black Shalely siltstone	07/06/2013	1514	4.9	0.1	1875.3	69.1	13.54	56	85	5.64	28.4	1.88	1.59	0.03	148.6
1298402	UTM83-7	517321	7186130	873	WHI13000114	"Black shaley siltstone	07/07/2013	1876	2.7	0.6	10000	78.2	14.2	45	20	8.02	48.6	1.22	1.11	0.03	109.6
1298403	UTM83-7	517321	7186130	873	WHI13000114	"Black shaley siltstone	07/07/2013	2437	3	0.1	4308.5	78.8	19.76	65	30	11.95	51.4	1.8	1.43	0.03	157.9
1302035	UTM83-7	518281	7188511	550	WHI12000415		15/07/2012	1835	6.9	0.1	48.4	198.4	58.89	57	25	34.53	64.2	5.98	4.08	1.05	151.2
1302036	UTM83-7	518310	7186944	848	WHI12000415		16/07/2012	346	7.6	0.1	1801.8	20.8	7.66	15	68	1.21	13.6	2.79	0.58	0.08	62.6
1302037	UTM83-7	518310	7186944	848	WHI12000415		16/07/2012	124	4.2	0.1	2368.1	14.8	2.37	2.5	58	0.37	3.7	1.23	0.25	0.04	24.5
1302038	UTM83-7	518310	7186944	848	WHI12000415		16/07/2012	78	1.8	0.1	1807.7	5.5	1.06	2.5	90	0.13	2.5	0.57	0.15	0.01	13.2
1349001	UTM83-7	517216	7186809	817	WHI13000114	Black (graphitic) shale unit found in auger hole at the location of the highest Ag value in soil from 2012	07/04/2013	73000	175.6	3.5	8399.6	1202.5	240.64	1102	7	115.11	53.6	10.93	15.16	0.41	60.5
1349002	UTM83-7	517215	7186775	822	WHI13000114	"Black graphitic f.g. shale	07/04/2013	33000	36.8	2.7	481.2	246.8	45.55	1096	5	24.4	30.6	7.29	1.77	0.06	17.2
1349003	UTM83-7	517188	7186549	866	WHI13000114	M.g. grey limestone unit with crosscutting calcite veins. 10m long subcrop trending 131 degrees. Fizzes strongly with acid.	07/04/2013	815	1.4	1.4	2639.7	59.9	4.36	19	23	2.81	10.3	0.32	0.41	0.04	31.5
1349004	UTM83-7	516986	7186484	880	WHI13000114	Laminated silty limestone at soil sample - GP2012 038	07/04/2013	2998	5.3	2.4	10000	50	14.23	54	76	2.15	29.5	1.28	0.72	0.01	92
1349005	UTM83-7	516877	7186935	804	WHI13000114	Moderately graphitic black shale near soil sample GP2012 042	07/04/2013	67000	64.2	2.3	248.2	1015.9	141.99	1001	4	65.57	66.9	8.38	7.15	0.3	119.9
1349006	UTM83-7	517235	7187319	791	WHI13000114	<b>Coaly' black shale near 2012 sample 1301390. 0.5m deep hole. Sample selected for SEM study.</b>	07/05/2013	71000	42.2	6.7	161.5	566.5	366.34	1187	7	43.3	75.5	7.35	2.78	0.35	72.2
1349007	UTM83-7	517210	7187388	793	WHI13000114	Lime siltstone. Weathers red and blocky. Weakly fetid.	07/05/2013	3035	4.1	0.1	10000	50.7	8.44	36	25	2.84	37	0.45	0.45	0.09	155.8
1349008	UTM83-7	517204	7187423	793	WHI13000114	F.g. black moderately graphitic shale at 2012 sample 1301391	07/05/2013	7878	14.2	4.9	4628.2	163.6	64.49	661	18	11.54	91.8	9.51	4.55	0.78	712.3
1349009	UTM83-7	517205	7187480	794	WHI13000114	F.g. coaly black shale with minor (1 identified) veinlets.	07/05/2013	16000	46	5.9	9374	320.5	233.42	510	22	27.9	120.6	4.96	2.51	1.29	1143
1349010	UTM83-7	517221	7187528	789	WHI13000114	Rock fragments of coaly black shale in a (sludgy) hole at 2012 sample 1349010.	07/05/2013	15000	97.6	2.5	1741.8	255.7	290.56	1062	58	147.97	198.6	9.95	37.96	7	1251.4
1349011	UTM83-7	517221	7187587	797	WHI13000114	0.7m hole with rock fragments of coaly black shale.	07/05/2013	42000	37	3.4	531.7	279	204.26	804	26	56.43	116.9	10.55	9.3	1.53	672.1
1349012	UTM83-7	517248	7187634	805	WHI13000114	<b>Rock fragments of coaly black shale in 0.6m hole at 2012 sample 1301393. Sample selected for SEM study</b>	07/05/2013	44000	29.4	9.4	6249	669.6	182.04	751	5	44.43	107.2	9.67	4.42	1.37	696.5
1349013	UTM83-7	517211	7187644	805	WHI13000114	Composite rock sample with weak Fe-ox quartz veining within black shale unit. Weathered cubic pits observed.	07/05/2013	1974	51.1	1.6	61.6	131.4	62.17	197	25	26.58	7	6.31	1.11	0.72	36.8
1349014	UTM83-7	517167	7187835	848	WHI13000114	Shaley Argillite with dark red/orange oxidised patches. More resistant unit.	07/05/2013	1316	0.4	0.8	408.7	22	25.37	135	19	3.09	2.1	5.88	0.41	0.07	4.8
1349015	UTM83-7	517088	7187753	835	WHI13000114	Shaley argillite with multiple quartz veins. Open space filling veins with crystalline quartz. Yellow/red oxidation. Some veins look like tension gashes.	07/05/2013	1160	10.6	2.1	426.4	13.6	7.16	62	26	0.88	2.5	3.29	0.23	0.08	4.2
1349016	UTM83-7	517676	7187554	735	WHI13000114	"Irregular quartz crosscutting a shaley argillite	07/05/2013	906	1.6	1.1	909.9	9.4	5.68	54	22	0.9	1.4	3.9	0.23	0.1	1.4
1349017	UTM83-7	517835	7187430	636	WHI13000114	F.g. black shale with disseminated f.g. pyrite	07/05/2013	2834	17.4	0.1	49.3	79.9	96.42	344	19	22.82	116.3	6.66	1.87	0.05	33.7
1349018	UTM83-7	517253	7187156	814	WHI13000115	Coaly black shale. 0.5m deep.	07/06/2013	19000	45.6	5.1	819.5	213.7	274.65	602	8	24.7	70.9	9.09	2.56	0.49	1623.1
1349019	UTM83-7	517263	7187113	819	WHI13000115	"Black shale	07/06/2013	14000	52	0.1	1655.1	175.8	101.87	242	60	16.76	480.4	7.96	7.4	0.09	2083.1
1349020	UTM83-7	517260	7187054	820	WHI13000115	Black shale - sandy texture. Frozen at 0.6 - 0.7 m.	07/06/2013	15000	31.5	2.1	1945.4	179.1	93.51	322	38	16.82	251.4	7.72	5.46	0.12	779.2
1349021	UTM83-7	517251	7187011	829	WHI13000115	"Black shale	07/06/2013	7597	54.2	1.1	1172.7	188.5	98.51	309	7	10.62	99	6.49	2.75	0.17	314.7
1349022	UTM83-7	517246	7186969	834	WHI13000115	Black shale with both quartz and calcite veinlets (small and minor). Frozen at 0.7m	07/06/2013	16000	34.8	2.4	2038.4	147.8	126.6	297	26	20.49	231.8	6.96	6.05	0.76	1674
1349023	UTM83-7	517226	7186916	824	WHI13000115	"Coaly black shale	07/06/2013	71000	80.3	1.7	717	268.5	95.91	733	4	96.62	59.4	7.4	10.26	0.36	49.3
1349024	UTM83-7	517237	7186861	824	WHI13000115	Coaly black shale. 0.75m deep.	07/06/2013	34000	187.6	2.1	2108.8	451.2	1715.85	958	78	87.77	506.5	7.07	18.92	1.29	1048.9
1349025	UTM83-7	517216	7186809		WHI13000115	<b>Black shale. Pit dug at GP2012 035. Sample selected for SEM study.</b>	07/06/2013	66000	230.3	0.5	8244.9	1074	142.31	1221	6	94.88	54.9	9.84	13.28	0.29	69.3
1349027	UTM83-7	517204	7186726	818	WHI13000115	Black shale (NOT coaly).	07/06/2013	27000	31.3	0.1	1194.2	271.4	38.71	589	13	22.77	67.2	6.36	2.43	0.07	70.4
1349028	UTM83-7	517208	7186651	835	WHI13000115	North facing slope. Black shale (NOT coaly). Soggy 0.5m deep.	07/06/2013	62000	94.3	0.1	1316	637.4	161.4	1055	6	59.11	51.2	7.35	7.14	0.26	111.4
1349029	UTM83-7	516964	7185991	1073	WHI13000115	"Subcrop of c.g. bioclastic limestone with dark clasts (black shale?)	07/06/2013	666	6.7	0.4	758.6	24.9	7.11	31	38	1.56	10	2.6	0.52	0.12	39

Sample No.	UTM	Easting	Northing	Elevation	Certificate	Description	Sample Date	Ag (ppb)	As (ppm)	Au (ppb)	Ba (ppm)	Cr (ppm)	Cu (ppm)	Hg (ppb)	Mn (ppm)	Mo (ppm)	Ni (ppm)	Pb (ppm)	Sb (ppm)	Tl (ppm)	Zn (ppm)
1349030	UTM83-7	517447	7186311	789	WHI13000115	F.g. black shale. Fault observed. Flat foliation transitions into a steep foliation	07/06/2013	2981	10.5	1.1	870	41.8	30.45	332	13	18.48	10.7	7.33	1.24	0.09	152.5
1349031	UTM83-7	517447	7186358	800	WHI13000115	"Black shale	07/07/2013	3783	129.3	0.3	154.3	96.9	53.39	433	20	26.32	19.3	9.36	1.28	0.08	190.8
1349032	UTM83-7	517447	7186410	804	WHI13000115	Complexly folded black shale. Boudinaged more competent unit along bedding.	07/07/2013	4130	44.8	1	191	85.7	63.56	408	18	22.16	36.1	7.4	1.71	0.06	258.5
1349033	UTM83-7	517443	7186421	774	WHI13000115	Black shale. Steep foliation with boudinaged more competent layers preserved. Fe-ox sections along foliation surfaces.	07/07/2013	2581	26.4	0.1	203.6	60.2	57.5	455	14	20	25.9	7.85	1.46	0.08	117.1
1349034	UTM83-7	517446	7186539	769	WHI13000115	Shaley argillite with disseminated f.g. pyrite and rare lenses of pyrite (~15cm x 1cm) parallel to bedding.	07/07/2013	4169	84.1	0.4	18.4	47.2	46.33	375	10	10.17	59.8	6.38	4.03	0.08	19.1
1349035	UTM83-7	517524	7186796	718	WHI13000115	"Black argillite outcrop with disseminated pyrite and minor Massive pyrite lense (30-40 cm thick) near the hinge of folded argillite.	07/07/2013	1377	4.6	1.3	92.8	27	61.23	297	33	1.76	22.7	6.33	0.62	0.07	51.6
1349036	UTM83-7	517613	7187003	748	WHI13000115	Massive pyrite lense (30-40 cm thick) near the hinge of folded argillite.	07/07/2013	1492	1.6	3.2	6.5	22.5	75.94	343	293	2.37	16.3	0.58	1.28	0.14	48.6
1349040	UTM83-7	517220	7186808	822	WHI13000115	<b>Fissile black coaly shale from Trench 1_2013</b>	07/09/2013	63000	60.6	0.8	2473.9	864.7	445.49	1342	9	82.34	62	9.5	19.71	1.41	176.8
1349041	UTM83-7	517207	7186919	816	WHI13000115	<b>Representative rock sample from Trench 2_2013. Grey/coaly fissile black shale with minor calcite veining.</b>	07/09/2013	11000	6.1	1.3	2178.6	141.2	13.95	1131	6	9.03	26.4	10.44	2.85	0.06	16.4
1349042	UTM83-7	517227	7187338	794	WHI13000115	<b>Grey coaly black shale with minor calcite veining. Trench 3</b>	07/09/2013	6650	28	0.1	6339.7	167.1	43.79	153	133	9.5	96.8	2.39	1	0.14	490.5
1349101	UTM83-7	517202	7186762	811	WHI13000115	Rock float from frost boil. Pieces of weakly graphitic black shale.	07/04/2013	24000	47	0.2	2110.6	328.8	25.73	596	6	39.22	56.1	5.04	4.79	0.01	59.5
1349102	UTM83-7	517231	7187228	808	WHI13000115	"Outhouse hole 4 foot deep. Broken grey shale Shale-siltstone with minor Fe-ox on fractures and 1mm calcite veinlets.	07/04/2013	33000	39.2	4.5	1030.9	503.3	109.45	532	11	26.79	46.9	5.06	2.46	0.38	124.8
1349103	UTM83-7	517248	7187215	810	WHI13000115	"Small 10x10m Fe-ox patch with qtz	07/05/2013	3654	7.6	0.8	10000	53.5	24.54	74	56	6.09	43.6	0.79	0.86	0.32	411.1
1349104	UTM83-7	517636	7187526	749	WHI13000115	Grey shale +/- clastic bands.	07/06/2013	1577	4.4	2	335.3	17	7.03	110	23	0.68	3	5.48	0.31	0.11	7.4
1349105	UTM83-7	516976	7186048	1060	WHI13000115	"Grey weathering grey shale	07/06/2013	231	2.6	0.1	2910.5	11.9	4.78	21	58	0.53	11.3	1.38	0.23	0.05	44.4
1349106	UTM83-7	516985	7185940	1077	WHI13000115	Rock grab from rusty shale.	07/06/2013	594	4.3	0.8	1179.6	15.8	18.33	77	21	5.92	9.2	4.64	0.97	0.08	29.1
1349107	UTM83-7	517330	7186416	816	WHI13000115	"Black shale	07/07/2013	58000	36.9	0.1	184.7	396.6	245.34	1044	13	44.48	133.5	7.26	3.9	0.03	470.6
1349108	UTM83-7	517452	7186374	784	WHI13000115	"Black shale	07/07/2013	3006	37.7	0.1	184.2	81.7	57.68	404	14	21.06	21.2	7.44	1.26	0.06	175.3
1349109	UTM83-7	517453	7186454	784	WHI13000115	"Grey shale-argillite	07/07/2013	506	6.6	3.1	2759.1	55.4	18.07	78	358	2.26	25.2	2.23	0.55	0.01	128.8
1349110	UTM83-7	517450	7186458	779	WHI13000115	Red Fe-ox stained angular shale at the mouth of side creek. Black angular shale with 1mm pyrite laminations and v.fine grained disseminated pyrite.	07/07/2013	2182	46.2	3.8	402.6	132.5	112.34	136	49	20.5	41.9	4.06	2.45	0.19	154.3
1349111	UTM83-7	517443	7186551	758	WHI13000115	Rusty scree - angular - likely rusty due to ground water. Pyritic argillite. Most pyrite is disseminated but also in fin fractures - remobilized during folding? Main qtz veining associated with fold hinges.	07/07/2013	2555	15.1	1.9	92.5	27.3	51.03	231	18	8.94	32.9	9.66	1.59	0.13	43.1
1349112	UTM83-7	517566	7186825	698	WHI13000115	Rock grab from shale subcrop on south bank. Unusual yellow-red oxidation/weathering. Capped by usual black shale.	07/09/2013	3326	167.7	3.2	846.4	483.6	347.65	146	99	71.61	310.9	4.64	5.07	0.25	2413.3
1349118	UTM83-7	516909	7187314	681	WHI13000115	25m long x 10m high cliff of red weathered shale with .... Patches. Grab over ~5m.	07/09/2013	8049	314.6	1.6	36.4	1556.6	155.47	310	6	35.79	40.3	4.56	3.71	1.19	137.9
1349119	UTM83-7	516676	7186600	744	WHI13000115	Brown weathered grey limey siltstone cross-cut by calcite and barite veinlets. Trace of disseminated pyrite (remnant cubes).	07/09/2013	56000	157	0.5	253.4	485.3	55.78	950	6	51.47	59	7.31	2.69	0.05	63.3
1349120	UTM83-7	516856	7186760	814	WHI13000115	Brecciated black shale with Fe-ox. Grab from scree slope.	14/07/2013	725	5.4	1.2	10000	50.3	19.36	57	213	2.72	26.2	1.78	0.29	0.02	82.3
1349508	UTM83-7	518705	7185619	755	WHI13000166	Brecciated black shale with creamy green stain.	14/07/2013	1198	19.8	0.1	132.2	15.3	12.8	125	14	8.99	2.9	7.96	1.41	0.27	6.3
1349509	UTM83-7	518448	7186008	700	WHI13000166	Brecciated black shale with creamy green stain.	14/07/2013	1771	15.3	0.1	128.3	48	15.42	229	12	4.78	5.3	7.96	0.68	0.13	12.3

## **APPENDIX C**

Soil Sample Locations  
and  
Analytical Results

Sample No.	UTM	Easting	Northing	Elevation	Certificate	Sample Date	Ag (ppb)	As (ppm)	Au (ppb)	Ba (ppm)	Cr (ppm)	Cu (ppm)	Hg (ppb)	Mn (ppm)	Mo (ppm)	Ni (ppm)	Pb (ppm)	Sb (ppm)	Tl (ppm)	Zn (ppm)
1298151	UTM83-7	517313	7186394	823	WHI13000116	07/06/2013	17686	16.6	4.9	1818.9	225	149.25	430	64	28.18	1130.4	4.77	7.52	0.99	6073.4
1298152	UTM83-7	517297	7186752	794	WHI13000116	07/06/2013	34656	11.4	5.9	2736.5	226.2	54.73	908	11	12.59	33	6.27	2	0.4	35.1
1298153	UTM83-7	517296	7187002	808	WHI13000116	07/06/2013	13086	25.3	4.3	2468.1	178.9	92.97	422	25	11.96	159.6	5.07	3.13	0.16	608.6
1298154	UTM83-7	517295	7187073	806	WHI13000116	07/06/2013	11943	9.7	4.3	2390.2	86.7	56.69	257	24	3.34	116.5	4.71	1.35	0.17	186.1
1298155	UTM83-7	517295	7187098	806	WHI13000116	07/06/2013	11695	15.4	2.5	1490.3	137.6	74.62	377	14	10.31	128.3	6.87	3.34	0.68	845.5
1298156	UTM83-7	517299	7187146	803	WHI13000116	07/06/2013	17128	32.1	4.5	4824.6	196.4	146.86	629	27	34.98	89.5	10.7	3.21	0.88	647.7
1298157	UTM83-7	517297	7187199	800	WHI13000116	07/06/2013	26564	13.1	6.7	4269.9	311.4	79.03	452	73	10.69	99.9	7.33	2.54	0.38	603.8
1298158	UTM83-7	517298	7187249	792	WHI13000116	07/06/2013	14567	5.8	4.1	2623.5	155.9	68.99	488	10	5.32	40.7	7.95	1.57	0.33	121.4
1298159	UTM83-7	517297	7187300	780	WHI13000116	07/06/2013	10248	2	4.4	1977.2	80	49.75	390	8	4.2	17.6	11.2	0.88	0.36	42.4
1298160	UTM83-7	517300	7187351	772	WHI13000116	07/06/2013	5998	16.4	4.6	804.1	94.4	70.84	361	13	13.9	20.8	6.28	0.89	0.34	71.1
1298161	UTM83-7	517296	7187398	767	WHI13000116	07/06/2013	3260	15	3.1	1869.2	55.6	53.22	298	5	11.36	18.5	6.67	0.88	0.28	66.7
1298162	UTM83-7	517296	7187557	770	WHI13000116	07/06/2013	22041	6.4	6.7	3752.9	312.3	91.35	558	9	7.14	33.3	6.64	2.37	0.61	175.9
1298163	UTM83-7	517299	7187607	776	WHI13000116	07/06/2013	11569	20.1	3.9	942.2	152.1	59.33	370	29	17.45	98.3	6.42	1.71	0.59	664.5
1298164	UTM83-7	517296	7187653	784	WHI13000116	07/06/2013	7008	16.4	7.8	1069.7	86.5	51.63	661	40	12.97	29.9	6.63	1.91	0.35	130.7
1298165	UTM83-7	517595	7186402	844	WHI13000116	07/07/2013	2476	1.4	2.6	1148.9	26.2	25.89	143	99	2.05	75.1	7.07	1.45	0.14	276.1
1298166	UTM83-7	517597	7186503	822	WHI13000116	07/07/2013	2484	3.7	2.9	1688.1	38.5	29.77	147	96	1.73	51.6	5.26	0.97	0.15	72.3
1298167	UTM83-7	517596	7186548	810	WHI13000116	07/07/2013	1585	2.7	1.4	1306.2	21.7	25.81	101	123	1.4	41.4	5.03	1.34	0.1	141.8
1298168	UTM83-7	517594	7186599	791	WHI13000116	07/07/2013	1434	3.1	1.8	1360.8	23	22.89	117	228	0.99	32.1	4.46	0.83	0.11	113.2
1298169	UTM83-7	517597	7186698	759	WHI13000116	07/07/2013	2927	2.8	1.6	451.3	30.5	16.24	244	10	8.55	12	10.77	0.56	0.23	9.7
1298170	UTM83-7	517606	7186759	745	WHI13000116	07/07/2013	4890	3.6	2.1	2123.9	61.6	35.42	218	11	4.13	26.8	5.95	1.61	0.51	62.3
1298171	UTM83-7	517604	7186793	737	WHI13000116	07/07/2013	3134	2.9	2.4	1262.4	32.4	28.31	160	118	2.73	48	4.63	1.22	0.17	150.7
1298172	UTM83-7	517596	7186852	717	WHI13000116	07/07/2013	4159	8.5	2.2	1563.9	55.3	27.69	154	91	3.65	43.5	3.81	1.42	0.33	163
1298173	UTM83-7	517593	7187001	711	WHI13000116	07/07/2013	14154	3.2	3.3	2796.7	153	47.33	436	6	4.34	24	12.41	1.24	0.57	52.5
1298174	UTM83-7	517598	7187151	713	WHI13000116	07/07/2013	2360	31.8	10.9	698.2	56.1	23.19	415	37	23.82	7	9.52	2.69	0.4	31
1298175	UTM83-7	517596	7187201	717	WHI13000116	07/07/2013	4821	30.3	5.8	92	37.6	16.33	185	51	22.36	7.9	16	3.2	0.59	37
1298176	UTM83-7	517600	7187250	721	WHI13000116	07/07/2013	2101	15.2	4.2	236.4	33.2	14.91	86	88	7.56	10.6	10.47	1.1	0.27	51.5
1298177	UTM83-7	517599	7187346	723	WHI13000116	07/07/2013	939	2.8	2	161.5	9.5	20.11	46	33	1.65	4.4	6.1	0.28	0.08	16.5
1298178	UTM83-7	517596	7187449	715	WHI13000116	07/07/2013	2256	15.9	5.8	741.4	52.1	23.09	106	111	6.98	25	9.64	1.21	0.3	98.6
1298179	UTM83-7	517600	7187511	747	WHI13000116	07/07/2013	2898	15.7	6.4	581.3	51.1	21.31	91	112	6.56	21.7	10.87	1.26	0.28	80.6
1298180	UTM83-7	517599	7187551	766	WHI13000116	07/07/2013	2859	12.7	4.6	332.7	32.6	17	86	73	5.39	12.2	13.36	1.13	0.24	51.4
1298181	UTM83-7	517600	7187601	764	WHI13000116	07/07/2013	2023	13	9.3	747.1	40.8	30.13	120	164	4.09	25	18.9	1.29	0.25	106.7
1298182	UTM83-7	517595	7187652	748	WHI13000116	07/07/2013	3469	17	8.5	303.4	43.5	23.38	145	95	6.58	14.9	14.53	1.5	0.27	60
1301131	UTM83-7	515635	7186037	811	DAW12000133	08/07/2012	1094	14.2	1.3	225.3	36.7	15.61	65	189	4.56	18.7	11.88	1.12	0.27	50.2
1301132	UTM83-7	515537	7186035	841	DAW12000133	08/07/2012	1438	17.8	6	835.1	33.7	25.11	116	70	6.51	11.8	11.33	1.1	0.34	30.9
1301225	UTM83-7	515540	7185410	868	DAW12000133	08/07/2012	227	5.3	0.7	1322.5	8.5	8.94	15	14	22.29	7.6	8.99	1.73	1.25	28.1
1301298	UTM83-7	518584	7185903	702	DAW12000161	13/07/2012	3359	37.8	5.5	189	54.7	29.32	237	103	7.37	19.3	13.21	2.37	0.52	85.2
1301299	UTM83-7	518662	7185841	731	DAW12000161	13/07/2012	412	12.1	2.9	246.6	23.4	13.45	80	115	3.84	10.8	11.1	0.87	0.17	39.2
1301300	UTM83-7	518727	7185765	748	DAW12000161	13/07/2012	1641	11.8	8.1	422.8	28.3	24.96	236	126	4.96	15.3	13.66	1.3	0.32	52.3
1301381	UTM83-7	518978	7185547	835	DAW12000161	13/07/2012	1806	16.7	5.3	564.3	40.9	29.51	100	194	5.79	28.5	14.36	1.68	0.29	75.5
1301382	UTM83-7	518968	7185443	851	DAW12000161	13/07/2012	961	19.3	2.8	280	36.5	25.99	108	315	5.93	21.8	15.2	1.62	0.3	78.9
1301390	UTM83-7	517232	7187320	793	DAW12000161	14/07/2012	51976	39.8	13.4	122.7	410.8	380.05	1154	10	29.44	77.6	9.86	2.27	1.21	178.2
1301391	UTM83-7	517203	7187422	794	DAW12000161	14/07/2012	25923	64	5.6	362.8	195.9	148.87	505	23	17.45	168.6	7.24	6.75	1.19	1325.9
1301392	UTM83-7	517218	7187526	784	DAW12000161	14/07/2012	13812	80.7	6.7	2514.5	175.2	206.89	891	33	52.9	124.4	9.31	13.89	5.29	560.5
1301393	UTM83-7	517244	7187633	797	DAW12000161	14/07/2012	43141	39.4	9.4	10000	364.4	142.43	865	76	21.72	420.4	9.21	3	1.01	3381.8
1301394	UTM83-7	517268	7187741	803	DAW12000161	14/07/2012	2824	8.1	3.8	1258	56.8	132.43	332	4	8.98	18.7	7.65	0.82	0.12	28.8
1301395	UTM83-7	517328	7187852	802	DAW12000161	14/07/2012	2390	9.7	3.6	1116.7	36.4	41.64	321	4	5.46	10.8	7.23	0.8	0.15	13.2
1301396	UTM83-7	517362	7187949	811	DAW12000161	14/07/2012	2169	12.3	2.8	634.7	40.7	38.01	151	11	6.94	10.5	7.41	0.88	0.23	14.7
1301397	UTM83-7	517283	7188020	844	DAW12000161	14/07/2012	1655	5.3	4	407.5	11.2	11.33	324	2	3.52	2.2	10.42	0.98	0.22	2.3
1301398	UTM83-7	517219	7188053	877	DAW12000161	14/07/2012	4704	20.3	4.6	367.2	69.6	30.35	100	137	6.04	31.2	14.54	1.44	0.36	70.7
1301399	UTM83-7	517174	7188152	839	DAW12000161	14/07/2012	1154	6.3	5.6	478.2	22	12.35	89	41	3.61	8.6	27.55	0.78	0.24	20.3
1301400	UTM83-7	517113	7188241	809	DAW12000161	14/07/2012	2866	10.6	1.8	697.3	35.2	57.98	101	35	19.54	22.2	26.79	8.88	0.7	68.3
1301401	UTM83-7	518822	7185724	774	DAW12000161	13/07/2012	986	4.8	2.7	228.8	17.1	15.59	223	35	1.59	5.8	7.28	0.28	0.13	15.6
1301402	UTM83-7	518913	7185679	798	DAW12000161	13/07/2012	1261	10	3.8	325.7	24.1	41.5	178	31	6.12	7	8.91	1.09	0.24	19.6
1301403	UTM83-7	518582	7185507	748	DAW12000161	13/07/2012	494	12	2.8	530.1	26.6	16.37	78	107	5.3	17	13.73	1.43	0.41	57.9
1301404	UTM83-7	518562	7185408	770	DAW12000161	13/07/2012	883	13.5	6.6	1825.3	33.6	24.25	118	200	6.51	29.8	13.97	1.95	0.57	98.8
1301428	UTM83-7	515924	7186125	745	DAW12000161	15/07/2012	2524	23.3	8.6	460.2	36.6	27.71	187	120	12.55	21.1	21.08	1.92	0.57	78.6

Sample No.	UTM	Easting	Northing	Elevation	Certificate	Sample Date	Ag (ppb)	As (ppm)	Au (ppb)	Ba (ppm)	Cr (ppm)	Cu (ppm)	Hg (ppb)	Mn (ppm)	Mo (ppm)	Ni (ppm)	Pb (ppm)	Sb (ppm)	Tl (ppm)	Zn (ppm)
1301429	UTM83-7	515990	7186050	791	DAW12000161	15/07/2012	2356	51.9	5.4	174.1	84	46.88	157	61	21.63	10.9	16.66	2.37	0.5	62.7
1301430	UTM83-7	516069	7185988	808	DAW12000161	15/07/2012	574	15	3.5	164.9	36.3	17.82	81	171	6.21	18	11.93	1.24	0.21	96.3
1301431	UTM83-7	516129	7185907	811	DAW12000161	15/07/2012	4238	28	4.5	298.5	84.3	58.37	263	110	15.46	52.2	10.22	2.28	0.32	216.6
1301432	UTM83-7	515507	7187794	1039	DAW12000161	14/07/2012	135	12.8	2.6	236.2	34.4	22	38	167	3.34	36.9	13.67	1.17	0.39	80.7
1301433	UTM83-7	515553	7187889	1024	DAW12000161	14/07/2012	205	11.2	2.6	458.2	36.7	28.49	26	269	2.89	46.3	10.53	1.09	0.25	87.1
1301434	UTM83-7	515573	7187986	1014	DAW12000161	14/07/2012	187	12	2.6	221.3	34	23.4	32	157	4.47	41.9	18.63	1.17	0.4	80.4
1301435	UTM83-7	515583	7188084	1010	DAW12000161	14/07/2012	77	11.6	2.2	176.3	34.1	19.32	42	244	2.98	45.4	12.83	1.09	0.31	99.3
1301436	UTM83-7	515590	7188210	973	DAW12000161	14/07/2012	193	10.1	2.7	198.3	19.6	54.34	85	82	3.68	78.2	59.59	1.55	0.81	328.8
1301437	UTM83-7	515539	7188301	948	DAW12000161	14/07/2012	33	9.6	1.5	85	22.6	20.28	52	100	3.55	40.9	22.56	1.18	0.34	156.8
1301448	UTM83-7	516181	7185821	819	DAW12000161	15/07/2012	1391	21.4	6.5	424.4	55	31.94	225	166	7.25	23.5	7.75	1.23	0.3	77
1301449	UTM83-7	516263	7185755	834	DAW12000161	15/07/2012	253	13.1	2.5	182.5	22.8	11.41	18	120	6.35	12.9	10.62	1.28	0.23	50.7
1301450	UTM83-7	516347	7185695	840	DAW12000161	15/07/2012	3944	65.1	5.4	131	295.7	63.47	148	12	29.29	4.4	14.06	1.49	1.29	7.9
1301454	UTM83-7	516604	7187744	670	DAW12000161	14/07/2012	297	28.8	4.3	299.2	19.6	20.52	45	207	26.33	19.7	12.79	4.07	2.05	78.1
1301455	UTM83-7	516512	7187706	718	DAW12000161	14/07/2012	326	21	4.3	427.7	52.4	32.55	67	197	8.6	45.9	8.9	2.1	0.75	112.4
1301456	UTM83-7	516411	7187707	762	DAW12000161	14/07/2012	708	25.1	1.9	343.3	38.2	24.36	47	121	19.07	24	11.65	3.36	1.79	99.5
1301457	UTM83-7	516316	7187740	790	DAW12000161	14/07/2012	1123	22	3.6	670.4	51	50.61	95	231	19.86	55.5	10.15	6.25	1.02	187.2
1301458	UTM83-7	516213	7187746	818	DAW12000161	14/07/2012	211	16.2	1.2	198.7	38.4	17.31	20	125	7.98	28.5	9.85	1.68	0.47	84
1301459	UTM83-7	516163	7187660	822	DAW12000161	14/07/2012	640	22.4	5.4	795.8	48.9	41.28	81	313	8.86	71.7	9.43	2.73	1.11	153.3
1301460	UTM83-7	516253	7187837	822	DAW12000161	14/07/2012	115	18.1	3.6	146	25.6	12.35	19	106	7.68	9.9	11.4	2.48	0.44	30.8
1301461	UTM83-7	516323	7187905	811	DAW12000161	14/07/2012	518	16.4	3.2	427.1	40.6	16.37	37	126	11.05	16.3	13.41	2.27	0.5	48.1
1301462	UTM83-7	516416	7188007	768	DAW12000161	14/07/2012	409	16	2.5	109.5	5.8	69.33	212	36	33.16	17.9	13.87	2.03	4.69	28.4
1301463	UTM83-7	516438	7188105	726	DAW12000161	14/07/2012	670	114.5	10.8	80.9	19.8	26.45	87	43	66.7	12.1	20.5	6.94	12.07	38.6
1301464	UTM83-7	516488	7188193	680	DAW12000161	14/07/2012	1169	50.1	5	135.2	44.3	255.7	215	424	23.42	480.8	7.25	6.15	1.41	1225
1301465	UTM83-7	516289	7188414	665	DAW12000161	14/07/2012	608	16.6	6.5	542.2	24.8	41.84	110	74	8.23	24.8	12.69	1.61	1	94.7
1301466	UTM83-7	516199	7188370	694	DAW12000161	14/07/2012	789	16.8	5.1	522.7	14.9	57.5	265	27	9.27	18.4	12.8	1.5	0.89	46.8
1301467	UTM83-7	516104	7188336	715	DAW12000161	14/07/2012	877	17	5.3	450.4	16.5	42.24	362	38	8.49	17.3	19.58	1.37	1.09	40
1301468	UTM83-7	516009	7188303	751	DAW12000161	14/07/2012	397	18.4	1.7	357.1	14.6	51.64	209	93	10.29	71	30.52	0.91	1.36	118.6
1301469	UTM83-7	515918	7188262	798	DAW12000161	14/07/2012	222	10.1	2.7	425.9	29.8	27.56	37	188	2.87	58	17.48	0.89	0.38	129.8
1301470	UTM83-7	515831	7188210	854	DAW12000161	14/07/2012	398	6	2.6	691	22.5	22.25	52	227	2.12	29.6	17.75	0.55	0.45	78.1
1301472	UTM83-7	515537	7187508	971	DAW12000161	14/07/2012	261	12.3	3.1	304.5	35.3	22.74	39	298	2.95	41.3	14.61	0.77	0.36	80.8
1301473	UTM83-7	515631	7187544	935	DAW12000161	14/07/2012	457	11.4	2.1	369.9	27.9	28.72	44	110	3.74	42.5	13.45	1.26	0.49	93
1301474	UTM83-7	515731	7187557	912	DAW12000161	14/07/2012	625	8.8	3.6	631.6	27.4	32.72	127	163	3.17	48.9	12.5	0.98	0.44	91.2
1301475	UTM83-7	515831	7187554	891	DAW12000161	14/07/2012	388	16	1.5	723.3	17.1	30.73	53	88	7.06	26.7	13.64	1.4	0.74	72.1
1301476	UTM83-7	515933	7187545	876	DAW12000161	14/07/2012	202	14.6	3.4	898.6	20.9	25.82	64	107	6.2	27	10.26	1.45	0.66	69.6
1301477	UTM83-7	516031	7187558	862	DAW12000161	14/07/2012	573	9.5	3	759.3	27	32.31	82	204	4	36.8	10.75	0.93	0.41	83.2
1301478	UTM83-7	516093	7187619	841	DAW12000161	14/07/2012	911	15.4	5	1066.4	29.1	41.04	156	185	5.61	53.6	16.18	1.17	0.77	112.6
1301479	UTM83-7	515841	7186074	752	DAW12000161	15/07/2012	869	13.5	5.5	946.2	27.2	34.97	91	197	3.7	29.3	11.48	1.61	0.4	83
1301480	UTM83-7	515859	7185976	793	DAW12000161	15/07/2012	4475	15.8	26	56.3	45.7	175.86	672	279	2.69	71.1	23.92	1.66	0.38	187.6
1301481	UTM83-7	515871	7185877	825	DAW12000161	15/07/2012	763	38.9	6	321.2	59	58.4	98	227	5.86	32.5	11.86	1	0.33	100.1
1301482	UTM83-7	515891	7185779	849	DAW12000161	15/07/2012	823	12.5	1.6	182.9	26	13.09	54	142	3.3	14	12.17	0.72	0.24	55.4
1301483	UTM83-7	515943	7185694	858	DAW12000161	15/07/2012	622	17.4	3	333.2	40.6	30.61	59	345	3.96	39.3	13.01	1.09	0.33	98.4
1301484	UTM83-7	516009	7185615	864	DAW12000161	15/07/2012	696	16.4	3.6	370.2	40.9	27.15	85	285	3.54	40.2	12.22	1	0.3	110.1
1301485	UTM83-7	516081	7185548	876	DAW12000161	15/07/2012	457	16.2	3.1	591.4	43.6	33.59	37	365	3.88	42	12.16	1.07	0.31	102.7
1301493	UTM83-7	516518	7188243	657	DAW12000161	14/07/2012	412	25.9	1.8	300.6	22.6	129.21	128	309	7.62	249.8	20.83	1.47	1.08	539.2
1301494	UTM83-7	516426	7188222	666	DAW12000161	14/07/2012	772	13.5	4	531.6	19.9	33.33	185	27	8.03	26.6	12.48	1.31	0.98	43.3
1301495	UTM83-7	516283	7188191	694	DAW12000161	14/07/2012	511	13.5	2.1	207.5	22.9	37.7	156	56	5.84	43.4	15.48	1.12	0.54	78.7
1301496	UTM83-7	516123	7188161	729	DAW12000161	14/07/2012	523	14.8	4.3	419.2	24.7	49.59	187	62	6.44	40.3	25.49	1.34	0.81	102.8
1301497	UTM83-7	516032	7188154	757	DAW12000162	14/07/2012	530	14.8	5.6	498.8	26.7	46.82	80	110	6.21	45.9	42.2	1.64	1.03	131.6
1301498	UTM83-7	515930	7188132	802	DAW12000162	14/07/2012	509	16.8	3.2	599.3	24.1	42.72	61	100	7.56	53.4	34.78	1.91	1.33	143.3
1301499	UTM83-7	515826	7188122	867	DAW12000162	14/07/2012	262	12.7	1.9	320.5	36.3	26.63	37	259	4.08	55.1	27.14	1.14	0.51	163.4
1301500	UTM83-7	515620	7188093	997	DAW12000162	14/07/2012	135	13.4	1.8	201.8	32	15.76	39	140	3.89	23.9	18.62	1.1	0.34	81.8
1302861	UTM83-7	515589	7186248	817	DAW12000133	08/07/2012	1094	10.3	6	1075.2	42.6	58.84	119	87	5.53	16.5	9.75	1.16	0.19	42.8
1306201	UTM83-7	517095	7187403	761	WHI13000116	07/05/2013	11395	12.7	3.7	3385.1	129.3	74.19	301	56	5.4	95.7	6.74	1.86	0.27	326.6
1306202	UTM83-7	517096	7187586	765	WHI13000116	07/05/2013	4680	32.5	11.2	1119.7	68.3	23.23	357	58	12.61	23.5	18.08	1.68	0.29	109.3
1306203	UTM83-7	517095	7187602	770	WHI13000116	07/05/2013	862	5.6	1	706.9	22.5	7.61	13	15	3.42	4.1	6.84	0.28	0.16	19.5
1306204	UTM83-7	517100	7187651	792	WHI13000116	07/05/2013	2712	17	2.7	1179.5	61.1	22.35	36	115	8.16	26.9	11.7	1.33	0.34	133.3

Sample No.	UTM	Easting	Northing	Elevation	Certificate	Sample Date	Ag (ppb)	As (ppm)	Au (ppb)	Ba (ppm)	Cr (ppm)	Cu (ppm)	Hg (ppb)	Mn (ppm)	Mo (ppm)	Ni (ppm)	Pb (ppm)	Sb (ppm)	Tl (ppm)	Zn (ppm)
1306205	UTM83-7	517197	7187653	796	WHI13000116	07/05/2013	1993	18.1	2.2	467.2	54	17.52	48	60	10.85	16.1	10.92	1.36	0.3	65.3
1306206	UTM83-7	517196	7187605	789	WHI13000116	07/05/2013	33295	40.8	5.6	356.4	181.3	100.89	538	8	52.93	17.3	12.65	2.32	0.78	41.1
1306207	UTM83-7	517198	7187551	785	WHI13000116	07/05/2013	13214	15	5.2	252.2	144.5	77.04	374	60	7.77	102.3	9.87	6.46	0.77	949
1306208	UTM83-7	517203	7187508	787	WHI13000116	07/05/2013	38525	56.8	3.7	2551.6	305	141.55	766	5	28.54	122.4	6.72	1.66	0.89	932.9
1306209	UTM83-7	517199	7187448	792	WHI13000116	07/05/2013	26188	156.4	1.4	2470.7	542.1	370.03	1985	20	194.43	515.6	9.61	74.86	7.88	4813
1306210	UTM83-7	517199	7187403	793	WHI13000116	07/05/2013	47838	9.8	2.4	1967.6	267.8	131.07	1185	2	16.17	52.5	12.7	6.68	0.98	66.2
1306211	UTM83-7	517200	7187352	788	WHI13000116	07/05/2013	84000	86.5	3.4	10000	1511.1	337.62	2252	6	67.45	31.3	12.41	7.73	1.78	89.6
1306212	UTM83-7	516900	7186365	877	WHI13000116	07/05/2013	21389	41.4	1.3	2176.5	271.4	136.02	463	58	47.81	207.8	7.57	10.61	2.53	1073.1
1306213	UTM83-7	516913	7186460	847	WHI13000116	07/05/2013	15492	27.5	2	2359.7	192.7	106.77	389	69	27.94	149.3	6.82	7.3	1.19	751.4
1306214	UTM83-7	516898	7186503	850	WHI13000116	07/05/2013	7187	17.4	1.4	1010.9	127.9	168.61	194	11	10.54	92.2	7.86	2.04	0.12	195.7
1306215	UTM83-7	516900	7186551	842	WHI13000116	07/05/2013	4218	6.2	2.3	1302.9	95.6	44.24	136	188	5.69	85.6	4.23	1.57	0.11	225.1
1306216	UTM83-7	516895	7186718	818	WHI13000116	07/05/2013	2516	19.3	3.3	77.1	88.2	43.88	572	3	22.65	7.3	9.7	2.02	0.26	9.7
1306217	UTM83-7	516898	7186751	823	WHI13000116	07/05/2013	2364	8.7	2.9	282.7	48	66.69	252	33	11.27	22.3	7.61	0.67	0.25	55.9
1306218	UTM83-7	516891	7186898	800	WHI13000116	07/05/2013	17081	22.9	1.8	3298.2	305.8	71.53	413	28	10.54	35.6	8.87	1.84	0.17	72
1306219	UTM83-7	516898	7186952	793	WHI13000116	07/05/2013	37063	28.7	4.1	162.6	682.1	98.13	692	10	12.1	67.3	6.64	3.3	0.54	243.1
1306220	UTM83-7	516898	7187001	785	WHI13000116	07/05/2013	9215	40	3.3	382.3	216.5	56.12	424	7	11.21	42	6.95	3.13	0.2	134.1
1306221	UTM83-7	516905	7187319	687	WHI13000116	07/05/2013	10315	41.9	3.6	217.6	782.9	126.69	329	37	28	98.7	5.64	3.09	0.53	355.4
1306222	UTM83-7	516903	7187401	694	WHI13000116	07/05/2013	2628	30.2	1.7	353.3	81.7	25.48	130	27	15.93	18.4	9.55	1.27	0.35	84
1306223	UTM83-7	516895	7187451	701	WHI13000116	07/05/2013	9568	3.1	7.9	237.4	59.3	157.44	175	60	35.06	51	8.62	3	0.37	146.6
1306224	UTM83-7	516897	7187499	724	WHI13000116	07/05/2013	1739	17.6	1.7	1681.3	59.9	18.47	29	158	7.78	34.8	11.57	1.4	0.31	169.1
1306225	UTM83-7	516898	7187549	743	WHI13000116	07/05/2013	1559	17.9	4.3	1032.7	58.4	22.51	37	111	7.75	31.9	11.21	1.53	0.3	130.2
1306226	UTM83-7	516900	7187602	762	WHI13000116	07/05/2013	2891	29.4	3	1545	86.2	31.15	66	139	8.77	48.6	12.87	2.07	0.45	162
1306227	UTM83-7	516897	7187653	772	WHI13000116	07/05/2013	836	3.2	0.9	760.8	20.6	12.34	16	29	8.66	7	14.71	1.79	0.5	43.7
1306228	UTM83-7	516792	7186272	880	WHI13000116	07/06/2013	5850	15	1.1	913.3	92.2	86.07	266	40	19.02	139	7.79	3.99	0.5	450
1306230	UTM83-7	516800	7186396	829	WHI13000116	07/06/2013	12973	16.3	2.8	2213.1	179.7	115.97	385	56	11.52	132.1	6.81	4.5	0.89	776.9
1306231	UTM83-7	516798	7186752	796	WHI13000116	07/06/2013	1621	9.3	1.5	411.2	37.2	20.87	111	50	18.32	19.6	8.02	1.78	0.31	55.5
1306232	UTM83-7	516799	7186800	797	WHI13000116	07/06/2013	4121	14.5	5.4	1153.2	50.7	32.52	710	15	14.07	8.3	7.4	1.34	0.25	22.7
1306233	UTM83-7	516800	7187000	786	WHI13000116	07/06/2013	8560	34.4	4	1442.6	155	136.24	485	27	17.39	223.3	8.27	3.97	0.21	862.8
1306234	UTM83-7	516796	7187053	775	WHI13000116	07/06/2013	4482	14.4	1.4	3467.6	127.3	50.12	152	94	4.02	83.5	5.45	1.72	0.08	255.7
1306235	UTM83-7	516798	7187251	728	WHI13000116	07/06/2013	6179	12.7	4.4	2919.4	83.6	42.92	301	40	4.62	26.1	8.55	1.13	0.31	131.3
1306236	UTM83-7	516799	7187303	724	WHI13000116	07/06/2013	2157	17.5	0.9	786.1	26.5	26.95	103	97	9.31	14.6	16.67	1.33	0.17	39.6
1306237	UTM83-7	516798	7187349	722	WHI13000116	07/06/2013	2682	12.4	0.9	401.5	27.6	24.83	122	49	7.22	11.4	12.64	0.98	0.16	38.9
1306238	UTM83-7	516795	7187400	699	WHI13000116	07/06/2013	4709	18	12.2	344.8	43.4	50.93	757	19	11.23	9.3	15.29	1.14	0.26	20
1306239	UTM83-7	516799	7187601	715	WHI13000116	07/06/2013	902	25.5	0.9	268.7	21.6	23.67	36	157	28.79	39.1	19.75	5.3	2.33	167.5
1306240	UTM83-7	516798	7187648	726	WHI13000116	07/06/2013	449	14.3	0.6	606.7	17.9	11.45	57	43	14.89	11.6	12.67	1.18	1.1	45.3
1306241	UTM83-7	517497	7187651	780	WHI13000116	07/06/2013	918	2.2	0.3	243.9	14.3	12.91	40	38	2.28	6.6	6.31	0.27	0.08	23.8
1306242	UTM83-7	517499	7187601	784	WHI13000116	07/06/2013	1354	12.8	0.7	256	44.9	16.59	46	134	5.39	20.7	9.81	1.03	0.21	68.1
1306243	UTM83-7	517500	7187553	764	WHI13000116	07/06/2013	1711	16.2	0.5	917.7	55.1	17.14	25	98	7.42	21.4	10.4	1.12	0.25	95.4
1306244	UTM83-7	517500	7187499	742	WHI13000116	07/06/2013	2614	20.9	5.2	945.7	57.8	21.91	108	44	9.32	19	11.77	1.18	0.28	70.2
1306245	UTM83-7	517498	7187452	730	WHI13000116	07/06/2013	3097	22.6	5.7	109.5	48.2	33.56	203	67	10.64	18.9	16.13	2	0.48	63.5
1306246	UTM83-7	517499	7187400	744	WHI13000116	07/06/2013	1193	8	1.2	474.1	25.7	17.46	56	60	5.18	13.6	14.42	0.75	0.16	35.2
1306247	UTM83-7	517501	7187349	747	WHI13000116	07/06/2013	1331	12.9	2.7	458.6	38.4	18.71	119	78	9.68	17.3	25.11	1.17	0.23	44.8
1306248	UTM83-7	517501	7187300	740	WHI13000116	07/06/2013	1272	7	2.5	414.3	21.1	19.53	58	5	4.48	6.1	4.93	0.51	0.13	11.9
1306249	UTM83-7	517499	7186852	738	WHI13000116	07/06/2013	1301	13.3	2.5	699.2	32.4	23.72	72	68	8.12	13.8	15.39	1.12	0.21	40
1306250	UTM83-7	517499	7186800	740	WHI13000116	07/06/2013	1132	50.4	1.8	252.2	30.1	15.06	58	39	41.61	9.5	15.07	2.27	0.19	27.6
1306251	UTM83-7	517500	7186752	726	WHI13000116	07/06/2013	10442	34	2.9	1035.8	180.3	111.75	320	111	19.81	119.9	9.93	4.46	0.89	657.6
1306252	UTM83-7	517463	7186311	818	WHI13000116	07/06/2013	2196	4.2	3	1702.3	39.5	32.39	128	118	1.68	50.7	5.21	1.25	0.19	154.4
1306301	UTM83-7	516597	7186305	845	WHI13000116	07/07/2013	15129	45.1	6.6	3266.7	204	48.15	873	38	27.38	48.7	12.94	3.24	1.07	163.5
1306302	UTM83-7	516599	7186349	838	WHI13000116	07/07/2013	39125	19.8	1.9	66.6	186.1	46.8	1334	3	139.61	18.1	10.06	3.82	2.98	29.4
1306303	UTM83-7	516600	7186398	828	WHI13000116	07/07/2013	15949	6.2	4	1930.8	169.8	50.11	885	18	10.96	56.3	8.22	2.64	0.53	208.4
1306304	UTM83-7	516599	7186451	817	WHI13000116	07/07/2013	51932	3.3	0.8	881	340.4	46.15	782	4	21.59	58.6	6.43	2.97	0.32	173.7
1306305	UTM83-7	516600	7186497	807	WHI13000116	07/07/2013	7690	35.6	2.5	1664	202.5	92.28	165	13	13.82	94.2	7.03	2.29	0.57	482.3
1306306	UTM83-7	516596	7186556	796	WHI13000116	07/07/2013	7879	56.1	4.5	529.4	225.2	97.1	395	30	25.17	134.3	10.08	4.15	0.39	366.3
1306307	UTM83-7	516601	7186604	784	WHI13000116	07/07/2013	2852	5.1	1.7	9602.6	80.2	69.46	85	120	6.6	89.6	3.86	1.6	0.1	370.7
1306308	UTM83-7	516599	7186650	768	WHI13000116	07/07/2013	12777	12.5	0.7	719.6	122.9	93.33	254	8	10.65	111.5	7.2	2.4	0.16	326.9
1306309	UTM83-7	516601	7186749	737	WHI13000116	07/07/2013	22587	99.6	1	465.8	501.6	351.71	491	47	82.91	877.3	10.09	13.38	5.99	4216.6



Sample No.	UTM	Easting	Northing	Elevation	Certificate	Sample Date	Ag (ppb)	As (ppm)	Au (ppb)	Ba (ppm)	Cr (ppm)	Cu (ppm)	Hg (ppb)	Mn (ppm)	Mo (ppm)	Ni (ppm)	Pb (ppm)	Sb (ppm)	Tl (ppm)	Zn (ppm)	
1306310	UTM83-7	516603	7186773	721	WHI13000116	07/07/2013	19431	47.9	3.2	136	675.3	479.38	500	32	40.13	168.3	6.07	4.47	1.13	809.9	
1306311	UTM83-7	516600	7186900	728	WHI13000116	07/07/2013	4195	3.6	2.7	1243.6	49.3	21.64	179	18	2.46	17.4	8.86	0.66	0.39	58.6	
1306312	UTM83-7	516599	7186947	721	WHI13000116	07/07/2013	4781	12.3	2.9	1709.2	73.1	36.22	227	53	5.32	24.1	6.26	1.17	0.34	126.1	
1306313	UTM83-7	516603	7187000	707	WHI13000116	07/07/2013	7895	22.1	1	1009.8	171.6	71.01	158	212	12.13	90.9	5.49	2.53	0.72	515.5	
1306314	UTM83-7	516598	7187148	709	WHI13000116	07/07/2013	4425	6.5	2.9	1789.4	44.2	28.7	286	11	6.93	10.7	6.77	0.53	0.24	16.8	
1306315	UTM83-7	516600	7187200	719	WHI13000116	07/07/2013	3116	17.7	4	491.9	66.3	17.08	117	125	11.41	31.2	11.05	1.6	0.34	147.9	
1306316	UTM83-7	516599	7187249	725	WHI13000116	07/07/2013	1184	6.2	0.6	234.2	20.1	10.68	48	79	5.41	11	14.39	0.78	0.17	46.4	
1306317	UTM83-7	516593	7187303	702	WHI13000116	07/07/2013	1132	1.6	1.4	226.2	9.9	8.44	146	35	1.62	7.2	10.05	0.21	0.08	22.9	
1306318	UTM83-7	516593	7187353	675	WHI13000116	07/07/2013	6604	21.4	15.6	47.3	65	80.41	611	171	9.81	47.3	38.99	2.02	0.61	169.5	
1306319	UTM83-7	516602	7187397	661	WHI13000116	07/07/2013	9463	21	3	533	149.4	146.87	363	42	26.17	88.2	6.25	4.2	0.86	334	
1306320	UTM83-7	516598	7187453	678	WHI13000116	07/07/2013	927	21.6	3.1	595.1	19.5	27.47	83	88	29.67	21.3	14.32	6.13	2.27	87.1	
1306321	UTM83-7	516599	7187550	685	WHI13000116	07/07/2013	2525	6.6	3.9	869.7	25.4	23.22	165	21	6.09	19.5	8.35	2.77	0.61	37.9	
1306322	UTM83-7	516598	7187651	677	WHI13000116	07/07/2013	461	19.6	3.3	363.8	19.4	17.37	30	117	25.3	44.2	18.38	3.08	0.81	262.3	
1306323	UTM83-7	517699	7186302	930	WHI13000116	07/08/2013	720	3.6	2.2	1029	26.2	13.27	75	177	1.4	18.8	5	0.58	0.12	55	
1306324	UTM83-7	517687	7186419	889	WHI13000116	07/08/2013	1745	5.5	2.4	1438.9	35.3	25.23	118	90	4.07	43.8	7.28	1.12	0.22	139.1	
1306325	UTM83-7	517699	7186544	849	WHI13000116	07/08/2013	1293	2.5	2.4	1360.6	24.3	22.12	90	95	1.14	38.9	4.91	0.76	0.11	112.5	
1306326	UTM83-7	517705	7186655	809	WHI13000116	07/08/2013	3572	3.8	1.7	1524.3	68	31.11	134	93	2.2	52.6	4.97	1.14	0.44	153.5	
1306327	UTM83-7	517701	7186852	744	WHI13000116	07/08/2013	7494	12.1	3.7	2486.6	101.6	51.41	232	50	8.49	74.5	5.94	2.34	0.87	257.8	
1306328	UTM83-7	517700	7187149	661	WHI13000116	07/08/2013	17855	45.2	3	145.7	273.8	106.43	507	47	40.58	78.2	9.07	4.68	1.6	344.4	
1306329	UTM83-7	517699	7187202	670	WHI13000116	07/08/2013	36810	63	4.2	56.4	231.9	166.02	1191	10	49.11	48.8	13.87	4.16	1.53	104.9	
1306330	UTM83-7	517698	7187399	669	WHI13000116	07/08/2013	1587	18.1	6.8	443.7	39	22.8	57	93	7.01	20.1	13.06	1.61	0.21	75.8	
1306331	UTM83-7	517699	7187457	687	WHI13000116	07/08/2013	2168	9.3	5.7	562.8	15	12.76	67	41	4.81	4.6	11.93	1.05	0.18	15.1	
1306332	UTM83-7	517700	7187502	701	WHI13000116	07/08/2013	1390	4.5	7.2	549.5	12.6	12.28	106	11	2.39	4.4	12.77	0.9	0.11	16.4	
1306333	UTM83-7	517700	7187551	709	WHI13000116	07/08/2013	1593	11.7	6.7	734.2	7.3	10.81	228	3	3.07	2.7	10.69	0.46	0.14	3.5	
1306334	UTM83-7	517697	7187602	708	WHI13000116	07/08/2013	3763	7.9	11.1	395.2	22.6	20.56	118	71	3.23	11	23.42	1.08	0.27	33.1	
1306335	UTM83-7	517699	7187652	695	WHI13000116	07/08/2013	4467	9.6	9.3	442.2	22.6	19.17	150	44	3.97	8.2	18.97	1.14	0.25	32.2	
1306337	UTM83-7	517999	7186801	817	WHI13000116	07/09/2013	1288	5.6	1.9	4338.1	34.3	22.38	72	171	1.14	27.3	6.23	0.84	0.11	119.7	
1306338	UTM83-7	518141	7186898	808	WHI13000116	07/09/2013	1938	6.4	2.3	1665	36.3	36.9	127	120	2.29	53	6.67	1.3	0.24	181.5	
1306339	UTM83-7	518209	7186969	806	WHI13000116	07/09/2013	1536	7	1.9	3318.9	35.7	24.31	104	198	2.18	37.9	12.25	1.33	0.11	109.2	
1306340	UTM83-7	518253	7187114	793	WHI13000116	07/09/2013	440	3.9	1.4	1232.4	19.6	14.24	47	77	1.31	13.5	6.98	0.49	0.06	62.3	
1306341	UTM83-7	518366	7187268	797	WHI13000116	07/09/2013	1936	9.9	2	1626.1	75.3	18.64	39	129	5.86	41.7	13.09	1.47	0.21	88.2	
1306342	UTM83-7	518589	7187659		WHI13000116		2907	18.3	3.9	415.7	33.5	15.71	97	57	10.06	11.3	28.12	1.56	0.28	37.3	
1306343	UTM83-7	518501	7187657		WHI13000116		1848	9	2.1	795.1	23.9	14.78	37	6	7.57	6.4	16.41	0.36	0.16	11.9	
1306344	UTM83-7	518442	7187724	699	WHI13000116	07/09/2013	2620	17.5	5.5	2148.2	47	35.7	220	41	10.5	12.3	8.84	1.37	0.17	46.3	
1306345	UTM83-7	518397	7187748	702	WHI13000116	07/09/2013	1777	26.4	3.7	835.7	21.8	13.38	63	14	7.78	2.3	8.98	0.97	0.2	10.7	
1306346	UTM83-7	518351	7187723	682	WHI13000116	07/09/2013	1961	16.3	6.2	324.2	30.5	30.44	243	18	10.68	6.8	10.46	0.64	0.26	14.9	
1306347	UTM83-7	518302	7187691	660	WHI13000116	07/09/2013	1877	10.3	3.1	530.3	32.8	45.45	193	8	4.66	12.2	8.59	0.63	0.23	32	
1306348	UTM83-7	518191	7187642	682	WHI13000116	07/09/2013	1724	6.4	3.5	267.4	59.2	95.17	88	3	9.27	8	7.16	0.9	0.31	11.4	
1306349	UTM83-7	517868	7187325	662	WHI13000116	07/09/2013	8919	31.7	7.3	31.1	99.6	29.55	481	29	78.17	11.5	17.6	6.36	1.83	43.4	
1306350	UTM83-7	517883	7187289	660	WHI13000116	07/09/2013	5502	23.1	2.3	1773.8	113.2	58.82	157	113	13.26	79.9	8.6	2.77	0.58	409.6	
1306391	UTM83-7	517011	7185443	890	WHI13000164	07/12/2013	1998	5.2	2.9	1533.1	38.9	33.36	107	107	0.8	46	6.7	1.51	0.18	126	
1306420	UTM83-7	518396	7185402	746	WHI13000164	13/07/2013	7648	43	7	77.8	64.6	45	277	65	19.66	5.5	42.82	2.3	1.01	24.1	
1307001	UTM83-7	517198	7187201	807	WHI13000116	07/04/2013	42410	49.9	6.5	1245.5	238.1	151.64	669	10	17.98	87.1	6.95	3.12	0.44	370.6	
1307002	UTM83-7	517199	7187152	806	WHI13000116	07/04/2013	12293	42.9	6.5	434.7	148.6	119.96	423	8	17.51	56.9	8.37	2.95	0.57	205	
1307003	UTM83-7	517204	7186918	814	WHI13000116	07/04/2013	34519	35.2	26.4	310.9	209.4	61.61	2120	32	33.44	127.3	10.82	5.29	1.03	1430.7	
1307004	UTM83-7	517199	7186749	814	WHI13000116	07/04/2013	28097	26.8	3.3	1369.8	165.5	90.47	787	34	27.11	50.3	6.86	3.26	0.49	90.9	
1307005	UTM83-7	517205	7186694	823	WHI13000116	07/04/2013	34870	15.7	1	4102.7	362.6	93.58	774	33	5.84	67.8	6.99	2.16	0.24	485	
1307006	UTM83-7	517193	7186651	832	WHI13000116	07/04/2013	26628	23.5	2.6	6418.1	394.1	101.73	677	56	11.37	200.8	9.15	3.35	1.04	2624.8	
1307007	UTM83-7	517200	7186548	853	WHI13000116	07/04/2013	9699	26	2	2476.7	180.7	101.86	332	47	15.8	232.2	5.43	3.53	0.1	814.7	
1307008	UTM83-7	517198	7186502	858	WHI13000116	07/04/2013	21674	30	0.7	725.3	192.9	135.36	440	6	18.16	103.4	6.28	3.36	0.08	336.5	
1307009	UTM83-7	517200	7186252	870	WHI13000116	07/04/2013	6386	15.4	2.9	747.7	124.4	87.23	321	52	11.46	145	6.1	3.12	0.29	422.1	
1307010	UTM83-7	517112	7186567	845	WHI13000116	07/04/2013	18829	39.5	1	1487.3	181.9	86.19	389	70	17.96	256.3	7.31	5.26	0.17	749.9	
1307011	UTM83-7	517096	7187103	766	WHI13000116	07/04/2013															
1307012	UTM83-7	517100	7187188	767	WHI13000116	07/04/2013	23170	43.8	2.4	3473.7	415.5	128.23	422	88	15.18	155.4	5.42	3.33	0.58	1135.3	
1307013	UTM83-7	517230	7187229	809	WHI13000116	07/04/2013	64019	44.4	5.8	195.8	624.3	152.21	1139	4	37.95	43.8	11.35	2.56	0.46	52.9	
1307014	UTM83-7	516994	7186501	864	WHI13000116	07/05/2013	18785	17.2	2.5	10000	170.4	96.9	288	106	11.62	144.7	5.95	2.97	0.11	495.8	

Sample No.	UTM	Easting	Northing	Elevation	Certificate	Sample Date	Ag (ppb)	As (ppm)	Au (ppb)	Ba (ppm)	Cr (ppm)	Cu (ppm)	Hg (ppb)	Mn (ppm)	Mo (ppm)	Ni (ppm)	Pb (ppm)	Sb (ppm)	Tl (ppm)	Zn (ppm)
1307015	UTM83-7	516998	7186551	854	WHI13000116	07/05/2013	16092	26.8	1.8	1457	163.8	99.5	383	35	24.7	233.3	7.88	6.89	0.16	471.6
1307016	UTM83-7	517002	7186729	797	WHI13000116	07/05/2013	2123	7.4	1.4	305	50.1	48.97	269	7	9.72	10.9	5.96	0.91	0.16	20.3
1307017	UTM83-7	517001	7186750	796	WHI13000116	07/05/2013	2378	5.5	2.7	208.3	52.2	48.94	266	3	13.08	7.3	8.26	1.31	0.19	9
1307018	UTM83-7	516995	7186803	788	WHI13000116	07/05/2013	2202	17.9	4.2	364.4	101.8	77.2	396	140	7.71	64.2	6.9	0.68	0.14	176.9
1307019	UTM83-7	516993	7186909	758	WHI13000116	07/05/2013	2210	10.1	3.3	148.9	51.3	36.74	304	8	11.14	7.9	7.77	0.9	0.18	18
1307020	UTM83-7	517007	7187306	716	WHI13000116	07/05/2013	24745	32.9	3	1490	265.8	124.03	528	109	21.59	141.8	7.29	6.81	1.05	1385.8
1307021	UTM83-7	516998	7187353	721	WHI13000116	07/05/2013	4780	11.5	1.8	271.8	52.1	29.44	156	6	17.29	11.3	7.6	1.07	0.26	66.5
1307022	UTM83-7	516999	7187396	731	WHI13000116	07/05/2013	2537	18.7	2.8	192.3	64	28.51	72	20	19.66	8.9	7.49	1.49	0.6	41
1307023	UTM83-7	516999	7187494	734	WHI13000116	07/05/2013	6432	18.4	11.2	2319.3	53.3	23.12	505	26	4.98	28.1	12.08	1.07	0.23	95.2
1307024	UTM83-7	516997	7187549	761	WHI13000116	07/05/2013	1477	4.7	1	719.3	14.5	7.07	32	82	3.55	7.1	6.43	0.52	0.1	37.3
1307025	UTM83-7	517000	7187600	789	WHI13000116	07/05/2013	2309	13.6	2.2	495.6	43.1	21.84	44	127	5.33	20.5	12.16	1.28	0.24	91.6
1307026	UTM83-7	517001	7187670		WHI13000116		2641	23	5.1	498.4	51.5	64.7	150	112	5.17	29.6	18.56	1.61	0.19	122.7
1307028	UTM83-7	516700	7186516	784	WHI13000116	07/06/2013	9263	17.9	2.8	1205.5	132.7	95.08	358	70	16.31	164.6	6.6	5.73	0.93	1287.2
1307029	UTM83-7	516701	7186749	759	WHI13000116	07/06/2013	3221	1.7	3.7	1542.7	34.8	28.21	384	15	2.89	12.5	7.36	0.67	0.26	24.4
1307030	UTM83-7	516695	7186798	756	WHI13000116	07/06/2013	2957	12.5	2	252	28.7	32.19	155	17	9.84	9.8	6.05	0.72	0.29	48.1
1307031	UTM83-7	516693	7186952	735	WHI13000116	07/06/2013	8871	17.9	2.1	826.7	129.7	67.23	179	21	15.03	77.2	6.39	2.81	0.71	282.8
1307032	UTM83-7	516701	7186993	749	WHI13000116	07/06/2013	6520	7.5	2.9	690.9	125.8	81.03	185	125	6.32	188.8	4.14	2.39	0.08	903.5
1307033	UTM83-7	516702	7187150	756	WHI13000116	07/06/2013	64688	35.6	6.1	444.3	436.5	115.57	876	65	30.45	100.7	9.38	3.37	0.64	698.8
1307034	UTM83-7	516694	7187244	745	WHI13000116	07/06/2013	2150	2.9	4.2	322.6	26	25.68	154	2	4.98	10.5	9.22	0.9	0.16	5.3
1307035	UTM83-7	516691	7187307	731	WHI13000116	07/06/2013	3803	27.2	6.3	58.9	27.2	20.02	329	12	12.79	4.8	19.52	2.03	0.63	17.8
1307036	UTM83-7	516702	7187403	707	WHI13000116	07/06/2013	827	3.2	4	361.4	12.8	17.68	99	44	2.29	8	8.87	0.45	0.07	41.9
1307037	UTM83-7	516705	7187446	687	WHI13000116	07/06/2013	4863	4.2	3.8	864.2	23.4	70.77	200	12	11.77	25	15.5	7.09	0.54	54.8
1307038	UTM83-7	516692	7187513	661	WHI13000116	07/06/2013	639	37.8	2.1	134.1	68.4	38.16	155	87	18.14	30.9	14.81	5.99	1.44	118.4
1307039	UTM83-7	516694	7187553	654	WHI13000116	07/06/2013	1271	26.7	13	458.9	22.3	30.13	481	49	32.79	25	17.99	5.25	2.35	66.2
1307040	UTM83-7	516700	7187598	661	WHI13000116	07/06/2013	386	11.8	0.5	922.2	9.4	9.32	31	40	12.09	6.8	9.68	1.25	0.79	34
1307041	UTM83-7	516703	7187660	666	WHI13000116	07/06/2013	244	16.7	4	376.3	4.8	14.98	134	26	16.12	7.3	11.95	2.39	2.45	16.7
1307042	UTM83-7	517394	7187650	778	WHI13000116	07/06/2013	1884	11.6	3.4	1671.3	43.6	44.53	308	72	5.33	21.3	11.21	1.47	0.15	69.5
1307043	UTM83-7	517398	7187601	775	WHI13000116	07/06/2013	2007	5.9	3.6	562.6	28.6	30.57	165	28	6.46	25.5	9.95	0.86	0.16	29.8
1307044	UTM83-7	517403	7187552	763	WHI13000116	07/06/2013	4945	9.4	2.5	1301.4	52.2	27.43	166	34	7.73	12.9	9.62	1.27	0.18	24.2
1307045	UTM83-7	517400	7187502	755	WHI13000116	07/06/2013	1670	4.9	1.1	360.1	23.1	6.59	26	30	2.92	4.2	8.02	0.35	0.16	19.9
1307046	UTM83-7	517400	7187448	747	WHI13000116	07/06/2013	1766	8	1.5	2381.9	50	37.26	204	6	3.75	10.1	8.94	0.43	0.18	22.7
1307047	UTM83-7	517463	7187412	743	WHI13000116	07/06/2013	1303	5.2	1.8	283.8	22.1	12.47	41	9	3.89	4.6	7.63	0.47	0.11	9.5
1307048	UTM83-7	517407	7187242	754	WHI13000116	07/06/2013	1767	16.1	0.9	962	66.6	31.32	88	12	16.44	14.3	13.82	0.97	0.36	41.8
1307049	UTM83-7	517405	7186701	752	WHI13000116	07/06/2013	7182	4.2	2.9	695	38.4	27.65	296	9	6.72	10.7	8.37	0.77	0.42	31
1307050	UTM83-7	517391	7186428	784	WHI13000116	07/06/2013	17476	13.9	2.7	2668.3	243.4	138.62	487	45	5.94	154.9	7.04	3.27	0.8	820.1
1307051	UTM83-7	516505	7186712	727	WHI13000116	07/07/2013	7719	8.5	4.1	3323.5	154.9	84.8	301	48	3.52	81.4	8.26	1.89	0.19	241.6
1307052	UTM83-7	516506	7186867	704	WHI13000116	07/07/2013	16584	43.2	1	722.6	268.7	143.77	377	70	32.14	209.1	8.31	6.18	0.85	1205.1
1307053	UTM83-7	516498	7186921	699	WHI13000116	07/07/2013	11337	20.7	2	2622.1	152.3	81.39	237	167	20.8	125.4	7.2	5.02	0.7	915
1307054	UTM83-7	516500	7186947	694	WHI13000116	07/07/2013	6564	17.6	3.7	2669.9	97.6	55.62	245	111	4.35	65.9	8.78	1.84	0.35	359.5
1307055	UTM83-7	516499	7186966	691	WHI13000116	07/07/2013	13768	35	1.9	343.6	197.7	174.45	352	131	27.68	99.1	9.02	4.57	0.85	398.7
1307056	UTM83-7	516513	7187051	680	WHI13000116	07/07/2013	8272	12.5	2.1	2425.3	129	74.29	315	90	6.04	83.6	6.72	2.31	0.61	506.4
1307057	UTM83-7	516499	7187100	682	WHI13000116	07/07/2013	2488	13.7	7.1	686.9	39.6	34.72	186	54	5.58	33.2	13.08	1.26	0.51	70.9
1307058	UTM83-7	516497	7187141	679	WHI13000116	07/07/2013	4649	12.6	6	1488.3	52.3	40.25	280	70	5.39	34.7	13.5	1.41	0.44	115.2
1307059	UTM83-7	516494	7187204	671	WHI13000116	07/07/2013	3688	17.7	5.1	1793.9	60.7	54.66	182	139	9.19	42.8	13.28	2.04	0.39	162.4
1307060	UTM83-7	516506	7187254	668	WHI13000116	07/07/2013	8300	30.5	13.9	1268.7	256.4	80.93	439	46	11.68	72.6	13.48	3.49	0.65	246
1307061	UTM83-7	516498	7187447	699	WHI13000116	07/07/2013	1456	5	2.7	485.2	26.3	18.75	110	28	2.04	14.5	8.46	1.14	0.63	31
1307062	UTM83-7	516501	7187498	708	WHI13000116	07/07/2013	1781	19.9	3.4	1253.3	47.8	42.95	74	133	13.15	50.3	11.98	3.58	0.45	182.9
1307063	UTM83-7	516498	7187549	716	WHI13000116	07/07/2013	886	20	2.8	798.7	47.9	38.28	49	105	17.4	38	12.89	4.7	0.51	136.1
1307064	UTM83-7	516495	7187597	721	WHI13000116	07/07/2013	3402	18.4	5.7	1423.6	50.1	57.31	185	83	17.47	49.1	17.29	4.2	0.71	132.4
1307065	UTM83-7	516502	7187648	719	WHI13000116	07/07/2013	341	23.2	2.4	306.5	30.3	17.88	20	115	17.74	19.3	15.69	3.18	0.91	111.4
1307066	UTM83-7	516401	7187648	754	WHI13000116	07/07/2013	2273	17.4	4.2	539.8	45	29.44	93	144	19.35	35.9	12.77	5.38	0.79	144.5
1307067	UTM83-7	516401	7187597	741	WHI13000116	07/07/2013	1189	13.9	4.1	1020.6	22.5	38.96	88	38	16	29.7	15.04	4.15	0.88	86.1
1307068	UTM83-7	516402	7187556	736	WHI13000116	07/07/2013	1720	14.9	5.6	1107.1	27.1	33.05	230	30	13.8	24	13.79	5.84	1.16	52.9
1307069	UTM83-7	516404	7187499	722	WHI13000116	07/07/2013	1742	5.3	4.1	487.7	23.6	15.54	155	23	2.82	13.9	8.54	2.03	0.75	27.2
1307070	UTM83-7	516399	7187441	720	WHI13000116	07/07/2013	3315	4.1	7.2	1136.9	38	32.43	362	23	3.87	20	10.82	3.62	0.6	32
1307071	UTM83-7	516403	7187358		WHI13000116		2632	8.2	21.5	1039.8	32.8	36.02	499	25	4.74	17.6	15.22	1.5	0.68	32.7



Sample No.	UTM	Easting	Northing	Elevation	Certificate	Sample Date	Ag (ppb)	As (ppm)	Au (ppb)	Ba (ppm)	Cr (ppm)	Cu (ppm)	Hg (ppb)	Mn (ppm)	Mo (ppm)	Ni (ppm)	Pb (ppm)	Sb (ppm)	Tl (ppm)	Zn (ppm)
1307072	UTM83-7	516402	7187299	706	WHI13000116	07/07/2013	2766	9.3	11.9	890.5	43.6	33.64	254	428	6.48	58.9	13.92	1.73	0.43	127.5
1307073	UTM83-7	516396	7187198	706	WHI13000116	07/07/2013	2073	10.7	5.2	711.4	35.9	31.58	129	66	6.63	22.8	10.29	1.42	0.41	73.8
1307074	UTM83-7	516401	7187154	709	WHI13000116	07/07/2013	2103	12.6	4.9	679.4	41.5	34.16	149	52	6.16	25.8	12.62	1.33	0.52	77.5
1307075	UTM83-7	516398	7187101	706	WHI13000116	07/07/2013	2412	17.9	6.5	704.8	41.9	37.6	187	45	8	35	14.38	1.79	0.63	77.4
1307076	UTM83-7	516407	7187012	701	WHI13000116	07/07/2013	718	7.5	2.4	495.4	29.1	18.1	90	74	2.29	29.7	12.03	0.6	0.33	66
1307077	UTM83-7	516402	7186952	704	WHI13000116	07/07/2013	627	6.5	3.1	403.7	24.2	27.23	125	44	1.46	23.8	17.81	0.45	0.29	44.9
1307078	UTM83-7	516400	7186903	700	WHI13000116	07/07/2013	810	8.6	3.1	457.5	29.2	29.63	122	130	2.87	25.6	13.44	0.56	0.32	56
1307079	UTM83-7	516399	7186852	698	WHI13000116	07/07/2013	1091	7.4	2	551	24.9	27.42	140	48	2.48	29.8	15.37	0.61	0.3	50.8
1307080	UTM83-7	516399	7186799	700	WHI13000116	07/07/2013	1065	10.1	2.1	646.8	30.8	24.96	131	65	3.33	26.9	13.51	0.72	0.3	60.7
1307081	UTM83-7	516398	7186754	698	WHI13000116	07/07/2013	1640	8.8	3.5	714.6	31.9	31.05	181	59	3.3	25.6	10.26	0.78	0.37	54.8
1307082	UTM83-7	516400	7186705	697	WHI13000116	07/07/2013	2143	9.2	2.9	785.6	31.3	44.95	150	47	3.23	26.8	9.6	0.99	0.53	95.6
1307083	UTM83-7	516397	7186356	789	WHI13000116	07/07/2013	9691	17	2.6	1863	177.2	112.48	271	11	16.57	50.1	8.03	5.07	2.4	140.2
1307085	UTM83-7	518096	7186697	900	WHI13000116	07/09/2013	1079	5.3	2.6	1682	34.1	26.93	95	157	1.36	34.5	6.51	0.95	0.12	111.5
1307086	UTM83-7	518301	7186901	881	WHI13000116	07/09/2013	273	2.2	0.1	5515.1	13.7	15.55	46	140	1.53	13.2	3.88	0.5	0.09	58.3
1307087	UTM83-7	518322	7186916	860	WHI13000116	07/09/2013	1107	3.5	2.9	2511.4	28.6	26.83	91	154	1.13	34.2	5.95	0.73	0.14	104.9
1307088	UTM83-7	517996	7187227	704	WHI13000116	07/09/2013	8444	6.9	3.1	1114.4	95.2	78.34	361	178	8.57	60.2	6.7	1.74	0.41	362.3
1307089	UTM83-7	517995	7186954	778	WHI13000116	07/09/2013	17807	6	3.6	1522.6	133.9	116.43	580	2	6.67	20.4	6.99	2.08	0.22	17
1307101	UTM83-7	517802	7186261	973	WHI13000116	07/08/2013	682	11.7	2.5	1529.3	46.6	29.61	53	219	4.44	42.8	12.08	1.13	0.23	101.1
1307102	UTM83-7	517789	7186306	988	WHI13000116	07/08/2013	374	11.7	0.5	2783.3	47.8	16.18	21	108	3.69	37.3	11.15	1.14	0.26	127.7
1307103	UTM83-7	517796	7186443	947	WHI13000116	07/08/2013	691	4.4	1.2	1886.2	24.4	28.92	97	206	1.46	33.6	6	0.73	0.1	79.6
1307104	UTM83-7	517808	7186546	903	WHI13000116	07/08/2013	4437	17.6	4.4	1518.5	50	49.63	162	70	26.79	106	7.64	6.05	1.88	622.8
1307105	UTM83-7	517780	7186592	859	WHI13000116	07/08/2013	2479	4.1	4.2	1293.6	34.5	29.55	137	62	2.05	55	4.66	1.13	0.2	135.4
1307106	UTM83-7	517811	7186799	787	WHI13000116	07/08/2013	3553	2.9	3.5	1647.9	39.6	25.52	133	53	0.92	34.4	4.5	0.88	0.17	143.2
1307107	UTM83-7	517825	7187080	701	WHI13000116	07/08/2013	8135	13.9	4.2	1791.6	80.7	51.86	362	115	12.3	102.3	5.86	2.62	0.78	809.9
1307108	UTM83-7	517804	7187362	635	WHI13000116	07/08/2013	4696	12.4	2.4	867.1	86.8	59.55	186	121	8.7	83.6	4.85	1.73	0.46	441.9
1307109	UTM83-7	517795	7187410	636	WHI13000116	07/08/2013	3114	11.5	4.6	184.4	46.9	40.08	333	7	17.96	10.2	6.38	1.32	0.36	19.8
1307110	UTM83-7	517797	7187442	642	WHI13000116	07/08/2013	2941	8.6	5.6	200.8	47	39.27	452	4	21.47	9.7	6.43	2	0.29	11.4
1307111	UTM83-7	517792	7187488	648	WHI13000116	07/08/2013	1025	5	4.4	695.2	13.2	7.32	114	11	5.58	4.3	5.78	0.63	0.13	15.2
1307112	UTM83-7	517797	7187544	655	WHI13000116	07/08/2013	2718	7	6.3	718.5	35	16.2	172	16	12.2	4.5	7.18	1.03	0.31	13.5
1307113	UTM83-7	517797	7187593	661	WHI13000116	07/08/2013	2625	5.8	6.2	639.2	33.1	34.54	407	7	10.09	10.5	5.94	1.35	0.23	16.9
1307115	UTM83-7	517797	7187645	659	WHI13000164	07/08/2013	1942	7.1	22.3	1358.7	19.1	45.13	319	40	5.35	10.5	14.89	1.6	0.23	25.3
1307119	UTM83-7	518796	7185442	784	WHI13000164	07/11/2013	1328	7.5	4	601.2	17.6	18.41	222	35	3.73	10.5	8.88	0.8	0.32	34.6
1307194	UTM83-7	518205	7185431	740	WHI13000164	13/07/2013	451	11.7	2.6	537.6	23.5	66.72	132	123	5.93	45.4	12.23	1.83	0.63	107.7
1307195	UTM83-7	518597	7185449	763	WHI13000164	13/07/2013	689	11.5	6.5	1045.4	26.4	22.73	114	185	6.15	24.7	12.29	1.83	0.57	88.3
1307276	UTM83-7	518995	7185955	802	WHI13000165	16/07/2013	3983	8.6	14.4	376	33.3	50.1	505	96	3.53	15.7	13.48	0.81	0.23	51.7
1307278	UTM83-7	518968	7185908	807	WHI13000165	16/07/2013	2154	12.1	6.3	288.8	25.1	29.45	57	117	4.26	22.1	15.6	1.33	0.24	85.3
1307279	UTM83-7	518981	7185864	810	WHI13000165	16/07/2013	2148	12.6	4	229.4	37.1	23.89	67	110	5.58	19.6	8.35	1.25	0.28	62
1307280	UTM83-7	518985	7185809	810	WHI13000165	16/07/2013	2082	13	10.4	689.6	32	20.58	370	80	5.8	14.1	10.92	1.39	0.27	45.5
1307281	UTM83-7	518971	7185760	812	WHI13000165	16/07/2013	2633	11.6	7.7	346.3	26.9	16.75	168	55	6.85	6.7	13.28	1.15	0.3	25.1
1307282	UTM83-7	518952	7185734	808	WHI13000165	16/07/2013	1396	13	12	380.6	32.1	24.47	266	106	7.1	13.1	13.68	1.3	0.28	46.6
1349051	UTM83-7	517248	7187205	813	WHI13000116	07/04/2013	13960	37.7	1.7	2375.9	220.7	82.29	217	90	14.84	300.1	2.15	2.41	0.54	2959.5
1349054	UTM83-7	517062	7185863	106	WHI13000116	07/06/2013	2424	15.9	5.7	898.1	57	144.13	203	58	19.39	46.6	14.02	1.47	0.59	113.7
1349059	UTM83-7	517427	7186578	785	WHI13000116	07/07/2013	11338	32.3	3.3	103.4	159.6	78.38	304	72	44.71	104.7	11.08	4.25	0.83	490.2
1349157	UTM83-7	517047	7186902	757	WHI13000116	07/09/2013	5283	11	4.6	65.2	46.7	22.93	344	21	32.58	8	10.06	1.81	0.81	28.7
1349158	UTM83-7	517021	7186983	735	WHI13000116	07/09/2013	5503	10	6.6	763.3	62.1	36.36	398	14	20.07	15.2	6.34	0.86	0.31	37.8
1349159	UTM83-7	516650	7186600	772	WHI13000116	07/09/2013	13284	81.2	2.8	12.5	280.6	87.82	339	16	100.39	27.6	8.23	2.96	1.71	119.3
1349163	UTM83-7	516792	7187465	668	WHI13000116	07/09/2013	8784	132.5	4.2	60.3	595.8	93.54	272	26	36.65	49.8	6.91	2.83	0.77	147.7
1349201	UTM83-7	517235	7186737	816	WHI13000116	07/09/2013	34988	20.5	3.9	2765	252.3	85.13	688	13	15.53	40.3	10.25	2.06	0.37	57.7
1349202	UTM83-7	517159	7186744	817	WHI13000116	07/09/2013	3899	23.3	3.2	192.3	32.5	16.07	144	45	42.7	14.1	18.93	2.34	1.2	52.1
1349203	UTM83-7	517185	7186809	815	WHI13000116	07/09/2013	54511	35.8	3.1	4678.6	748.4	283.61	1549	28	24.7	111.2	10.1	5.74	1.54	554.9
1349204	UTM83-7	517220	7186808	822	WHI13000116	07/09/2013	57350	12.4	3.6	8081.6	816	188.05	1154	1	8.96	63.3	8.05	3.44	2.5	64.6
1349205	UTM83-7	517262	7186960	829	WHI13000116	07/09/2013	20864	19	5.5	1617.5	144.3	138.55	524	38	9.68	125.3	7.82	3.55	0.26	811.6
1349206	UTM83-7	517224	7186991	828	WHI13000116	07/09/2013	22847	71.2	2.9	2735.1	191.4	148.16	1038	34	125.76	254.2	6.43	28.8	7.96	2663.4
1349207	UTM83-7	517234	7187048	821	WHI13000116	07/09/2013	17057	10.4	4.6	855.7	120	77.82	511	16	8.13	91.9	9.98	3.06	0.76	308.4
1349208	UTM83-7	517229	7187141	817	WHI13000116	07/09/2013	15152	101	3	2524.4	235.5	302.16	500	44	47.85	422.6	6.07	9.97	5.26	3344.6
1349209	UTM83-7	517207	7186919	800	WHI13000116	07/09/2013	30538	285.4	41.1	34.7	177.7	61.05	3712	8	94.3	101.2	15.91	7.98	2.04	1147.8

Sample No.	UTM	Easting	Northing	Elevation	Certificate	Sample Date	Ag (ppb)	As (ppm)	Au (ppb)	Ba (ppm)	Cr (ppm)	Cu (ppm)	Hg (ppb)	Mn (ppm)	Mo (ppm)	Ni (ppm)	Pb (ppm)	Sb (ppm)	Tl (ppm)	Zn (ppm)
1349210	UTM83-7	517157	7187401	781	WHI13000116	07/09/2013	25485	51	10.2	1154.2	267.8	138.11	782	63	29.46	209.5	14.3	8.1	3.35	1630.7
1349211	UTM83-7	517175	7187490	781	WHI13000116	07/09/2013	30762	15.5	3.3	1229	140.3	100.55	240	30	6.26	59.3	12.42	2.47	1.2	226.9
1349212	UTM83-7	517156	7187587		WHI13000116	07/09/2013	2788	14.3	4.2	159.2	39.2	48.98	425	2	19.21	17.5	7.69	1.4	0.51	15.6
1349213	UTM83-7	517258	7187608	789	WHI13000116	07/09/2013	88000	44.5	18.5	10000	1192.5	196.96	2150	3	57.56	40.5	13.02	8.96	3.52	358
1349214	UTM83-7	517244	7187558	788	WHI13000116	07/09/2013	13057	54.4	9.1	4749.3	174.8	153.55	681	83	19.54	489.2	7.75	3.81	1.69	5147.5
1349215	UTM83-7	517242	7187486	787	WHI13000116	07/09/2013	29496	94.2	5.5	716.1	347	188.65	1150	79	37.24	412.2	8.37	5.18	1.39	3579.3
1349216	UTM83-7	517252	7187368	790	WHI13000116	07/09/2013	22556	34.2	11.8	304.5	219.9	103.42	690	17	23.48	30.2	7.07	1.62	0.54	82.3
GP 2012 001	UTM83-7	515574	7188006	1014	DAW12000161	14/07/2012	163	11	4.2	309.1	34.7	26.35	31	227	2.75	38.7	13.89	1.29	0.24	78.6
GP 2012 002	UTM83-7	515563	7187904	1022	DAW12000161	14/07/2012	66	13.3	3.4	214.1	35.2	19.12	35	229	3.72	25.1	20.16	1.27	0.32	63.7
GP 2012 007	UTM83-7	515550	7187141	903	DAW12000161	14/07/2012	449	6.5	3.6	385.7	23.6	20.86	127	55	1.21	21.5	10.62	0.52	0.3	45.6
GP 2012 008	UTM83-7	515617	7187066	890	DAW12000161	14/07/2012	453	6.8	4.8	481.9	23.4	26.2	109	57	2.24	26.5	10.61	0.78	0.44	56.4
GP 2012 009	UTM83-7	515701	7187001	880	DAW12000161	14/07/2012	155	12.1	4.3	325	31.6	22.28	47	245	3.39	26.5	8.37	1.44	0.48	76.2
GP 2012 010	UTM83-7	515786	7186942	867	DAW12000161	14/07/2012	215	18.1	6.6	681.8	19.3	10.9	29	139	11.6	12.4	12.53	2.78	1.47	65.5
GP 2012 011	UTM83-7	515871	7186884	843	DAW12000161	14/07/2012	276	23.9	1.8	932.5	24.6	17.43	25	128	18.76	28.7	12.45	4.92	1.66	117.9
GP 2012 012	UTM83-7	515958	7186814	798	DAW12000161	14/07/2012	2111	16.7	8.1	620.6	27	31.41	67	78	13.56	31.7	14.69	5.22	0.86	171.9
GP 2012 032	UTM83-7	517252	7187109	811	DAW12000161	16/07/2012	22815	123.1	3.5	2436.8	301.8	135.79	752	35	123.78	403	5.8	28.31	11.15	4347.3
GP 2012 033	UTM83-7	517252	7187011	818	DAW12000161	16/07/2012	8650	27.4	3	1348.7	149.1	160.29	543	11	13.46	254.1	6.08	3.31	0.26	651.5
GP 2012 034	UTM83-7	517224	7186915	812	DAW12000161	16/07/2012	29621	23.1	8.7	1485.4	360.2	126.51	1179	8	34.7	119.3	6.2	6.68	1.89	960.7
GP 2012 035	UTM83-7	517216	7186815	812	DAW12000161	16/07/2012	69789	84.7	5.6	4971.2	622.8	73.08	986	1	34.88	75.2	6.04	5.09	2.12	102.3
GP 2012 036	UTM83-7	517208	7186717	812	DAW12000161	16/07/2012	36664	12.7	0.9	4042.3	537.3	65.36	798	13	8.95	58.6	4.92	1.79	0.28	306.4
GP 2012 037	UTM83-7	517192	7186544	858	DAW12000161	16/07/2012	19086	30.3	4.3	2116.9	208.5	108.77	539	35	53.68	353.8	9.05	10.86	0.96	830.6
GP 2012 038	UTM83-7	516982	7186486	871	DAW12000161	16/07/2012	9538	11.3	3.1	10000	82.7	45.64	157	284	4.02	110.9	3.67	1.62	0.14	386.2
GP 2012 039	UTM83-7	516965	7186567	857	DAW12000161	16/07/2012	9309	11.8	2.1	2878	148.9	34.77	156	129	14.09	82.5	3.22	3.41	0.17	229.9
GP 2012 040	UTM83-7	516927	7186719	820	DAW12000161	16/07/2012	2272	36.8	4.4	81	79.5	49.21	390	2	26.23	18.7	7.53	1.18	0.25	9.5
GP 2012 041	UTM83-7	516894	7186862	810	DAW12000161	16/07/2012	5278	15.1	4	2243.1	68.5	44.59	135	182	5.75	63.9	7.46	2.43	0.31	308.8
GP 2012 042	UTM83-7	516877	7186951	796	DAW12000161	16/07/2012	7663	14.7	0.5	966.4	190.6	85.78	96	115	23.95	162.8	1.39	2.17	0.89	4340.3
GP 2012 043	UTM83-7	516773	7187115	768	DAW12000161	16/07/2012	8491	17.6	4.5	6035	235.3	46.58	176	114	11.55	141.8	8.34	2.22	0.14	255.4
GP 2012 044	UTM83-7	516739	7187336	743	DAW12000161	16/07/2012	580	2.8	1.3	89.3	9.7	7.64	54	2	1.26	1.8	5.42	0.21	0.07	6
GP 2012 045	UTM83-7	516681	7187265	754	DAW12000161	16/07/2012	5116	56.8	9.6	697.6	50.9	28.19	581	51	24.49	21.8	18.54	3.78	0.65	98.4
GP120311	UTM83-7	517226	7187206	805		16/07/2012														
LB12001	UTM83-7	516157	7185484	884	DAW12000161	15/07/2012	423	14.4	6.1	420.6	36.3	29.28	61	311	4.12	40	11.63	1.34	0.32	91
LB12002	UTM83-7	516228	7185413	898	DAW12000161	15/07/2012	1727	10.9	4.9	533.8	31.9	47.65	145	180	3.86	20.1	24.13	1.7	0.3	60.8
LB12011	UTM83-7	518093	7187835	584	DAW12000161	16/07/2012	4648	14.2	6.6	170.9	42.5	41.47	437	16	11.06	16.1	15.3	1.47	0.35	40.7
LB12012	UTM83-7	518189	7187809	637	DAW12000161	16/07/2012	683	24	1.9	229.9	29.5	9.22	36	58	10.57	9.9	14.98	1.26	0.4	33.5
LB12013	UTM83-7	518283	7187841	681	DAW12000161	16/07/2012	2190	12.1	1.1	358.4	18.9	4.37	43	13	10.03	3.1	19.13	0.87	0.21	9.3
LB12014	UTM83-7	518399	7187833	723	DAW12000161	16/07/2012	3309	24.5	2.9	204.8	60.3	22.11	112	130	9.12	20.7	12.33	1.35	0.4	66.3
LB12015	UTM83-7	518497	7187852	713	DAW12000161	16/07/2012	2069	4.6	3.1	239.1	19.6	12.72	35	4	5.56	3.1	11.46	0.46	0.23	7.6
LB12016	UTM83-7	518559	7187933	688	DAW12000161	16/07/2012	186	15	3.5	257.2	36.7	15.97	44	266	5.83	22.4	11.77	1.33	0.24	88.5
LB12017	UTM83-7	518602	7188025	651	DAW12000161	16/07/2012	1797	23.1	6.8	204.1	41	27.56	134	196	10.53	20	18.77	1.37	0.66	68.5
LB12018	UTM83-7	518616	7188125	608	DAW12000161	16/07/2012	3416	9	11.5	126.3	63.6	107.68	262	284	2.94	62.1	25.01	1.47	0.45	237.8
LB12019	UTM83-7	518306	7188385	580	DAW12000161	16/07/2012	4217	7.5	2.9	2260.1	25.6	85.19	120	23	17.79	33.6	17.78	9.3	0.79	137.7
LB12020	UTM83-7	518330	7188288	617	DAW12000161	16/07/2012	729	12.4	7.4	599.5	24.8	14.55	61	67	3.34	9.1	21.97	1.37	0.23	36.9
LB12021	UTM83-7	518358	7188192	655	DAW12000161	16/07/2012	1163	7.3	3.6	650.9	20.3	12.39	64	38	3.78	9.4	18.01	1.07	0.16	31
LB12022	UTM83-7	518380	7188095	665	DAW12000161	16/07/2012	4446	13.5	7.5	128.8	29.3	26.68	453	2	6.31	4.9	20.89	1.23	0.53	10.6
LB12023	UTM83-7	518360	7187926	684	DAW12000161	16/07/2012	2342	14.9	3.8	75	31	20.26	152	27	7.12	13.8	12.93	0.98	0.26	36.6
LB12024	UTM83-7	518426	7187737	700	DAW12000161	16/07/2012	1448	22.3	4.9	735.2	25.5	16.19	154	9	8.35	2.7	10.28	0.92	0.15	8.2
LB12025	UTM83-7	518513	7187459	729	DAW12000161	16/07/2012	1930	8.9	2.2	3331	88.3	52.13	336	85	7.69	102.5	6.74	0.64	0.06	206.7
SL12001	UTM83-7	516416	7185622	837	DAW12000161	15/07/2012	999	15	4.3	469	41.2	32.85	81	233	4.39	33.1	10.25	1.14	0.21	114.3
SL12002	UTM83-7	516491	7185554	857	DAW12000161	15/07/2012	1891	11.8	3.8	390.1	40.6	10.84	74	50	7.75	11.1	15.89	1.17	0.36	26.8
SL12003	UTM83-7	516587	7185471	880	DAW12000161	15/07/2012	1140	8	3.1	248	23.6	14.54	113	41	2.64	9.7	8.68	0.72	0.12	30.2
SL12006	UTM83-7	516895	7185615	942	DAW12000161	15/07/2012	6963	13.3	4	1847.9	98	54.29	211	84	15.64	99.5	6.08	3.88	0.5	376.3
SL12007	UTM83-7	516907	7185716	972	DAW12000161	15/07/2012	7489	14	9.8	1216.5	88.4	70.06	469	57	14.54	125.4	11.98	3.45	0.39	376.7
SL12008	UTM83-7	516933	7185822	1045	DAW12000161	15/07/2012	1713	10.8	4.3	1407.1	32.7	44.25	160	176	9.39	65	9.79	1.15	0.3	150.8
SL12009	UTM83-7	516995	7185901	1069	DAW12000161	15/07/2012	584	12.8	4.9	717.1	42.6	32.96	91	233	10.11	62.1	13.01	1.3	0.35	150.2
SL12010	UTM83-7	517002	7186088	1039	DAW12000161	15/07/2012	2808	6	3.7	1583.2	50.5	50.14	196	53	6.07	59.7	10.11	1.2	0.32	168.4
SL12011	UTM83-7	517047	7185889	1064	DAW12000161	16/07/2012	176	10.3	3.4	549.4	34.2	28.36	67	118	5.18	43	10.3	0.93	0.23	139

Sample No.	UTM	Easting	Northing	Elevation	Certificate	Sample Date	Ag (ppb)	As (ppm)	Au (ppb)	Ba (ppm)	Cr (ppm)	Cu (ppm)	Hg (ppb)	Mn (ppm)	Mo (ppm)	Ni (ppm)	Pb (ppm)	Sb (ppm)	Tl (ppm)	Zn (ppm)
SL12012	UTM83-7	517142	7185843	1040	DAW12000161	16/07/2012	1021	9.5	2	1610.1	47.2	14.11	58	159	2.54	31.6	9.83	0.83	0.17	83.8
SL12013	UTM83-7	517242	7185813	1023	DAW12000161	16/07/2012	3732	13.1	3.9	2601.3	59.1	33.22	185	72	5.89	92.4	10.81	1.78	0.31	215
SL12014	UTM83-7	517346	7185813	1007	DAW12000161	16/07/2012	1143	8.1	2.6	1647.8	37.7	30.91	118	192	2.56	61.3	8.44	0.97	0.11	156.7
SL12015	UTM83-7	517424	7185870	969	DAW12000161	16/07/2012	1199	4.7	1.1	1270.6	34.3	17.12	98	82	2.98	34.8	17.3	0.85	0.1	83.5
SL12016	UTM83-7	517491	7185946	942	DAW12000161	16/07/2012	1403	6.3	1.6	1170.1	34.6	22.78	91	33	4.89	34	10.35	0.8	0.19	76.8
SL12017	UTM83-7	517582	7186001	953	DAW12000161	16/07/2012	963	14.2	2	1591.9	51.3	24.45	77	273	4.35	64.5	10.94	1.09	0.23	177
SL12018	UTM83-7	517654	7186084	955	DAW12000161	16/07/2012	398	3.8	1	470.9	18.1	10.59	29	36	11.1	9.6	11.03	0.34	0.25	23.5
SL12019	UTM83-7	517711	7186168	956	DAW12000161	16/07/2012	325	2	1.1	1011.9	12.5	11.27	51	15	1.79	5.1	8.49	0.44	0.14	18
SL12020	UTM83-7	517764	7186261	967	DAW12000161	16/07/2012	147	6.6	0.8	586.9	18.1	7.65	13	32	6.8	25.6	7.46	0.64	0.14	64
SL12021	UTM83-7	517827	7186351	985	DAW12000161	16/07/2012	430	5.9	1.6	609.5	21.9	11.36	25	50	3.07	16.7	14.68	0.67	0.25	46.2
SL12022	UTM83-7	517893	7186429	985	DAW12000161	16/07/2012	193	6.2	0.6	1756	28.3	12.49	20	338	2.74	26	9.59	0.57	0.18	87.2
SL12023	UTM83-7	517979	7186487	993	DAW12000161	16/07/2012	214	9.4	1.3	154.1	22.8	24.15	25	29	6.04	38	14.4	1.16	0.25	120.1
SL12024	UTM83-7	518060	7186544	989	DAW12000161	16/07/2012	632	9.5	0.6	1031.2	33.5	14.86	20	81	3.83	26.3	11.05	0.93	0.24	76.6
SL12025	UTM83-7	518151	7186589	975	DAW12000161	16/07/2012	1014	8.1	1.2	3963.4	38.2	16.38	58	225	2.38	30.1	9.42	0.73	0.18	85.9
SL12026	UTM83-7	518246	7186647	974	DAW12000161	16/07/2012	240	7.6	0.4	1781.8	29.4	12.91	12	87	3.98	31	10.28	0.87	0.24	106.4
SL12027	UTM83-7	518331	7186719	972	DAW12000161	16/07/2012	1958	13.3	3.2	2264.1	56.6	31.77	130	138	5.33	62.8	14.18	1.52	0.3	180
TW12001	UTM83-7	517105	7188348	764	DAW12000161	14/07/2012	720	21.6	2.3	216	10.1	23.16	50	57	30.2	19.6	15.88	4.46	2.37	78.2
TW12002	UTM83-7	517072	7188456	757	DAW12000161	14/07/2012	417	9.6	1.2	330	9.7	9.76	15	18	13	4.6	11.79	5.27	2.55	13.1
TW12003	UTM83-7	517068	7188570	775	DAW12000161	14/07/2012	690	32.4	2.2	353.6	24.5	33.38	42	54	21.91	12.9	15.02	5.82	1.29	39.1
TW12004	UTM83-7	517008	7188661	766	DAW12000161	14/07/2012	935	39.4	4.9	101.6	21.4	40.37	76	107	27.18	44.7	27.96	4.08	3.83	178.7
TW12007	UTM83-7	516959	7188623	756	DAW12000161	14/07/2012	5845	32.6	5.7	662.6	29.7	46.13	123	40	10.39	27.1	27.43	5.72	0.71	74.8
TW12008	UTM83-7	516816	7188633	712	DAW12000161	14/07/2012	828	36.6	1.8	353.5	13.7	18.08	49	25	18.94	17.7	18.19	3.61	4.24	51.1
TW12009	UTM83-7	516745	7188695	696	DAW12000161	14/07/2012	1518	30	1.6	431.2	13.1	44.88	101	23	15.74	24.7	13.31	3.46	2.77	44.3
TW12011	UTM83-7	517179	7188580	770	DAW12000161	14/07/2012	201	5.9	1.7	125	12	8.78	19	26	7.51	8.1	9.88	0.47	0.76	17.6
TW12012	UTM83-7	517268	7188628	764	DAW12000161	14/07/2012	5155	49.5	8.6	174.9	54.1	72.63	175	32	47.6	43.1	78.67	29.68	2.93	122.1
TW12013	UTM83-7	517323	7188696	729	DAW12000161	14/07/2012	2375	18.3	15.1	50.9	31.3	32.23	152	32	8.68	12.7	32.36	4.44	0.55	39
TW12014	UTM83-7	516792	7188283	705	DAW12000161	14/07/2012	1065	32.6	3.2	376.6	17.5	14.56	66	63	16.24	11.8	18.02	3.71	4.37	40.1
TW12015	UTM83-7	516884	7188232	759	DAW12000161	14/07/2012	289	25.7	3.2	353.6	40.3	25.57	32	199	17.07	29.3	13.93	1.89	1.16	101.2
TW12016	UTM83-7	516996	7188208	792	DAW12000161	14/07/2012	262	17.8	0.9	199.4	29.6	12.49	31	138	15.64	20.2	11.55	1.46	0.94	64.3
TW12017	UTM83-7	517085	7188185	812	DAW12000161	14/07/2012	322	16.9	2.6	293.2	40.2	18.34	23	165	10.42	21.4	10.91	4.41	0.4	57.3
TW12018	UTM83-7	517192	7187944	836	DAW12000161	14/07/2012	1586	9.6	1.9	190.3	28.6	11.42	53	41	6.14	8.3	18.17	0.67	0.25	21.6
TW12019	UTM83-7	517177	7187842	841	DAW12000161	14/07/2012	3124	0.4	8.6	369.8	21.3	34.48	316	13	10.37	5.2	15.15	0.6	0.22	7.4
TW12020	UTM83-7	517469	7187950	804	DAW12000161	15/07/2012	2843	14.5	7.2	473.8	23.7	19.06	217	36	12.49	10.3	14.98	1.44	0.25	26.6
TW12021	UTM83-7	517560	7187954	828	DAW12000161	15/07/2012	2654	123.2	7.3	176.9	52.6	43.34	252	25	24.82	6.1	27.82	2.82	0.83	17.8
TW12022	UTM83-7	517595	7188051	814	DAW12000161	15/07/2012	2361	12.3	6.4	211.8	36.1	28.57	166	97	4.8	15.1	21.02	1.22	0.2	46.1
TW12023	UTM83-7	517699	7188103	760	DAW12000161	15/07/2012	1864	13.9	8.9	330.6	42.3	57.58	127	29	9.29	15.6	23.93	1.69	0.43	45.8
TW12024	UTM83-7	517773	7188187	728	DAW12000161	15/07/2012	2830	25.9	3.8	124	76.1	153.86	274	37	19.03	76.8	9.12	2.75	0.24	111
TW12025	UTM83-7	517815	7188282	718	DAW12000161	15/07/2012	1233	22.1	3.5	219.1	34.9	13.67	36	75	10.28	10.1	14.19	1.52	0.23	36.4
TW12026	UTM83-7	517847	7188389	719	DAW12000161	15/07/2012	1830	19.4	2.4	354.3	43.6	20.86	38	50	6.94	9.1	16.46	1.36	0.37	30.1
TW12027	UTM83-7	517864	7188501	701	DAW12000161	15/07/2012	3790	28.4	8.1	193.1	44.2	17.03	396	67	8.93	10.7	10.83	1.91	0.28	30.4
TW12028	UTM83-7	517947	7188580	643	DAW12000161	15/07/2012	3014	15.4	11.4	736.4	41.9	48.26	207	102	5.72	21.4	21.34	1.73	0.19	65
TW12029	UTM83-7	518467	7188505	587	DAW12000161	15/07/2012	2056	18.7	7.5	180.2	25.4	29.81	113	75	5.71	14	21.08	2.45	0.32	50.6
TW12030	UTM83-7	518571	7188531	638	DAW12000161	15/07/2012	1799	10.1	1.1	404	13.8	20.26	55	35	3.23	6.2	14.12	0.59	0.16	22.7
TW12031	UTM83-7	518675	7188556	680	DAW12000161	15/07/2012	1663	8.2	2.3	204.6	12	10.52	42	36	5.12	5.4	10.01	0.84	0.15	22.9
TW12032	UTM83-7	518774	7188601	719	DAW12000161	15/07/2012	1134	18.8	1.6	330.6	40.5	22.35	36	144	6.59	23.7	12.65	1.77	0.29	83.6
TW12033	UTM83-7	518868	7188673	725	DAW12000161	15/07/2012	261	11.8	0.6	154.8	22	11.23	12	118	4.8	12.3	11.15	1.25	0.23	44.8
TW12043	UTM83-7	518971	7188152	594	DAW12000161	15/07/2012	3296	29.3	10.1	158.8	40.7	175.61	223	94	14.56	14.1	10.23	2.79	0.26	73
TW12044	UTM83-7	517096	7187773	839	DAW12000161	16/07/2012	1737	5.4	4.2	347	16	10.25	57	32	2.55	6.3	11.6	0.7	0.16	20.4
TW12045	UTM83-7	517031	7187691	827	DAW12000161	16/07/2012	5108	12.6	3.2	515.2	34.1	14.03	163	33	8.17	7.1	23.99	2.21	0.23	30.1
TW12046	UTM83-7	516944	7187623	792	DAW12000161	16/07/2012	1441	13.4	2.5	482	30.7	20.4	59	110	5.36	17.8	16.88	1.25	0.2	75.4
TW12047	UTM83-7	516843	7187591	736	DAW12000161	16/07/2012	2073	6.1	1	898.7	22.7	19.61	46	46	20.54	13.8	18.69	8.7	1.13	75.8
TW12048	UTM83-7	517370	7187659	780	DAW12000161	16/07/2012	950	2.4	1.6	223.1	13.7	9.89	35	26	2.88	5.4	8.16	0.36	0.15	23
TW12049	UTM83-7	517472	7187622	791	DAW12000161	16/07/2012	344	14.5	1.4	191.7	23.2	11.79	15	75	5.8	8.6	11.65	1.25	0.2	45.9
TW12050	UTM83-7	517573	7187584	781	DAW12000161	16/07/2012	583	14.6	1.2	190.3	25.8	11.15	32	48	5.45	7.4	9.97	1.14	0.21	31.1
TW12051	UTM83-7	517681	7187557	732	DAW12000161	16/07/2012	2718	14.4	5.1	634.5	27.7	15.1	109	44	6.95	8.2	11.73	1.36	0.39	40.1
TW12052	UTM83-7	517787	7187542	677	DAW12000161	16/07/2012	7229	62.5	10.2	74.9	47.1	32.85	423	35	54.67	24.9	12.76	4.95	0.85	53.5

Sample No.	UTM	Easting	Northing	Elevation	Certificate	Sample Date	Ag (ppb)	As (ppm)	Au (ppb)	Ba (ppm)	Cr (ppm)	Cu (ppm)	Hg (ppb)	Mn (ppm)	Mo (ppm)	Ni (ppm)	Pb (ppm)	Sb (ppm)	Tl (ppm)	Zn (ppm)
TW12053	UTM83-7	518345	7187287	798	DAW12000161	16/07/2012	9613	16.7	3.3	5436	196.1	47.19	276	130	22.94	281.7	6.49	5.67	0.39	860.8

## **APPENDIX D**

Stream Sediment Sample Locations  
and  
Analytical Results

Sample No.	UTM	Easting	Northing	Elevation	Certificate	Sample Date	Ag (ppb)	As (ppm)	Au (ppb)	Ba (ppm)	Cr (ppm)	Cu (ppm)	Hg (ppb)	Mn (ppm)	Mo (ppm)	Ni (ppm)	Pb (ppm)	Sb (ppm)	Tl (ppm)	Zn (ppm)
1302015	UTM83-7	518183	7188636	531	DAW12000163	15/07/2012	1932	16.3	6	247.4	54.1	68.7	158	41	10.65	25.6	10.76	2.05	0.61	74.4
1302016	UTM83-7	516659	7187541	657	DAW12000163	16/07/2012	8675	34	6	356.3	201	91.39	280	42	18.4	86.2	6.33	3.14	0.65	333.1
1349052	UTM83-7	517844	7187458	646	WHI13000116	07/05/2013	9904	29.6	6.3	196.7	210.3	112.25	295	43	24.18	91.4	9.3	3.22	0.62	315.3
1349053	UTM83-7	517738	7187384	662	WHI13000116	07/05/2013	4373	20.5	7.4	327.7	70	47.58	267	52	14.47	30.2	13	1.81	0.4	126.2
1349055	UTM83-7	517413	7186221	839	WHI13000116	07/06/2013	14167	24.7	4.7	2949.3	209.2	88.17	355	42	16.26	108.4	4.8	4.24	1.01	678.6
1349056	UTM83-7	517326	7186413	819	WHI13000116	07/06/2013	19419	54	5.2	1045.1	399.7	132.03	455	51	35.98	202.3	5.96	7.87	1.68	1476.9
1349057	UTM83-7	517455	7186395	756	WHI13000116	07/07/2013	32558	24.4	2.3	1211	353.9	71.77	618	23	32.97	89.6	5.5	4.34	0.41	380.3
1349058	UTM83-7	517440	7186593	770	WHI13000116	07/07/2013	18379	24.4	3.8	1574.3	249.7	86.44	433	68	20.41	118.8	6.05	4.25	0.93	694.6
1349060	UTM83-7	517516	7186782	721	WHI13000116	07/07/2013	15652	26.7	3.3	1224.4	232.7	85.82	368	69	20.91	104.9	6.31	3.79	0.75	588.4
1349061	UTM83-7	517607	7186989	745	WHI13000116	07/07/2013	13054	28.1	4.5	1191.5	208.4	97.05	329	120	22.39	156.1	6.79	3.73	0.78	870.7
1349062	UTM83-7	517713	7187148	647	WHI13000116	07/07/2013	14686	27.9	4.4	983.8	232.4	97.72	375	108	21.65	133.6	7.45	3.65	0.76	756.1
1349063	UTM83-7	517750	7187296	669	WHI13000116	07/07/2013	11774	32.2	3.4	815.8	217.5	104.72	312	85	22.43	132.2	6.82	3.85	0.79	742.3
1349066	UTM83-7	518585	7185081	812	WHI13000165	07/11/2013	690	18.2	4.1	1355.9	16.2	34.93	152	95	11.43	22.5	19.02	4.73	1.18	64.9
1349068	UTM83-7	517819	7184631	979	WHI13000165	07/12/2013	2287	29	36	369.5	28.1	111.09	193	80	2.65	18.4	24.87	1.72	0.22	108.8
1349070	UTM83-7	518625	7185240	793	WHI13000165	07/12/2013	901	25.2	4.8	958.4	19.8	44.13	173	127	13.52	25.8	23.2	5.66	1.17	78.4
1349097	UTM83-7	518470	7185930	691	WHI13000165	14/07/2013	944	18.2	5.3	564.8	20.1	28.72	174	78	8.79	20.3	22.12	3.31	0.67	61.3
1349098	UTM83-7	518449	7186020	677	WHI13000165	14/07/2013	2604	38.1	2.3	146.5	112.5	98.39	170	139	18.59	64	18.63	3.67	0.48	260.6
1349099	UTM83-7	518636	7186107	666	WHI13000165	14/07/2013	1997	18.5	3.2	384.3	60.6	72.58	172	119	11.24	54.4	12.31	2.24	0.49	211
1349100	UTM83-7	518774	7186222	653	WHI13000165	14/07/2013	1692	13.9	2.8	703.9	48.9	63.46	150	131	9.25	43.6	8.78	1.9	0.48	168.6
1349154	UTM83-7	517913	7187211	812	WHI13000116	07/08/2013	4744	13.7	2.4	1818.5	88.1	40.93	139	123	8.77	70	6.09	1.9	0.55	355.1
1349155	UTM83-7	517096	7186685	812	WHI13000116	07/09/2013	26387	25.4	2.5	1200.3	367.9	192.4	607	44	26.18	116.3	6.02	3.35	0.88	855.8
1349156	UTM83-7	517064	7186873	756	WHI13000116	07/09/2013	5183	17.8	2.7	303.7	146.7	110.5	273	23	21.59	72.1	5.84	2.08	0.45	259.5
1349160	UTM83-7	516997	7187082	716	WHI13000116	07/09/2013	7371	28	3.1	177.6	171.1	107.67	282	23	24.36	57.6	6.27	2.17	0.52	168.9
1349161	UTM83-7	516908	7187304	684	WHI13000116	07/09/2013	13644	55.6	4.6	384.1	313	136.37	387	53	27.18	115.5	6.37	2.85	0.76	451.5
1349162	UTM83-7	516915	7187311	685	WHI13000116	07/09/2013	13964	68.7	4.1	145.4	326.6	84.72	358	65	29.97	79.7	6	2.87	0.88	508.6
1349164	UTM83-7	516665	7187502	658	WHI13000116	07/09/2013	7655	31.3	2.9	179.2	249.4	92.27	243	45	21.63	80.2	5.61	3.2	0.69	289.4
1349165	UTM83-7	516510	7187028	680	WHI13000116	07/09/2013	10024	22.6	3.8	224.5	170.4	115.79	270	40	26.11	94.5	6.08	3.8	0.81	352
1349166	UTM83-7	516663	7186586	768	WHI13000116	07/09/2013	11683	22.3	2.5	1345.1	201.7	93.45	385	46	19.03	185.7	5.44	4.55	0.99	1262.5
1349167	UTM83-7	516678	7186600	797	WHI13000116	07/09/2013	22387	27	1.6	1193.7	380.6	115.02	535	43	26.81	108.5	7.86	4.49	1.01	831.4
1349218	UTM83-7	518516	7185789	704	WHI13000165	14/07/2013	1461	14.8	7.3	971	19.9	25.47	307	73	8.71	20.2	14.66	2.84	0.76	58.3

## **APPENDIX E**

SEM Study on Ag-bearing Samples  
from the Face Property (Silver Zone)

**Rackla Metals Inc.**

**Internal Report – SEM study on Ag-bearing Samples**

**from the FACE Property, YT**

Work conducted by Tim Wrighton, M.Sc. and David Clark, M.Sc., P. Geo.

**Summary:**

- No Ag-bearing phase was identified within the four thin sections analyzed.
- Two forms of barite have been identified: type 1) disseminated sedimentary-derived barite which occurs throughout all samples; and type 2) 'hackly' barite which occurs in barite-rich shale clasts.
- Minor Fe-oxide ± Zn veinlets were observed within sample 1349006, identifying a minor secondary event associated with the transport of Zn.
- The coincidence of type 2 barite and Zn-bearing Fe-oxide veinlets suggest that this minor secondary event may have transported both barite and Zn

**Aim:**

This study aimed to observe the presence of Ag in polished thin section and establish where the Ag is hosted within these samples.

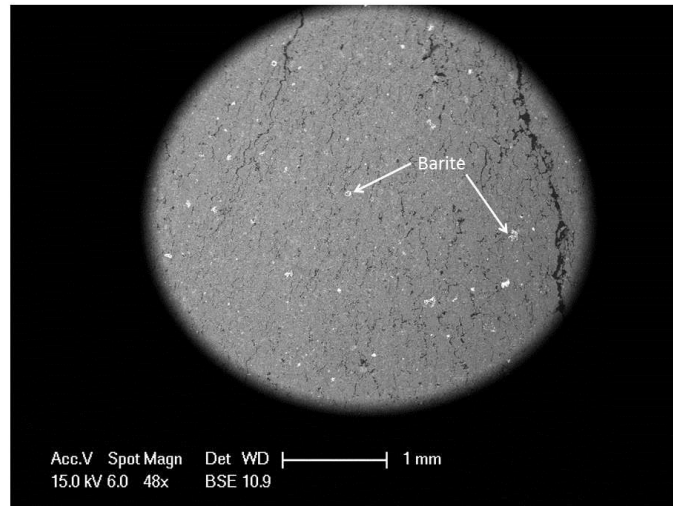
Four thin sections were made from three rock samples: 1349006, 1349012 and 1349025. Two of which were made from sample 1349025. Images were acquired in back-scattered electron (BSE) mode and qualitative analyses of mineral phases were conducted using energy-dispersive X-ray spectroscopy (EDS).

**Results/Observations**

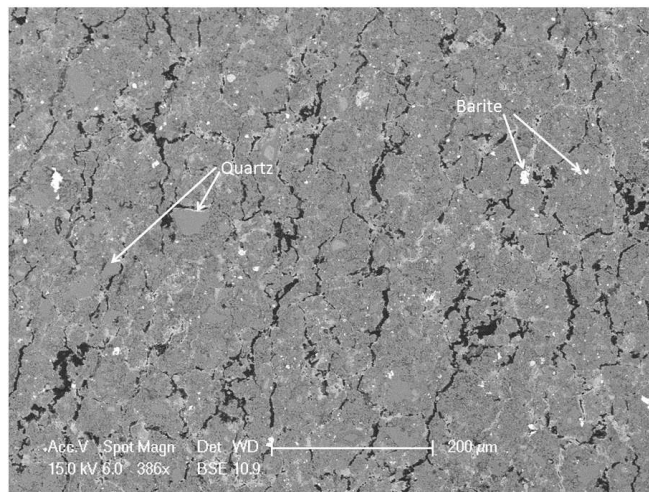
The majority of the three samples consist of homogenous shale with disseminated barite grains (Type 1; Figure 1). At higher magnification, individual grains of quartz (Figure 2), potassium feldspar and Ti-oxide (Rutile?) were observed within shale clasts.

The approximate modal abundance of barite within the shale unit was ~2%.





**Figure 1 : Example of shale with disseminated barite grains (Sample: 1349006; BSE image).**



**Figure 2: Shale at high magnification (Sample: 1349006; BSE image).**

Certain clasts contain considerably more barite and exhibit a different mineral texture to that observed in Figure 2. Figure 3 is an example of a barite-rich clast with crosscutting Fe-oxide ± Zn veinlets. Barite is more abundant and exhibits a 'hackly' mineral texture (Type 2). However, barite-rich clasts were uncommon amongst the 4 thin sections and crosscutting Zn-bearing veinlets were only identified within an individual clast in sample 1349006.

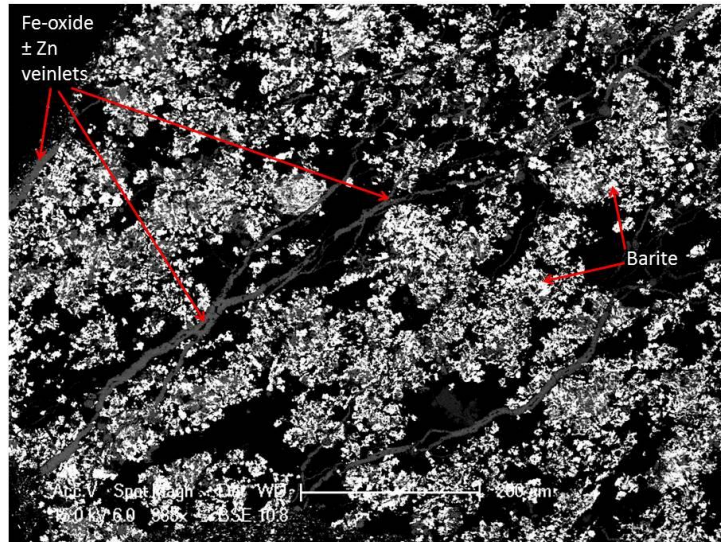


Figure 3: Fe-oxide  $\pm$  Zn veinlets crosscutting shale with abundance barite (Sample: 1349006; BSE image).

Bladed barite vein/fracture infill was observed in sample 1349006 (Figure 4). The vein/fracture infill also exhibited considerable Fe and S peaks using EDS, which is tentatively interpreted to indicate the presence of pyrite ( $\text{FeS}_2$ ).

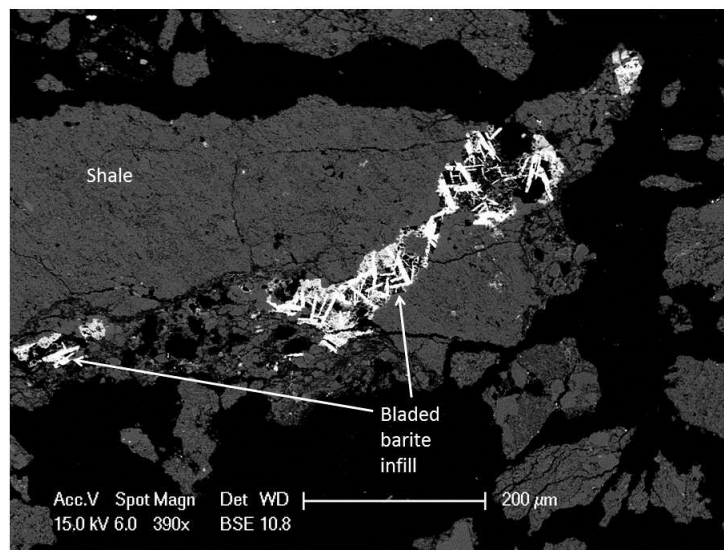


Figure 4: Bladed barite (possibly  $\text{FeS}_2$ ) vein/fracture infill (Sample: 1349006; BSE image).

## **Discussion**

The majority of the three samples (~95%) consist of homogenous shale with disseminated barite grains. This form of barite occurs as discrete rounded grains (Figure 2), occurs in unaltered shale clasts and is likely of sedimentary origin (Type 1).

The second form of barite forms a 'hackly' mineral texture (Figure 3) and occurs in a minor proportion of the analyzed material (<5%) within barite-rich clasts (as described above; Type 2). One barite-rich clast from sample 1349006 exhibits crosscutting Zn-bearing Fe-oxide veinlets which indicates post-depositional transport of Zn within these sediments. These veinlets are rare, suggesting that this event is relatively minor; however, the coincidence of Zn-bearing veinlets and a second form of barite may indicate a genetic relationship.

Bladed barite observed within a vein/fracture (Figure 4) is also suggestive of a secondary event. Bladed barite (Figure 4) displays textural similarities to type 2 (Figure 3) barite which may indicate similar conditions of formation.

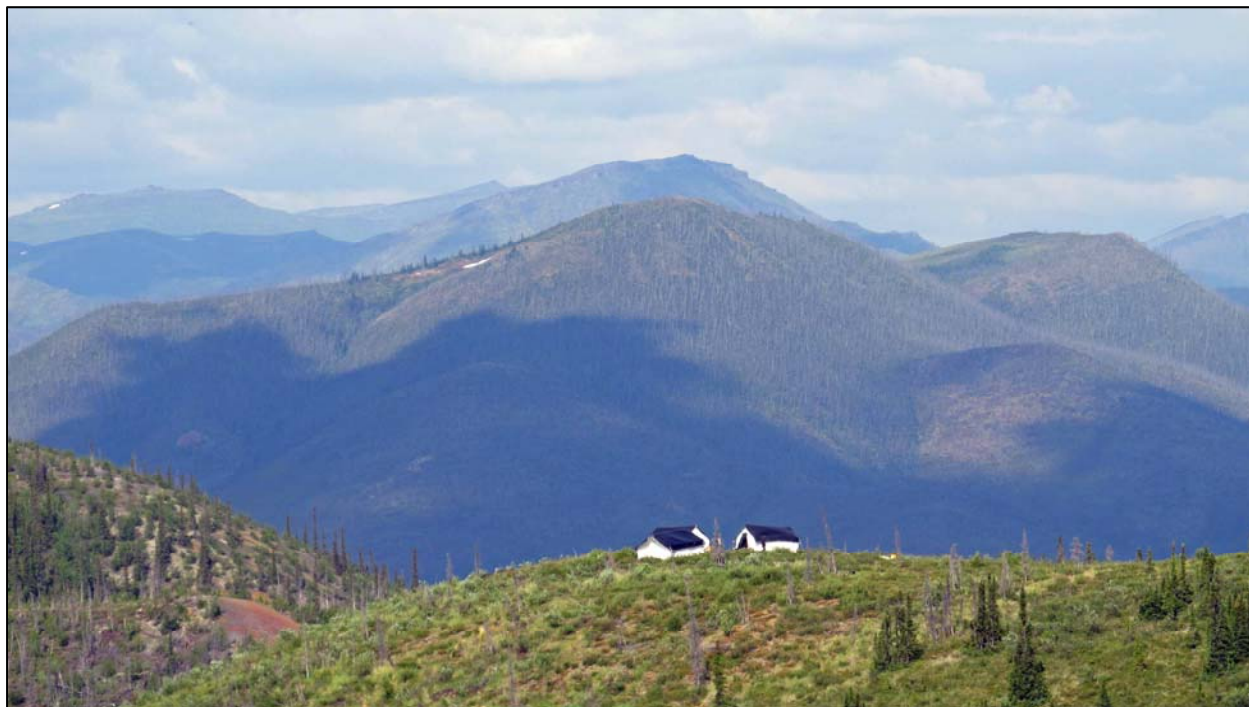
## **Conclusion**

With the information currently available, the reason for the high concentration of Ag within whole rock geochemical samples remains unknown. No evidence has been observed to indicate the presence of a large hydrothermal system. No alteration textures have been observed and veining/fracture infill has only been identified in a minor proportion of the analyzed material (<5%).

The majority of the barite present within these samples is present as discrete grains within unaltered shale clasts which are suggestive of a sedimentary, rather than a hydrothermal origin; however, the coincidence of type 2 barite and Zn-bearing Fe-oxide veinlets suggest that there is a minor post-depositional event that may have transported both barite and Zn.

## **APPENDIX F**

Silver Zone – 2013 Photos



2013 Camp 1 looking northeast.



Looking North down ridge, host to silver anomaly, photo from south side of silver anomaly.





Rock sample 1349001, contains 73,000 ppb Ag, 115 ppm Mo.



Rock sample 1349002, contains 33,000 ppb Ag, 24.4 ppm Mo.





Rock sample 1349013, contains 1974 ppb Ag, 26.5 ppm Mo



Rock sample 1349107, contains 58,000 ppb Ag, 133.5 ppm Ni.





Rock sample 1349119, contains 56,000 ppb Ag, 51.47 ppm Mo, grab over approximately 5m.



Outcrop in creek east of camp 13-1, boudinaged argillite, at waterfall, in shale.





Chris Ridgway (left) and Tim Wrighton in creek east of camp, hammers resting on pyrite lense in bedded argillite. Rock sample 1349036 of pyrite returned no significant values.





Trench 13-1.; rock sample 1349040 from trench floor black shale returned 63,000 ppb Ag, 445 ppm Cu, 1342 ppm Hg, 82.34 Mo, 19.71 ppm Sb and 1.41 ppm Tl.



Trench 13-1; Soil sample 1349204 from bottom – side of trench, sample returned 57,350 ppb Ag, 188 ppm Cu, 1154 ppb Hg, 8.96 ppm Mo, 3.44 ppm Sb and 2.5 ppm Tl.



Trench 13-2, profile, rock sample 1349041 from trench contained 11,000 ppb Ag, 1131 ppb Hg.



Trench 13-3, Chris Ridgway, rock sample 1349042 from trench contained 6650 ppb Ag.





Trench 13-3 backfilled and reclaimed.



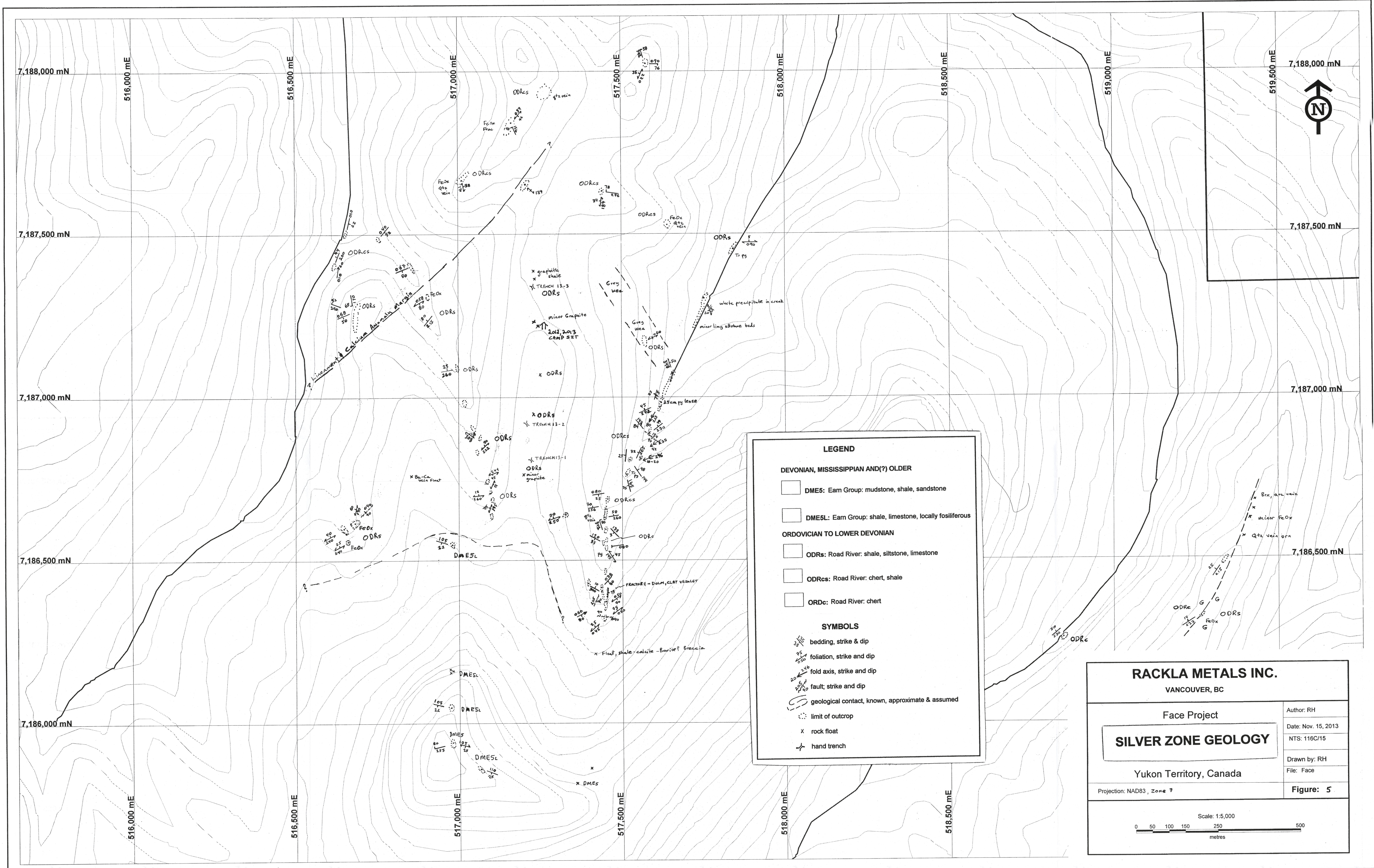
Chris Ridgway and dog Newt cleaning up kitchen tent after windstorm.

## **APPENDIX G**

2013 Digital Data

<See Data Folder>





**LEGEND**

**DEVONIAN, MISSISSIPPIAN AND(?) OLDER**

- DME5: Earn Group: mudstone, shale, sandstone
- DME5L: Earn Group: shale, limestone, locally fossiliferous

**ORDOVICIAN TO LOWER DEVONIAN**

- ODRs: Road River: shale, siltstone, limestone
- ODRcs: Road River: chert, shale
- ODRc: Road River: chert

**SYMBOLS**

- bedding, strike & dip
- foliation, strike and dip
- fold axis, strike and dip
- fault; strike and dip
- geological contact, known, approximate & assumed
- limit of outcrop
- rock float
- hand trench

**RACKLA METALS INC.**  
VANCOUVER, BC

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Face Project

**SILVER ZONE GEOLOGY**

Yukon Territory, Canada

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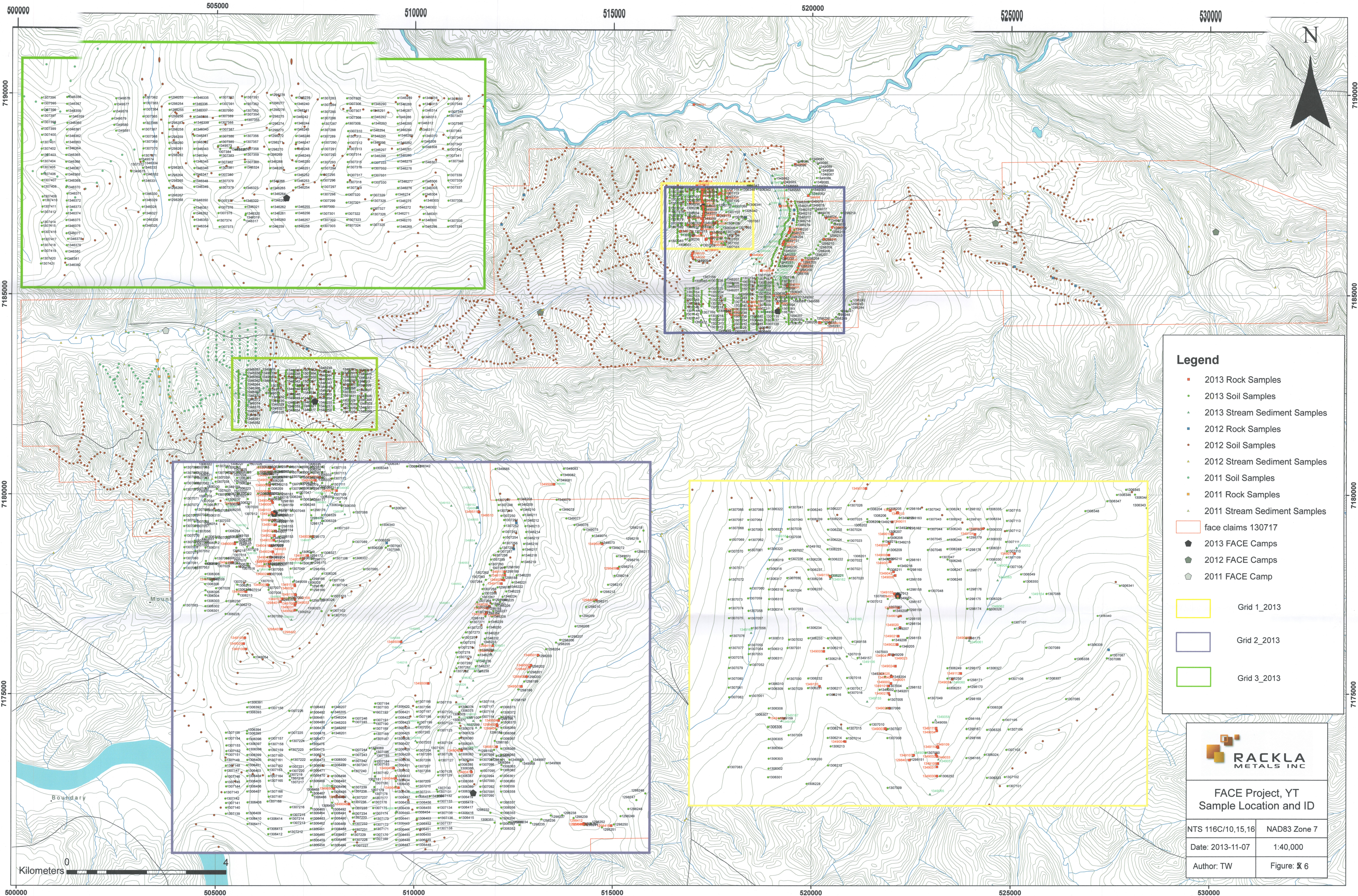
Projection: NAD83, Zone 7

Scale: 1:5,000

Author: RH  
Date: Nov. 15, 2013  
NTS: 116C/15  
Drawn by: RH  
File: Face

**Figure: 5**





**Legend**

- 2013 Rock Samples
- 2013 Soil Samples
- ▲ 2013 Stream Sediment Samples
- 2012 Rock Samples
- 2012 Soil Samples
- ▲ 2012 Stream Sediment Samples
- 2011 Soil Samples
- 2011 Rock Samples
- ▲ 2011 Stream Sediment Samples
- ▭ face claims 130717
- 2013 FACE Camps
- 2012 FACE Camps
- 2011 FACE Camp
- ▭ Grid 1\_2013
- ▭ Grid 2\_2013
- ▭ Grid 3\_2013

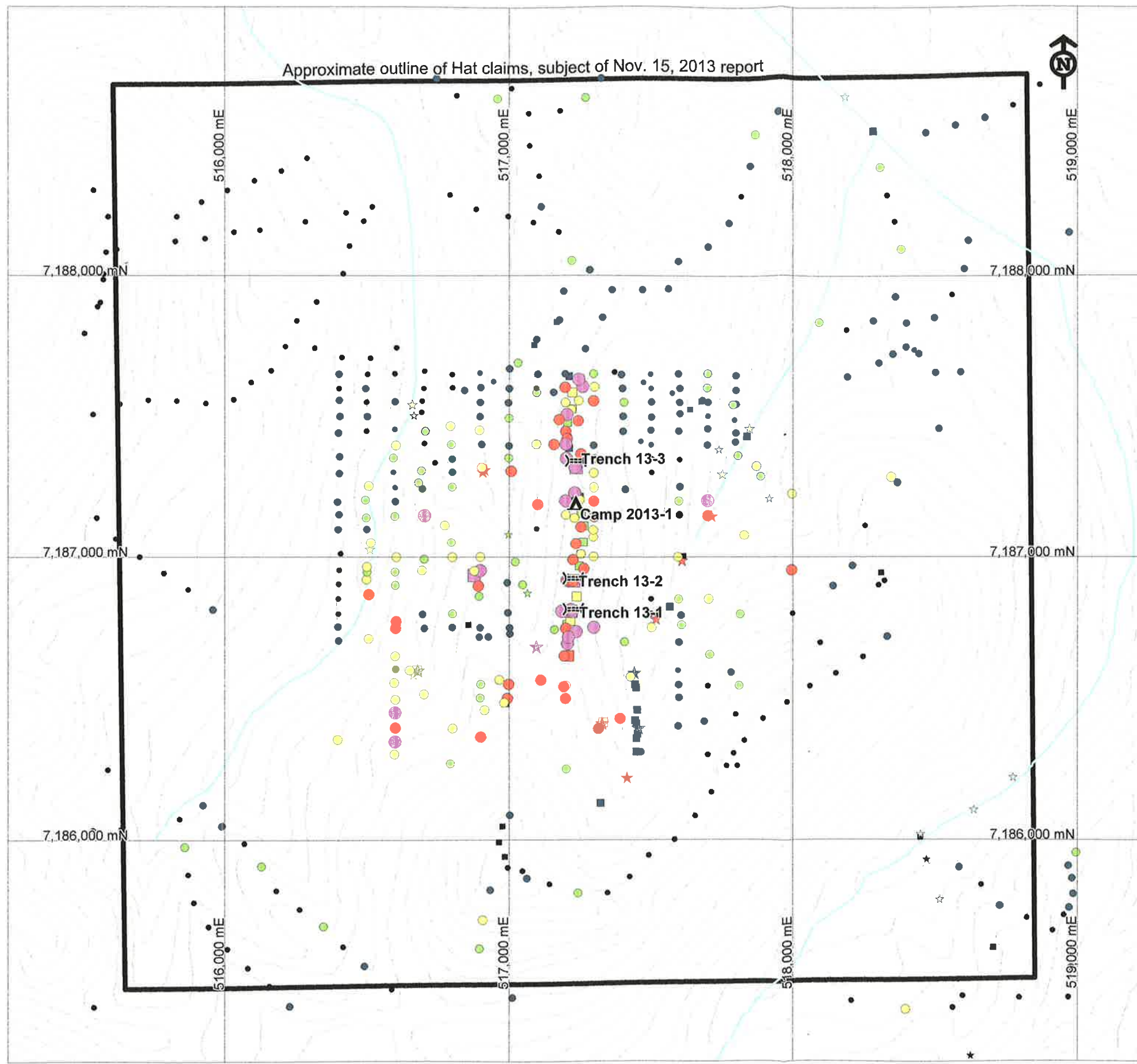
**RACKLA METALS INC.**

**FACE Project, YT  
Sample Location and ID**

NTS 116C/10, 15, 16	NAD83 Zone 7
Date: 2013-11-07	1:40,000
Author: TW	Figure: 6

Kilometers 0 4





**LEGEND**

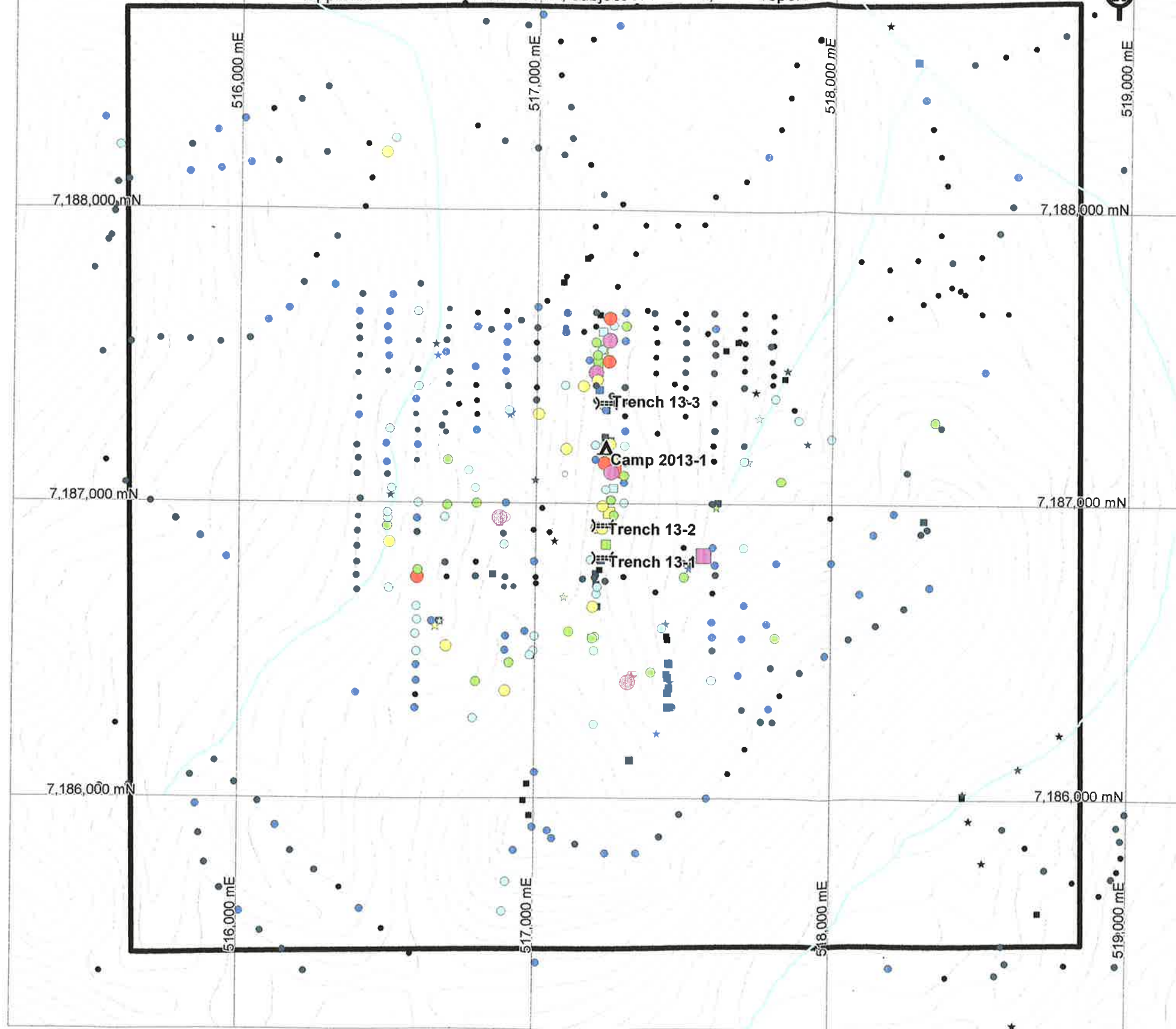
- Soil Percentiles**  
for: Ag\_ppb\_
- 0 =< 1189 [<30%] (157)
  - 1189 =< 2927 [30<60%] (130)
  - 2927 =< 8919 [60<80%] (55)
  - 8919 =< 18829 [80<90%] (51)
  - 18829 =< 30762 [90<95%] (35)
  - 30762 =< 88932 [95<98%] (21)
- Stream Sediment Samples**  
for: Ag\_ppb
- ★ 690 to 1,461 (3)
  - ☆ 1,461 to 4,373 (6)
  - ☆ 4,373 to 8,675 (5)
  - ☆ 8,675 to 13,054 (5)
  - ★ 13,054 to 18,379 (6)
  - ★ 18,379 to 32,558 (5)
- Rock Samples Percentiles**  
for: Ag\_ppb\_
- 78 =< 1835 [<30%] (18)
  - 1835 =< 7878 [30<60%] (19)
  - 7878 =< 33000 [60<80%] (11)
  - 33000 =< 62000 [80<90%] (7)
  - 62000 =< 67000 [90<95%] (3)
  - 67000 =< 71000 [95<98%] (4)

Note: Trench Symbols not to scale

<b>RACKLA METALS INC.</b> Vancouver, BC		
<b>Face Property</b> <b>SILVER ZONE</b> <b>Silver Geochemistry</b> <b>YUKON TERRITORY, CANADA</b>		
Date: Nov. 15, 2013	NTS: 116C/15	Drawn By: RH
NAD83 Zone 7	Scale: 1:15,000	Figure: 7



Approximate outline of Hat claims, subject of Nov. 15, 2013 report

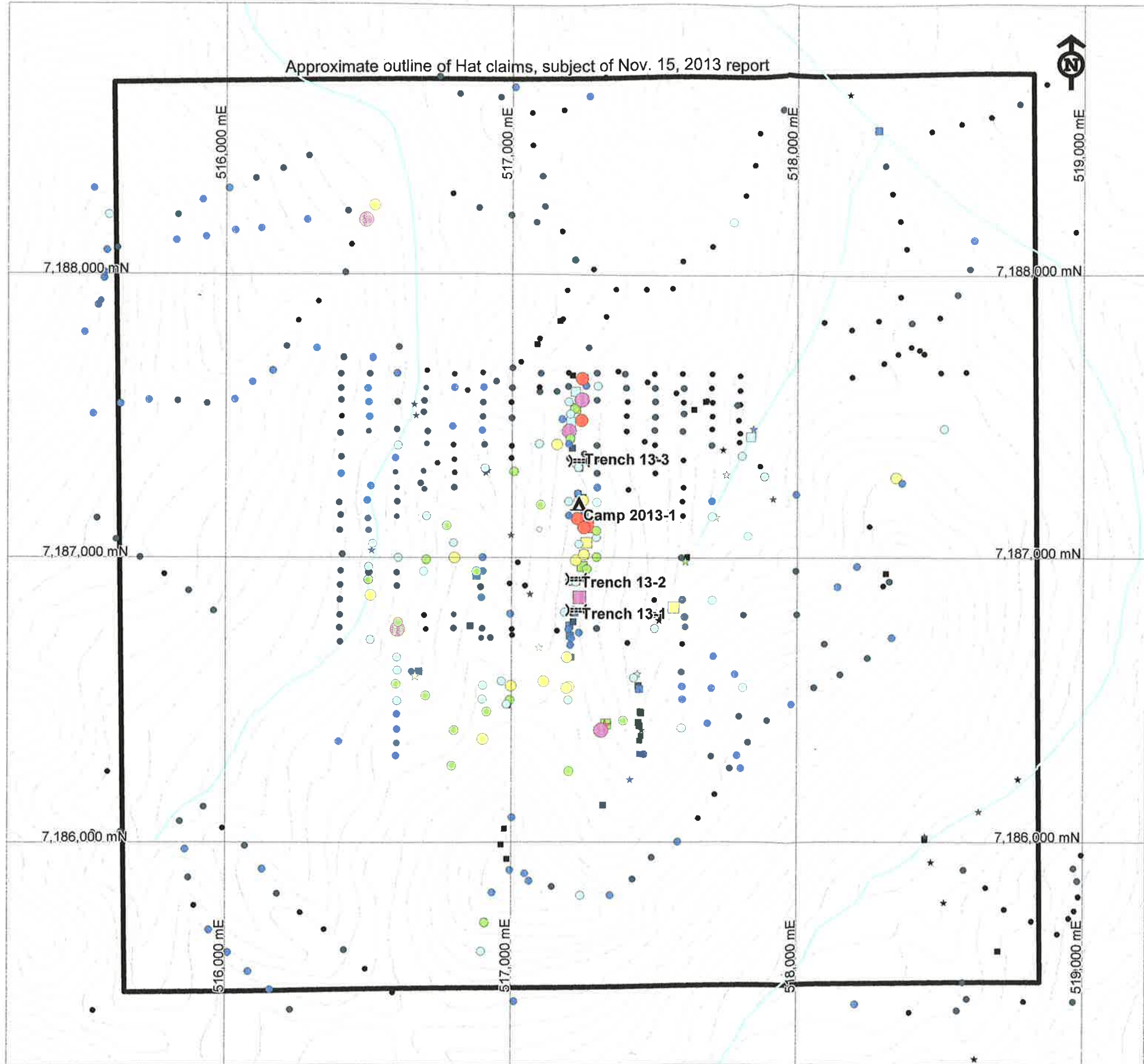


### LEGEND

Soil Percentiles for: Zn_ppm_			
●	2.3 =< 46.6	[<30%]	(134)
●	46.6 =< 106.7	[30<60%]	(134)
●	106.7 =< 241.6	[60<80%]	(89)
○	241.6 =< 622.8	[80<90%]	(45)
○	622.8 =< 960.7	[90<95%]	(22)
○	960.7 =< 3344.6	[95<98%]	(14)
○	3344.6 =< 4340.3	[98<99%]	(4)
○	4340.3 =< 6073.4	[99% +]	(5)
Stream Sediment Percentiles for: Zn_ppm_			
★	58.3 =< 168.9	[<30%]	(8)
★	168.9 =< 380.3	[30<60%]	(9)
★	380.3 =< 742.3	[60<80%]	(6)
★	742.3 =< 855.8	[80<90%]	(3)
★	855.8 =< 1262.5	[90<95%]	(2)
★	1262.5 =< 1476.9	[95<98%]	(1)
★	1476.9 =< 1476.9	[98<99%]	(1)
Rock Sample Percentiles for: Zn_ppm_			
■	1.4 =< 48.6	[<30%]	(18)
■	48.6 =< 148.6	[30<60%]	(19)
■	148.6 =< 470.6	[60<80%]	(12)
■	470.6 =< 1048.9	[80<90%]	(6)
■	1048.9 =< 1623.1	[90<95%]	(3)
■	1623.1 =< 2083.1	[95<98%]	(2)
■	2083.1 =< 2413.3	[98<99%]	(1)
■	2413.3 =< 2413.3	[99% +]	(1)

Note: Trench Symbols not to scale

<b>RACKLA METALS INC.</b> Vancouver, BC		
<b>Face Property</b> <b>SILVER ZONE</b> <b>Zinc Geochemistry</b> <b>YUKON TERRITORY, CANADA</b>		
Date: Nov. 15, 2013	NTS: 116C/15	Drawn By: RH
NAD83 Zone 7	Scale: 1:15,000	Figure: 8



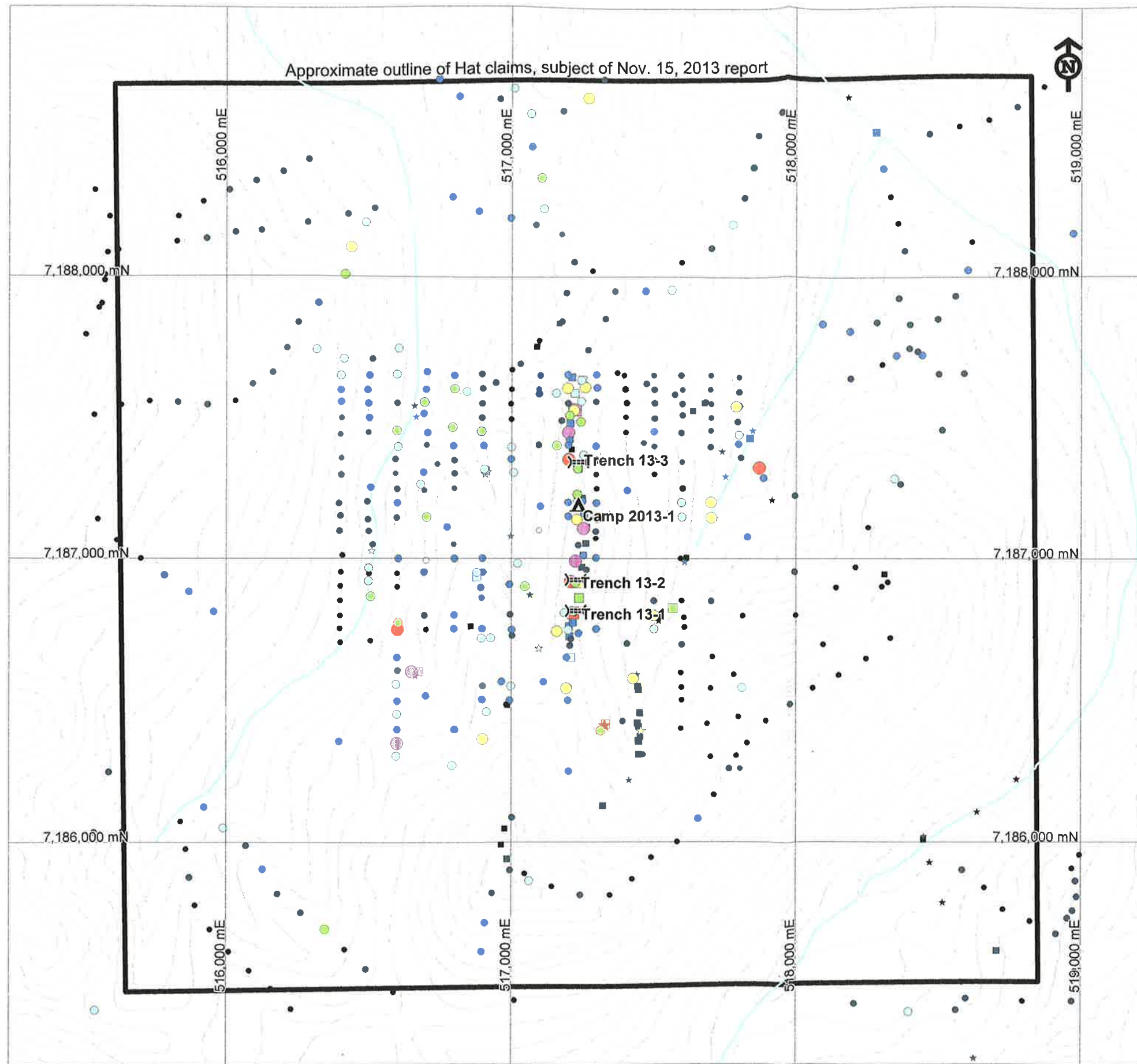
**LEGEND**

- Soil Sample Percentiles for: Ni\_ppm\_**
- 1.8 =< 16.7 [<30%] (134)
  - 16.7 =< 36.8 [30<60%] (134)
  - 36.8 =< 74.5 [60<80%] (89)
  - 74.5 =< 124.4 [80<90%] (45)
  - 124.4 =< 200.8 [90<95%] (22)
  - 200.8 =< 403 [95<98%] (14)
  - 403 =< 480.8 [98<99%] (4)
  - 480.8 =< 1130.4 [99% +] (5)
- Stream Sediment Percentiles for: Ni\_ppm\_**
- ★ 18.4 =< 54.4 [<30%] (8)
  - ★ 54.4 =< 91.4 [30<60%] (9)
  - ★ 91.4 =< 116.3 [60<80%] (6)
  - ★ 116.3 =< 133.6 [80<90%] (3)
  - ★ 133.6 =< 185.7 [90<95%] (2)
  - ★ 185.7 =< 202.3 [95<98%] (1)
  - ★ 202.3 =< 202.3 [98<99%] (1)
- Rock Sample Percentiles for: Ni\_ppm\_**
- 1.4 =< 22.7 [<30%] (18)
  - 22.7 =< 54.9 [30<60%] (19)
  - 54.9 =< 96.8 [60<80%] (12)
  - 96.8 =< 133.5 [80<90%] (6)
  - 133.5 =< 251.4 [90<95%] (3)
  - 251.4 =< 480.4 [95<98%] (2)
  - 480.4 =< 506.5 [98<99%] (1)
  - 506.5 =< 506.5 [99% +] (1)

Note: Trench Symbols not to scale

<b>RACKLA METALS INC.</b>		
Vancouver, BC		
<b>Face Property</b>		
<b>SILVER ZONE</b>		
<b>Nickel Geochemistry</b>		
<b>YUKON TERRITORY, CANADA</b>		
Date: Nov. 15, 2013	NTS: 116C/15	Drawn By: RH
NAD83 Zone 7	Scale: 1:15,000	Figure: 9





### LEGEND

#### Soil Sample Percentiles

for: Mo\_ppm\_

- 0.8 =< 5.36 [<30%] (134)
- 5.36 =< 10.5 [30<60%] (134)
- 10.5 =< 19.02 [60<80%] (89)
- 19.02 =< 28.18 [80<90%] (45)
- 28.18 =< 40.58 [90<95%] (22)
- 40.58 =< 67.45 [95<98%] (14)
- 67.45 =< 100.39 [98<99%] (4)
- 100.39 =< 194.43 [99% +] (5)

#### Stream Sediment Percentiles

for: Mo\_ppm\_

- ★ 2.65 =< 13.52 [<30%] (8)
- ★ 13.52 =< 21.63 [30<60%] (9)
- ★ 21.63 =< 26.11 [60<80%] (6)
- ★ 26.11 =< 27.18 [80<90%] (3)
- ★ 27.18 =< 32.97 [90<95%] (2)
- ★ 32.97 =< 35.98 [95<98%] (1)
- ★ 35.98 =< 35.98 [98<99%] (1)

#### Rock Sample Percentiles

for: Mo\_ppm\_

- 0.13 =< 5.92 [<30%] (18)
- 5.92 =< 22.77 [30<60%] (19)
- 22.77 =< 44.43 [60<80%] (12)
- 44.43 =< 71.61 [80<90%] (6)
- 71.61 =< 94.88 [90<95%] (3)
- 94.88 =< 115.11 [95<98%] (2)
- 115.11 =< 147.97 [98<99%] (1)
- 147.97 =< 147.97 [99% +] (1)

Note: Trench Symbols not to scale

**RACKLA METALS INC.**

Vancouver, BC

**Face Property**

**SILVER ZONE  
Molybdenum Geochemistry**

**YUKON TERRITORY, CANADA**

Date: Nov. 15, 2013	NTS: 116C/15	Drawn By: RH
NAD83 Zone 7	Scale: 1:15,000	Figure: 10