2012 GEOCHEMICAL

REPORT ON THE IOLA CLAIMS

(Work Performed: June 7 – 17, 2012)

Grant Numbers			Claim Names			
YD18101	-	YD18160	Iola	1	-	60
YD18061	-	YD18080	Iola	61	-	80

WHITEHORSE MINING DISTRICT,

YUKON TERRITORY

NTS: 105F/6

Latitude 61^{o}22' North
Longitude 133^{o}20' West

Owner & Operator:

RACKLA METALS INC.
650-200 Burrard Street
Vancouver, British Columbia
V6C 3L6

Prepared by:

Roger Hulstein, B.Sc., P.Geo.
&
Timothy Wrighton, M.Sc. (candidate)

April 15, 2013

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Summary

The Iola property is located in south-central Yukon, approximately 120 Kilometers northeast of Whitehorse, Yukon. The Iola claims, the subject of this report, consists of 80 Yukon Quartz claims staked in 2011 covering an area of approximately 1670 hectares (4030 Acres). The property is owned 100% (one hundred percent) by Rackla Metals Inc.

Access to the property can be gained by helicopter, based out of Whitehorse. The nearest road is the South Canol Highway (highway 6), located approximately 25 kilometers to the east of the property. Rackla Metals Inc. conducted an 11 day exploration program on the property with a 3-4 person crew, consisting of soil sampling, reconnaissance geological mapping and prospecting. Work was undertaken between June 6th and June 17th, 2012; however, efforts were hindered by frozen ground due to a late spring thaw.

The property is underlain by a package of autochthonous sedimentary rocks of the Seagull Group. Units identified on the property consist of quartzite, chert pebble conglomerate and greywacke and black shale and slate. A thrust slice of massive greenstone, andesite and tuff, found on the west and south sides of the property, part of the mafic Slide Mountain Terrane, has been thrust over the Seagull Group.

Rackla Metals' Iola claims were staked to cover the 'Iola' Yukon Minfile Occurrence, a drilled prospect. Iola Mines Ltd. explored the property for base metals in the late 1960's with seven diamond drill holes totalling 374.5 meters. AGIP Canada Ltd. re-staked and explored the property in 1981 and 1982 with geological mapping and geochemical soil, stream sediment and rock sampling. Although the primary focus of AGIP's program was uranium, they did investigate the silver – base metal potential. AGIP identified a coherent silver-copper-lead-zinc-molybdenum anomaly in soil in the Drill Creek drainage.

A total of 18 rock samples, 3 stream sediment samples and 434 soil samples were collected in 2012. Geochemical results identified an approximate 3 x 1 kilometer multi-element anomaly at the headwaters of the historic Drill Creek anomaly, including gold, silver, arsenic, lead and zinc. This anomaly has two different mineral associations; an Au-As and an Ag-Tl-Pb-Zn system. In addition, Au-As anomalies were identified in soils over areas underlain by mafic rocks of the Slide Mountain Terrane.

Additional rock and soil sediment geochemical surveys, along with geological mapping and prospecting around the identified geochemical anomalies are recommended to better define the existing anomalies and to understand their significance.

Introduction

The purpose of this report on the Iola 1 – 80 claims is to describe the 2012 work program and the results, and to fulfill Yukon assessment requirements. Work in June 2012 consisted of reconnaissance geochemical rock, stream sediment and soil sampling. This report describes the location, access, history and geological setting of the Iola claim block, in addition to the 2012 results. An exploration program to further explore the property for gold-silver and base metals is proposed.

Location and Access

The Iola property is located approximately 120 Kilometers northeast of Whitehorse, Yukon and is situated between Cariboo Creek and Big Salmon River (Figure 1). The Iola claims are located in the Whitehorse Mining District and are on NTS map sheet 105F/6.

Access to the property can be gained by helicopter, based out of Whitehorse. The nearest South Canol Road (Yukon Highway 6) is 25 kilometers to the east of the property.

Topography

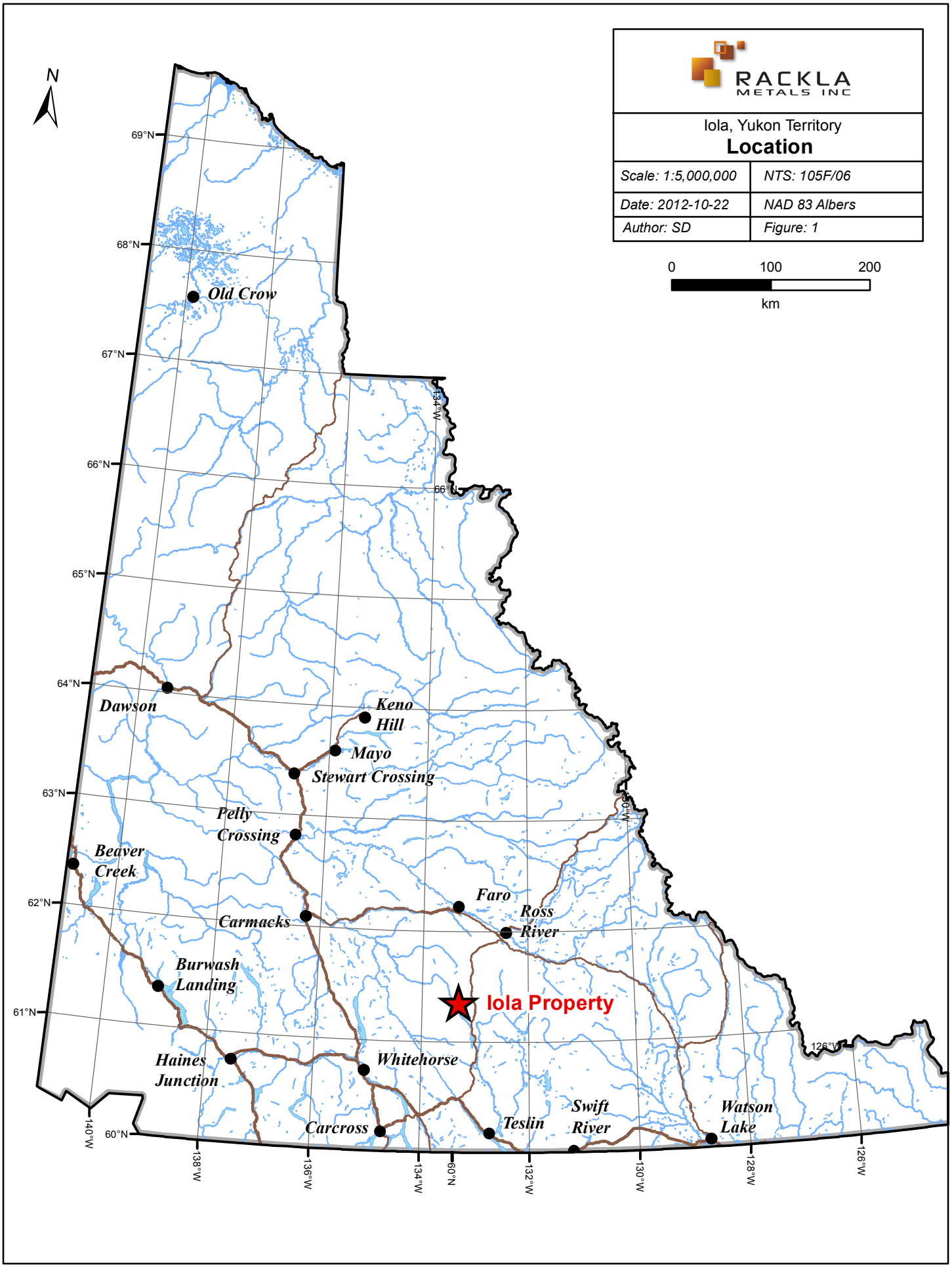
The Iola property is centred over a north-trending ridge located between Cariboo Creek to the east and the Big Salmon River to the west (Figure 1). Treeline is located around 1400 meters above sea level. Above treeline, the terrain is an open rolling alpine ridge with a few steep cliff sections. Below treeline, the vegetation consists of thick spruce forest.

Glacial erratic's were observed on the property, in addition to the aeolian White River Ash. White River Ash was not present in all soil profiles across the property and was mainly observed at low elevations, on the eastern side of the main ridge.

Permafrost posed a hindrance to achieving maximum coverage with the soil sampling program. As a result soil sample coverage was mainly controlled by the location of thawed ridges and south-facing slopes.

Rock outcrop was confined mainly to ridges and cliff sections.

Climate is characterized by low precipitation and a wide temperature range. Winters are cold and temperatures of $-30^{o}C$ to $-45^{o}C$ are common. Summers are moderately cool with daily highs of $10^{o}C$ to $25^{o}C$. 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.


RACKLA METALS INC
Iola, Yukon Territory
Location
Scale: 1:5,000,000
NTS: 105F/06
Date: 2012-10-22
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Author: SD
Figure: 1
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126°W
Old Crow
Dawson
Keno Hill
Mayo
Stewart Crossing
Pelly Crossing
Beaver Creek
Carmacks
Faro
Ross River
Burwash Landing
Iola Property
Haines Junction
Whitehorse
Carcross
Teslin
Swift River
Watson Lake

History

The area has previously been explored by Iola Mining Limited and AGIP Canada Inc. Iola Mines Ltd. carried out exploration in the area between 1964 and 1969. In 1965, bulldozer trenching was carried out in addition to 5 drill holes totalling 570 feet in the Drill Creek area (Figure 2). A gravity survey (Galeski, 1967) was conducted in 1966 and was followed up by an additional hole in 1967 (261 ft.). A final hole was drilled in 1969 (398 ft.). Results from previous drilling are not available; however, Yukon MINFILE (2013) reports the presence of minor amounts of pyrite in several holes, which were locally accompanied by traces of galena and chalcopyrite. Despite the lack of detailed information, a diamond drill of 1960's vintage (Photo 1) found in the Drill Creek drainage presumably marks the location of the last drill hole.

The property was re-staked as the Barb claims by AGIP Canada Ltd. in 1981-1982 during a uranium exploration program (Van Angeren, 1982). They conducted a geological mapping and geochemical sampling program. A sampling grid was located over areas with iron-rich seeps, and extensive limonitic soils. Through this program they found significant mineral enrichment in soil and rocks for lead-zinc-silver-molybdenum-arsenic-uranium within the Drill Creek drainage that was previously explored by Iola Mines Ltd. The Drill Creek drainage is underlain by graphitic and siliceous slate. They found that most anomalies were associated with a black shale sequence, suggesting that the anomalies were the result of primary enrichment of elements within this sequence, with some values representing local enhancement by secondary enrichment processes. Maximum values for the small soil 1980's sample grid at the headwaters of Drill Creek returned 870 ppm Cu, 610 ppm Mo, 350 ppm Pb, 1663 ppm Zn, 25.0 ppm Ag, 780 ppm As, 23 ppm W, 58 ppm Co and 223 ppm Ni.

High copper, molybdenum, zinc, arsenic, cobalt, nickel and tungsten values were observed in limonite-rich soil, whereas high lead values were obtained from non-limonitic soil. Silver anomalies were found in both soil types. It was suggested that most anomalous concentrations in this area may be caused by scavenging effects of manganese hydroxides (Van Angeren, 1982).

Rackla Metals Inc. staked the Iola Claims 1-80 in October 2011. Neither Iola Mining nor AGIP analyzed for gold as their main focus was on the discovery of a lead – zinc and uranium targets, respectively. Given the reported anomalous soil and rock geochemical values and the lack of analysis for gold, this property is considered to be a promising area for further gold, silver and base metal exploration.

Photo 1. Michael Garagan at 1960's Iola Mines ltd.'s drill and close up of drill motor.

2012 Work Program

The 2012 geochemical exploration program was carried out by Rackla Metals Inc. A crew of four, employees Tim Wrighton (M.Sc. candidate), Michael Garagan (B.Sc. candidate) and Bros Exploration Ltd. employees Louis Bissonnette and Guillaume Pednealt mobilized from Whitehorse on June 7th, 2012. Camp equipment was driven to the South Canol Road (Hwy 6) and flown in by helicopter mobilized from Whitehorse (Fireweed Helicopters Ltd.). Geologist R. Hulstein supervised the program and was onsite on June 7th and June 12th, 2012.

From June 8th – June 16th the crew collected rock, soil and stream sediment samples for geochemical analysis and carried out prospecting and reconnaissance geological mapping. Soil sampling was based on a soil grid with 200 m x 100 m spacing over the whole property; however, this was modified due to permafrost problems. Irrespective of the permafrost issues, good coverage was achieved across the key areas of the property. The camp was demobilized on June 17th, 2012. Michael Garagan was demobilized on June 12th due to an injury.

Hand-held GPS receivers (Garmin GPSmap 60CSx) were used to plot locations of the samples collected and any other interesting features (approximate ±5m accuracy). Samples were shipped to Acme Laboratories (Vancouver) Ltd. Preparation laboratory in Whitehorse and prepared pulps were analysed for gold and 36 other elements in the Vancouver laboratory.

Claim Status

The Iola property, consisting of 80 contiguous two-post Yukon 'Quartz' claims (Iola 1- 80), cover an area of approximately 1670 hectares (4030 Acres). The claims were staked according to the Yukon Quartz Mining Act on October 24th and 25th, 2011 by Bros. Exploration Ltd. and are located in the Whitehorse Mining District. They are shown on claim sheet 105F/6 and are available for viewing at the Whitehorse 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*
YD18101	-	YD18160	IOLA	1	-	60	60	105F/06	Oct. 27, 2013
YD18061	-	YD18080	IOLA	61	-	80	20	105F/06	Oct. 27, 2013
							80		

*Subject to acceptance of this report.

The claims shown on Figure 2 are plotted as per coordinates obtained by a GPS receiver (Garmin GPSmap 60CSx) with estimated ±5 m accuracy.


588000
590000
592000
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6804000
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N
YD18080 IOLA 80
YD18078 IOLA 78
YD18076 IOLA 76
YD18074 IOLA 74
YD18072 IOLA 72
YD18070 IOLA 70
YD18068 IOLA 68
YD18066 IOLA 66
YD18079 IOLA 79
YD18077 IOLA 77
YD18075 IOLA 75
YD18073 IOLA 73
YD18071 IOLA 71
YD18069 IOLA 69
YD18067 IOLA 67
YD18065 IOLA 65
YD18064 IOLA 64
YD18062 IOLA 62
YD18160 IOLA 60
YD18158 IOLA 58
YD18156 IOLA 56
YD18154 IOLA 54
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YD18106 IOLA 6
YD18104 IOLA 4
YD18102 IOLA 2
YD18115 IOLA 15
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YD18111 IOLA 11
YD18109 IOLA 9
YD18107 IOLA 7
YD18105 IOLA 5
YD18103 IOLA 3
YD18101 IOLA 1
Caribou Creek
Drill Creek
Salmon River
0
0.5
1
km
Legend
Iola Claims
Iola Property Boundary
Contour
Creek
River, Lake
RACKLA METALS INC
Iola, Yukon Territory
Claims
Scale: 1:25,000
NTS: 105F/06
Date: 2012-10-23
UTM: NAD 83, Zone 8
Author: SD
Figure: 2

Regional Geology

The Iola property lies within the Omineca Belt of the Canadian Cordillera. The property is underlain predominantly by rocks of the Yukon-Tanana Terrane (Figure 3), although thrust fault slices of Slide Mountain Terrane are found on the western side of the property, likely part of the Saint Cyr Klippe, mapped to the east of the property (Figures 4 and 5). Rocks of the Paleozoic Seagull Group, part of the Pelly – Cassiar Platform and the Yukon-Tanana Terrane, underlie the Iola property. The Seagull Group rocks are the unit of interest on the property.

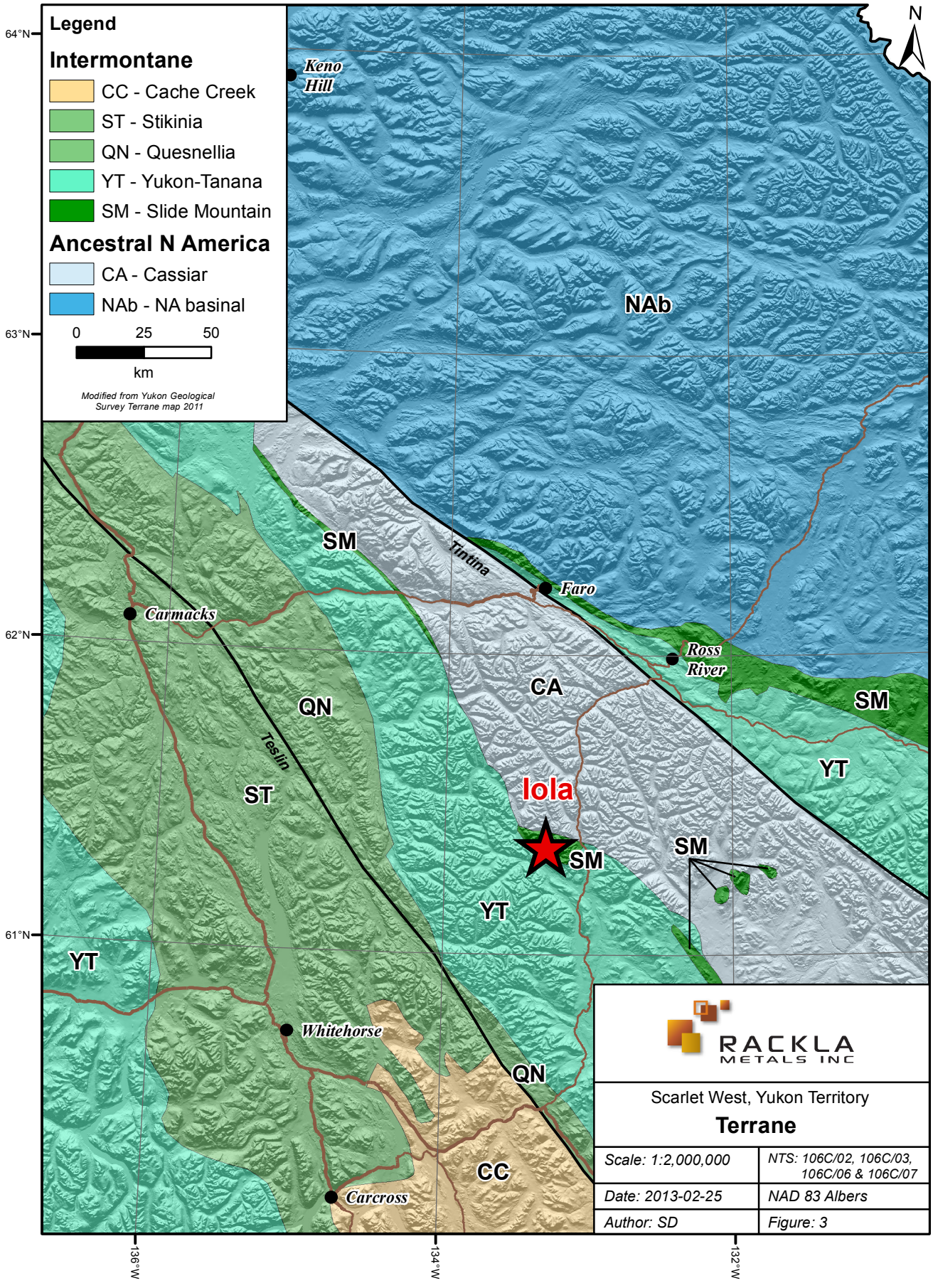
In the vicinity of the Iola claims, the Seagull Group makes up a narrow northwest trending belt of sedimentary rocks (Templeman-Kluit., 2012). In the central and southern portion of the belt, there is a sequence of Upper Paleozoic volcanic rocks of the Anvil-Campbell allochthon which have been thrust over the mid-Paleozoic sedimentary rocks. Siltstones, quartzites, slates and greywacke are the principal types of sedimentary rocks, whereas massive greenstones predominate in the volcanic suite.

Property Geology

The Iola Property has not been geologically mapped by Rackla Metals. The property geology map (Figure 5) is mainly derived from the mapping by AGIP Canada Ltd. in 1981-1982 (Van Angeren, 1982). However, some additional mapping was conducted by Rackla Metals in the southern portion of the property.

The property mainly consists of a package of Devonian- Mississippian sedimentary rocks that are in thrust contact with a greenstone unit on the western side of the property (Figure 5). The reader is referred to report Van Angeren's (1982) assessment report (number 091078) for more details on the geology mapped by AGIP Canada. Van Angeren's (1982) report clearly describes sub-units with the sedimentary package; however, with limited exposure, it is difficult to justify separating these sub-units as distinct, mappable-units.

There appears to be two post-thrusting faulting events on the property, one that trends NW-SE and the other trending N-S. The NW-SE trending faults were identified by minor displacements in the contact between the greenstone and sedimentary units, these faults intersect the headwaters of the prospective Drill Creek drainage. The structures are likely the cause of the observed cataclastics and may play an important role in the recent mineralogical history of the area. The N-S trending faults are expressed as deep gorge type features that are only observed on the western side of the property cross-cutting the greenstone unit.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Faro
Tintina
Carmacks
Ross River
Teslin
Whitehorse
Carcross
Iola
NAb
SM
CA
QN
ST
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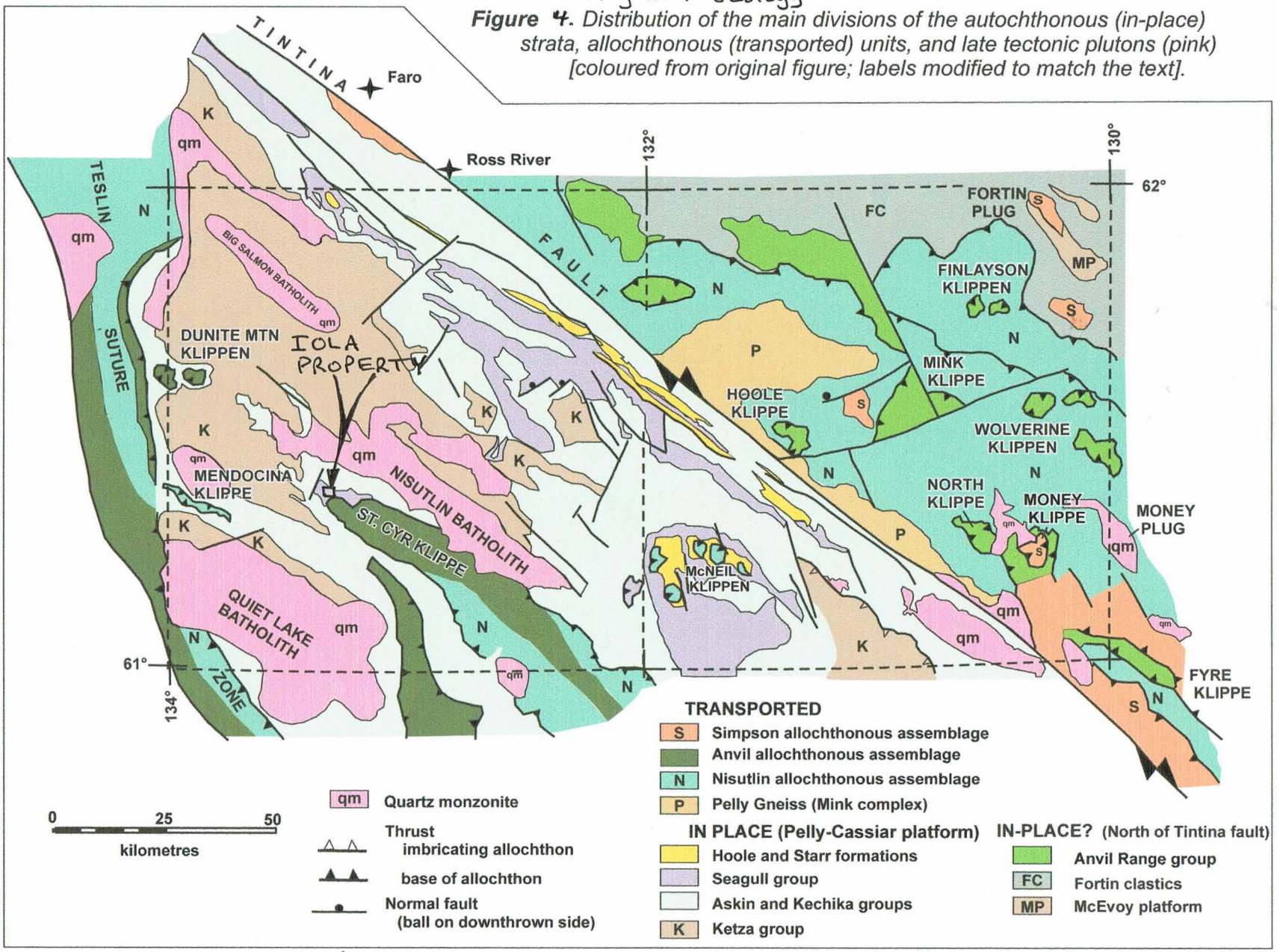
RACKLA METALS INC
Scarlet West, Yukon Territory
Terrane
Scale: 1:2,000,000
NTS: 106C/02, 106C/03, 106C/06 & 106C/07
Date: 2013-02-25
NAD 83 Albers
Author: SD
Figure: 3

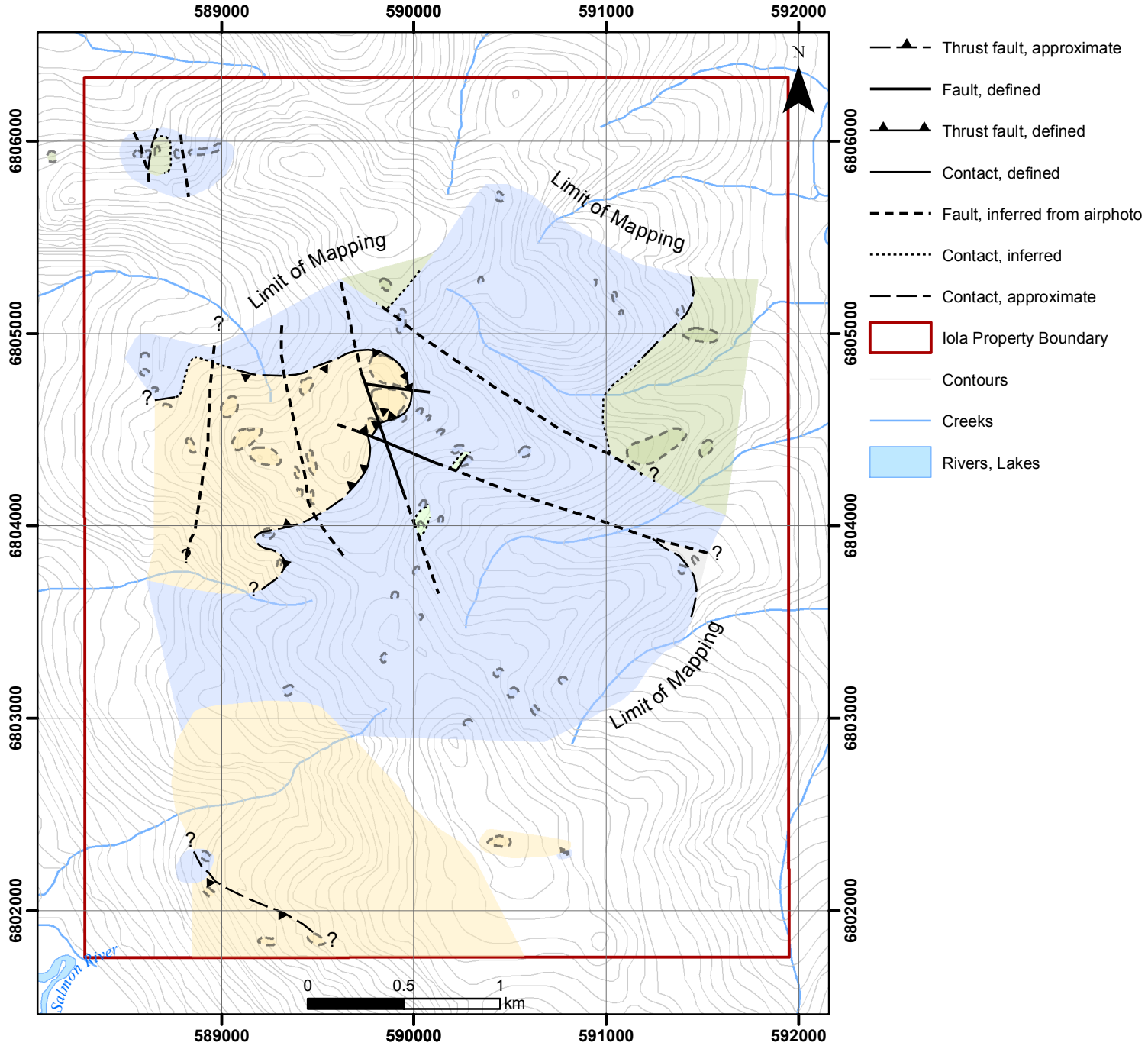
Regional Geology

Figure 4. *Distribution of the main divisions of the autochthonous (in-place) strata, allochthonous (transported) units, and late tectonic plutons (pink) [coloured from original figure; labels modified to match the text].*



Modified after: Tempelman-Kluit, D.J., 2012, GSC OF 5487

Figure 4.



Lithology

- 3 Massive Greenstone, Andesite and Tuff
- 2c White Quartzite
- 2b Black Shale, Slate, Argillite
- 2a Chert Pebble Conglomerate and Greywacke
- 1 Micaceous Quartzite

Outcrop

- 3
- 2c
- 2b
- 2a
- 1

Geology modified from Van Angeren, 1982

RACKLA METALS INC

Iola, Yukon Territory

Property Geology

Scale: 1:30,000	*NTS: 105F/06*
Date: 2013-02-25	*NAD 83, Zone 8*
Author: SD	*Figure: 5*

Alteration and Mineralization

No significant mineralization has been identified on the property to date. Drilling by Iola Mines Ltd. in 1965 did reveal minor galena and chalcopyrite in drill core (Yukon MINFILE, 2013). Follow up work conducted by AGIP Ltd. in 1982 observed limonitic soil profiles and identified geochemical anomalies and the reader is referred to the ‘History’ section in this report and to Van Angeren (1982) for more detail.

Prospecting in 2012 identified an early quartz veining event in sub-crop that contained an unidentified green globular mineral within graphitic shale (Photo 2) in the headwaters of Drill Creek. These quartz veins were isoclinally folded and formed in a consistent orientation to the foliation developed within the shale unit. This suggests that a quartz veining event occurred prior to the formation of the foliation (likely in response to thrust faulting).

Just south of the area surveyed in detail by AGIP Canada, a 200m wide gossanous zone was identified that was anomalous in Au, Ag and Ag in soil (soil samples 122381-122382, 122389). Photo 3 is a grab sample (122302) from within this zone.

Grab samples on a scree slope on the central ridge in the south center of the property displayed evidence of copper oxide (Photo 4) and significant brecciation (Photo 5); however, outcrop of these units are yet to be found in the area.

Photo 2. Graphitic shale crosscut by quartz vein with unidentified green mineral.

Photo 3. Gossanous unit, oxidized with high density of dark brown stringers.

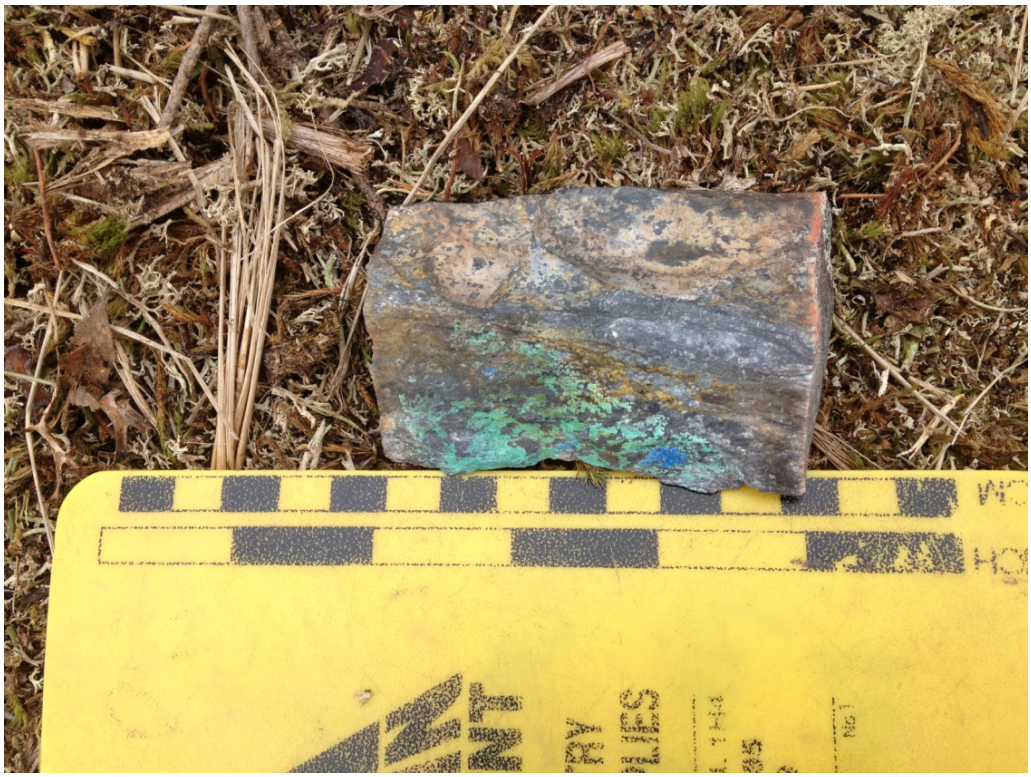


Photo 4. Malachite coating on siliceous metasedimentary rock (float sample).

Photo 5. Brecciated metasedimentary rock (float sample).

Geochemistry

A total of 18 rock samples, 3 stream sediment samples and 434 soil samples were collected in 2012 and were analyzed by Acme Analytical Laboratories (Vancouver) Ltd. All samples collected on the property were transported by Rackla Metals personnel to Acme's preparation laboratory in Whitehorse. The analytical certificates are presented in Appendix A.

Rock samples were crushed and a 250 g split pulverized to minus 200 mesh. A 30 gram sub sample was fire assayed and a gold determination made by atomic absorption (method R200-250). An additional 36 elements were analyzed by ICP-MS following a 0.5 gram sample undergoing aqua regia digestion (method 1F02). Sample locations and analytical results are presented in Appendix B. Rock sample locations are shown on Figure 6 and results for gold and other elements of interest on Figures 7 to 17 (Figures 6 to 17 follow Appendix E).

The rock samples returned less than 13 ppb Au, 5343 ppb Ag, 516 ppm Cu, 18.5 ppm Pb and 2522.6 ppm Zn. Sample number 122302 (Photo 3) is a gossanous quartz-rich unit containing a high number of dark brown stringers. This unit returned values of 11 ppb Au and 1625 ppb Ag which also coincided with an approximate 200 m wide Au, Ag and As anomaly identified in soils (samples 122381-122382, 122389). Another sample (122303) described to display intense Fe-stained quartz veining through slate which is located within the same soil anomaly returned the highest value of Au in rock (13 ppb) on the property. In the upper part of the Drill Creek drainage, sample 1300701 (Photo 2) returned anomalous Ag values (2506 ppb Ag) but no Au.

Two ferricrete samples (122307 and 122308) from the historically anomalous Drill Creek area were analysed in order to test whether hydromorphic transport of elements has occurred in the area. These samples returned the two highest Zn values (811.7 ppm and 2522.6 ppm respectively) and sample 122307 returned the highest Pb value (18.5 ppb) in rock samples. From this test, Zn was found was to be mobile in the surficial environment and therefore Zn anomalies should be evaluated in conjunction with additional elemental anomalies.

A total of 434 soil samples were collected, screened to -80 mesh with a 15 gram split digested by aqua regia and analyzed by ultratrace ICP-MS for gold and an additional 36 elements. Sample locations and analytical results are presented in Appendix C. Soil sample locations are shown on Figure 6 and results for gold and other elements of interest on Figures 7 to 17. The soil samples were collected by a hand augers from an approximate depth of 0.3 m. Soil samples were collected based on a 200 m x 100 m grid over the whole property, however full coverage was unable to be achieved due to the availability of thawed ground.

Analytical results from soil samples yielded a number of significant anomalous values for Au, Ag, As, Pb, Zn and Tl; however, there appears to be two different elemental associations observed on the property. Au and As have a high positive correlation, which appears to coincide with ultramafic lithologies on the western side of the thrust fault and associated gossanous zones. Elements Ag, Pb, Zn and Tl also have a good correlation and higher values for these elements concentrate in and around the Drill Creek drainage. The main Ag and Tl anomalies are located in the saddle at the headwaters of Drill Creek, the area underlain by graphitic shales

hosting deformed quartz veins, which also returned anomalous Ag values. Results from the 2012 reconnaissance sampling program, samples in indicate two related types of chemical anomalies (Au-As and Ag-Tl-Pb-Zn) that as whole form a roughly NW-SE trending geochemical anomaly approximately 3 kilometers long and up to one kilometer wide.

A total of 3 stream sediment samples were collected, screened to -150 mesh, with a 30 gram and a 50 gram subsample being analyzed separately. The 30 gram sample was digested by aqua regia and analyzed by ultratrace ICP-MS for gold and an additional 36 elements (method 1F03). The 50 gram sub sample underwent a lead collection fire assay followed by an ICP-ES analysis for gold (method 3B01-3B04). Stream sediment samples were collected from natural depositional environments such as river bars, wet sieved at the sample site to minus 2 mm with care being taken to minimize loss of fines, placed in plastic bags, water decanted after settling and shipped to the lab while still wet or damp. Initial sieved sample weights varied between 1 and 3 kilograms. Stream sediment sample locations are shown on Figure 6, tabulated in Appendix D and results shown on Figures 7 to 17 for elements of interest.

The two samples draining the historic Drill Creek area returned anomalous gold (>6 ppb Au) and silver (2727 ppb Ag) values. These samples generally correlated strongly with anomalous values for Pb, Zn, Cu, Hg, Mn, Ni, Mo.

Conclusions and Recommendations

Results from Rackla Metals 2012 reconnaissance geochemical sampling program have identified a 3 x 1 kilometer multi-element anomaly at the headwaters of the historic Drill Creek anomaly, including elements gold, silver, arsenic, lead and zinc. This anomaly has two different mineral associations; an Au-As and an Ag-Tl-Pb-Zn system. The systems are thought to be related; however, they could be two separate systems that have exploited the same structural weakness.

The area is underlain by a sequence of deep-water sedimentary rock (shales, argillite) that has experienced a period of regional E-W(?) compression resulting in a thrusting event causing the juxtaposition of a greenstone unit with the fine-grained sedimentary rocks. The property is cut by a sequence of NW-SE trending faults that intersect the anomalous area and are thought to play an important role in the introduction of metalliferous hydrothermal fluid.

The 2012 analytical results may indicate the presence of a significant precious metal – base metal hydrothermal system focused in and around the Drill Creek drainage.

Additional rock and soil sediment geochemical surveys, along with geological mapping and prospecting over and around the identified geochemical anomalies are recommended to better define the existing anomalies.

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

Statement of Costs

The following costs were incurred on the Iola property in 2012.

Rackla Metals Inc. - Iola Property Estimated 2012 Eligible Expenditures Fieldwork carried out June 7- 17, 2012	
Helicopter including fuel	$12,205
Labour (Rackla and Bros Exploration)	15,853
Geochemistry	11,346
Camp and Supplies	3,926
Vehicle Rental (inc. mileage)	4,038
Report and Reprographics	4,500
Total	**$51,868**

Respectfully submitted, April 15, 2013

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

Timothy Wrighton, M.Sc. (candidate)

Statement of Qualifications RWH

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 co-author of this report on the Iola property (comprised of the Iola 1-80 claims) in the Whitehorse Mining District, Yukon.

6. The work was described in the report was carried out under my supervision from June 7 to June 17, 2012.

7. I was on portions of the Iola property June 7 and June 12, 2012.

8. The report is based on results and descriptions provided by co-workers and on referenced sources.

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

April 15, 2013

Statement of Qualifications TW

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 I am currently completing my Masters degree in geology from the University of British Columbia.

2. I am a member of the Society of Economic Geology.

3. I am the co-author of this report on the Iola property (comprised of the Iola 1-80 claims) in the Whitehorse Mining District, Yukon.

4. The work described in the report was carried out by myself and co-workers, from June 7th to June 17th, 2012.

5. I was on the Iola 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. (candidate)

April 15, 2013

References

Galeski, R.B., 1967. Gravity Interpretation, Cariboo Creek Claims. Assessment report for Iola Mines Ltd., Yukon Energy Mines and Resources Library, #017501.

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Appendix A

2012 Analytical Certificates

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

www.acmelab.com

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

Submitted By: Roger Hulstein
Receiving Lab: Canada-Whitehorse
Received: June 19, 2012
Report Date: July 09, 2012
Page: 1 of 12

CERTIFICATE OF ANALYSIS WHI12000127.1

CLIENT JOB INFORMATION

Project: IOLA
Shipment ID: 2012-1
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	320	Dry at 60C			WHI
SS80	320	Dry at 60C sieve 100g to -80 mesh			WHI
1F02	320	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN
RJSV	320	Saving all or part of Soil Reject			WHI
7TD	1	4-acid Digestion ICP-ES Finish	0.5	Completed	VAN

ADDITIONAL COMMENTS

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

CC: Samantha Dyck
Simon Ridgway
Database Backup

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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

Project: IOLA
Report Date: July 09, 2012

CERTIFICATE OF ANALYSIS WHI12000127.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
122351	Soil	38.19	94.36	18.30	45.7	21009	7.8	0.7	31	1.87	63.8	44.3	2.6	4.9	93.2	1.08	21.10	0.14	458	0.34	1.542
122352	Soil	122.8	60.89	32.40	8.4	13893	3.4	0.2	8	3.37	167.8	20.1	4.8	8.0	78.4	0.20	59.33	0.28	1037	0.01	0.549
122353	Soil	79.05	40.43	38.22	23.3	5562	5.2	0.6	36	4.11	113.8	16.8	8.5	5.1	44.4	0.48	64.96	0.34	132	0.02	1.114
122354	Soil	34.59	107.2	34.74	834.0	4858	104.3	5.0	102	3.63	60.0	6.8	6.7	0.6	613.6	3.84	22.19	0.26	113	0.53	0.600
122355	Soil	48.55	107.7	22.95	516.3	3445	83.1	9.8	173	5.17	81.7	2.5	3.6	3.9	172.9	2.19	24.87	0.21	29	0.04	0.159
122356	Soil	15.61	35.27	22.35	47.7	1597	10.1	1.1	34	1.57	24.5	2.6	4.2	3.7	42.4	0.21	6.79	0.17	78	0.02	0.092
122357	Soil	9.29	35.10	19.78	67.5	1567	17.2	5.9	227	2.12	33.7	1.7	4.1	2.5	38.6	0.48	3.30	0.25	79	0.06	0.080
122358	Soil	24.82	63.54	53.10	286.6	2671	87.3	15.5	1817	1.66	29.9	9.9	2.5	5.7	106.0	8.12	11.50	0.25	136	0.14	0.234
122359	Soil	32.15	49.46	18.29	123.9	2436	22.9	1.5	45	1.64	19.2	14.0	2.1	5.3	87.4	0.92	8.91	0.15	148	0.10	0.388
122360	Soil	78.02	31.17	21.55	21.6	1816	6.1	0.7	27	1.13	17.5	12.8	2.8	3.6	59.5	0.36	14.97	0.14	182	0.02	0.225
122361	Soil	27.03	34.65	26.12	59.5	3056	16.6	2.7	79	1.72	35.2	9.3	5.4	5.9	77.2	0.65	9.02	0.24	96	0.09	0.331
122362	Soil	32.42	36.78	50.74	98.2	2893	16.6	1.6	41	2.12	74.8	4.1	4.9	6.4	123.3	0.60	11.80	0.35	139	0.04	0.245
122363	Soil	15.11	38.66	31.07	58.7	1737	8.0	0.7	22	1.42	71.8	1.2	3.4	6.2	195.2	0.44	8.38	0.26	40	0.01	0.080
122364	Soil	7.98	54.99	43.91	296.9	823	39.8	4.3	89	2.80	50.9	2.2	2.8	7.4	89.7	1.80	5.61	0.28	21	0.03	0.131
122365	Soil	5.30	36.99	116.3	171.8	1696	31.4	12.1	337	2.14	53.8	1.3	3.5	5.1	43.3	0.85	4.93	0.83	23	0.05	0.089
122366	Soil	7.26	27.01	356.1	142.7	4558	32.2	4.6	230	2.22	70.7	1.0	3.6	4.8	46.0	0.70	5.32	2.86	27	0.05	0.101
122367	Soil	5.29	31.91	166.7	174.6	2607	37.7	7.4	207	2.67	50.7	1.7	4.0	5.5	67.8	1.40	4.60	1.78	46	0.12	0.138
122368	Soil	8.71	44.26	144.4	238.1	1774	43.1	6.2	123	2.83	105.0	2.2	4.0	4.7	42.8	1.92	6.13	1.26	46	0.06	0.105
122369	Soil	4.20	28.68	38.89	201.2	1360	80.0	11.0	228	2.86	38.5	1.1	1.2	5.1	31.3	1.68	2.71	0.35	44	0.20	0.140
122370	Soil	7.43	34.71	47.49	174.7	723	68.5	10.4	254	2.41	34.8	1.4	2.1	4.1	47.9	2.18	4.12	0.38	49	0.12	0.119
122371	Soil	27.96	35.23	25.13	111.4	1059	31.0	4.1	120	2.22	80.0	2.8	5.5	2.2	88.3	0.45	10.94	0.16	105	0.04	0.120
122372	Soil	50.21	37.33	42.54	79.8	3767	20.0	1.2	30	2.62	82.5	21.1	4.5	5.7	128.1	0.37	14.49	0.19	288	0.05	0.470
122373	Soil	24.35	74.53	36.97	439.3	1447	72.5	8.4	151	3.18	56.9	3.5	3.4	5.8	52.0	1.11	5.10	0.27	40	0.03	0.142
122374	Soil	8.22	70.15	119.5	169.4	1749	40.4	4.8	107	3.16	101.7	1.7	3.3	4.9	29.2	0.90	6.52	0.50	42	0.05	0.297
122375	Soil	9.98	86.84	140.5	193.2	2564	42.8	5.2	132	2.26	77.8	2.4	3.3	4.4	37.0	0.67	7.39	0.39	43	0.04	0.123
122376	Soil	3.29	26.10	22.44	169.4	278	37.4	5.5	105	2.05	50.5	0.6	1.6	3.1	13.2	0.35	3.69	0.22	32	0.04	0.060
122377	Soil	2.22	29.31	17.40	143.1	316	47.6	10.6	333	2.21	31.4	0.9	3.0	6.3	16.7	0.67	3.01	0.13	27	0.16	0.085
122378	Soil	2.39	21.27	19.11	106.5	352	31.8	5.2	98	1.93	21.8	0.7	1.8	5.3	9.6	0.45	1.72	0.16	30	0.05	0.045
122379	Soil	3.24	45.23	20.40	153.7	721	59.0	11.7	213	2.65	33.5	1.1	2.6	6.8	12.0	0.93	2.48	0.18	31	0.06	0.067
122380	Soil	2.53	30.37	17.98	178.5	406	61.2	15.0	370	3.08	13.0	0.8	1.0	4.2	18.2	1.26	1.51	0.20	32	0.16	0.059

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Project: IOLA
Report Date: July 09, 2012

CERTIFICATE OF ANALYSIS WHI12000127.1

		Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	As
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%
		MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
122351	Soil		58.6	129.3	0.05	584.6	0.019	2	1.33	<0.001	0.08	1.2	5.4	1.13	0.07	3961	29.9	0.34	2.7	
122352	Soil		36.5	116.7	0.03	942.6	0.006	2	0.59	<0.001	0.17	1.6	8.3	1.40	0.28	3233	76.9	0.63	15.3	
122353	Soil		17.1	55.0	0.04	476.9	0.009	2	0.69	0.001	0.19	1.7	3.0	1.21	0.39	581	46.5	0.25	2.5	
122354	Soil		12.2	31.5	0.04	1396	0.005	3	0.89	<0.001	0.07	1.0	1.2	1.28	0.07	223	20.4	0.32	1.4	
122355	Soil		20.0	31.2	0.17	384.1	0.017	<1	0.90	<0.001	0.04	0.4	3.8	0.47	0.07	57	30.3	0.11	1.7	
122356	Soil		23.9	14.5	0.04	563.9	0.004	1	0.46	<0.001	0.06	0.3	1.3	0.43	0.06	100	7.9	0.10	1.3	
122357	Soil		17.2	24.2	0.15	558.9	0.031	1	0.73	0.001	0.07	0.2	1.9	0.51	0.06	94	3.5	0.11	3.6	
122358	Soil		20.2	19.5	0.07	1738	0.009	3	0.63	<0.001	0.12	0.5	3.0	0.68	0.07	464	9.5	0.14	1.7	
122359	Soil		24.3	34.0	0.03	1216	0.007	2	0.87	<0.001	0.07	0.5	3.3	0.97	0.08	830	11.4	0.14	1.2	
122360	Soil		19.1	24.3	0.03	679.0	0.007	1	0.55	<0.001	0.08	1.1	1.9	1.90	0.13	1288	26.9	0.28	1.7	
122361	Soil		18.7	26.6	0.17	674.6	0.020	2	0.80	0.001	0.07	0.6	3.2	0.50	0.09	542	16.4	0.15	2.2	
122362	Soil		21.6	17.1	0.05	1084	0.011	<1	0.63	<0.001	0.08	0.7	1.9	0.76	0.12	96	11.7	0.19	2.4	
122363	Soil		23.7	6.0	0.02	541.8	0.003	<1	0.32	<0.001	0.05	0.2	0.8	0.71	0.09	54	5.9	0.14	0.8	
122364	Soil		18.9	16.1	0.12	279.1	0.010	<1	0.66	0.001	0.11	0.3	1.6	0.52	0.09	21	5.0	0.06	1.4	
122365	Soil		15.8	18.8	0.11	202.7	0.015	<1	0.75	0.002	0.05	0.5	1.7	0.22	0.05	43	1.8	0.08	1.3	
122366	Soil		16.7	22.9	0.14	213.1	0.016	<1	0.57	0.001	0.05	0.4	1.4	0.20	0.05	60	2.2	0.13	1.6	
122367	Soil		17.9	38.6	0.41	447.1	0.039	1	0.94	0.003	0.09	0.5	2.6	0.24	0.06	56	3.0	0.11	3.1	
122368	Soil		16.6	26.4	0.20	559.0	0.018	<1	1.07	0.001	0.06	1.2	2.2	0.26	0.06	70	2.8	0.09	2.7	
122369	Soil		15.4	78.7	0.63	349.2	0.040	<1	1.12	0.004	0.07	0.4	2.9	0.14	0.02	23	1.2	0.06	3.5	
122370	Soil		14.1	79.0	0.64	472.3	0.035	1	0.89	0.002	0.07	0.4	2.5	0.22	0.04	28	2.5	0.07	2.9	
122371	Soil		21.2	33.0	0.15	380.6	0.015	<1	0.79	<0.001	0.06	0.5	1.8	0.62	0.08	110	6.5	0.11	2.1	
122372	Soil		24.0	62.4	0.05	436.6	0.011	<1	1.24	<0.001	0.06	0.8	3.5	1.46	0.08	435	8.8	0.19	2.1	
122373	Soil		22.1	14.5	0.05	288.4	0.003	1	0.65	<0.001	0.08	0.3	1.7	0.38	0.07	66	6.2	0.10	1.0	
122374	Soil		16.5	23.8	0.17	200.7	0.013	<1	0.90	0.001	0.06	0.5	1.9	0.28	0.05	58	2.7	0.10	1.9	
122375	Soil		16.6	21.4	0.14	245.9	0.012	<1	0.83	<0.001	0.05	0.3	2.1	0.26	0.05	102	3.7	0.08	1.5	
122376	Soil		22.4	23.7	0.06	55.5	0.031	<1	0.49	0.002	0.03	0.2	1.2	0.10	<0.02	6	1.0	<0.02	3.3	
122377	Soil		22.4	31.7	0.26	124.1	0.032	<1	0.75	0.003	0.04	0.2	2.1	0.08	<0.02	46	0.7	<0.02	1.9	
122378	Soil		23.8	26.5	0.14	174.9	0.016	<1	0.79	0.002	0.05	0.2	1.5	0.10	<0.02	34	0.7	<0.02	2.6	
122379	Soil		23.9	39.7	0.25	162.7	0.016	<1	0.95	0.002	0.07	0.2	2.5	0.12	<0.02	81	1.5	0.05	2.2	
122380	Soil		17.5	45.4	0.27	147.8	0.018	<1	0.97	0.005	0.07	0.1	2.1	0.10	<0.02	20	0.6	0.05	3.1	

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Project: IOLA
Report Date: July 09, 2012

CERTIFICATE OF ANALYSIS WHI12000127.1

		Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
122381	Soil		0.73	174.1	5.19	85.7	12164	32.3	28.5	328	7.47	508.8	0.1	20.1	0.2	90.2	0.16	129.9	0.04	26	0.11	0.106
122382	Soil		1.53	70.96	22.37	156.4	5219	129.0	32.2	422	9.15	743.0	0.2	21.2	0.3	59.7	0.59	21.60	0.11	25	0.03	0.116
122383	Soil		0.86	46.65	5.79	84.8	118	50.5	22.6	970	4.74	14.7	0.3	8.7	0.8	10.0	0.58	1.02	0.10	105	0.21	0.055
122384	Soil		0.98	50.61	8.50	79.3	71	77.2	18.0	898	4.03	25.3	0.4	1.3	0.9	7.4	0.28	0.97	0.13	73	0.13	0.067
122385	Soil		0.96	54.15	9.61	66.0	93	102.7	25.0	811	4.04	23.9	0.5	2.6	3.5	12.8	0.12	0.86	0.13	73	0.24	0.033
122386	Soil		1.01	39.90	7.15	57.1	52	149.0	30.7	989	4.10	20.3	0.4	2.7	0.8	8.5	0.28	0.92	0.11	66	0.17	0.054
122387	Soil		1.01	59.24	7.15	74.4	51	107.7	26.6	734	4.38	37.9	0.4	5.2	1.9	10.0	0.23	1.28	0.16	83	0.21	0.035
122388	Soil		1.09	70.77	6.97	71.9	52	130.3	32.8	874	4.76	25.3	0.4	2.8	2.7	10.5	0.23	1.33	0.15	84	0.26	0.047
122389	Soil		3.91	226.0	33.27	322.8	1134	179.9	60.1	4014	9.50	279.7	0.8	4.7	2.5	6.2	0.82	12.02	0.15	44	0.07	0.081
122390	Soil		1.14	37.47	8.01	62.6	137	118.6	27.2	868	4.71	47.2	0.3	22.3	2.1	8.6	0.19	1.58	0.09	75	0.19	0.040
122391	Soil		5.39	65.41	16.65	89.0	541	50.7	21.6	735	4.26	216.6	1.0	7.0	0.9	24.9	0.28	4.73	0.10	133	0.22	0.060
122392	Soil		3.29	45.32	34.44	39.9	1441	19.9	6.8	228	2.03	58.3	1.0	2.4	1.0	18.9	0.25	2.19	0.12	86	0.21	0.039
122393	Soil		22.24	42.17	2184	72.8	6696	21.1	3.0	49	2.02	173.3	1.7	11.9	6.3	52.7	0.70	11.43	2.27	70	0.05	0.092
122394	Soil		3.32	12.83	47.28	49.7	419	23.9	3.3	81	1.06	17.0	0.8	0.5	1.0	18.9	0.49	1.40	0.26	36	0.07	0.034
122395	Soil		5.03	17.22	82.84	59.3	788	31.2	3.2	35	1.46	29.3	0.7	1.0	4.3	28.1	0.36	2.49	0.28	38	0.03	0.048
122396	Soil		3.87	8.74	106.2	35.1	501	17.2	2.4	63	1.01	18.8	0.5	0.7	4.4	12.7	0.25	1.76	0.28	28	0.05	0.022
122397	Soil		1.28	7.71	30.51	27.6	344	23.8	3.7	82	0.86	10.5	0.4	1.4	1.1	14.7	0.37	0.92	0.17	29	0.08	0.022
122398	Soil		6.53	30.41	111.3	153.5	774	147.2	14.0	302	3.48	83.7	1.3	1.9	3.9	33.9	1.06	4.14	0.46	71	0.09	0.221
122399	Soil		9.43	101.5	296.7	175.3	1945	35.6	3.6	78	5.65	178.7	6.3	3.8	2.5	440.8	1.14	12.51	0.67	117	0.14	0.396
122400	Soil		4.33	263.4	31.18	229.0	4337	197.3	127.7	9280	13.52	>10000	1.0	1097	1.4	78.7	0.53	72.30	0.22	76	0.41	0.100
1300851	Soil		0.32	28.23	4.46	29.3	31	577.2	87.7	943	4.13	20.5	0.2	0.6	0.8	19.6	0.18	1.53	0.04	57	0.31	0.029
1300852	Soil		1.96	39.04	5.26	77.1	60	313.4	36.6	441	3.58	33.4	0.4	2.5	1.3	26.6	0.28	1.31	0.05	95	0.28	0.043
1300853	Soil		0.42	196.4	14.45	103.7	77	135.5	37.2	1998	4.67	19.5	0.2	1.5	0.3	39.3	0.39	1.04	0.26	113	0.69	0.112
1300854	Soil		0.69	24.39	4.36	42.8	85	954.1	126.1	1491	4.05	19.8	0.3	1.3	0.5	16.2	0.32	3.53	0.04	67	0.48	0.090
1300855	Soil		0.40	30.77	2.93	22.8	69	1982	485.9	4120	3.57	19.6	0.2	1.7	0.3	14.7	0.26	10.47	0.02	51	0.53	0.059
1300856	Soil		0.57	12.58	5.28	60.2	35	281.2	56.7	846	3.46	7.2	0.3	1.0	1.8	13.7	0.21	2.20	0.09	59	0.17	0.036
1300857	Soil		0.51	31.23	2.87	39.7	60	954.5	85.0	1373	5.27	38.8	0.3	2.2	0.6	9.7	0.19	2.43	0.03	51	0.24	0.051
1300858	Soil		0.89	30.88	5.12	52.5	55	471.7	47.6	630	3.61	16.9	0.3	3.3	1.2	11.0	0.38	1.76	0.09	101	0.20	0.043
1300859	Soil		0.33	44.57	2.79	31.5	129	520.9	32.6	461	3.09	39.9	0.4	4.7	0.4	11.4	0.17	3.09	0.03	51	0.43	0.093
1300860	Soil		0.72	24.45	4.17	47.6	42	369.5	57.7	912	3.77	23.8	0.3	1.1	1.0	11.2	0.28	3.11	0.05	63	0.15	0.048

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Project: IOLA
Report Date: July 09, 2012

CERTIFICATE OF ANALYSIS WHI12000127.1

		Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	As
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%
		MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
122381	Soil		2.6	7.4	0.09	262.8	0.002	<1	0.57	0.057	0.12	1.3	18.7	0.09	0.37	66	1.5	0.02	1.1	
122382	Soil		4.5	42.0	0.15	234.0	0.014	1	0.78	0.014	0.30	27.2	13.5	0.33	0.59	91	2.3	0.14	1.6	
122383	Soil		5.2	85.7	1.14	181.8	0.136	2	2.41	0.003	0.06	<0.1	6.8	0.08	0.03	48	<0.1	0.04	7.8	
122384	Soil		9.2	121.0	0.94	131.1	0.084	1	2.02	0.001	0.05	0.3	4.8	0.09	0.03	35	0.2	0.04	5.7	
122385	Soil		12.2	118.5	1.03	262.6	0.079	1	2.22	0.002	0.05	0.2	6.1	0.11	<0.02	27	0.2	<0.02	5.6	
122386	Soil		8.9	195.6	1.24	121.3	0.069	2	2.08	0.001	0.04	0.1	4.7	0.09	0.02	36	0.2	<0.02	4.9	
122387	Soil		8.7	155.9	1.26	208.4	0.065	2	2.43	0.002	0.04	0.2	6.3	0.11	<0.02	28	0.1	0.02	6.3	
122388	Soil		9.8	165.8	1.31	196.8	0.064	2	2.53	0.002	0.05	0.3	7.2	0.10	<0.02	24	0.2	0.02	5.9	
122389	Soil		18.6	89.8	0.51	480.2	0.019	2	1.39	<0.001	0.04	0.8	19.9	0.10	<0.02	41	1.7	0.06	2.9	
122390	Soil		6.8	181.9	1.23	233.8	0.128	2	2.01	0.001	0.04	0.3	5.2	0.09	<0.02	31	0.2	0.05	5.9	
122391	Soil		11.1	76.1	0.98	328.6	0.061	1	2.13	0.002	0.05	0.2	7.3	0.27	0.03	22	2.4	0.06	6.2	
122392	Soil		7.5	35.0	0.37	525.7	0.033	2	1.13	0.017	0.06	0.2	4.2	0.17	0.02	59	1.3	0.05	4.8	
122393	Soil		17.1	30.7	0.11	335.9	0.012	<1	0.66	<0.001	0.10	1.0	1.4	0.54	0.18	457	20.8	0.55	2.5	
122394	Soil		15.2	48.5	0.15	238.2	0.020	<1	0.46	0.007	0.06	0.2	0.9	0.17	0.03	23	1.0	<0.02	2.3	
122395	Soil		19.8	39.5	0.07	316.3	0.014	<1	0.37	0.002	0.06	0.2	0.8	0.20	0.07	13	2.7	0.05	2.0	
122396	Soil		16.4	19.8	0.17	153.9	0.047	<1	0.49	0.003	0.11	0.2	0.9	0.26	0.03	23	1.3	0.04	3.2	
122397	Soil		10.5	47.4	0.22	180.1	0.030	<1	0.57	0.010	0.05	0.2	0.9	0.08	<0.02	15	0.5	0.03	2.7	
122398	Soil		15.0	221.7	1.07	434.7	0.014	3	1.19	0.002	0.08	0.3	2.9	0.27	0.06	21	3.1	0.12	3.4	
122399	Soil		14.6	47.9	0.14	1756	0.011	1	1.39	0.001	0.10	0.5	5.0	0.36	0.16	73	2.5	0.24	3.7	
122400	Soil		10.3	36.2	0.56	379.0	0.016	4	1.15	0.009	0.17	1.5	36.3	0.94	0.09	110	1.3	0.31	2.8	1.24
1300851	Soil		3.5	710.5	3.74	114.3	0.033	6	1.38	0.009	0.03	<0.1	8.0	0.04	<0.02	23	0.2	0.05	3.5	
1300852	Soil		6.5	433.8	2.00	134.9	0.083	2	2.06	0.006	0.04	<0.1	4.6	0.14	<0.02	16	0.5	0.03	5.8	
1300853	Soil		4.4	186.3	2.10	276.0	0.024	2	2.99	0.009	0.07	<0.1	9.4	0.16	0.03	27	0.2	0.11	9.4	
1300854	Soil		3.0	938.7	7.00	170.2	0.017	15	1.01	0.006	0.05	0.2	11.6	0.05	0.06	60	0.3	0.04	2.5	
1300855	Soil		1.7	834.9	13.20	181.2	0.011	34	0.67	0.004	0.04	0.2	8.1	0.07	0.04	62	0.2	<0.02	1.8	
1300856	Soil		8.0	394.4	2.00	207.4	0.057	5	1.32	0.012	0.04	0.2	4.1	0.07	<0.02	20	<0.1	<0.02	4.3	
1300857	Soil		3.2	954.8	5.93	104.5	0.019	13	1.18	0.004	0.04	<0.1	12.4	0.04	0.03	40	0.2	0.03	2.8	
1300858	Soil		5.9	654.0	1.59	110.1	0.060	1	1.51	0.006	0.03	0.2	6.0	0.06	<0.02	15	0.2	0.05	5.5	
1300859	Soil		3.8	494.3	2.54	71.4	0.019	9	1.16	0.020	0.04	<0.1	7.8	0.04	0.05	38	0.3	<0.02	2.5	
1300860	Soil		5.4	508.4	2.56	152.5	0.033	8	1.36	0.010	0.04	0.2	7.8	0.06	<0.02	15	0.3	0.04	3.4	

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CERTIFICATE OF ANALYSIS WHI12000127.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1300861	Soil	0.70	34.72	4.60	45.0	96	737.3	76.5	1195	4.66	42.0	0.3	34.7	1.4	5.6	0.31	2.07	<0.02	57	0.13	0.027
1300862	Soil	0.62	21.99	5.08	67.7	39	382.3	52.7	1045	4.11	22.0	0.3	41.1	1.6	8.1	0.36	1.87	0.07	48	0.13	0.036
1300863	Soil	12.03	38.52	22.07	41.8	905	13.4	2.0	66	1.87	34.4	2.2	2.2	3.9	32.1	0.28	5.99	0.18	124	0.06	0.216
1300864	Soil	14.55	38.28	35.35	98.0	1065	17.2	1.9	39	1.58	54.9	3.0	1.9	1.2	72.8	0.63	5.55	0.24	94	0.03	0.110
1300865	Soil	24.72	18.57	19.29	38.4	1182	15.3	3.3	76	2.00	33.3	2.8	2.2	0.2	25.3	0.25	5.43	0.22	120	0.06	0.096
1300866	Soil	11.31	15.37	27.99	41.4	1075	9.5	1.3	35	1.32	19.4	1.0	1.4	2.4	39.7	0.14	4.26	0.25	44	0.03	0.078
1300867	Soil	46.24	79.42	74.45	48.0	4375	18.9	1.7	128	1.83	51.6	38.2	4.6	2.6	209.0	4.35	13.24	0.36	194	0.13	1.114
1300868	Soil	36.65	46.40	24.23	26.9	1984	7.4	0.8	79	3.13	54.8	3.6	10.9	3.2	69.4	0.14	13.61	0.43	61	0.02	0.182
1300869	Soil	8.09	38.80	41.22	151.4	1293	31.0	3.8	83	2.93	82.4	1.5	2.6	3.9	70.4	0.65	5.72	0.31	49	0.03	0.217
1300870	Soil	6.47	28.76	37.62	112.4	1128	27.8	4.7	135	2.76	53.2	1.0	1.5	4.4	46.4	0.41	4.76	0.26	44	0.04	0.105
1300871	Soil	3.11	23.10	24.20	84.6	380	37.9	8.0	217	2.39	33.9	0.7	5.2	4.2	25.6	0.61	3.40	0.17	43	0.09	0.060
1300872	Soil	1.93	20.52	16.67	258.7	1368	39.2	11.6	657	3.33	13.5	0.4	1.9	2.5	14.9	5.21	1.72	0.20	69	0.12	0.108
1300873	Soil	2.90	20.93	54.14	117.6	857	25.2	5.0	130	1.86	32.3	0.7	3.7	6.7	32.0	1.35	3.24	0.32	27	0.05	0.059
1300874	Soil	2.76	39.49	92.99	222.0	639	36.3	6.6	156	2.05	36.0	0.9	1.8	2.9	47.0	2.32	4.90	0.39	23	0.05	0.075
1300875	Soil	2.64	67.98	47.91	330.6	782	53.3	11.5	327	2.61	54.5	1.2	1.7	3.1	39.7	1.41	6.19	0.24	19	0.02	0.068
1300876	Soil	4.23	33.50	39.96	176.3	1090	28.0	3.7	78	2.15	64.5	0.6	1.4	4.3	43.1	1.92	6.17	0.24	22	0.02	0.061
1300877	Soil	6.49	69.75	74.60	265.3	1050	56.4	8.5	215	2.02	59.1	2.8	5.8	2.5	35.7	2.53	6.73	0.44	21	0.09	0.109
1300878	Soil	4.46	38.60	93.02	201.9	1008	48.4	7.0	217	2.15	52.2	1.5	3.9	4.3	28.2	1.24	5.07	0.75	27	0.07	0.064
1300879	Soil	2.23	25.97	272.7	46.5	7171	13.4	1.5	75	0.67	15.5	0.6	2.9	0.6	37.2	0.61	1.67	2.39	15	0.06	0.060
1300880	Soil	3.98	27.91	55.50	98.0	2423	23.0	2.8	89	1.38	26.9	0.8	1.8	0.3	30.7	1.04	2.60	0.38	22	0.08	0.088
1300881	Soil	7.21	40.96	50.50	140.8	1170	38.7	6.6	178	2.11	46.3	1.6	4.3	2.8	39.7	0.89	5.02	0.33	42	0.07	0.104
1300882	Soil	2.06	18.43	10.85	74.6	249	53.5	8.9	343	2.03	10.5	0.5	1.4	1.9	17.2	0.68	1.12	0.13	44	0.17	0.052
1300883	Soil	3.38	29.31	11.30	94.3	133	62.4	10.1	366	2.14	13.6	0.5	2.3	3.3	26.1	0.60	1.56	0.14	42	0.19	0.048
1300884	Soil	6.75	25.97	17.80	151.0	324	49.1	5.9	130	1.63	19.6	0.6	3.0	3.8	31.6	0.80	2.78	0.14	30	0.06	0.050
1300885	Soil	7.46	28.01	19.09	226.1	698	50.7	5.7	119	3.08	26.4	1.0	2.1	4.0	39.2	1.30	4.79	0.17	53	0.06	0.142
1300886	Soil	13.31	59.03	33.57	300.0	2142	56.4	6.5	148	2.67	59.0	2.6	4.2	5.4	59.9	1.46	9.92	0.16	53	0.06	0.119
1300887	Soil	14.83	18.73	185.1	51.5	3822	17.2	1.9	49	2.22	12.5	0.6	4.8	4.3	76.8	0.19	4.87	0.28	61	0.03	0.087
1300888	Soil	2.92	49.24	20.99	192.3	1506	26.5	6.1	256	2.44	22.0	1.0	3.4	2.8	56.8	0.37	1.80	0.27	49	0.05	0.140
1300889	Soil	5.40	35.81	18.30	114.8	118	34.4	4.8	208	1.87	14.1	0.6	2.0	3.0	21.5	0.29	2.36	0.20	51	0.05	0.058
1300890	Soil	2.32	42.32	14.80	99.9	286	44.5	12.2	754	3.25	21.6	0.6	1.5	3.1	8.7	0.27	1.41	0.21	62	0.08	0.071

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	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	As
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1300861	Soil	5.5	812.4	4.38	147.7	0.012	10	1.15	0.001	0.03	<0.1	13.5	0.07	<0.02	33	0.2	<0.02	2.7	
1300862	Soil	6.8	551.6	2.51	153.2	0.029	5	1.18	0.003	0.03	0.2	7.5	0.06	<0.02	7	<0.1	0.03	3.4	
1300863	Soil	18.3	24.9	0.11	310.1	0.024	2	0.72	<0.001	0.09	0.5	1.9	0.48	0.05	45	5.0	0.10	4.2	
1300864	Soil	23.5	14.7	0.06	430.7	0.005	1	0.54	<0.001	0.09	0.3	0.8	0.58	0.09	74	6.0	0.09	2.0	
1300865	Soil	19.4	28.8	0.15	301.9	0.013	1	0.80	0.003	0.07	0.3	0.6	0.50	0.07	123	7.8	0.09	4.9	
1300866	Soil	20.7	12.3	0.03	346.8	0.023	<1	0.36	0.002	0.07	0.2	0.9	0.28	0.07	22	5.2	0.08	3.1	
1300867	Soil	21.0	57.3	0.09	2673	0.012	2	1.81	0.004	0.10	2.1	3.2	0.77	0.08	126	16.9	0.30	3.6	
1300868	Soil	23.8	15.5	0.05	484.8	0.005	1	0.70	0.011	0.23	0.5	1.9	0.40	0.39	107	20.8	0.19	3.6	
1300869	Soil	20.6	21.8	0.11	251.4	0.015	<1	0.76	0.002	0.07	0.4	1.3	0.36	0.07	23	2.6	0.08	2.6	
1300870	Soil	16.0	32.4	0.20	183.3	0.022	<1	1.01	0.002	0.05	0.3	1.5	0.23	0.04	27	2.3	0.11	3.0	
1300871	Soil	14.0	52.7	0.40	136.3	0.046	1	1.16	0.002	0.04	0.4	2.3	0.11	<0.02	16	1.2	0.05	2.8	
1300872	Soil	11.8	67.2	0.54	415.6	0.073	<1	1.66	0.004	0.08	0.3	3.4	0.12	<0.02	24	0.4	0.05	6.2	
1300873	Soil	22.7	25.0	0.20	329.2	0.028	<1	0.61	0.003	0.08	0.4	1.4	0.20	0.07	18	1.2	0.07	2.2	
1300874	Soil	14.4	19.4	0.18	415.9	0.018	1	0.50	0.003	0.07	0.4	1.6	0.17	0.05	11	1.4	0.12	2.3	
1300875	Soil	14.4	15.6	0.07	342.1	0.004	<1	0.60	0.002	0.08	0.2	1.8	0.22	0.04	17	0.9	0.06	1.6	
1300876	Soil	19.6	13.0	0.09	494.9	0.012	<1	0.43	0.002	0.10	0.3	1.0	0.30	0.11	10	0.9	0.13	2.0	
1300877	Soil	18.6	15.7	0.17	215.4	0.007	<1	0.53	0.001	0.06	0.5	1.2	0.21	0.04	144	2.3	0.09	1.2	
1300878	Soil	17.3	29.1	0.22	315.4	0.016	<1	0.70	0.002	0.05	1.0	1.7	0.16	0.03	78	1.7	0.07	1.9	
1300879	Soil	16.6	16.4	0.11	209.2	0.009	<1	0.41	0.003	0.04	0.4	0.5	0.19	0.02	74	1.6	0.04	1.6	
1300880	Soil	14.5	20.6	0.13	233.1	0.007	<1	0.51	0.003	0.05	0.4	0.4	0.13	0.03	39	1.5	0.03	1.5	
1300881	Soil	15.8	33.4	0.23	255.5	0.021	<1	0.73	0.002	0.05	0.4	1.7	0.20	0.04	35	2.6	0.08	2.3	
1300882	Soil	12.9	73.3	0.56	237.7	0.050	1	1.09	0.008	0.07	0.2	2.3	0.08	<0.02	27	0.3	0.04	3.9	
1300883	Soil	17.1	74.5	0.49	298.4	0.035	<1	1.03	0.003	0.06	0.3	2.3	0.11	<0.02	10	0.7	<0.02	3.1	
1300884	Soil	21.0	37.1	0.16	129.6	0.026	<1	0.50	0.002	0.04	0.3	1.2	0.11	0.02	18	1.8	0.06	2.1	
1300885	Soil	17.4	40.7	0.19	200.1	0.016	<1	1.08	0.004	0.08	0.3	1.9	0.20	0.04	22	3.0	0.06	3.1	
1300886	Soil	19.7	40.3	0.17	223.9	0.014	<1	0.84	0.001	0.05	0.3	1.9	0.24	<0.02	198	3.7	0.10	2.1	
1300887	Soil	11.6	37.4	0.10	761.7	0.015	<1	1.06	0.003	0.09	0.3	1.3	0.60	0.18	153	15.4	0.25	3.6	
1300888	Soil	16.7	35.6	0.16	326.5	0.021	<1	1.16	0.002	0.04	0.2	1.5	0.14	0.04	44	1.6	0.10	4.2	
1300889	Soil	16.9	34.5	0.15	206.6	0.041	<1	0.74	0.001	0.04	0.3	1.8	0.16	<0.02	<5	1.0	0.03	4.5	
1300890	Soil	13.5	65.1	0.51	172.5	0.068	<1	1.67	0.001	0.05	0.3	3.1	0.11	<0.02	23	0.5	0.07	6.4	

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Project: IOLA
Report Date: July 09, 2012

CERTIFICATE OF ANALYSIS WHI12000127.1

		Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1300891	Soil		1.76	39.46	13.97	87.6	164	47.1	12.7	1041	3.48	17.5	0.4	1.7	1.8	7.1	0.22	1.78	0.17	75	0.10	0.079
1300892	Soil		1.40	40.59	9.56	88.2	119	107.2	22.5	722	4.17	16.4	0.4	2.8	1.9	10.9	0.42	1.17	0.12	76	0.20	0.069
1300893	Soil		1.13	28.59	8.59	69.5	129	75.2	15.6	772	3.27	10.4	0.4	3.0	0.7	10.9	0.15	0.70	0.11	65	0.21	0.049
1300894	Soil		0.53	56.43	12.44	100.4	73	72.0	37.2	1685	6.98	28.8	0.2	0.8	1.1	7.1	0.18	0.32	0.06	152	0.11	0.058
1300895	Soil		1.15	32.55	6.81	60.4	90	88.2	18.2	598	3.91	21.4	0.3	0.7	2.1	8.3	0.18	0.93	0.11	85	0.14	0.031
1300896	Soil		1.51	49.78	8.95	81.1	69	116.4	27.9	1340	4.49	23.3	0.3	1.8	2.5	8.6	0.33	1.18	0.12	79	0.16	0.058
1300501	Soil		7.13	65.67	29.34	600.5	758	140.0	18.9	618	3.18	76.2	2.0	7.2	2.5	46.2	43.20	8.00	0.11	54	0.39	0.143
1300502	Soil		8.28	36.32	50.30	200.2	1497	61.9	8.3	139	1.92	38.5	1.6	3.2	1.3	54.6	2.10	8.36	0.13	72	0.32	0.171
1300503	Soil		0.96	51.88	11.15	78.1	405	39.0	16.0	444	3.08	81.3	0.4	3.3	2.2	13.3	0.97	0.81	0.08	83	0.36	0.062
1300504	Soil		5.88	82.31	19.04	1398	607	198.5	30.3	1363	6.57	229.3	2.1	15.7	1.6	20.3	10.57	3.96	0.07	105	0.22	0.142
1300505	Soil		12.77	51.94	28.34	344.2	636	57.4	4.0	66	1.97	53.7	2.4	4.0	4.7	69.1	1.78	12.97	0.15	169	0.13	0.154
1300506	Soil		7.21	34.62	12.77	115.8	1229	20.1	1.7	34	1.39	32.1	3.0	4.7	2.7	57.0	0.70	9.25	0.12	65	0.08	0.101
1300507	Soil		8.14	39.89	18.69	126.4	1711	23.7	2.4	39	1.58	37.0	3.5	4.1	5.0	61.9	1.10	8.25	0.16	54	0.04	0.109
1300508	Soil		9.27	21.90	15.48	91.6	1842	14.9	1.5	28	1.46	24.0	3.2	2.5	4.4	47.7	0.66	6.76	0.13	95	0.07	0.167
1300509	Soil		21.88	26.71	24.05	67.2	9439	19.2	1.7	30	2.56	51.0	13.4	8.0	6.2	56.8	1.18	13.12	0.17	206	0.09	0.831
1300510	Soil		22.60	22.71	32.69	60.8	3214	8.2	0.9	22	1.29	19.7	3.6	1.6	2.4	79.8	0.39	7.73	0.21	137	0.05	0.206
1300511	Soil		49.46	18.56	23.32	23.9	6565	5.9	0.4	9	1.79	55.2	4.9	1.8	4.5	32.2	0.24	19.92	0.16	376	0.01	0.212
1300512	Soil		14.20	31.71	32.04	90.4	1195	37.0	5.9	247	2.21	27.5	2.3	1.3	0.1	43.8	0.46	5.39	0.19	66	0.07	0.134
1300513	Soil		0.25	1.87	0.86	5.9	1045	1.5	1.1	18	0.37	0.4	0.2	2.7	<0.1	5.9	0.04	0.10	0.03	11	0.03	0.013
1300514	Soil		46.18	33.32	28.83	90.4	3362	17.7	1.4	32	1.91	36.4	18.7	5.6	5.0	92.1	0.56	16.86	0.20	277	0.06	0.338
1300515	Soil		36.84	33.72	41.92	89.4	1594	23.6	2.7	68	2.75	62.8	6.8	5.2	3.5	71.2	0.38	13.06	0.22	171	0.05	0.213
1300516	Soil		2.23	20.50	15.98	137.8	576	36.5	11.3	359	2.02	44.4	0.6	5.3	4.0	34.1	2.80	3.09	0.18	32	0.22	0.105
1300517	Soil		2.71	23.41	16.82	121.2	313	41.6	5.9	142	2.13	63.0	0.6	1.0	5.3	20.5	0.64	3.83	0.18	34	0.05	0.057
1300518	Soil		3.21	21.87	18.94	158.8	624	100.8	14.1	243	3.64	40.4	0.7	2.5	4.2	25.0	1.59	2.88	0.20	69	0.12	0.195
1300519	Soil		0.22	3.63	1.21	5.7	949	1.3	1.0	19	0.49	1.8	0.1	<0.2	<0.1	5.7	0.05	0.05	0.02	11	0.04	0.022
1300520	Soil		2.61	14.03	18.81	66.5	218	30.4	4.0	67	1.59	19.1	0.6	2.0	2.1	17.2	0.23	2.02	0.29	41	0.05	0.031
1300521	Soil		9.13	30.73	31.59	98.4	1162	113.5	12.1	247	5.43	98.8	2.2	3.2	4.5	50.0	0.35	5.13	0.24	106	0.08	0.325
1300522	Soil		0.08	2.76	1.00	5.5	263	1.1	1.1	19	0.45	0.6	<0.1	<0.2	<0.1	5.3	0.02	0.03	<0.02	14	0.03	0.010
1300523	Soil		1.93	26.31	28.50	74.0	477	44.8	10.5	432	3.01	25.3	0.5	2.8	1.5	17.1	0.37	2.05	0.19	57	0.09	0.075
1300524	Soil		3.78	39.44	65.94	240.3	1910	42.2	5.7	101	2.73	53.8	1.4	1.9	4.2	37.9	0.75	4.44	0.28	23	0.07	0.142

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Project: IOLA
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	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	As
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1300891	Soil	12.2	77.3	0.64	122.0	0.099	<1	1.64	<0.001	0.05	0.2	3.4	0.08	<0.02	18	0.4	0.05	7.1	
1300892	Soil	8.8	144.8	1.13	167.7	0.105	1	2.05	0.001	0.05	0.2	4.7	0.09	<0.02	13	0.2	0.05	6.1	
1300893	Soil	11.9	141.0	0.98	281.7	0.077	<1	1.70	0.002	0.04	0.2	3.9	0.08	<0.02	15	0.1	0.03	5.9	
1300894	Soil	5.1	110.1	2.68	133.4	0.099	<1	3.67	<0.001	0.14	<0.1	15.9	0.19	<0.02	13	0.2	0.04	10.5	
1300895	Soil	8.4	143.0	0.89	200.9	0.128	<1	1.83	<0.001	0.03	0.2	5.0	0.08	<0.02	15	0.2	0.04	6.4	
1300896	Soil	8.0	166.8	1.11	121.1	0.112	1	1.90	<0.001	0.05	0.3	5.5	0.09	<0.02	18	0.3	0.05	6.0	
1300501	Soil	11.9	111.2	0.87	354.4	0.027	3	0.91	0.003	0.07	0.3	5.2	0.21	0.04	84	4.0	0.07	2.4	
1300502	Soil	16.2	62.5	0.35	632.8	0.012	4	0.59	0.002	0.10	0.3	1.7	0.27	0.06	25	5.2	0.08	1.9	
1300503	Soil	7.8	52.3	0.71	178.3	0.081	1	1.59	0.006	0.07	0.2	6.3	0.09	<0.02	6	0.8	0.03	5.3	
1300504	Soil	12.7	84.5	1.55	289.0	0.006	<1	2.71	0.003	0.06	0.1	10.2	0.19	<0.02	11	1.0	0.03	8.3	
1300505	Soil	22.9	28.0	0.09	565.2	0.007	2	0.84	<0.001	0.10	0.5	2.0	0.48	0.04	95	5.7	0.13	2.5	
1300506	Soil	21.2	16.8	0.06	928.3	0.005	2	0.41	0.002	0.10	0.3	1.3	0.30	0.08	127	5.4	0.11	1.3	
1300507	Soil	19.8	16.0	0.05	1472	0.005	2	0.50	0.002	0.11	0.3	1.9	0.29	0.09	88	6.2	0.09	1.6	
1300508	Soil	17.2	20.8	0.07	599.0	0.009	<1	0.61	<0.001	0.09	0.4	1.6	0.40	0.07	72	5.3	0.07	2.1	
1300509	Soil	17.7	59.3	0.07	948.9	0.016	1	1.03	<0.001	0.09	1.1	3.5	0.84	0.09	858	12.0	0.18	3.2	
1300510	Soil	20.2	17.8	0.03	892.6	0.009	<1	0.63	0.001	0.08	0.6	1.0	0.66	0.08	77	8.7	0.15	2.3	
1300511	Soil	25.0	30.7	0.02	420.3	0.016	<1	0.36	<0.001	0.09	1.2	1.6	1.19	0.13	380	17.0	0.26	3.1	
1300512	Soil	14.4	45.0	0.25	537.8	0.013	<1	0.95	0.004	0.06	0.7	0.7	0.33	0.10	62	4.4	0.08	3.3	
1300513	Soil	0.5	2.5	0.07	22.9	0.011	1	0.21	0.025	0.02	<0.1	0.1	<0.02	<0.02	10	<0.1	<0.02	1.3	
1300514	Soil	25.5	45.8	0.08	476.4	0.008	1	0.61	<0.001	0.08	0.9	2.2	0.75	0.09	333	22.4	0.14	2.7	
1300515	Soil	22.9	37.7	0.11	390.0	0.014	1	1.09	<0.001	0.06	0.6	1.9	0.79	0.09	396	8.2	0.17	2.8	
1300516	Soil	17.4	32.5	0.26	257.9	0.027	<1	0.76	0.005	0.09	0.3	1.7	0.12	0.03	11	0.8	0.03	3.7	
1300517	Soil	19.8	24.4	0.11	123.7	0.028	<1	0.64	0.002	0.04	0.4	1.2	0.13	0.02	6	0.6	0.04	3.5	
1300518	Soil	13.2	176.1	0.81	300.1	0.044	1	1.20	0.001	0.06	0.4	3.0	0.16	0.03	8	0.9	0.05	5.4	
1300519	Soil	1.2	2.3	0.06	21.1	0.030	<1	0.33	0.030	0.02	<0.1	0.3	<0.02	<0.02	17	<0.1	<0.02	2.3	
1300520	Soil	19.2	35.8	0.07	94.2	0.033	<1	0.64	0.002	0.05	0.3	1.0	0.18	0.03	8	0.5	0.03	4.7	
1300521	Soil	12.0	191.8	0.84	169.1	0.045	2	1.30	0.002	0.07	1.2	3.0	0.30	0.06	62	3.3	0.12	5.1	
1300522	Soil	0.6	2.4	0.05	10.0	0.029	<1	0.21	0.026	0.02	<0.1	0.2	<0.02	<0.02	10	<0.1	<0.02	2.0	
1300523	Soil	11.2	59.5	0.49	125.8	0.067	1	1.19	0.006	0.05	0.3	2.5	0.10	0.04	24	0.5	0.05	5.2	
1300524	Soil	29.4	13.8	0.11	145.6	0.007	<1	0.56	0.001	0.09	0.5	1.0	0.19	0.06	47	1.6	0.07	1.6	

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		Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1300525	Soil		4.67	61.00	36.46	160.0	1705	32.9	4.8	85	3.73	115.5	2.1	3.2	5.4	29.2	0.75	5.05	0.22	32	0.04	0.124
1300526	Soil		5.47	19.35	26.61	83.1	677	13.7	1.3	22	1.48	38.3	0.9	2.7	0.4	25.3	0.29	3.31	0.18	35	0.02	0.065
1300527	Soil		59.57	37.14	28.40	20.2	4481	7.3	1.2	52	3.08	36.4	6.0	3.6	3.0	45.3	0.25	15.55	0.25	120	0.04	0.373
1300528	Soil		18.79	23.36	27.72	48.1	4262	13.4	2.3	50	2.16	62.9	3.7	8.6	6.1	48.4	0.28	7.20	0.22	71	0.06	0.223
1300529	Soil		5.73	49.07	18.37	66.5	1141	16.7	2.1	66	2.44	34.6	2.7	6.4	1.4	36.0	0.23	2.84	0.29	74	0.04	0.355
1300530	Soil		10.84	16.83	37.54	35.4	1613	7.1	0.9	22	1.32	27.3	2.1	2.2	3.8	36.6	0.17	3.89	0.21	54	0.03	0.139
1300531	Soil		3.29	51.91	17.72	77.8	324	27.3	5.4	247	1.78	44.6	1.4	4.5	2.6	25.0	0.40	2.03	0.17	18	0.02	0.064
1300532	Soil		1.70	57.93	13.21	97.2	193	44.3	26.5	992	3.73	15.5	0.7	3.9	1.8	25.6	0.36	1.37	0.14	81	0.41	0.085
1300533	Soil		2.93	56.33	28.38	110.3	419	46.3	14.7	674	2.66	33.9	1.2	3.1	1.2	33.6	0.32	2.53	0.21	39	0.06	0.061
1300534	Soil		1.54	48.52	14.05	90.9	180	60.6	19.3	639	3.54	27.4	0.4	1.5	2.3	21.7	0.25	1.20	0.15	91	0.46	0.042
1300535	Soil		2.11	60.66	26.23	110.8	329	35.4	11.9	425	3.66	51.4	0.7	4.5	2.7	14.8	0.42	1.91	0.21	46	0.11	0.051
1300536	Soil		0.67	107.2	25.78	138.2	721	95.8	24.9	2954	2.75	31.9	0.4	3.9	3.3	20.7	0.37	0.71	0.24	25	0.34	0.053
1300537	Soil		2.22	63.29	884.1	58.6	5898	9.9	3.0	132	1.90	220.6	0.8	14.4	0.6	18.1	0.70	8.77	0.40	24	0.06	0.063
1300538	Soil		2.97	22.45	131.1	127.1	862	22.3	7.6	174	1.75	57.4	1.3	1.2	0.3	95.8	1.18	2.20	1.20	19	0.03	0.106
1300539	Soil		3.72	36.82	40.09	186.8	644	39.0	6.7	167	2.71	25.4	1.3	1.6	1.6	90.5	0.92	2.41	0.76	35	0.06	0.084
1300540	Soil		2.82	29.62	19.86	74.6	276	21.4	4.3	91	2.76	12.8	1.2	2.5	0.3	16.8	0.38	1.60	0.28	45	0.08	0.081
1300541	Soil		3.53	34.16	25.25	53.4	425	15.8	2.9	82	2.51	18.6	1.3	1.9	0.4	16.1	0.30	1.63	0.26	44	0.06	0.076
1300542	Soil		2.87	41.65	20.92	74.8	350	25.4	5.6	115	2.57	12.8	1.4	3.9	5.8	18.3	0.53	1.82	0.24	40	0.09	0.067
1300543	Soil		2.17	25.58	18.40	55.8	452	21.7	5.0	111	2.47	11.9	1.1	2.2	4.5	14.1	0.52	1.29	0.19	42	0.11	0.052
1300544	Soil		2.19	31.72	25.80	73.2	721	24.5	7.2	153	2.50	13.1	1.1	5.1	3.4	12.8	1.31	1.14	0.28	43	0.11	0.058
1300545	Soil		1.27	45.91	8.70	999.3	620	245.8	26.7	646	6.06	2.2	1.5	0.7	1.8	65.6	4.24	0.24	0.07	127	0.77	0.223
1300546	Soil		3.03	30.88	25.79	85.8	484	23.3	4.7	114	2.78	11.8	1.4	1.5	2.7	31.9	0.67	1.17	1.02	47	0.09	0.075
1300547	Soil		2.68	28.56	24.20	79.9	495	24.4	5.3	126	2.85	13.1	1.3	2.0	4.7	24.1	0.75	1.25	0.89	53	0.10	0.086
1300548	Soil		3.29	40.16	118.2	133.7	2238	26.2	4.4	68	2.40	73.4	1.8	4.6	6.3	31.1	0.56	2.26	1.90	28	0.03	0.076
1300549	Soil		2.84	29.78	88.82	99.7	986	19.7	3.3	53	2.26	62.8	1.2	7.6	5.6	25.6	0.58	1.43	1.91	31	0.02	0.058
1300550	Soil		3.01	35.20	89.80	122.5	1313	22.7	4.1	55	2.31	51.9	1.2	3.4	5.8	26.9	0.66	1.40	1.80	35	0.02	0.059
1300551	Soil		4.91	30.90	37.49	55.1	417	11.9	2.0	91	2.74	10.0	1.2	<0.2	4.2	26.9	0.34	0.50	2.26	89	0.04	0.094
1300552	Soil		4.27	28.43	36.85	73.6	438	17.8	2.6	58	3.37	17.2	1.2	1.2	6.5	30.2	0.36	0.54	2.19	59	0.04	0.093
1300553	Soil		3.14	49.49	36.23	83.7	1772	22.9	4.3	119	3.16	13.1	1.4	1.1	4.9	21.0	0.83	0.66	3.69	57	0.07	0.118
1300554	Soil		3.51	50.45	58.89	82.5	1209	21.8	4.1	117	3.51	16.9	1.5	0.5	6.1	26.6	0.70	0.89	5.91	57	0.05	0.129

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Project: IOLA
Report Date: July 09, 2012

CERTIFICATE OF ANALYSIS WHI12000127.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	As
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1300525	Soil	24.5	18.7	0.13	142.0	0.005	1	0.88	<0.001	0.09	0.3	1.1	0.31	0.07	49	1.8	0.08	1.8	
1300526	Soil	19.7	10.6	0.02	155.0	0.004	<1	0.26	0.002	0.12	0.2	0.3	0.21	0.08	11	1.4	0.04	1.6	
1300527	Soil	20.0	27.9	0.06	963.8	0.014	1	0.84	0.002	0.10	0.9	2.3	1.04	0.12	556	9.2	0.25	3.4	
1300528	Soil	19.3	21.5	0.10	577.4	0.014	<1	0.80	<0.001	0.07	0.7	2.4	0.58	0.09	353	6.2	0.13	2.6	
1300529	Soil	21.2	19.0	0.08	463.7	0.010	1	0.74	0.002	0.09	0.1	1.5	0.42	0.07	63	1.6	0.11	2.8	
1300530	Soil	19.4	9.5	0.04	376.6	0.006	<1	0.49	0.003	0.09	0.4	1.0	0.36	0.07	103	3.9	0.08	1.8	
1300531	Soil	22.0	9.5	0.02	180.7	0.007	<1	0.28	<0.001	0.06	0.2	1.1	0.16	0.03	7	1.2	0.08	1.4	
1300532	Soil	14.4	36.0	0.85	221.2	0.103	2	1.61	<0.001	0.07	0.2	4.5	0.10	0.04	26	0.5	0.04	5.3	
1300533	Soil	22.2	24.0	0.39	289.7	0.021	1	1.17	<0.001	0.09	0.1	1.6	0.23	0.05	30	1.2	0.06	3.3	
1300534	Soil	10.2	115.7	1.13	242.9	0.124	2	2.25	<0.001	0.08	0.2	4.5	0.15	0.03	18	0.6	0.05	6.7	
1300535	Soil	14.9	36.0	0.39	194.3	0.043	2	1.58	<0.001	0.08	0.3	2.3	0.16	0.04	69	1.0	0.09	4.2	
1300536	Soil	13.3	17.1	0.40	266.6	0.007	2	0.80	<0.001	0.12	<0.1	1.7	0.10	<0.02	84	0.5	0.12	2.7	
1300537	Soil	11.0	13.6	0.11	139.0	0.024	<1	0.45	0.015	0.09	0.2	1.2	0.08	0.11	56	3.0	0.14	2.9	
1300538	Soil	18.5	9.0	0.02	156.5	0.003	<1	0.30	0.002	0.10	0.2	0.2	0.20	0.16	13	0.7	0.09	1.3	
1300539	Soil	20.6	19.0	0.21	246.3	0.016	1	0.83	0.003	0.12	0.2	1.1	0.25	0.13	26	1.0	0.08	3.2	
1300540	Soil	15.8	26.8	0.30	190.7	0.011	1	1.43	0.002	0.09	0.1	0.7	0.20	0.06	36	1.1	0.08	4.1	
1300541	Soil	18.7	24.0	0.28	198.3	0.007	<1	1.20	0.001	0.09	0.1	0.6	0.18	0.07	61	1.3	0.06	4.0	
1300542	Soil	20.6	26.9	0.39	190.8	0.025	1	1.37	0.003	0.09	0.2	1.7	0.17	0.04	24	1.4	0.04	3.7	
1300543	Soil	17.3	26.3	0.35	182.9	0.029	1	1.27	0.003	0.07	0.3	1.8	0.13	0.03	35	0.9	0.04	3.9	
1300544	Soil	16.6	28.0	0.37	153.6	0.035	<1	1.19	0.003	0.08	0.3	1.8	0.15	0.03	59	1.0	0.03	4.0	
1300545	Soil	36.3	69.8	1.54	1381	0.242	<1	3.77	0.009	0.10	<0.1	11.7	0.21	<0.02	10	<0.1	0.02	10.2	
1300546	Soil	24.6	26.8	0.35	173.9	0.043	1	1.14	0.003	0.14	0.3	1.7	0.35	0.11	34	1.7	0.09	4.3	
1300547	Soil	18.3	30.9	0.36	169.3	0.054	1	1.25	0.004	0.11	0.4	2.1	0.28	0.08	55	1.3	0.04	4.3	
1300548	Soil	27.3	14.6	0.12	170.5	0.005	<1	0.83	0.002	0.13	0.3	1.1	0.23	0.10	58	1.7	0.10	1.9	
1300549	Soil	22.8	14.1	0.13	148.0	0.008	<1	0.82	0.002	0.09	0.5	1.1	0.21	0.08	40	1.5	0.11	2.2	
1300550	Soil	23.9	14.8	0.21	196.4	0.012	1	0.96	0.002	0.14	0.5	1.4	0.29	0.10	46	1.8	0.06	2.3	
1300551	Soil	20.6	27.2	0.55	216.3	0.083	<1	1.15	0.002	0.25	0.6	2.0	0.44	0.09	26	1.9	0.10	5.0	
1300552	Soil	28.3	19.4	0.17	279.2	0.034	<1	0.94	0.004	0.17	0.4	1.5	0.34	0.20	10	1.3	0.06	4.4	
1300553	Soil	24.2	29.1	0.33	235.1	0.057	<1	1.30	0.001	0.15	0.4	2.0	0.55	0.09	39	2.1	0.12	4.8	
1300554	Soil	23.5	31.3	0.33	278.4	0.044	<1	1.59	<0.001	0.10	1.0	2.1	0.55	0.09	22	2.1	0.08	4.4	

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CERTIFICATE OF ANALYSIS WHI12000127.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1300555	Soil	1.17	12.62	56.17	35.8	1075	7.8	1.7	33	0.97	20.6	0.4	1.0	<0.1	13.9	0.20	0.87	1.56	21	0.03	0.045
1300556	Soil	2.87	19.87	11.90	83.6	137	287.6	35.9	479	3.30	24.0	0.6	5.3	2.5	16.6	0.89	1.56	0.13	50	0.30	0.022
1300557	Soil	0.30	6.25	1.76	37.6	137	44.6	2.7	39	0.38	1.8	1.1	<0.2	<0.1	21.0	0.45	0.17	0.04	9	0.73	0.017
1300558	Soil	2.57	23.71	5.69	112.5	57	220.2	35.7	686	3.12	24.2	1.9	0.6	1.3	15.8	0.90	1.04	0.07	35	0.28	0.023
1300559	Soil	3.36	22.05	10.78	82.5	79	235.6	25.5	314	2.74	24.7	0.5	0.8	2.3	15.7	0.37	1.54	0.09	47	0.27	0.027
1300560	Soil	1.10	29.41	7.64	43.5	133	611.3	57.6	826	4.35	42.5	0.3	3.4	1.2	7.9	0.15	1.89	0.05	52	0.21	0.016
1300561	Soil	1.61	122.9	14.11	60.6	402	152.7	22.2	1184	3.45	81.4	0.4	6.9	3.3	46.7	0.09	2.40	0.18	38	1.55	0.055
1300562	Soil	1.72	57.29	6.88	55.5	146	800.5	59.6	1042	4.22	42.9	0.5	2.7	1.1	22.8	0.33	2.38	0.05	59	0.65	0.047
1300563	Soil	0.87	19.67	8.01	32.8	332	1864	116.0	1673	5.20	713.3	0.2	20.5	0.3	23.6	0.18	30.28	0.04	36	0.66	0.027
1300564	Soil	0.68	40.56	4.32	30.9	57	675.4	58.4	785	3.38	25.0	0.2	2.1	0.7	12.4	0.17	1.84	<0.02	49	0.62	0.028
1300565	Soil	0.74	53.01	5.01	60.6	230	545.0	51.2	964	4.34	132.2	0.2	13.7	1.0	12.1	0.25	2.65	0.05	48	0.27	0.052
1300566	Soil	0.44	22.55	2.88	29.6	99	410.1	38.0	594	2.50	23.9	0.2	61.6	0.5	9.4	0.23	1.47	0.02	31	0.20	0.046
1300567	Soil	0.60	43.53	4.74	53.6	189	602.0	53.2	943	4.19	79.0	0.2	1.4	0.6	16.7	0.36	2.85	0.04	45	0.31	0.063
1300568	Soil	0.70	47.58	5.13	43.8	80	725.0	66.4	1175	4.52	36.5	0.2	13.2	1.0	5.3	0.22	2.70	0.03	46	0.15	0.028
1300569	Soil	0.59	39.34	3.90	45.2	58	449.9	51.8	931	5.21	45.1	0.2	1.8	1.0	6.4	0.21	2.15	0.03	58	0.17	0.036
1300570	Soil	0.70	39.16	4.43	65.4	113	236.2	39.1	946	4.56	40.8	0.2	0.8	0.6	10.3	0.18	1.65	0.07	66	0.19	0.067
1300571	Soil	0.19	8.28	1.72	9.9	194	10.5	2.9	187	0.69	10.4	0.2	<0.2	<0.1	7.8	0.06	0.30	0.04	17	0.18	0.031
1300572	Soil	1.15	37.02	6.65	70.3	417	97.9	31.2	1070	6.41	205.0	0.3	6.9	1.3	9.0	0.29	3.65	0.10	76	0.27	0.057
1300573	Soil	1.25	46.26	6.88	87.4	99	72.4	21.5	964	4.06	35.3	0.3	0.7	1.0	12.1	0.58	1.42	0.14	100	0.28	0.060
1300574	Soil	1.14	68.67	7.51	79.1	99	160.8	34.5	1032	4.87	43.3	0.3	7.9	2.2	9.8	0.15	1.36	0.09	78	0.20	0.035
1300575	Soil	1.13	13.22	20.37	66.9	852	6.6	2.1	172	0.99	1.8	0.5	<0.2	<0.1	17.7	4.00	0.16	0.88	20	0.10	0.075
1300576	Soil	6.44	45.69	97.84	155.5	1097	196.6	20.9	818	3.12	81.6	2.1	4.1	3.2	35.0	1.55	4.66	0.41	51	0.15	0.111
1300577	Soil	5.04	30.31	70.23	93.3	803	115.6	13.1	339	2.43	59.4	1.3	2.7	0.8	23.4	0.91	3.04	0.31	44	0.09	0.082
1300578	Soil	7.17	37.21	124.8	125.0	861	148.5	14.5	313	2.96	79.3	1.2	0.8	3.8	31.5	0.86	3.98	0.44	62	0.11	0.084
1300579	Soil	3.00	28.23	104.2	106.0	1435	26.1	4.4	89	2.07	49.3	1.1	1.3	4.3	28.5	1.08	1.37	1.50	35	0.07	0.083
1300580	Soil	2.79	28.90	62.15	150.5	1233	19.9	3.1	76	2.10	19.3	1.1	4.2	4.5	33.1	4.57	0.91	1.39	32	0.06	0.091
1300581	Soil	3.39	27.39	67.52	146.9	694	31.7	4.6	87	2.08	39.7	1.5	<0.2	2.1	42.7	2.03	1.23	1.24	39	0.03	0.079
1300582	Soil	2.60	21.78	68.19	104.0	797	20.1	4.8	267	1.85	44.4	1.0	0.5	2.7	31.1	2.84	1.62	1.12	31	0.09	0.074
1300583	Soil	0.93	6.95	12.13	32.3	567	6.2	1.6	55	0.88	5.4	0.3	<0.2	<0.1	7.2	0.26	0.44	0.23	19	0.04	0.033
1300584	Soil	2.01	22.70	29.55	98.9	296	25.8	5.5	251	2.34	27.4	0.9	0.3	2.2	19.9	0.61	1.53	0.32	33	0.10	0.095

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	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	As
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1300555	Soil	6.6	8.9	0.04	60.3	0.005	<1	0.35	0.011	0.04	0.1	0.1	0.09	0.05	40	0.3	0.04	2.1	
1300556	Soil	9.3	281.7	1.86	167.6	0.037	4	1.20	0.004	0.08	0.1	4.2	0.09	<0.02	10	0.5	0.03	2.8	
1300557	Soil	1.5	8.0	0.11	22.4	0.020	2	0.33	0.032	0.02	<0.1	0.4	<0.02	0.03	10	0.3	<0.02	1.0	
1300558	Soil	5.6	304.7	1.82	80.1	0.031	3	0.88	0.007	0.05	0.1	5.0	0.05	<0.02	15	0.3	0.02	2.3	
1300559	Soil	8.4	216.1	1.69	79.4	0.048	3	1.09	0.006	0.07	0.1	3.7	0.07	<0.02	<5	0.8	0.05	3.0	
1300560	Soil	4.5	699.7	3.72	103.9	0.042	7	1.35	0.002	0.05	0.2	10.2	0.04	<0.02	17	0.3	0.03	3.2	
1300561	Soil	13.6	44.0	1.27	215.5	0.002	1	1.69	<0.001	0.05	<0.1	5.1	0.06	<0.02	24	0.3	0.13	4.8	
1300562	Soil	4.9	528.2	5.22	116.3	0.029	10	1.37	0.004	0.03	0.1	11.4	0.07	0.02	25	0.6	<0.02	3.3	
1300563	Soil	2.0	486.5	5.98	106.0	0.016	3	0.63	0.011	0.02	1.6	8.3	0.24	0.02	43	0.3	0.05	2.1	
1300564	Soil	2.7	643.1	7.65	51.2	0.036	10	1.12	0.002	0.02	0.1	9.3	0.03	<0.02	14	0.2	<0.02	2.6	
1300565	Soil	4.7	478.7	4.67	102.3	0.022	11	1.21	0.002	0.04	0.2	10.5	0.04	0.02	34	0.4	0.05	3.0	
1300566	Soil	3.5	380.8	3.72	77.7	0.021	11	0.59	0.019	0.02	0.1	6.1	0.03	<0.02	24	0.1	<0.02	1.6	
1300567	Soil	3.3	645.5	3.58	114.3	0.013	9	1.12	0.004	0.03	0.2	10.1	0.04	0.03	28	0.2	<0.02	2.9	
1300568	Soil	4.3	709.8	4.57	95.6	0.025	11	1.17	0.002	0.03	0.1	12.2	0.05	<0.02	28	<0.1	<0.02	2.6	
1300569	Soil	3.9	686.2	3.14	80.5	0.043	7	1.51	0.002	0.04	0.3	10.0	0.04	<0.02	24	<0.1	0.02	4.0	
1300570	Soil	5.0	401.4	1.65	157.8	0.055	2	1.82	0.005	0.06	0.2	5.7	0.05	<0.02	8	0.1	0.05	5.0	
1300571	Soil	2.2	12.6	0.13	53.2	0.032	<1	0.45	0.032	0.02	<0.1	1.2	<0.02	<0.02	15	<0.1	<0.02	1.9	
1300572	Soil	7.2	114.8	0.72	146.8	0.025	1	1.50	0.002	0.03	0.7	17.1	0.09	0.02	34	0.4	0.02	4.3	
1300573	Soil	7.2	100.3	0.90	200.6	0.084	1	1.80	<0.001	0.05	0.6	5.2	0.08	0.02	34	0.2	0.03	5.9	
1300574	Soil	8.1	210.3	1.27	284.4	0.073	1	2.25	<0.001	0.05	0.2	7.4	0.12	<0.02	18	0.5	0.05	5.9	
1300575	Soil	7.8	7.2	0.08	138.2	0.008	<1	0.41	0.017	0.09	0.2	0.2	0.11	0.07	33	0.7	0.02	2.2	
1300576	Soil	14.1	158.8	1.09	354.6	0.023	4	0.79	0.002	0.07	0.3	4.1	0.22	0.06	76	2.8	0.07	2.1	
1300577	Soil	14.2	129.1	0.78	199.4	0.017	3	0.68	0.004	0.06	0.3	1.8	0.17	0.05	40	2.0	0.05	2.5	
1300578	Soil	17.2	151.2	1.04	447.4	0.025	3	1.04	0.002	0.08	0.3	2.8	0.24	0.05	41	2.3	0.07	3.0	
1300579	Soil	19.8	23.7	0.26	174.9	0.022	<1	0.91	0.005	0.11	0.3	1.6	0.20	0.06	21	1.1	0.04	3.1	
1300580	Soil	18.1	13.6	0.19	248.8	0.037	<1	0.53	0.004	0.16	0.2	1.1	0.23	0.11	22	1.4	0.08	2.5	
1300581	Soil	22.1	17.8	0.19	176.4	0.011	<1	0.72	0.002	0.09	0.3	0.9	0.18	0.07	10	0.8	0.08	2.8	
1300582	Soil	17.3	18.3	0.16	325.6	0.025	<1	0.48	0.006	0.10	0.3	1.1	0.14	0.07	13	1.1	0.03	2.6	
1300583	Soil	7.5	7.7	0.08	61.6	0.013	<1	0.42	0.017	0.04	0.1	0.3	0.05	<0.02	19	0.2	<0.02	2.3	
1300584	Soil	16.4	20.8	0.26	92.4	0.033	<1	0.68	0.003	0.06	0.2	1.2	0.10	0.03	10	0.7	<0.02	2.9	

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Project: IOLA
Report Date: July 09, 2012

CERTIFICATE OF ANALYSIS WHI12000127.1

		Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1300585	Soil		1.22	11.36	22.05	40.5	283	7.1	1.7	52	1.10	16.2	0.4	1.7	<0.1	10.6	0.18	0.62	0.41	21	0.02	0.056
1300586	Soil		1.79	16.72	16.92	65.7	241	13.2	3.5	394	1.50	16.7	0.7	2.4	<0.1	12.5	0.32	0.96	0.27	26	0.03	0.083
1300587	Soil		0.71	10.84	4.82	18.9	275	3.6	1.4	33	0.75	2.2	0.5	0.6	<0.1	8.9	0.09	0.34	0.10	17	0.07	0.054
1300588	Soil		2.89	34.82	27.02	140.4	431	31.4	6.1	135	2.78	20.3	1.2	2.1	2.2	23.5	0.57	1.65	0.28	37	0.10	0.085
1300589	Soil		2.39	30.31	11.37	105.8	132	78.0	10.7	239	2.49	19.3	0.6	2.2	4.4	24.1	0.56	1.76	0.12	47	0.16	0.057
1300590	Soil		2.25	24.90	12.78	121.0	457	63.3	9.9	243	2.30	18.7	0.6	1.6	3.3	23.3	0.76	1.88	0.19	43	0.18	0.096
1300591	Soil		1.73	12.26	8.51	80.6	294	32.4	7.2	171	1.91	9.9	0.4	0.3	1.3	16.4	0.81	0.90	0.11	48	0.19	0.090
1300592	Soil		3.03	27.52	33.10	141.1	735	36.2	5.8	185	3.05	74.4	1.2	2.2	2.0	36.1	0.67	2.31	0.24	37	0.06	0.153
1300593	Soil		0.38	3.20	3.27	11.7	114	3.1	0.9	22	0.44	2.4	0.1	<0.2	<0.1	6.8	0.14	0.28	0.05	14	0.04	0.015
1300594	Soil		2.81	20.79	26.04	126.0	531	35.0	4.2	86	1.87	39.1	0.8	1.7	2.5	23.1	0.77	2.45	0.22	26	0.03	0.062
1300595	Soil		0.70	8.97	5.05	29.7	435	5.3	1.6	42	0.69	2.9	0.3	<0.2	0.2	5.4	0.68	0.29	0.06	15	0.03	0.026
1300596	Soil		3.06	26.13	30.03	96.8	528	15.1	2.8	91	1.92	4.5	0.8	<0.2	0.7	31.1	0.76	0.65	0.25	34	0.05	0.073
1300597	Soil		1.01	11.32	5.97	30.8	353	5.8	1.6	68	0.92	2.3	0.5	<0.2	0.2	9.2	0.15	0.50	0.10	23	0.05	0.041
1300598	Soil		2.25	36.03	14.95	105.3	1306	43.7	8.1	236	3.61	35.6	0.9	1.7	1.2	16.2	0.52	2.30	0.22	62	0.10	0.124
1300599	Soil		1.18	11.46	8.39	16.4	417	3.8	1.3	72	0.85	12.1	0.4	<0.2	0.4	11.0	0.11	0.78	0.13	20	0.06	0.051
1300600	Soil		2.14	17.90	19.73	72.2	558	18.0	3.0	75	2.65	56.3	0.8	2.6	3.9	47.6	0.19	1.79	0.19	34	0.03	0.078
1300801	Soil		2.90	32.47	22.14	87.8	516	17.1	2.7	67	2.10	20.2	0.8	3.5	0.9	22.2	0.30	1.79	0.26	36	0.06	0.102
1300802	Soil		3.24	54.86	31.90	166.7	1211	28.5	4.5	111	2.86	69.7	1.8	0.9	0.4	40.4	0.92	2.23	0.29	45	0.12	0.261
1300803	Soil		1.83	14.67	16.59	73.8	1120	10.6	3.5	375	1.27	13.9	0.5	<0.2	0.3	18.1	0.52	0.89	0.28	22	0.04	0.060
1300804	Soil		2.83	32.45	131.0	116.8	2718	21.1	5.0	127	2.38	61.7	1.3	2.1	0.4	37.8	0.69	2.47	2.46	24	0.06	0.109
1300805	Soil		2.42	28.89	45.58	86.7	923	15.7	2.4	63	1.88	29.6	0.9	0.4	0.1	24.7	0.53	1.38	1.35	29	0.05	0.106
1300806	Soil		2.45	24.34	162.9	79.8	2604	12.3	2.5	95	1.95	38.9	0.8	0.8	<0.1	25.2	0.50	1.99	5.04	32	0.07	0.099
1300807	Soil		4.16	39.45	154.4	201.5	3604	21.3	3.0	75	3.05	67.8	1.3	1.3	0.4	39.7	0.56	2.75	5.52	32	0.04	0.129
1300808	Soil		4.10	17.86	27.86	192.7	1137	28.7	3.3	71	1.94	47.5	1.2	0.4	4.4	53.9	2.49	2.57	0.27	42	0.07	0.142
1300809	Soil		7.81	17.72	50.57	7.1	2056	2.4	0.2	8	1.71	187.3	3.2	1.5	10.2	143.7	0.32	4.13	0.42	28	0.02	0.373
1300810	Soil		3.50	12.55	128.0	221.6	698	137.7	14.4	414	2.33	26.4	0.6	<0.2	2.3	27.5	1.42	2.25	0.17	49	0.19	0.119
1300811	Soil		4.74	12.08	72.96	103.4	1850	38.7	5.5	232	1.22	16.6	0.8	0.2	1.8	23.9	0.94	1.65	0.16	38	0.13	0.086
1300812	Soil		0.84	62.26	6.13	170.7	263	31.5	24.3	1454	3.26	80.3	0.3	1.9	0.3	19.3	3.02	1.01	0.05	97	0.61	0.087
1300813	Soil		1.25	221.2	15.30	120.6	3246	44.7	41.4	2632	6.24	671.9	0.4	92.3	0.5	49.1	0.40	3.89	0.09	169	0.67	0.100
1300814	Soil		2.25	234.2	95.23	248.5	4000	136.0	85.4	4085	6.86	135.2	0.9	4.7	1.7	37.1	2.09	2.76	0.09	223	1.24	0.104

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Project: IOLA
Report Date: July 09, 2012

CERTIFICATE OF ANALYSIS WHI12000127.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	As
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1300585	Soil	7.6	7.2	0.04	74.0	0.003	<1	0.48	0.013	0.04	<0.1	0.1	0.07	0.04	16	0.4	0.03	2.5	
1300586	Soil	10.7	12.5	0.09	116.9	0.003	1	0.57	0.008	0.06	0.1	0.2	0.10	0.07	20	0.5	0.03	2.2	
1300587	Soil	5.0	4.9	0.08	81.8	0.009	<1	0.49	0.020	0.04	<0.1	0.2	0.05	0.03	21	0.1	<0.02	2.0	
1300588	Soil	21.3	20.5	0.28	146.6	0.017	<1	1.08	0.003	0.08	0.2	1.3	0.19	0.03	33	0.9	0.06	3.0	
1300589	Soil	17.1	63.0	0.69	267.4	0.033	1	1.33	0.003	0.05	0.1	2.6	0.12	<0.02	12	0.5	0.02	3.3	
1300590	Soil	14.4	53.1	0.55	143.7	0.042	<1	1.08	0.004	0.06	0.2	2.3	0.10	<0.02	15	0.7	0.04	3.5	
1300591	Soil	10.8	44.7	0.42	111.9	0.036	<1	1.01	0.008	0.04	0.1	2.0	0.09	<0.02	11	0.4	0.03	4.0	
1300592	Soil	20.8	28.7	0.19	141.5	0.015	<1	0.95	0.003	0.08	0.2	1.3	0.14	0.05	15	0.8	0.03	3.1	
1300593	Soil	4.0	4.8	0.03	25.8	0.013	<1	0.19	0.022	0.03	<0.1	0.2	0.03	<0.02	12	<0.1	<0.02	1.3	
1300594	Soil	22.3	20.1	0.08	116.1	0.017	<1	0.51	0.006	0.06	0.1	0.8	0.12	0.04	11	0.5	0.04	3.0	
1300595	Soil	3.9	3.3	0.03	42.1	0.017	<1	0.26	0.023	0.03	<0.1	0.4	0.03	<0.02	11	<0.1	<0.02	1.4	
1300596	Soil	16.0	9.8	0.08	166.9	0.019	<1	0.68	0.014	0.07	<0.1	0.7	0.16	0.05	24	0.7	0.04	2.9	
1300597	Soil	6.7	6.2	0.06	71.8	0.018	<1	0.38	0.022	0.04	<0.1	0.4	0.05	<0.02	13	0.3	0.02	2.0	
1300598	Soil	13.1	59.1	0.43	113.3	0.043	<1	1.23	0.004	0.06	0.2	2.5	0.17	0.03	68	0.8	0.08	4.8	
1300599	Soil	12.0	5.1	0.05	92.5	0.021	<1	0.69	0.020	0.06	<0.1	0.6	0.10	0.03	18	0.4	<0.02	2.7	
1300600	Soil	17.9	15.6	0.12	148.9	0.014	<1	0.90	0.002	0.08	0.2	1.3	0.15	0.07	15	0.9	0.08	2.9	
1300801	Soil	22.1	15.2	0.11	122.3	0.022	<1	0.66	0.002	0.07	0.2	1.0	0.16	0.05	27	1.1	0.05	3.4	
1300802	Soil	21.0	18.8	0.09	153.7	0.009	<1	0.89	0.003	0.10	0.2	0.7	0.25	0.08	40	1.2	0.06	2.6	
1300803	Soil	17.6	8.0	0.04	137.6	0.013	<1	0.56	0.012	0.09	0.1	0.4	0.11	0.04	23	0.4	0.05	2.3	
1300804	Soil	22.0	12.1	0.14	213.7	0.006	<1	0.68	0.005	0.13	0.2	0.4	0.27	0.15	33	1.4	0.05	2.3	
1300805	Soil	20.1	14.2	0.14	147.0	0.004	<1	0.72	0.004	0.10	0.3	0.3	0.23	0.08	26	0.9	0.05	2.9	
1300806	Soil	16.5	16.3	0.12	154.0	0.004	<1	0.66	0.005	0.11	0.7	0.3	0.27	0.13	44	1.3	0.10	3.3	
1300807	Soil	25.2	11.3	0.11	152.3	0.007	<1	0.60	0.003	0.15	0.4	0.5	0.45	0.15	69	2.0	0.14	2.2	
1300808	Soil	20.2	36.4	0.14	197.0	0.010	<1	0.51	0.003	0.09	0.2	1.4	0.32	0.06	16	1.9	0.06	1.6	
1300809	Soil	26.8	13.5	0.01	524.3	0.003	<1	0.28	0.002	0.17	0.4	3.9	0.35	0.29	102	17.0	0.09	1.6	
1300810	Soil	12.4	207.9	1.21	546.4	0.027	2	0.91	0.006	0.09	0.4	2.9	0.14	0.04	21	1.4	0.04	2.9	
1300811	Soil	10.9	53.7	0.25	266.7	0.028	<1	0.49	0.015	0.07	0.2	1.4	0.13	0.04	26	1.8	0.04	2.2	
1300812	Soil	3.4	58.4	1.01	330.2	0.102	1	2.05	0.017	0.07	0.1	10.5	0.07	<0.02	17	0.1	0.03	5.9	
1300813	Soil	5.4	54.1	1.40	491.2	0.037	1	2.71	0.018	0.10	0.2	18.7	0.19	0.07	42	0.8	0.09	8.3	
1300814	Soil	15.0	79.0	2.48	470.2	0.047	2	3.87	0.001	0.06	<0.1	30.9	0.14	<0.02	99	0.6	0.04	12.2	

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	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1300815	Soil	7.44	115.2	15.25	68.6	490	35.2	20.5	1462	2.75	26.9	1.6	2.7	0.5	28.9	0.41	2.82	0.14	121	0.27	0.102
1300816	Soil	7.84	31.57	17.60	62.4	710	18.1	6.4	297	2.13	17.5	1.9	4.6	0.6	27.4	0.27	3.87	0.14	98	0.14	0.069
1300817	Soil	2.08	123.3	7.52	130.5	170	34.4	16.0	1121	3.96	5.7	0.6	0.3	0.5	21.5	0.59	0.80	0.18	87	0.32	0.143
1300818	Soil	1.90	76.72	7.73	61.4	200	73.9	26.2	776	4.93	7.0	0.7	1.0	2.1	32.9	0.50	0.74	0.11	149	1.15	0.078
1300819	Soil	5.22	46.06	35.35	66.8	477	26.4	10.6	734	2.93	42.0	0.9	3.8	0.7	20.7	0.30	2.61	0.21	71	0.12	0.119
1300820	Soil	4.60	30.98	23.31	37.0	436	11.7	4.9	210	1.62	26.3	0.7	2.1	0.3	15.5	0.16	2.03	0.18	37	0.05	0.063
1300821	Soil	0.52	15.42	3.87	58.8	164	16.5	2.3	111	1.04	17.2	0.1	1.7	0.4	3.4	0.12	2.41	0.11	13	0.02	0.023
1300822	Soil	2.33	25.70	13.38	150.1	804	40.0	6.8	186	2.58	25.5	0.6	2.3	4.0	10.8	1.36	2.26	0.18	32	0.08	0.082
1300823	Soil	2.34	19.80	12.67	103.2	456	29.9	6.0	542	1.90	22.5	0.5	1.5	2.8	10.8	1.76	2.05	0.20	28	0.06	0.061
1300824	Soil	1.93	11.52	13.14	69.5	473	19.5	4.3	115	1.67	18.1	0.4	2.0	3.5	9.6	0.91	0.98	0.26	33	0.06	0.041
1300825	Soil	2.46	22.08	14.82	102.6	477	36.0	7.8	487	2.03	17.8	0.4	0.6	4.2	18.2	1.22	1.54	0.19	32	0.14	0.101
1300826	Soil	2.20	18.48	12.04	71.3	714	32.2	6.3	154	1.44	17.1	0.3	3.0	3.4	10.4	1.11	1.88	0.17	23	0.09	0.068
1300827	Soil	2.36	25.27	11.41	165.8	624	52.1	9.9	307	1.88	20.4	0.4	1.4	2.1	15.8	1.70	2.01	0.12	20	0.20	0.075
1300828	Soil	2.09	24.62	13.19	84.1	1195	38.5	8.2	183	1.72	23.6	0.4	1.6	1.6	23.4	0.96	1.90	0.12	16	0.25	0.080
1300829	Soil	2.77	31.49	14.30	128.4	427	65.7	11.7	305	2.46	27.9	0.6	38.1	3.4	18.8	1.11	2.01	0.15	27	0.16	0.090
1300830	Soil	3.03	58.55	15.62	111.7	555	131.1	20.2	905	3.03	22.5	0.6	4.0	3.9	49.0	0.96	2.03	0.14	46	0.63	0.091
1300831	Soil	2.88	28.15	14.22	169.2	461	47.4	9.5	251	2.59	26.1	0.6	1.1	4.9	23.9	0.85	2.76	0.15	24	0.18	0.096
1300832	Soil	1.69	37.07	15.44	305.1	643	73.0	13.6	255	2.79	49.2	0.9	1.0	5.1	29.0	1.97	5.10	0.17	13	0.09	0.098
1300833	Soil	1.82	62.19	9.64	605.1	661	97.1	14.7	730	3.22	94.3	0.8	1.3	2.4	14.4	5.72	2.12	0.17	39	0.06	0.060
1300834	Soil	5.92	32.77	23.63	194.4	565	46.2	7.4	189	3.06	44.9	0.7	2.6	4.2	38.5	2.10	3.38	0.23	51	0.07	0.070
1300835	Soil	6.36	17.95	38.93	114.5	1007	8.0	1.1	30	1.98	6.2	0.7	1.9	4.9	67.1	1.16	2.21	0.26	37	0.03	0.075
1300836	Soil	13.91	28.22	23.19	146.5	1245	29.5	4.6	105	2.65	30.6	1.2	1.0	2.2	29.6	1.11	4.29	0.19	90	0.04	0.140
1300837	Soil	49.39	55.85	400.0	125.5	5568	38.9	5.1	94	2.73	57.1	5.6	5.8	4.0	79.5	0.83	11.45	0.53	168	0.03	0.128
1300838	Soil	3.12	29.40	12.18	183.5	449	52.3	8.6	274	2.35	46.6	0.9	2.9	3.8	21.1	4.24	2.20	0.14	40	0.13	0.077
1300839	Soil	21.35	22.82	28.12	105.3	2419	32.1	3.7	85	1.82	14.8	2.4	1.3	1.5	57.1	3.48	7.11	0.22	106	0.11	0.151
1300840	Soil	4.37	18.40	252.5	113.9	612	44.0	7.6	186	2.24	21.9	0.8	4.3	4.2	33.9	1.52	2.40	0.16	46	0.21	0.159
1300841	Soil	10.73	29.90	35.24	123.5	1551	26.3	3.0	65	2.00	36.7	1.6	1.3	2.1	64.8	0.63	5.72	0.16	90	0.08	0.182
1300842	Soil	17.59	25.71	44.99	65.9	3752	17.1	2.6	64	2.21	24.1	6.8	1.9	4.0	172.4	1.31	6.02	0.21	227	0.33	0.509
1300843	Soil	35.41	16.25	45.18	15.1	4348	1.9	0.2	16	2.95	25.3	11.0	2.4	8.2	75.9	0.32	38.72	0.38	116	0.03	1.277
1300844	Soil	4.08	31.31	34.09	104.9	1615	27.5	4.5	122	2.78	66.9	1.1	7.3	3.1	37.9	0.33	3.06	0.27	36	0.04	0.085

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Project: IOLA
Report Date: July 09, 2012

CERTIFICATE OF ANALYSIS WHI12000127.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	As
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1300815	Soil	14.4	40.7	0.69	555.4	0.046	2	1.65	0.005	0.09	0.2	4.7	0.32	0.04	21	2.7	0.06	5.1	
1300816	Soil	16.7	28.4	0.32	618.0	0.028	2	1.10	<0.001	0.10	0.2	2.2	0.31	0.05	40	3.5	0.08	3.5	
1300817	Soil	9.6	58.5	0.94	218.3	0.101	<1	1.92	0.003	0.09	0.1	3.2	0.08	0.03	41	0.4	0.04	6.7	
1300818	Soil	7.6	172.0	1.48	962.4	0.356	2	3.92	<0.001	0.04	0.2	8.5	0.17	0.02	30	0.5	0.04	9.4	
1300819	Soil	16.7	29.5	0.49	292.5	0.055	2	1.12	0.001	0.10	0.2	2.0	0.18	0.07	40	2.3	0.10	4.3	
1300820	Soil	20.7	13.3	0.12	245.1	0.015	<1	0.61	0.003	0.06	0.1	0.7	0.18	0.05	23	3.1	0.04	3.0	
1300821	Soil	10.9	4.4	0.03	119.5	0.012	<1	0.24	0.012	0.02	<0.1	0.4	0.04	<0.02	10	0.1	0.03	1.7	
1300822	Soil	19.5	31.4	0.17	129.3	0.023	<1	0.83	0.002	0.04	0.2	1.7	0.08	<0.02	21	0.8	0.03	3.3	
1300823	Soil	18.0	23.9	0.12	138.7	0.039	<1	0.54	0.003	0.04	0.2	1.3	0.09	<0.02	15	0.6	0.02	3.3	
1300824	Soil	17.6	26.7	0.20	179.9	0.023	<1	0.76	0.002	0.03	0.2	1.2	0.08	<0.02	19	0.4	0.03	3.1	
1300825	Soil	17.6	36.6	0.26	174.7	0.028	<1	0.75	0.003	0.05	0.2	1.7	0.09	<0.02	18	0.7	0.04	3.2	
1300826	Soil	13.6	29.8	0.12	75.7	0.034	<1	0.36	0.004	0.03	0.2	1.1	0.06	<0.02	14	0.8	0.05	2.3	
1300827	Soil	14.1	32.3	0.24	135.5	0.020	<1	0.50	0.009	0.05	0.3	1.3	0.08	<0.02	23	1.7	0.03	1.8	
1300828	Soil	10.8	21.4	0.19	99.3	0.016	1	0.44	0.016	0.04	0.2	1.1	0.07	0.02	22	1.0	0.02	1.8	
1300829	Soil	14.0	54.6	0.40	147.8	0.036	<1	0.66	0.005	0.05	0.2	2.1	0.09	<0.02	19	1.1	0.07	2.3	
1300830	Soil	14.3	133.8	1.47	284.0	0.065	2	1.11	0.004	0.08	0.2	5.1	0.14	<0.02	73	0.8	0.09	3.2	
1300831	Soil	17.7	32.6	0.22	210.2	0.018	<1	0.56	0.003	0.06	0.2	1.8	0.07	<0.02	<5	0.9	0.07	1.9	
1300832	Soil	16.2	18.2	0.12	414.0	0.011	<1	0.54	0.010	0.07	0.1	1.3	0.07	0.02	8	0.9	0.07	1.5	
1300833	Soil	15.6	89.3	0.37	533.1	0.022	<1	1.03	0.002	0.05	0.2	2.9	0.14	<0.02	14	1.8	0.05	3.9	
1300834	Soil	16.2	49.9	0.26	707.2	0.034	<1	1.11	0.002	0.07	0.2	2.3	0.19	0.04	17	2.5	0.10	4.1	
1300835	Soil	17.6	9.6	0.04	661.5	0.011	<1	0.57	0.031	0.19	0.1	0.8	1.00	0.37	29	2.3	0.04	2.5	
1300836	Soil	17.4	33.2	0.15	324.8	0.023	<1	1.04	0.002	0.07	0.3	1.5	0.38	0.05	40	6.4	0.10	4.4	
1300837	Soil	20.8	54.2	0.18	926.6	0.008	<1	0.94	<0.001	0.12	0.8	2.1	1.01	0.15	1380	20.3	0.27	2.1	
1300838	Soil	18.1	48.3	0.36	436.7	0.044	1	1.00	0.005	0.06	0.3	2.4	0.13	<0.02	25	0.8	0.05	3.4	
1300839	Soil	18.7	44.4	0.17	434.9	0.036	1	0.71	0.003	0.09	0.5	1.6	0.59	0.07	92	10.7	0.17	3.6	
1300840	Soil	15.3	52.2	0.42	199.0	0.054	1	0.95	0.004	0.06	0.3	2.5	0.14	<0.02	12	1.9	0.04	4.2	
1300841	Soil	16.3	30.0	0.12	278.7	0.024	<1	0.75	0.003	0.06	0.4	1.3	0.36	0.04	73	2.5	0.06	2.9	
1300842	Soil	18.8	55.6	0.13	497.2	0.028	2	1.07	0.001	0.10	0.7	2.5	1.67	0.06	383	9.2	0.14	4.2	
1300843	Soil	9.1	54.8	0.02	458.6	0.010	2	0.39	<0.001	0.06	1.6	3.8	0.66	0.05	457	23.6	0.39	2.9	
1300844	Soil	20.5	20.3	0.14	122.9	0.028	<1	0.83	0.003	0.07	0.9	1.3	0.21	0.05	40	1.0	0.05	3.5	

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Project: IOLA
Report Date: July 09, 2012

CERTIFICATE OF ANALYSIS WHI12000127.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1300845	Soil	11.16	29.16	30.80	85.5	2253	16.1	2.2	44	1.97	71.9	1.6	3.9	1.3	54.6	0.28	4.84	0.23	73	0.03	0.129
1300846	Soil	5.18	23.84	29.07	58.7	1277	14.0	2.4	62	1.85	40.9	1.5	3.1	0.2	33.8	0.29	2.82	0.27	39	0.04	0.199
1300847	Soil	7.26	42.75	43.95	32.0	1963	9.2	1.0	22	1.78	39.6	2.6	6.9	3.6	47.9	0.29	3.49	0.15	30	0.06	0.199
1300848	Soil	7.85	51.60	35.12	51.4	1452	14.9	2.1	69	2.15	44.9	1.4	6.2	2.2	39.0	0.24	3.50	0.20	35	0.03	0.166
1300849	Soil	1.76	29.75	15.92	68.0	302	21.2	10.2	482	2.77	10.0	0.6	2.7	1.7	22.9	0.48	0.92	0.19	60	0.35	0.055
1300850	Soil	17.43	34.47	24.25	61.5	4387	14.7	1.7	41	2.11	74.2	5.9	12.3	0.5	65.0	0.87	19.55	0.17	130	0.08	0.359
1301001	Soil	19.48	23.97	11.02	33.7	3530	5.6	0.9	29	1.48	86.5	6.3	4.9	0.1	51.8	2.59	15.52	0.06	169	0.05	0.282
1301002	Soil	8.55	39.89	22.89	80.3	1601	38.6	7.9	253	3.41	75.3	1.0	6.2	2.4	40.1	0.40	8.20	0.15	74	0.08	0.122
1301003	Soil	10.87	19.38	18.01	59.1	2546	17.6	3.1	94	2.40	43.6	0.9	4.5	4.1	50.2	0.32	9.14	0.14	60	0.04	0.071
1301004	Soil	2.74	18.50	14.58	108.6	624	28.8	4.3	122	1.50	15.4	0.6	1.9	1.0	25.6	1.23	2.05	0.06	32	0.10	0.054
1301005	Soil	6.83	29.95	16.13	248.7	380	45.8	5.6	190	1.97	40.2	0.9	3.0	3.3	34.9	1.78	4.59	0.08	39	0.17	0.083
1301006	Soil	5.79	76.23	10.96	555.3	483	328.5	39.1	1736	8.01	163.9	0.9	2.0	2.6	20.0	3.97	3.21	0.05	45	0.36	0.135
1301007	Soil	6.83	26.32	23.31	160.0	1817	43.1	4.8	69	2.03	25.6	0.9	13.2	8.0	40.3	1.08	11.99	0.23	41	0.03	0.088
1301008	Soil	7.32	51.21	72.20	283.5	1741	39.7	4.7	83	1.70	45.1	2.4	6.6	0.1	73.8	2.61	17.08	0.32	24	0.07	0.160
1301009	Soil	1.23	20.77	4.52	47.7	586	29.0	6.8	291	1.90	10.6	0.2	0.5	<0.1	6.8	0.55	0.67	0.07	39	0.06	0.053
1301010	Soil	14.46	67.95	41.58	590.3	1058	132.7	11.5	182	3.38	151.8	2.9	5.8	1.5	137.7	2.45	34.51	0.17	62	0.09	0.198
1301011	Soil	2.61	33.35	20.56	267.4	1849	56.1	11.3	518	2.31	11.9	0.7	3.9	1.8	49.5	72.06	8.46	0.12	10	0.85	0.114
1301012	Soil	5.19	62.05	40.97	259.3	1045	55.2	13.7	548	3.01	124.0	1.4	6.3	0.9	48.0	2.12	8.01	0.14	39	0.06	0.085
1301013	Soil	0.55	7.28	3.14	20.2	134	4.5	2.4	229	0.79	4.7	0.2	0.6	<0.1	5.8	0.67	0.28	0.06	19	0.05	0.033
1301014	Soil	2.90	32.96	16.16	160.8	625	49.7	14.4	1248	3.15	70.2	0.6	2.4	0.1	19.3	1.98	4.84	0.13	49	0.12	0.103
1300601	Soil	29.62	96.20	36.49	8277	787	1206	133.0	6475	9.44	167.6	6.8	6.5	0.9	43.8	18.98	7.00	0.05	63	0.87	0.087
1300602	Soil	9.70	62.44	26.15	1763	422	531.3	61.2	1759	5.39	85.0	1.8	5.9	1.3	20.0	2.54	5.13	0.04	82	0.40	0.065
1300603	Soil	7.48	65.80	40.02	1778	742	429.7	46.0	1351	5.49	417.2	3.8	10.6	1.4	28.3	5.55	5.99	0.17	83	0.43	0.097
1300604	Soil	2.39	48.14	14.37	473.8	763	264.3	20.7	534	3.78	67.9	1.1	3.7	1.4	16.0	1.62	2.45	0.11	73	0.29	0.055
1300605	Soil	7.06	70.92	34.41	875.0	705	331.9	37.2	919	5.69	235.6	1.7	7.2	1.8	17.2	5.08	7.61	0.09	62	0.16	0.093
1300606	Soil	6.87	41.94	31.33	332.4	1104	76.5	7.9	136	2.07	52.5	1.9	6.4	4.3	59.7	2.58	10.18	0.13	34	0.07	0.104
1300607	Soil	2.93	20.03	13.75	234.7	402	84.9	9.8	149	2.10	23.7	0.7	2.4	2.8	39.4	0.97	4.63	0.12	47	0.12	0.074
1300608	Soil	5.57	28.25	13.23	218.6	334	53.6	6.1	135	1.87	27.6	1.0	1.4	2.9	40.2	2.46	4.69	0.11	41	0.09	0.081
1300609	Soil	4.24	29.07	13.75	385.5	416	78.3	11.1	300	2.69	27.6	1.5	3.4	2.2	48.0	2.55	5.21	0.14	65	0.13	0.150
1300610	Soil	1.22	26.63	8.87	139.8	156	276.9	30.1	549	3.59	22.8	0.4	12.0	2.1	12.7	1.92	1.35	0.09	48	0.19	0.063

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	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	As
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1300845	Soil	26.2	12.1	0.04	217.4	0.007	<1	0.50	0.001	0.07	0.7	0.7	0.41	0.09	70	4.2	0.09	1.7	
1300846	Soil	19.2	16.9	0.09	285.6	0.005	<1	0.61	0.004	0.07	0.3	0.4	0.24	0.07	79	2.4	0.12	3.0	
1300847	Soil	25.1	9.8	0.03	282.7	0.004	1	0.33	<0.001	0.07	0.2	1.3	0.18	0.07	142	7.0	0.15	0.9	
1300848	Soil	26.4	18.6	0.07	288.5	0.006	1	0.67	<0.001	0.08	0.3	1.9	0.26	0.08	129	6.7	0.13	2.1	
1300849	Soil	13.5	32.6	0.58	147.3	0.128	5	1.35	0.002	0.08	0.1	3.7	0.11	0.02	26	0.6	0.07	5.6	
1300850	Soil	22.1	26.3	0.08	748.1	0.008	<1	0.65	0.002	0.13	0.9	1.2	0.55	0.22	535	19.5	0.12	2.1	
1301001	Soil	15.1	20.3	0.03	334.7	0.003	<1	0.56	0.007	0.07	0.7	0.3	0.93	0.08	586	7.3	0.16	2.0	
1301002	Soil	15.8	52.9	0.31	438.7	0.040	1	1.22	0.002	0.05	0.4	3.1	0.23	0.06	56	4.6	0.07	4.3	
1301003	Soil	19.6	30.4	0.14	483.8	0.038	<1	0.75	0.001	0.07	0.6	1.9	0.32	0.10	66	5.1	0.14	3.1	
1301004	Soil	14.3	32.2	0.22	204.8	0.026	<1	0.73	0.012	0.06	0.1	1.5	0.12	<0.02	39	0.9	0.05	2.5	
1301005	Soil	24.4	44.7	0.22	236.9	0.015	<1	0.68	0.002	0.07	0.2	1.7	0.16	<0.02	25	2.5	0.03	2.0	
1301006	Soil	23.0	63.5	0.26	425.4	0.006	<1	1.12	0.004	0.07	0.3	9.1	0.54	<0.02	77	2.6	0.05	2.9	
1301007	Soil	31.0	36.6	0.20	325.9	0.009	1	0.66	0.001	0.05	0.3	1.3	0.20	0.07	220	10.6	0.08	1.8	
1301008	Soil	7.5	9.3	0.05	432.0	0.001	1	0.39	0.008	0.06	0.3	0.4	0.41	0.09	137	8.9	0.08	1.2	
1301009	Soil	3.8	38.4	0.33	87.1	0.032	<1	0.84	0.013	0.03	0.1	0.9	0.04	<0.02	30	0.3	0.03	3.5	
1301010	Soil	19.8	17.0	0.02	173.2	0.004	<1	0.39	0.002	0.04	1.1	2.4	0.33	0.04	33	6.7	0.12	1.3	
1301011	Soil	20.6	8.3	0.37	83.2	0.002	2	0.32	0.002	0.04	0.1	3.2	0.12	<0.02	105	5.6	0.04	0.4	
1301012	Soil	16.3	27.4	0.16	229.4	0.010	1	0.98	0.006	0.04	0.5	2.3	0.20	0.04	61	3.4	0.08	2.7	
1301013	Soil	2.7	7.5	0.07	57.0	0.010	<1	0.43	0.021	0.02	<0.1	0.2	0.04	<0.02	16	<0.1	0.02	2.3	
1301014	Soil	11.3	64.2	0.37	265.0	0.011	<1	1.04	0.003	0.05	0.2	1.0	0.12	0.05	24	1.4	0.06	3.8	
1300601	Soil	4.1	274.6	3.23	304.0	0.018	7	1.33	0.004	0.03	0.1	8.6	0.36	0.04	95	3.7	0.05	3.6	
1300602	Soil	5.3	435.0	3.60	160.6	0.042	7	1.67	0.004	0.03	0.6	9.3	0.20	<0.02	48	1.3	0.05	4.4	
1300603	Soil	6.3	286.6	2.82	144.8	0.021	6	1.18	0.005	0.05	0.2	9.3	0.39	0.03	79	2.8	0.30	3.5	
1300604	Soil	9.0	193.9	1.61	306.4	0.031	3	1.72	0.005	0.05	0.2	6.9	0.15	<0.02	17	0.6	<0.02	5.3	
1300605	Soil	8.5	290.3	1.79	215.8	0.023	3	1.57	0.002	0.05	0.2	9.6	0.19	<0.02	26	2.7	0.05	3.6	
1300606	Soil	18.2	68.4	0.28	269.0	0.007	2	0.44	0.002	0.07	0.2	2.4	0.36	0.06	24	5.6	0.09	1.0	
1300607	Soil	14.5	116.4	0.72	319.6	0.019	1	0.87	0.004	0.05	0.3	2.1	0.20	<0.02	8	1.9	0.03	2.9	
1300608	Soil	17.0	58.3	0.23	206.0	0.019	<1	0.59	0.003	0.05	0.2	1.7	0.15	<0.02	12	2.0	0.05	2.1	
1300609	Soil	15.2	87.6	0.52	373.7	0.023	2	1.20	0.003	0.06	0.2	2.4	0.22	<0.02	12	2.2	0.07	3.8	
1300610	Soil	8.2	331.6	2.82	192.9	0.037	5	1.27	0.004	0.04	0.2	4.8	0.07	<0.02	13	0.7	0.03	3.6	

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Project: IOLA
Report Date: July 09, 2012

CERTIFICATE OF ANALYSIS WHI12000127.1

		Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1300611	Soil		1.52	27.47	6.79	280.0	249	318.4	34.3	584	4.46	43.8	0.3	7.8	1.8	12.5	2.52	2.03	0.08	66	0.25	0.106
1300612	Soil		9.44	25.61	17.17	153.7	1438	22.4	2.5	231	1.21	21.2	1.6	4.6	0.2	22.8	1.87	9.00	0.10	124	0.08	0.075
1300613	Soil		3.00	21.35	11.51	237.5	1035	43.9	5.5	102	1.67	20.7	0.7	2.6	1.9	18.8	1.27	4.98	0.08	42	0.07	0.063
1300614	Soil		31.03	62.61	21.71	534.8	4246	98.3	4.1	55	1.99	155.3	3.2	10.4	2.3	42.9	3.13	44.56	0.11	286	0.29	0.256
1300615	Soil		6.39	59.67	29.45	185.1	1509	39.2	6.1	170	2.69	98.6	1.1	8.4	0.4	67.0	0.94	15.76	0.20	36	0.06	0.139
1300616	Soil		4.53	30.46	13.89	83.1	1152	40.9	10.8	381	3.76	72.3	0.5	2.1	1.7	23.3	0.42	4.71	0.15	65	0.07	0.068
1300617	Soil		5.99	29.01	18.97	75.3	7572	29.7	5.9	169	2.88	48.5	0.9	8.7	3.4	42.2	0.29	10.86	0.20	61	0.05	0.060
1300618	Soil		7.72	15.38	15.36	50.8	912	10.7	2.3	197	1.71	41.0	0.8	2.2	2.0	56.6	0.21	7.55	0.17	66	0.04	0.051
1300619	Soil		52.35	38.69	22.83	90.5	7545	14.6	1.1	22	1.85	125.9	8.6	12.3	1.3	70.0	1.03	35.10	0.17	236	0.04	0.368
1300620	Soil		2.09	48.68	12.18	108.4	219	80.7	18.1	598	3.12	26.5	0.4	2.1	3.3	16.7	0.84	1.66	0.12	47	0.14	0.065
1300621	Soil		2.96	27.33	22.35	257.3	755	44.6	11.2	582	2.39	100.6	1.1	4.3	3.9	32.0	2.31	2.22	0.14	29	0.16	0.114
1300622	Soil		2.86	26.80	26.08	136.2	371	71.6	12.8	298	2.63	29.6	0.8	1.2	5.0	35.5	0.78	2.06	0.23	45	0.20	0.093
1300623	Soil		2.97	31.59	44.85	169.6	688	105.5	12.2	277	2.59	27.7	1.0	4.2	5.6	29.2	0.77	2.35	1.69	34	0.11	0.076
1300624	Soil		2.15	25.13	19.65	184.2	367	35.1	5.5	94	2.25	31.0	0.8	2.6	5.9	25.7	1.28	1.98	0.28	15	0.04	0.065
1300625	Soil		4.63	14.44	30.52	97.5	670	24.8	3.4	51	1.82	41.6	0.9	0.6	4.8	37.7	0.41	3.65	0.20	34	0.04	0.073
1300626	Soil		4.32	34.70	52.78	126.9	1576	63.9	9.0	205	3.01	66.3	1.3	2.6	3.2	61.5	1.17	4.37	0.34	45	0.09	0.105
1300627	Soil		3.22	29.91	210.2	113.5	2023	20.3	4.0	92	2.67	57.4	1.1	6.4	4.6	43.1	0.83	4.06	0.68	25	0.05	0.152
1300628	Soil		2.48	39.26	37.00	103.6	827	65.1	15.1	505	3.35	33.5	0.8	24.1	3.6	34.9	1.10	2.85	0.25	52	0.21	0.156
1300629	Soil		2.33	30.78	46.57	177.2	1047	34.6	7.3	255	2.79	55.7	1.0	3.3	3.5	39.1	1.35	3.43	0.25	30	0.07	0.095
1300630	Soil		2.37	29.24	31.00	122.0	1127	33.3	7.4	245	2.48	43.0	0.9	2.2	3.4	42.8	1.39	3.25	0.25	34	0.13	0.130
1300631	Soil		2.33	29.36	25.41	176.8	575	24.9	5.3	185	2.23	25.4	0.9	1.2	2.2	40.7	2.81	2.42	0.27	30	0.08	0.085
1300632	Soil		4.10	21.36	31.02	79.1	547	12.7	2.1	46	1.48	32.7	0.9	1.3	4.3	48.6	0.39	2.46	0.27	33	0.02	0.083
1300633	Soil		6.58	38.85	28.43	88.3	652	24.0	5.6	263	2.23	37.4	2.3	3.2	0.6	42.3	0.61	2.80	0.22	53	0.07	0.132
1300634	Soil		10.16	25.82	35.24	58.6	4037	16.6	2.8	81	1.90	41.6	2.6	3.6	2.1	51.3	0.34	5.91	0.32	59	0.06	0.194
1300635	Soil		15.57	22.72	52.07	72.7	2392	16.2	2.4	70	2.02	40.6	2.5	3.2	4.3	48.7	0.40	6.00	0.51	88	0.06	0.244
1300636	Soil		7.63	38.45	180.5	133.4	2447	24.7	4.2	153	1.80	63.1	2.2	3.7	2.5	57.3	0.60	7.12	1.74	40	0.06	0.100
1300637	Soil		3.47	61.36	40.79	149.2	219	67.4	9.0	200	5.86	55.9	0.8	2.3	6.2	17.4	0.37	2.10	0.43	65	0.02	0.085
1300638	Soil		1.16	75.64	7.81	109.9	381	51.4	33.3	818	6.53	56.2	0.8	6.9	1.7	38.2	0.27	1.13	0.12	175	0.99	0.141
1300639	Soil		2.31	29.81	18.23	120.8	281	25.5	4.2	101	2.09	17.5	1.1	2.1	0.1	22.4	0.58	1.10	0.32	35	0.09	0.103
1300640	Soil		5.00	43.51	17.44	74.6	142	19.7	4.5	127	3.15	30.7	2.7	2.5	2.7	9.1	0.40	2.14	0.32	35	0.06	0.173

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Project: IOLA
Report Date: July 09, 2012

CERTIFICATE OF ANALYSIS WHI12000127.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	As
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1300611	Soil	8.0	337.0	3.17	260.0	0.036	8	1.79	0.004	0.05	0.2	5.9	0.09	<0.02	21	0.5	0.03	5.3	
1300612	Soil	16.6	20.5	0.06	276.7	0.011	1	0.39	0.008	0.07	0.4	0.6	0.37	0.05	281	3.8	0.10	2.0	
1300613	Soil	20.9	21.1	0.09	219.7	0.006	1	0.59	0.004	0.05	0.3	1.4	0.21	<0.02	96	2.1	0.03	1.7	
1300614	Soil	23.1	29.8	0.06	230.9	0.008	2	0.59	<0.001	0.07	1.4	1.9	1.11	0.05	1945	10.8	0.23	1.5	
1300615	Soil	18.6	22.8	0.11	458.1	0.009	1	0.58	0.005	0.06	0.3	1.0	0.26	0.09	32	4.0	0.12	2.3	
1300616	Soil	10.3	60.9	0.37	196.4	0.066	1	1.27	0.004	0.04	0.4	3.2	0.16	0.04	35	1.4	0.05	5.0	
1300617	Soil	18.3	45.5	0.26	1260	0.038	1	1.60	0.003	0.08	0.4	2.8	0.20	0.13	136	5.6	0.11	3.4	
1300618	Soil	20.4	16.1	0.07	453.0	0.023	1	0.53	0.003	0.07	0.3	1.0	0.24	0.10	27	5.0	0.09	3.0	
1300619	Soil	23.8	27.0	0.03	703.0	0.007	2	0.67	<0.001	0.10	1.9	1.9	0.82	0.14	2376	15.6	0.21	1.7	
1300620	Soil	13.1	94.9	0.68	238.7	0.051	2	1.18	0.004	0.07	0.2	3.8	0.09	<0.02	10	1.0	0.06	3.6	
1300621	Soil	14.6	23.3	0.18	478.9	0.032	<1	0.80	0.011	0.12	0.1	1.9	0.11	0.02	37	0.7	<0.02	2.7	
1300622	Soil	16.5	77.6	0.65	1093	0.043	1	1.23	0.007	0.09	0.2	3.0	0.15	0.02	18	0.7	0.02	4.4	
1300623	Soil	17.2	116.0	1.05	863.8	0.024	2	1.07	0.006	0.10	0.2	2.6	0.16	0.05	25	1.2	0.03	3.3	
1300624	Soil	24.6	11.2	0.12	308.7	0.015	<1	0.44	0.002	0.12	0.1	1.0	0.17	0.03	<5	0.8	0.04	1.5	
1300625	Soil	17.1	19.2	0.06	245.2	0.021	<1	0.39	0.003	0.08	0.4	1.0	0.19	0.06	18	1.7	0.03	2.1	
1300626	Soil	19.1	65.0	0.42	638.5	0.020	1	0.96	0.005	0.09	0.4	2.0	0.19	0.07	24	1.8	0.11	3.1	
1300627	Soil	20.5	20.0	0.13	340.2	0.017	<1	0.64	0.004	0.11	0.4	1.4	0.31	0.13	29	1.8	0.07	2.3	
1300628	Soil	15.9	73.0	0.74	294.7	0.049	2	1.35	0.004	0.09	0.3	4.1	0.14	0.03	19	1.1	0.06	4.0	
1300629	Soil	15.2	32.9	0.32	261.5	0.028	1	0.78	0.002	0.08	0.2	2.3	0.14	0.04	29	1.0	0.06	2.4	
1300630	Soil	12.9	34.6	0.29	233.6	0.031	2	0.75	0.003	0.07	0.2	2.2	0.13	0.04	19	1.1	<0.02	2.6	
1300631	Soil	19.4	24.3	0.19	277.3	0.026	1	0.65	0.003	0.11	0.2	1.4	0.21	0.04	15	1.0	<0.02	2.8	
1300632	Soil	16.3	11.2	0.04	214.7	0.023	1	0.50	0.001	0.06	0.3	1.2	0.21	0.05	11	1.2	0.08	2.4	
1300633	Soil	19.3	24.7	0.33	491.7	0.010	2	0.97	0.003	0.07	0.2	1.7	0.23	0.06	47	2.9	0.06	3.2	
1300634	Soil	19.7	24.0	0.12	380.1	0.017	2	0.91	0.002	0.07	0.4	1.9	0.29	0.07	172	6.3	0.13	2.4	
1300635	Soil	16.2	23.9	0.11	321.7	0.026	2	0.62	0.001	0.07	0.4	1.8	0.36	0.06	136	7.7	0.19	3.1	
1300636	Soil	21.5	13.9	0.09	233.3	0.010	1	0.51	0.002	0.08	0.3	1.4	0.31	0.07	116	3.8	0.08	1.5	
1300637	Soil	14.4	26.7	0.04	160.7	0.017	2	0.51	<0.001	0.06	0.6	4.7	0.15	<0.02	24	0.8	0.18	3.5	
1300638	Soil	12.1	34.4	0.71	248.3	0.004	<1	1.57	<0.001	0.04	0.7	27.6	0.11	0.04	182	0.9	<0.02	6.3	
1300639	Soil	13.5	18.9	0.17	126.7	0.006	1	0.82	0.004	0.06	0.1	0.5	0.14	0.07	38	0.6	0.06	3.4	
1300640	Soil	15.1	21.8	0.53	156.7	0.009	<1	1.39	0.001	0.06	<0.1	1.4	0.18	0.02	30	1.1	0.10	3.5	

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	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
1300641	Soil	2.50	30.99	26.06	84.0	350	20.5	4.9	105	2.90	15.1	1.3	4.7	5.7	23.1	0.32	1.77	0.26	38	0.11	0.075
1300642	Soil	1.93	34.08	20.48	77.2	269	22.0	5.7	148	2.38	14.5	1.8	3.4	4.1	27.2	0.48	1.67	0.26	39	0.19	0.102
1300643	Soil	2.78	57.13	42.22	156.0	409	31.8	4.9	92	2.59	15.4	2.0	3.8	4.5	52.1	0.50	2.64	0.27	29	0.09	0.101
1300644	Soil	2.00	38.18	28.93	113.2	356	29.0	6.7	158	2.75	27.8	1.9	2.0	5.0	29.8	0.69	1.83	0.22	35	0.10	0.079
1300645	Soil	1.93	25.00	23.43	99.7	249	24.5	5.9	191	2.92	18.9	1.2	4.3	2.7	22.1	0.78	1.13	0.23	46	0.15	0.121
1300646	Soil	2.08	33.36	33.33	98.8	560	26.1	6.4	170	2.67	31.7	1.3	2.5	2.5	25.6	0.78	1.28	0.32	39	0.14	0.097
1300647	Soil	2.60	24.71	29.95	127.1	443	25.7	4.8	131	2.36	40.1	1.1	4.0	0.9	32.5	0.48	2.12	0.30	35	0.07	0.076
1300648	Soil	2.20	24.50	26.98	103.5	409	20.5	4.6	107	2.37	23.6	1.1	2.5	1.5	30.3	0.57	1.37	0.55	39	0.13	0.111
1300649	Soil	2.98	72.58	30.18	210.5	788	33.4	5.9	95	2.41	30.6	1.7	1.8	5.4	66.9	0.87	1.99	0.20	24	0.06	0.121
1300650	Soil	2.40	29.19	22.93	170.5	742	30.6	5.8	177	2.49	46.5	1.1	2.9	1.5	23.8	1.04	1.95	0.25	24	0.07	0.080
1300651	Soil	2.37	25.35	21.53	128.4	751	26.3	6.0	183	2.26	30.8	1.2	1.9	3.4	27.8	1.10	1.94	0.23	32	0.07	0.067
1300652	Soil	1.20	13.66	4.66	29.0	175	5.9	1.6	35	1.18	41.2	0.4	1.2	0.3	8.9	0.11	1.30	0.08	22	0.04	0.039
1300653	Soil	1.90	29.21	16.40	124.7	1154	32.8	9.4	210	2.44	15.3	1.2	3.6	7.1	15.9	1.24	1.91	0.21	39	0.07	0.041
1300654	Soil	2.17	21.71	77.22	76.1	604	16.2	3.5	91	2.06	28.5	1.0	1.5	0.9	29.2	0.30	1.05	1.49	34	0.07	0.059
1300655	Soil	1.94	19.50	22.01	80.8	160	17.3	4.3	180	2.16	12.6	0.9	1.4	0.4	19.5	0.38	1.02	0.34	40	0.08	0.056
1300656	Soil	2.06	25.71	20.28	82.3	307	20.4	4.9	160	2.38	17.2	1.1	2.8	0.4	21.0	0.57	0.98	0.32	42	0.12	0.086
1300657	Soil	2.51	25.40	22.86	114.5	342	24.8	6.5	177	2.62	19.8	1.1	3.3	4.3	24.0	0.86	1.32	0.32	43	0.11	0.061
1300658	Soil	2.19	29.29	23.51	132.1	214	31.0	7.3	201	2.52	21.4	1.2	7.3	0.6	24.1	0.54	1.35	0.27	44	0.10	0.076
1300659	Soil	2.18	26.18	21.88	111.9	218	24.3	5.4	133	2.36	18.2	1.0	11.6	0.8	19.9	0.53	1.39	0.25	40	0.10	0.060
1300660	Soil	2.25	31.61	23.03	136.2	286	28.5	7.1	189	2.71	20.4	1.3	2.1	0.4	21.0	0.76	1.64	0.30	39	0.08	0.082

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Project: IOLA
Report Date: July 09, 2012

CERTIFICATE OF ANALYSIS WHI12000127.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	As
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1300641	Soil	17.9	23.1	0.31	162.1	0.029	2	1.29	0.004	0.06	0.2	2.0	0.14	0.04	50	1.4	0.09	3.2	
1300642	Soil	20.6	23.8	0.41	211.6	0.040	1	1.16	0.005	0.06	0.2	2.6	0.13	0.03	42	0.6	<0.02	3.3	
1300643	Soil	18.2	17.1	0.30	393.9	0.017	<1	1.05	0.004	0.06	0.1	1.7	0.15	0.06	33	0.8	<0.02	2.6	
1300644	Soil	16.6	22.0	0.34	139.6	0.036	2	1.15	0.004	0.07	0.2	1.9	0.12	0.04	29	0.9	0.05	3.2	
1300645	Soil	15.4	31.2	0.33	120.3	0.043	2	1.09	0.004	0.07	0.4	2.0	0.10	0.03	44	0.7	0.05	3.8	
1300646	Soil	14.7	25.5	0.38	143.8	0.036	2	1.20	0.004	0.08	0.2	2.0	0.13	0.04	29	0.5	0.04	3.6	
1300647	Soil	18.8	18.5	0.16	127.7	0.029	1	0.68	0.004	0.09	0.2	1.1	0.13	0.06	14	0.7	0.05	3.7	
1300648	Soil	17.6	20.7	0.23	178.8	0.032	2	0.74	0.006	0.09	0.3	1.3	0.12	0.05	22	0.6	0.02	3.2	
1300649	Soil	25.7	13.6	0.08	180.4	0.007	2	0.94	0.001	0.14	0.1	1.5	0.31	0.07	39	2.1	0.02	1.8	
1300650	Soil	27.2	13.9	0.13	113.9	0.017	1	0.63	0.002	0.12	0.1	1.0	0.14	0.06	29	0.8	0.03	2.3	
1300651	Soil	27.0	21.9	0.25	125.2	0.026	<1	0.87	0.002	0.10	0.1	1.6	0.14	0.05	29	0.7	0.02	3.2	
1300652	Soil	5.4	5.5	0.03	44.8	0.028	<1	0.50	0.022	0.03	<0.1	0.6	0.07	<0.02	19	0.4	<0.02	2.7	
1300653	Soil	20.1	27.0	0.33	122.7	0.035	1	1.45	0.003	0.09	0.2	2.8	0.21	0.03	45	0.9	0.04	3.6	
1300654	Soil	18.9	18.5	0.23	146.4	0.026	1	0.87	0.004	0.09	0.2	1.2	0.18	0.07	25	0.7	0.04	3.4	
1300655	Soil	16.6	22.1	0.18	107.3	0.024	1	0.89	0.003	0.06	0.2	0.9	0.15	0.04	16	0.7	0.04	3.9	
1300656	Soil	15.7	24.5	0.29	182.3	0.021	2	1.12	0.005	0.08	0.2	1.0	0.14	0.07	33	1.3	0.05	4.0	
1300657	Soil	18.1	22.6	0.26	160.6	0.046	1	0.96	0.003	0.07	0.2	1.9	0.15	0.03	22	0.6	<0.02	3.8	
1300658	Soil	18.9	24.9	0.26	181.2	0.020	1	1.14	0.004	0.07	0.2	1.1	0.17	0.05	20	0.5	<0.02	3.9	
1300659	Soil	19.0	22.0	0.24	148.3	0.019	1	1.04	0.004	0.07	0.2	1.1	0.14	0.04	25	1.0	<0.02	3.6	
1300660	Soil	17.8	22.7	0.29	137.8	0.015	2	1.01	0.003	0.08	0.2	0.7	0.18	0.05	39	0.8	0.05	3.7	

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Project: IOLA
Report Date: July 09, 2012

QUALITY CONTROL REPORT WHI12000127.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
Pulp Duplicates																					
122352	Soil	122.8	60.89	32.40	8.4	13893	3.4	0.2	8	3.37	167.8	20.1	4.8	8.0	78.4	0.20	59.33	0.28	1037	0.01	0.549
REP 122352	QC	123.1	61.80	33.18	9.5	13990	3.5	0.3	7	3.37	170.7	20.4	7.1	8.6	77.9	0.21	67.06	0.29	1043	0.01	0.595
122365	Soil	5.30	36.99	116.3	171.8	1696	31.4	12.1	337	2.14	53.8	1.3	3.5	5.1	43.3	0.85	4.93	0.83	23	0.05	0.089
REP 122365	QC	5.54	38.25	117.9	170.4	1602	33.5	12.1	344	2.15	54.7	1.3	2.2	5.2	45.6	0.75	5.09	0.87	23	0.04	0.093
122388	Soil	1.09	70.77	6.97	71.9	52	130.3	32.8	874	4.76	25.3	0.4	2.8	2.7	10.5	0.23	1.33	0.15	84	0.26	0.047
REP 122388	QC	1.07	69.65	7.46	74.0	58	130.1	32.3	880	4.76	26.0	0.4	2.9	2.7	10.5	0.24	1.30	0.12	84	0.27	0.046
1300851	Soil	0.32	28.23	4.46	29.3	31	577.2	87.7	943	4.13	20.5	0.2	0.6	0.8	19.6	0.18	1.53	0.04	57	0.31	0.029
REP 1300851	QC	0.30	28.71	4.55	30.0	32	577.2	87.3	954	4.21	19.7	0.2	11.4	0.8	20.4	0.19	1.74	0.03	58	0.32	0.031
1300874	Soil	2.76	39.49	92.99	222.0	639	36.3	6.6	156	2.05	36.0	0.9	1.8	2.9	47.0	2.32	4.90	0.39	23	0.05	0.075
REP 1300874	QC	2.80	39.36	90.15	216.0	622	37.0	6.8	161	2.07	35.4	0.9	4.1	2.9	45.7	2.18	4.59	0.39	23	0.04	0.076
1300887	Soil	14.83	18.73	185.1	51.5	3822	17.2	1.9	49	2.22	12.5	0.6	4.8	4.3	76.8	0.19	4.87	0.28	61	0.03	0.087
REP 1300887	QC	14.77	19.03	177.5	50.3	3784	16.7	2.0	47	2.16	12.3	0.6	4.3	4.3	75.8	0.23	5.04	0.28	59	0.03	0.082
1300514	Soil	46.18	33.32	28.83	90.4	3362	17.7	1.4	32	1.91	36.4	18.7	5.6	5.0	92.1	0.56	16.86	0.20	277	0.06	0.338
REP 1300514	QC	45.33	34.03	29.59	90.8	3300	17.6	1.5	32	1.89	37.0	19.1	5.8	5.0	92.3	0.57	16.93	0.20	276	0.06	0.354
1300527	Soil	59.57	37.14	28.40	20.2	4481	7.3	1.2	52	3.08	36.4	6.0	3.6	3.0	45.3	0.25	15.55	0.25	120	0.04	0.373
REP 1300527	QC	58.09	35.69	30.32	20.0	4591	7.2	1.1	50	3.05	36.3	6.4	4.9	3.1	46.6	0.28	15.95	0.27	116	0.04	0.383
1300550	Soil	3.01	35.20	89.80	122.5	1313	22.7	4.1	55	2.31	51.9	1.2	3.4	5.8	26.9	0.66	1.40	1.80	35	0.02	0.059
REP 1300550	QC	2.95	34.39	89.98	124.6	1340	23.0	4.2	55	2.31	52.7	1.1	2.2	5.8	26.8	0.59	1.41	1.78	35	0.01	0.057
1300563	Soil	0.87	19.67	8.01	32.8	332	1864	116.0	1673	5.20	713.3	0.2	20.5	0.3	23.6	0.18	30.28	0.04	36	0.66	0.027
REP 1300563	QC	0.84	19.95	8.26	31.4	340	1891	119.7	1682	5.33	749.6	0.2	19.9	0.4	24.4	0.20	30.61	0.04	38	0.71	0.027
1300586	Soil	1.79	16.72	16.92	65.7	241	13.2	3.5	394	1.50	16.7	0.7	2.4	<0.1	12.5	0.32	0.96	0.27	26	0.03	0.083
REP 1300586	QC	1.86	17.66	17.99	68.9	257	13.8	3.8	444	1.51	17.6	0.8	0.4	<0.1	13.6	0.34	1.03	0.28	27	0.03	0.090
1300599	Soil	1.18	11.46	8.39	16.4	417	3.8	1.3	72	0.85	12.1	0.4	<0.2	0.4	11.0	0.11	0.78	0.13	20	0.06	0.051
REP 1300599	QC	1.15	11.80	8.19	17.9	422	3.7	1.4	72	0.85	12.2	0.4	<0.2	0.5	10.7	0.12	0.82	0.12	20	0.06	0.050
1300822	Soil	2.33	25.70	13.38	150.1	804	40.0	6.8	186	2.58	25.5	0.6	2.3	4.0	10.8	1.36	2.26	0.18	32	0.08	0.082
REP 1300822	QC	2.47	27.20	13.36	159.8	832	41.1	7.0	202	2.61	27.0	0.6	1.8	4.0	11.7	1.37	2.29	0.19	31	0.08	0.088
1300835	Soil	6.36	17.95	38.93	114.5	1007	8.0	1.1	30	1.98	6.2	0.7	1.9	4.9	67.1	1.16	2.21	0.26	37	0.03	0.075
REP 1300835	QC	6.05	18.02	36.51	113.9	969	7.5	1.2	29	1.91	5.7	0.7	1.7	4.7	63.0	1.05	2.18	0.23	37	0.03	0.071

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QUALITY CONTROL REPORT WHI12000127.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	7TD
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	As
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
Pulp Duplicates																			
122352	Soil	36.5	116.7	0.03	942.6	0.006	2	0.59	<0.001	0.17	1.6	8.3	1.40	0.28	3233	76.9	0.63	15.3	
REP 122352	QC	39.8	113.8	0.03	1059	0.008	3	0.60	<0.001	0.18	1.9	9.0	1.48	0.29	3396	78.3	0.83	14.8	
122365	Soil	15.8	18.8	0.11	202.7	0.015	<1	0.75	0.002	0.05	0.5	1.7	0.22	0.05	43	1.8	0.08	1.3	
REP 122365	QC	15.3	18.2	0.12	197.8	0.014	<1	0.75	0.002	0.05	0.5	1.7	0.23	0.05	43	2.0	0.09	1.3	
122388	Soil	9.8	165.8	1.31	196.8	0.064	2	2.53	0.002	0.05	0.3	7.2	0.10	<0.02	24	0.2	0.02	5.9	
REP 122388	QC	9.8	166.6	1.33	192.9	0.065	2	2.56	0.002	0.05	0.2	7.6	0.09	<0.02	17	0.2	0.03	6.1	
1300851	Soil	3.5	710.5	3.74	114.3	0.033	6	1.38	0.009	0.03	<0.1	8.0	0.04	<0.02	23	0.2	0.05	3.5	
REP 1300851	QC	3.6	705.4	3.71	110.8	0.037	7	1.39	0.009	0.04	0.1	8.1	0.04	<0.02	21	<0.1	0.02	3.5	
1300874	Soil	14.4	19.4	0.18	415.9	0.018	1	0.50	0.003	0.07	0.4	1.6	0.17	0.05	11	1.4	0.12	2.3	
REP 1300874	QC	13.9	19.9	0.17	399.2	0.017	1	0.50	0.003	0.07	0.5	1.5	0.17	0.05	8	1.4	0.08	2.3	
1300887	Soil	11.6	37.4	0.10	761.7	0.015	<1	1.06	0.003	0.09	0.3	1.3	0.60	0.18	153	15.4	0.25	3.6	
REP 1300887	QC	11.8	37.5	0.10	741.6	0.016	<1	1.02	0.003	0.08	0.3	1.5	0.60	0.18	150	15.2	0.25	3.5	
1300514	Soil	25.5	45.8	0.08	476.4	0.008	1	0.61	<0.001	0.08	0.9	2.2	0.75	0.09	333	22.4	0.14	2.7	
REP 1300514	QC	25.9	44.5	0.08	476.8	0.008	2	0.62	<0.001	0.08	0.9	2.1	0.74	0.09	327	21.7	0.17	2.7	
1300527	Soil	20.0	27.9	0.06	963.8	0.014	1	0.84	0.002	0.10	0.9	2.3	1.04	0.12	556	9.2	0.25	3.4	
REP 1300527	QC	21.0	27.2	0.06	950.7	0.014	1	0.83	0.002	0.09	0.9	2.4	1.07	0.12	566	9.5	0.27	3.3	
1300550	Soil	23.9	14.8	0.21	196.4	0.012	1	0.96	0.002	0.14	0.5	1.4	0.29	0.10	46	1.8	0.06	2.3	
REP 1300550	QC	24.0	15.5	0.20	204.0	0.012	1	0.96	0.001	0.14	0.5	1.4	0.29	0.10	41	1.7	0.08	2.3	
1300563	Soil	2.0	486.5	5.98	106.0	0.016	3	0.63	0.011	0.02	1.6	8.3	0.24	0.02	43	0.3	0.05	2.1	
REP 1300563	QC	2.0	490.1	5.89	105.4	0.015	2	0.63	0.011	0.02	1.5	8.1	0.25	0.02	55	0.3	0.03	2.2	
1300586	Soil	10.7	12.5	0.09	116.9	0.003	1	0.57	0.008	0.06	0.1	0.2	0.10	0.07	20	0.5	0.03	2.2	
REP 1300586	QC	11.1	13.1	0.09	125.2	0.003	1	0.58	0.008	0.06	<0.1	0.2	0.10	0.07	27	0.5	0.04	2.3	
1300599	Soil	12.0	5.1	0.05	92.5	0.021	<1	0.69	0.020	0.06	<0.1	0.6	0.10	0.03	18	0.4	<0.02	2.7	
REP 1300599	QC	11.7	5.1	0.05	90.8	0.021	<1	0.68	0.020	0.06	0.1	0.6	0.10	0.03	16	0.4	<0.02	2.7	
1300822	Soil	19.5	31.4	0.17	129.3	0.023	<1	0.83	0.002	0.04	0.2	1.7	0.08	<0.02	21	0.8	0.03	3.3	
REP 1300822	QC	20.2	32.4	0.18	135.3	0.023	<1	0.83	0.002	0.04	0.2	1.7	0.08	<0.02	25	1.0	0.03	3.3	
1300835	Soil	17.6	9.6	0.04	661.5	0.011	<1	0.57	0.031	0.19	0.1	0.8	1.00	0.37	29	2.3	0.04	2.5	
REP 1300835	QC	16.4	9.6	0.04	614.3	0.011	<1	0.54	0.030	0.18	<0.1	0.8	0.92	0.37	27	2.1	0.03	2.4	

Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Rackla Metals Inc.**
650-200 Burrard St.
Vancouver BC V6C 3L6 Canada

Project: IOLA
Report Date: July 09, 2012

QUALITY CONTROL REPORT WHI12000127.1

		1F15 Mo ppm 0.01	1F15 Cu ppm 0.01	1F15 Pb ppm 0.01	1F15 Zn ppm 0.1	1F15 Ag ppb 2	1F15 Ni ppm 0.1	1F15 Co ppm 0.1	1F15 Mn ppm 1	1F15 Fe % 0.01	1F15 As ppm 0.1	1F15 U ppm 0.1	1F15 Au ppb 0.2	1F15 Th ppm 0.1	1F15 Sr ppm 0.5	1F15 Cd ppm 0.01	1F15 Sb ppm 0.02	1F15 Bi ppm 0.02	1F15 V ppm 2	1F15 Ca % 0.01	1F15 P % 0.001
1301008	Soil	7.32	51.21	72.20	283.5	1741	39.7	4.7	83	1.70	45.1	2.4	6.6	0.1	73.8	2.61	17.08	0.32	24	0.07	0.160
REP 1301008	QC	7.55	50.90	73.59	278.6	1751	40.4	4.7	84	1.71	44.6	2.4	7.1	0.2	79.0	2.58	17.22	0.32	24	0.07	0.162
1300607	Soil	2.93	20.03	13.75	234.7	402	84.9	9.8	149	2.10	23.7	0.7	2.4	2.8	39.4	0.97	4.63	0.12	47	0.12	0.074
REP 1300607	QC	2.95	20.76	13.89	250.1	416	86.7	9.6	149	2.12	24.9	0.7	3.5	2.9	41.0	1.03	4.76	0.11	48	0.12	0.076
1300630	Soil	2.37	29.24	31.00	122.0	1127	33.3	7.4	245	2.48	43.0	0.9	2.2	3.4	42.8	1.39	3.25	0.25	34	0.13	0.130
REP 1300630	QC	2.36	29.64	32.24	123.2	1189	34.5	7.5	254	2.57	45.7	0.9	1.8	3.6	46.2	1.42	3.32	0.26	35	0.13	0.137
1300643	Soil	2.78	57.13	42.22	156.0	409	31.8	4.9	92	2.59	15.4	2.0	3.8	4.5	52.1	0.50	2.64	0.27	29	0.09	0.101
REP 1300643	QC	2.80	57.74	42.98	163.6	404	29.8	4.8	91	2.59	15.7	2.0	2.4	4.4	51.6	0.51	2.57	0.27	29	0.09	0.103
Reference Materials																					
STD CDN-ME-9	Standard																				
STD CDN-ME-14	Standard																				
STD DS9	Standard	14.04	108.6	123.6	310.4	1908	43.5	7.9	604	2.34	23.4	2.7	119.1	6.6	71.8	2.20	5.57	6.16	41	0.75	0.083
STD DS9	Standard	13.49	109.9	125.4	300.4	1836	41.3	7.5	594	2.42	25.3	2.8	115.7	6.7	72.9	2.27	5.13	6.31	40	0.77	0.087
STD DS9	Standard	13.41	108.8	120.6	323.0	1888	41.5	8.1	612	2.36	26.1	2.7	124.1	6.4	70.3	2.47	5.18	6.24	41	0.75	0.085
STD DS9	Standard	13.79	106.8	120.0	311.4	1822	41.7	7.9	609	2.36	25.2	2.8	119.8	6.5	69.6	2.32	5.03	6.23	40	0.75	0.090
STD DS9	Standard	13.92	106.6	131.1	317.3	1938	43.0	7.8	605	2.36	26.0	2.8	126.0	6.6	75.7	2.40	5.87	6.00	41	0.76	0.087
STD DS9	Standard	14.19	108.3	132.8	323.0	1961	43.4	7.9	613	2.41	27.1	2.8	118.3	6.5	80.6	2.46	5.67	7.14	41	0.78	0.095
STD DS9	Standard	13.36	108.3	122.2	320.7	1887	40.9	7.7	597	2.42	26.7	2.5	122.2	6.0	77.2	2.33	5.26	6.81	40	0.75	0.089
STD DS9	Standard	13.51	111.1	123.0	320.1	1945	41.3	7.6	594	2.41	26.1	2.8	150.7	6.3	72.9	2.45	5.28	6.81	41	0.73	0.093
STD DS9	Standard	13.16	107.6	127.2	335.1	1930	40.1	7.5	614	2.40	27.6	3.0	117.2	7.0	82.8	2.65	5.76	7.55	42	0.76	0.095
STD CDN-ME-14 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
BLK	Blank	<0.01	<0.01	<0.01	<0.1	2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	0.03	<0.1	3	0.2	<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	5	<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	0.02	<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	<0.01	0.05	<0.01	<0.1	<2	0.3	<0.1	2	<0.01	0.6	<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	0.03	<0.01	<0.1	4	<0.1	<0.1	<1	<0.01	0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001

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

Project: IOLA
Report Date: July 09, 2012

QUALITY CONTROL REPORT WHI12000127.1

		1F15 La ppm 0.5	1F15 Cr ppm 0.5	1F15 Mg % 0.01	1F15 Ba ppm 0.5	1F15 Ti % 0.001	1F15 B ppm 1	1F15 Al % 0.01	1F15 Na % 0.001	1F15 K % 0.01	1F15 W ppm 0.1	1F15 Sc ppm 0.1	1F15 Tl ppm 0.02	1F15 S % 0.02	1F15 Hg ppb 5	1F15 Se ppm 0.1	1F15 Te ppm 0.02	1F15 Ga ppm 0.1	7TD As % 0.02
1301008	Soil	7.5	9.3	0.05	432.0	0.001	1	0.39	0.008	0.06	0.3	0.4	0.41	0.09	137	8.9	0.08	1.2	
REP 1301008	QC	7.2	8.8	0.05	412.6	0.001	2	0.40	0.008	0.06	0.3	0.4	0.42	0.09	137	8.7	0.07	1.2	
1300607	Soil	14.5	116.4	0.72	319.6	0.019	1	0.87	0.004	0.05	0.3	2.1	0.20	<0.02	8	1.9	0.03	2.9	
REP 1300607	QC	15.7	121.0	0.73	354.6	0.020	2	0.89	0.004	0.05	0.3	2.1	0.21	<0.02	12	1.7	0.04	2.8	
1300630	Soil	12.9	34.6	0.29	233.6	0.031	2	0.75	0.003	0.07	0.2	2.2	0.13	0.04	19	1.1	<0.02	2.6	
REP 1300630	QC	13.6	36.7	0.31	236.4	0.031	1	0.78	0.003	0.07	0.2	2.3	0.13	0.04	24	1.4	0.07	2.7	
1300643	Soil	18.2	17.1	0.30	393.9	0.017	<1	1.05	0.004	0.06	0.1	1.7	0.15	0.06	33	0.8	<0.02	2.6	
REP 1300643	QC	17.9	17.0	0.31	399.6	0.018	<1	1.04	0.005	0.06	0.1	1.7	0.15	0.06	25	1.2	0.14	2.4	
Reference Materials																			
STD CDN-ME-9	Standard																		<0.02
STD CDN-ME-14	Standard																		<0.02
STD DS9	Standard	14.2	117.4	0.62	293.0	0.120	3	0.98	0.093	0.41	3.2	2.5	5.75	0.17	216	5.9	5.61	5.0	
STD DS9	Standard	14.0	120.0	0.64	311.1	0.116	3	1.00	0.088	0.41	3.1	2.9	5.63	0.16	234	5.4	5.22	4.6	
STD DS9	Standard	13.0	116.5	0.64	297.2	0.115	3	0.99	0.089	0.42	3.1	2.6	5.75	0.17	213	5.7	5.61	5.0	
STD DS9	Standard	14.4	118.9	0.63	293.9	0.117	2	1.00	0.092	0.40	3.2	2.7	5.70	0.16	211	5.5	5.39	5.0	
STD DS9	Standard	14.8	123.5	0.63	314.8	0.117	3	1.01	0.089	0.41	3.2	2.6	5.99	0.17	229	5.8	5.56	5.2	
STD DS9	Standard	14.6	122.8	0.65	332.2	0.121	2	1.03	0.093	0.42	3.2	3.0	5.85	0.17	220	5.4	5.48	4.8	
STD DS9	Standard	13.6	123.4	0.64	325.5	0.114	2	1.00	0.084	0.41	3.2	2.8	5.73	0.16	226	5.7	5.44	4.9	
STD DS9	Standard	13.9	117.5	0.64	322.9	0.118	3	1.00	0.086	0.40	3.2	2.9	5.84	0.17	240	5.8	5.09	4.9	
STD DS9	Standard	13.9	117.7	0.64	325.8	0.114	3	0.98	0.085	0.41	3.2	3.1	5.70	0.18	216	5.5	5.41	4.9	
STD CDN-ME-14 Expected																			0.01
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	
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	0.6	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	
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	0.7	<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	

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Vancouver BC V6C 3L6 Canada

Project: IOLA
Report Date: July 09, 2012

QUALITY CONTROL REPORT WHI12000127.1

		1F15 Mo ppm 0.01	1F15 Cu ppm 0.01	1F15 Pb ppm 0.01	1F15 Zn ppm 0.1	1F15 Ag ppb 2	1F15 Ni ppm 0.1	1F15 Co ppm 0.1	1F15 Mn ppm 1	1F15 Fe % 0.01	1F15 As ppm 0.1	1F15 U ppm 0.1	1F15 Au ppb 0.2	1F15 Th ppm 0.1	1F15 Sr ppm 0.5	1F15 Cd ppm 0.01	1F15 Sb ppm 0.02	1F15 Bi ppm 0.02	1F15 V ppm 2	1F15 Ca % 0.01	1F15 P % 0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	5	<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	<0.01	<0.01	<0.01	<0.1	5	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001

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		1F15 La ppm 0.5	1F15 Cr ppm 0.5	1F15 Mg % 0.01	1F15 Ba ppm 0.5	1F15 Ti % 0.001	1F15 B ppm 1	1F15 Al % 0.01	1F15 Na % 0.001	1F15 K % 0.01	1F15 W ppm 0.1	1F15 Sc ppm 0.1	1F15 Tl ppm 0.02	1F15 S % 0.02	1F15 Hg ppb 5	1F15 Se ppm 0.1	1F15 Te ppm 0.02	1F15 Ga ppm 0.1	7TD As % 0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	7	<0.1	<0.02	<0.1	
BLK	Blank																		<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	

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Submitted By: Roger Hulstein
Receiving Lab: Canada-Whitehorse
Received: July 24, 2012
Report Date: August 02, 2012
Page: 1 of 2

CERTIFICATE OF ANALYSIS WHI12000127P.1

CLIENT JOB INFORMATION

Project: IOLA
Shipment ID: 2012-1
P.O. Number
Number of Samples: 6

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	6	Dry at 60C			WHI
SS80	6	Dry at 60C sieve 100g to -80 mesh			WHI
1F02	6	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

Re-analysis of 1F02 from new reprepped soil rejects.

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

CC: Samantha Dyck
Simon Ridgway
Database Backup

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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Project: IOLA
Report Date: August 02, 2012

CERTIFICATE OF ANALYSIS WHI12000127P.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
122351	Soil	28.73	87.25	22.76	33.4	13215	8.3	0.6	25	1.52	47.2	42.3	3.8	4.9	91.5	0.81	25.26	0.09	390	0.31	1.086
122352	Soil	114.9	64.60	32.71	9.9	10954	5.0	0.2	9	3.06	158.2	22.6	5.6	8.9	76.5	<0.01	80.34	0.23	1030	0.02	0.497
122353	Soil	70.98	39.86	54.21	19.3	4268	11.2	0.7	30	3.26	99.4	17.8	8.3	6.6	42.8	0.30	79.84	0.32	113	0.03	0.766
122354	Soil	33.84	103.2	42.50	738.6	4034	95.9	5.4	111	3.11	55.2	7.1	8.2	0.7	548.2	3.57	26.81	0.25	166	0.70	0.612
122355	Soil	45.35	106.7	39.23	481.3	3386	90.8	10.0	185	5.03	80.0	2.8	4.3	3.9	163.7	2.06	31.68	0.20	32	0.05	0.150
122356	Soil	16.39	40.96	25.57	51.7	1680	11.9	1.3	42	1.56	26.0	3.0	5.4	4.4	48.6	0.20	9.47	0.16	82	0.02	0.091

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Method		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
122351	Soil	56.7	113.6	0.04	515.6	0.020	2	1.03	<0.001	0.10	0.9	4.3	0.86	0.05	2348	27.8	0.31	2.7
122352	Soil	37.2	104.1	0.03	897.7	0.007	2	0.57	<0.001	0.19	1.4	7.7	1.12	0.26	2537	73.6	0.61	14.0
122353	Soil	19.3	59.1	0.04	612.5	0.009	1	0.55	<0.001	0.18	1.5	2.5	1.07	0.34	334	42.1	0.30	2.3
122354	Soil	16.3	43.4	0.05	1359	0.009	5	0.91	<0.001	0.10	0.9	1.3	1.23	0.06	187	20.0	0.32	2.0
122355	Soil	22.9	40.4	0.21	394.1	0.021	<1	0.96	<0.001	0.05	0.4	3.4	0.44	0.07	55	27.1	0.13	1.9
122356	Soil	28.5	16.9	0.05	561.5	0.005	<1	0.47	<0.001	0.07	0.4	1.2	0.42	0.06	102	8.4	0.16	1.5

Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Rackla Metals Inc.**
650-200 Burrard St.
Vancouver BC V6C 3L6 Canada

Project: IOLA
Report Date: August 02, 2012

QUALITY CONTROL REPORT WHI12000127P.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
Reference Materials																					
STD DS9	Standard	13.68	109.9	125.0	304.1	1891	42.4	7.6	590	2.31	25.7	3.1	116.4	6.9	80.5	2.47	6.47	7.00	40	0.73	0.086
STD DS9 Expected		12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank	<0.01	<0.01	<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

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

Project: IOLA
Report Date: August 02, 2012

QUALITY CONTROL REPORT WHI12000127P.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Reference Materials																		
STD DS9	Standard	15.5	121.9	0.62	319.6	0.134	2	0.96	0.085	0.40	3.0	2.7	5.52	0.16	233	5.6	5.21	4.7
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
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	0.03	<0.1

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

Submitted By: Roger Hulstein
Receiving Lab: Canada-Whitehorse
Received: June 19, 2012
Report Date: July 05, 2012
Page: 1 of 2

CERTIFICATE OF ANALYSIS WHI12000128.1

CLIENT JOB INFORMATION

Project: IOLA
Shipment ID: 2012-2
P.O. Number
Number of Samples: 4

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
S150	4	Sieve to 150 mesh			WHI
1F03	4	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
3B01+3B04	4	lead collection fire assay - ICP-ES finish	50	Completed	VAN
RJSV	4	Saving all or part of Soil Reject			WHI

ADDITIONAL COMMENTS

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

CC: Samantha Dyck
Simon Ridgway
Database Backup

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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

Project: IOLA
Report Date: July 05, 2012

CERTIFICATE OF ANALYSIS WHI12000128.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
122325	Silt	135.3	331.9	41.45	1991	3688	502.7	124.1	>10000	6.46	186.5	12.9	3.3	1.1	37.4	121.1	18.98	0.20	34	0.43	0.465
122326	Silt	65.45	303.6	53.39	2677	2727	507.7	89.8	>10000	4.61	122.7	11.4	3.4	1.2	45.4	96.96	10.31	0.26	29	0.52	0.413
122327	Silt	2.48	33.35	75.98	176.7	1113	59.5	10.4	404	1.80	42.4	1.5	129.4	0.9	31.8	2.86	1.68	0.61	33	0.23	0.101
613875	Silt	0.54	13.77	8.14	27.9	77	29.7	6.2	220	1.61	4.5	1.2	0.3	3.3	19.4	0.10	0.16	0.05	38	0.37	0.066

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

Project: IOLA
Report Date: July 05, 2012

CERTIFICATE OF ANALYSIS WHI12000128.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	3B-50
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Au
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppb
	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	2
122325	Silt	8.2	22.8	0.21	1345	0.011	1	1.40	0.002	0.05	0.3	1.5	2.00	0.07	135	5.1	0.06	1.8	9
122326	Silt	9.5	29.4	0.22	1342	0.014	1	1.54	0.002	0.05	0.8	1.7	1.16	0.06	137	4.8	0.06	1.9	6
122327	Silt	17.5	51.3	0.46	338.5	0.023	2	0.79	0.003	0.08	0.2	1.5	0.18	0.04	41	1.8	0.02	2.5	3
613875	Silt	11.0	38.8	0.50	78.5	0.058	1	0.58	0.013	0.05	<0.1	1.9	0.05	<0.02	12	0.5	<0.02	2.3	744

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

Project: IOLA
Report Date: July 05, 2012

QUALITY CONTROL REPORT WHI12000128.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
Pulp Duplicates																					
122326	Silt	65.45	303.6	53.39	2677	2727	507.7	89.8	>10000	4.61	122.7	11.4	3.4	1.2	45.4	96.96	10.31	0.26	29	0.52	0.413
REP 122326	QC																				
Reference Materials																					
STD DS9	Standard	12.65	106.5	119.3	299.8	1758	39.5	7.8	556	2.16	24.1	2.7	105.6	6.4	66.5	2.25	4.61	5.78	36	0.67	0.085
STD OXC88	Standard																				
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
STD OXC88 Expected																					
BLK	Blank	<0.01	<0.01	<0.01	<0.1	7	0.1	<0.1	2	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank																				

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Project: IOLA
Report Date: July 05, 2012

QUALITY CONTROL REPORT WHI12000128.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	3B-50
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Au
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppb
	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	2
Pulp Duplicates																			
122326	Silt	9.5	29.4	0.22	1342	0.014	1	1.54	0.002	0.05	0.8	1.7	1.16	0.06	137	4.8	0.06	1.9	6
REP 122326	QC																		<2
Reference Materials																			
STD DS9	Standard	13.1	113.6	0.57	274.6	0.114	3	0.88	0.074	0.36	2.7	2.3	5.22	0.15	178	5.1	4.57	4.2	
STD OXC88	Standard																		200
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	
STD OXC88 Expected																			203
BLK	Blank	<0.5	0.8	<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																		<2

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

Submitted By: Roger Hulstein
Receiving Lab: Canada-Whitehorse
Received: June 19, 2012
Report Date: July 09, 2012
Page: 1 of 2

CERTIFICATE OF ANALYSIS WHI12000129.1

CLIENT JOB INFORMATION

Project:	IOLA
Shipment ID:	2012-3
P.O. Number	NA-12359
Number of Samples:	19

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	19	Crush, split and pulverize 250 g rock to 200 mesh			WHI
1F02	19	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN

SAMPLE DISPOSAL

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

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

ADDITIONAL COMMENTS

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

CC: Samantha Dyck
Simon Ridgway
Database Backup

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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

Project: IOLA
Report Date: July 09, 2012

CERTIFICATE OF ANALYSIS WHI12000129.1

Method		WGHT	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
122301	Rock	1.20	9.82	5.73	4.12	3.5	1247	1.6	0.3	42	0.74	9.5	3.7	0.9	1.3	41.4	0.06	4.73	0.03	236	0.02
122302	Rock	1.39	0.53	36.16	6.03	53.3	1625	18.0	27.4	236	10.66	696.3	<0.1	11.0	<0.1	104.0	0.20	12.30	0.03	34	0.04
122303	Rock	3.55	0.55	12.35	13.43	31.5	555	47.3	16.7	143	3.27	241.6	<0.1	13.0	0.1	19.5	0.18	5.52	0.06	9	<0.01
122304	Rock	1.97	0.03	0.66	0.49	1.0	30	2.9	1.0	812	0.23	6.4	<0.1	0.8	<0.1	339.6	0.02	0.33	<0.02	2	24.93
122305	Rock	1.75	0.27	4.75	0.35	50.7	12	29.2	37.9	1088	6.44	52.8	<0.1	0.8	<0.1	87.4	0.01	0.46	<0.02	222	2.96
122306	Rock	1.65	<0.01	0.54	<0.01	9.8	8	559.8	51.0	931	2.08	1.7	<0.1	1.4	<0.1	1.9	0.17	0.34	<0.02	9	0.51
122307	Rock	0.41	1.73	14.52	18.53	811.7	306	13.1	2.7	121	30.41	25.3	0.4	3.3	2.1	6.0	0.17	1.57	0.15	20	0.03
122308	Rock	0.40	0.06	119.1	0.11	2523	149	23.5	15.2	411	>40	0.8	0.3	0.4	<0.1	0.6	0.61	0.08	<0.02	<2	0.03
1300701	Rock	1.74	8.75	67.17	2.65	41.7	2506	2.3	0.3	34	0.67	9.6	17.0	<0.2	1.2	34.2	0.31	10.76	<0.02	250	0.06
1300702	Rock	1.15	10.06	70.44	3.34	39.9	2663	3.8	0.5	32	0.77	14.0	16.9	<0.2	1.3	17.8	0.42	14.10	0.02	276	0.05
1300703	Rock	1.60	64.86	35.09	11.45	31.8	1413	0.9	0.2	31	2.32	71.6	18.9	1.0	8.2	8.3	0.36	52.43	0.11	113	0.01
1300704	Rock	0.79	15.00	12.47	4.10	20.6	821	2.2	0.2	26	0.75	24.1	11.9	<0.2	2.3	82.7	0.54	30.18	0.04	186	0.11
1300705	Rock	1.58	8.06	108.3	11.17	313.2	111	94.8	14.2	514	10.12	36.7	1.4	2.2	2.2	3.0	1.01	1.07	0.15	14	<0.01
1300706	Rock	0.82	0.20	1.01	0.86	13.4	12	7.6	6.9	226	1.36	0.8	<0.1	1.9	<0.1	231.7	0.04	0.25	0.02	13	2.87
1300707	Rock	1.67	0.19	18.49	2.20	50.2	18	46.5	28.3	667	4.35	1.4	<0.1	1.0	0.4	104.5	0.08	0.35	<0.02	118	3.78
1300708	Rock	1.36	75.45	106.0	8.08	374.2	2137	42.7	1.6	35	6.24	327.3	27.1	<0.2	4.1	2376	1.91	37.73	0.15	483	0.07
1300709	Rock	1.08	78.17	105.5	8.76	415.3	5343	38.0	1.5	39	7.12	283.0	44.3	<0.2	5.2	4739	2.83	62.57	0.26	643	0.19
1300710	Rock	0.99	0.45	516.0	0.34	25.5	41	44.3	13.1	350	2.19	3.6	0.3	<0.2	3.8	12.7	0.13	0.27	<0.02	18	0.19
1300711	Rock	2.69	0.52	1.46	0.58	9.2	17	5.0	4.0	1062	2.65	143.1	0.1	11.5	<0.1	91.7	0.02	0.58	<0.02	18	6.73

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

Project: IOLA
Report Date: July 09, 2012

CERTIFICATE OF ANALYSIS WHI12000129.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
122301	Rock	0.093	2.6	31.6	<0.01	741.4	0.036	6	0.27	<0.001	0.01	0.2	0.4	0.52	0.04	97	2.1	0.12	0.5
122302	Rock	0.087	2.3	3.2	0.03	234.7	0.006	7	0.48	0.125	0.47	2.4	19.2	0.29	0.81	10	3.0	0.05	1.4
122303	Rock	0.029	2.1	30.1	0.02	958.4	0.001	3	0.27	0.006	0.19	7.0	8.8	0.12	0.10	16	2.1	0.07	0.3
122304	Rock	0.051	<0.5	3.2	0.13	27.4	<0.001	2	0.01	0.002	<0.01	10.8	1.8	<0.02	<0.02	<5	0.2	<0.02	<0.1
122305	Rock	0.056	1.4	40.0	2.21	14.5	0.013	2	2.59	0.145	0.01	<0.1	21.8	<0.02	0.10	6	<0.1	<0.02	11.6
122306	Rock	0.002	<0.5	557.0	14.03	30.9	0.001	4	0.17	0.002	<0.01	0.4	7.5	<0.02	<0.02	<5	<0.1	<0.02	0.3
122307	Rock	0.054	5.0	16.8	0.03	279.6	0.011	4	0.49	0.003	0.17	0.2	1.6	0.12	0.22	23	0.9	0.04	1.6
122308	Rock	0.017	<0.5	7.6	0.08	13.8	<0.001	1	0.63	<0.001	<0.01	<0.1	0.5	0.18	0.57	8	1.4	<0.02	<0.1
1300701	Rock	0.944	13.6	49.9	0.01	176.8	0.004	2	0.90	<0.001	0.07	0.2	1.1	0.21	<0.02	440	9.5	0.09	0.8
1300702	Rock	0.708	13.4	46.9	0.02	183.4	0.005	1	0.75	<0.001	0.06	0.3	1.4	0.15	<0.02	643	6.5	0.07	0.9
1300703	Rock	1.964	8.2	68.4	0.01	246.7	0.003	3	1.14	<0.001	0.06	0.8	4.7	0.29	0.03	70	38.2	0.14	1.7
1300704	Rock	0.214	10.3	26.0	0.01	297.3	0.003	4	0.25	<0.001	0.09	0.4	0.6	0.49	0.03	269	6.1	<0.02	0.8
1300705	Rock	0.167	9.0	12.4	0.06	429.2	0.004	3	0.45	<0.001	0.14	0.2	1.7	0.31	<0.02	30	0.9	0.07	1.9
1300706	Rock	0.005	<0.5	18.0	0.54	9.0	<0.001	2	0.69	0.025	<0.01	<0.1	0.3	<0.02	<0.02	11	<0.1	<0.02	2.1
1300707	Rock	0.085	3.3	21.3	2.20	97.4	0.426	5	3.48	0.037	0.10	0.4	3.0	0.02	<0.02	<5	<0.1	<0.02	9.8
1300708	Rock	0.545	14.9	75.6	0.05	761.2	0.006	7	0.84	<0.001	0.27	1.8	1.9	2.36	0.27	123	19.4	0.17	2.6
1300709	Rock	0.894	17.3	118.7	0.08	426.9	0.012	8	1.39	<0.001	0.33	1.9	3.2	3.28	0.33	199	25.8	0.29	4.3
1300710	Rock	0.027	9.0	20.9	0.95	158.8	0.111	3	1.33	0.007	0.16	0.1	2.7	0.05	<0.02	<5	<0.1	<0.02	4.8
1300711	Rock	0.005	0.8	13.6	0.61	32.9	<0.001	3	0.02	0.008	<0.01	<0.1	5.8	0.03	0.28	11	0.1	<0.02	0.1

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

Project: IOLA
Report Date: July 09, 2012

QUALITY CONTROL REPORT WHI12000129.1

	Method	WGHT	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
	Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
	MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
Pulp Duplicates																					
1300709	Rock	1.08	78.17	105.5	8.76	415.3	5343	38.0	1.5	39	7.12	283.0	44.3	<0.2	5.2	4739	2.83	62.57	0.26	643	0.19
REP 1300709	QC		78.02	105.3	8.83	426.5	5356	38.7	1.5	39	7.10	279.2	46.4	<0.2	5.2	4730	2.83	63.12	0.27	639	0.18
1300711	Rock	2.69	0.52	1.46	0.58	9.2	17	5.0	4.0	1062	2.65	143.1	0.1	11.5	<0.1	91.7	0.02	0.58	<0.02	18	6.73
REP 1300711	QC		0.54	1.92	0.61	9.0	20	4.9	4.4	1075	2.68	145.1	0.1	12.3	<0.1	94.9	0.02	0.58	<0.02	18	6.82
Reference Materials																					
STD DS9	Standard		13.23	111.9	131.1	314.4	2039	44.1	8.2	592	2.42	25.3	2.7	138.0	6.4	63.2	2.21	5.72	6.35	40	0.71
STD DS9	Standard		14.57	108.4	131.1	307.6	1992	44.3	8.4	603	2.41	25.3	2.8	124.3	6.8	76.4	2.27	4.70	6.58	41	0.75
STD DS9 Expected			12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201
BLK	Blank		<0.01	<0.01	<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
BLK	Blank		0.05	<0.01	<0.01	0.2	3	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	<0.1	4.5	<0.01	0.03	<0.02	<2	<0.01
Prep Wash																					
G1-WHI	Prep Blank		0.10	2.63	3.60	48.4	13	3.2	4.7	597	1.96	<0.1	2.2	1.3	6.5	69.3	0.02	0.03	0.09	39	0.53
G1-WHI	Prep Blank		0.18	2.93	5.17	53.4	23	3.2	4.4	606	2.10	0.8	1.8	0.6	6.3	56.6	0.02	0.08	0.06	41	0.47

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Project: IOLA
Report Date: July 09, 2012

QUALITY CONTROL REPORT WHI12000129.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																			
1300709	Rock	0.894	17.3	118.7	0.08	426.9	0.012	8	1.39	<0.001	0.33	1.9	3.2	3.28	0.33	199	25.8	0.29	4.3
REP 1300709	QC	0.900	17.0	118.6	0.08	533.0	0.011	8	1.38	<0.001	0.32	1.9	3.1	3.36	0.33	200	26.2	0.23	4.5
1300711	Rock	0.005	0.8	13.6	0.61	32.9	<0.001	3	0.02	0.008	<0.01	<0.1	5.8	0.03	0.28	11	0.1	<0.02	0.1
REP 1300711	QC	0.005	0.8	13.3	0.62	35.0	<0.001	3	0.03	0.009	<0.01	<0.1	5.6	0.02	0.28	10	0.2	<0.02	0.1
Reference Materials																			
STD DS9	Standard	0.082	11.4	121.4	0.64	291.9	0.105	3	0.94	0.083	0.42	3.5	2.4	6.30	0.17	258	5.8	5.47	4.8
STD DS9	Standard	0.091	14.8	125.0	0.65	311.5	0.120	3	0.99	0.084	0.41	3.1	2.8	5.80	0.16	236	5.5	5.04	4.9
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
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	<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
Prep Wash																			
G1-WHI	Prep Blank	0.086	13.0	9.9	0.55	187.5	0.137	2	1.02	0.118	0.56	<0.1	2.9	0.36	<0.02	<5	<0.1	<0.02	5.2
G1-WHI	Prep Blank	0.079	12.2	12.9	0.59	197.1	0.132	1	0.95	0.090	0.56	<0.1	2.6	0.39	<0.02	12	<0.1	<0.02	5.0

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Submitted By: Roger Hulstein
Receiving Lab: Canada-Whitehorse
Received: June 21, 2012
Report Date: August 06, 2012
Page: 1 of 5

CERTIFICATE OF ANALYSIS WHI12000132.1

CLIENT JOB INFORMATION

Project: IOLA
Shipment ID: 2012-1
P.O. Number
Number of Samples: 118

SAMPLE DISPOSAL

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

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

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	118	Dry at 60C			WHI
SS80	118	Dry at 60C sieve 100g to -80 mesh			WHI
1F02	118	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN
RJSV	118	Saving all or part of Soil Reject			WHI

ADDITIONAL COMMENTS

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

CC: Samantha Dyck
Simon Ridgway
Database Backup

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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Project: IOLA
Report Date: August 06, 2012

CERTIFICATE OF ANALYSIS WHI12000132.1

		Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1300661	Soil		3.36	43.75	336.1	38.0	4658	4.7	0.7	19	2.51	349.2	1.9	13.0	3.7	192.4	1.76	5.85	1.27	12	0.04	0.117
1300662	Soil		1.49	93.72	21.90	161.3	959	55.3	14.0	1102	2.68	34.8	0.8	9.4	3.0	11.2	0.52	2.35	0.28	19	0.09	0.060
1300663	Soil		4.25	37.10	9.81	164.3	162	298.7	30.5	415	3.25	38.0	1.0	3.4	3.6	27.2	2.17	2.78	0.11	59	0.25	0.057
1300664	Soil		4.12	31.37	18.48	159.0	789	97.5	13.5	179	2.45	25.9	1.2	38.2	7.1	28.3	2.05	2.50	0.22	34	0.24	0.154
1300665	Soil		2.89	44.63	8.14	86.3	147	749.0	59.2	584	3.54	31.0	1.0	4.5	2.8	12.5	0.59	3.18	0.08	73	0.13	0.025
1300666	Soil		3.71	23.91	8.60	139.2	58	344.8	45.0	390	3.88	92.0	0.5	1.5	3.1	17.0	0.61	11.18	0.10	65	0.21	0.020
1300667	Soil		1.62	22.03	5.41	88.2	45	670.4	71.0	979	5.14	40.6	0.4	2.9	2.0	11.4	0.45	7.70	0.10	83	0.15	0.065
1300668	Soil		1.27	18.81	5.90	68.9	28	224.6	34.3	434	3.45	13.6	0.4	1.0	2.3	11.6	0.55	1.49	0.11	68	0.13	0.034
1300669	Soil		1.29	63.03	5.30	48.3	36	450.3	43.3	421	4.25	19.4	0.3	5.5	1.9	19.7	0.15	1.85	0.08	91	0.20	0.044
1300670	Soil		0.56	46.18	4.46	62.0	33	249.4	41.3	757	4.58	16.4	0.3	0.2	1.5	22.3	0.16	1.34	0.07	90	0.63	0.018
1300671	Soil		0.79	17.04	5.57	50.6	28	392.8	54.0	821	4.29	9.1	0.3	2.5	1.2	12.5	0.19	1.20	0.10	58	0.25	0.044
1300672	Soil		0.63	21.09	5.15	35.1	33	506.5	61.9	1458	4.82	11.6	0.4	33.3	2.1	10.4	0.23	3.10	0.09	40	0.19	0.031
1300673	Soil		0.60	18.74	3.32	38.8	19	377.0	44.9	568	4.18	17.7	0.2	2.1	1.1	9.6	0.12	1.54	0.05	80	0.26	0.012
1300674	Soil		0.74	17.14	5.32	41.7	28	401.5	47.9	596	4.26	25.4	0.4	1.9	1.9	10.7	0.18	2.23	0.11	60	0.12	0.031
1300675	Soil		0.04	12.73	0.24	6.7	22	2025	139.0	563	3.45	28.6	0.1	2.9	<0.1	0.6	0.03	4.04	<0.02	23	0.02	0.004
1300676	Soil		1.02	27.97	4.56	47.8	37	707.0	83.0	1169	4.49	36.2	0.3	2.9	1.4	8.7	0.25	2.93	0.05	68	0.12	0.039
1300677	Soil		0.54	25.92	4.46	47.5	58	502.9	52.4	894	4.01	21.7	0.4	5.0	1.2	7.7	0.43	2.36	0.07	43	0.15	0.041
1300678	Soil		0.34	46.01	2.59	36.0	59	889.0	67.9	945	4.25	32.1	0.2	4.9	0.8	5.3	0.13	2.51	<0.02	45	0.11	0.016
1300679	Soil		0.70	20.88	5.70	42.7	44	325.5	43.1	1088	5.98	67.7	0.3	0.7	1.2	13.2	0.36	6.06	0.09	52	0.27	0.044
1300680	Soil		1.29	66.37	9.85	69.2	86	48.0	9.9	923	2.37	41.0	0.3	0.8	0.9	7.7	0.21	2.42	0.17	28	0.10	0.041
1300681	Soil		2.94	28.69	20.78	192.1	283	68.0	12.3	229	2.85	14.0	1.1	0.9	7.1	26.7	1.20	2.18	0.24	44	0.16	0.085
1300682	Soil		3.04	26.40	21.33	257.6	581	51.2	11.9	207	2.88	11.1	1.1	1.5	5.8	24.9	2.34	1.90	0.32	48	0.16	0.130
1300683	Soil		3.33	23.83	20.83	120.1	388	46.7	8.6	171	2.58	16.1	0.9	0.8	4.9	21.7	0.96	2.07	0.25	52	0.13	0.100
1300684	Soil		3.14	22.83	25.21	100.9	270	33.9	5.9	97	1.93	14.1	0.9	0.4	5.4	22.5	1.01	1.97	0.23	33	0.10	0.052
1300685	Soil		6.16	9.59	5.00	27.9	427	6.3	1.7	32	0.79	5.7	0.4	<0.2	0.4	7.0	0.13	2.34	0.14	25	0.04	0.018
1300686	Soil		34.76	53.42	22.64	57.2	1664	35.3	4.8	57	2.59	106.0	3.6	1.8	6.5	43.6	0.29	7.30	0.30	60	0.03	0.071
1300687	Soil		24.10	43.74	22.57	244.2	331	54.7	11.2	64	3.62	22.6	1.1	0.7	3.0	45.2	0.40	7.48	0.28	59	0.02	0.075
1300688	Soil		71.02	32.50	29.21	18.6	467	4.2	0.8	12	2.00	62.8	1.9	3.4	4.6	547.9	0.18	12.45	0.43	99	0.09	0.194
1300689	Soil		38.05	28.11	20.04	150.3	1088	46.9	5.8	60	2.14	70.7	2.8	2.2	2.9	14.5	0.18	9.52	0.25	28	<0.01	0.071
1300690	Soil		3.16	35.25	28.31	111.7	496	40.0	9.3	165	2.94	21.4	1.1	1.8	4.9	20.7	0.46	2.42	0.26	41	0.08	0.044

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Project: IOLA
Report Date: August 06, 2012

CERTIFICATE OF ANALYSIS WHI12000132.1

		Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1300661	Soil		13.5	9.6	0.03	300.6	0.001	<1	0.43	0.003	0.20	0.5	2.9	0.29	0.58	62	2.3	0.11	1.2
1300662	Soil		20.8	18.5	0.38	220.1	0.003	2	0.88	<0.001	0.08	0.1	1.4	0.12	0.03	49	0.8	0.10	2.8
1300663	Soil		11.4	204.0	2.35	120.5	0.061	3	1.23	0.005	0.07	<0.1	4.4	0.12	<0.02	21	1.6	0.04	3.0
1300664	Soil		16.5	64.3	0.71	89.1	0.037	2	0.73	0.003	0.08	0.2	2.4	0.13	<0.02	19	1.7	0.04	2.5
1300665	Soil		9.3	525.5	5.86	137.3	0.016	12	1.21	0.004	0.05	<0.1	7.8	0.10	<0.02	44	0.9	0.03	2.5
1300666	Soil		11.1	263.8	3.60	293.2	0.039	3	1.43	0.005	0.05	0.2	3.7	0.11	<0.02	5	1.0	0.03	3.1
1300667	Soil		6.9	576.2	3.35	139.0	0.037	4	1.41	0.005	0.04	0.2	5.2	0.06	<0.02	7	0.2	0.04	3.8
1300668	Soil		8.3	318.4	2.07	150.6	0.067	4	1.26	0.007	0.03	0.2	3.8	0.07	<0.02	5	0.2	0.02	4.3
1300669	Soil		6.0	473.8	3.80	85.5	0.083	8	1.95	0.004	0.04	0.2	5.1	0.07	<0.02	11	0.2	0.03	4.7
1300670	Soil		5.0	310.2	2.04	89.4	0.427	3	2.39	0.009	0.07	0.2	9.2	0.20	<0.02	19	0.3	<0.02	5.2
1300671	Soil		5.9	422.4	4.37	120.0	0.042	6	1.32	0.006	0.03	0.1	5.2	0.03	0.03	13	0.2	0.04	3.7
1300672	Soil		8.3	628.1	3.48	94.1	0.035	7	1.09	0.007	0.03	0.2	15.8	0.04	0.02	19	<0.1	0.03	2.5
1300673	Soil		4.2	597.6	3.06	105.9	0.098	5	1.58	0.004	0.02	<0.1	4.6	0.04	<0.02	13	<0.1	<0.02	4.5
1300674	Soil		7.0	472.8	2.81	114.7	0.045	10	1.45	0.008	0.04	0.3	4.3	0.07	<0.02	16	<0.1	0.03	3.8
1300675	Soil		<0.5	1112	21.45	10.4	0.003	106	0.45	<0.001	<0.01	<0.1	7.9	<0.02	<0.02	24	<0.1	<0.02	0.8
1300676	Soil		5.7	780.2	5.61	126.3	0.019	18	1.19	0.003	0.03	0.1	10.3	0.05	<0.02	17	0.2	<0.02	2.7
1300677	Soil		6.7	556.9	3.35	147.7	0.023	7	1.10	0.003	0.03	0.2	8.0	0.04	0.02	17	<0.1	<0.02	2.7
1300678	Soil		3.6	688.6	6.43	82.8	0.020	16	1.19	<0.001	0.02	<0.1	11.1	0.03	<0.02	28	<0.1	0.02	2.5
1300679	Soil		5.6	351.9	3.63	206.6	0.035	3	1.32	0.002	0.03	0.3	7.8	0.05	<0.02	16	<0.1	<0.02	3.8
1300680	Soil		13.3	30.7	0.23	139.4	0.015	2	0.77	0.002	0.04	0.1	1.5	0.06	0.03	27	<0.1	0.08	3.0
1300681	Soil		26.0	55.8	0.73	322.9	0.025	1	1.37	0.003	0.07	0.2	2.3	0.13	<0.02	16	0.5	0.05	4.0
1300682	Soil		19.5	49.5	0.58	189.3	0.039	2	1.30	0.006	0.08	0.3	2.3	0.12	<0.02	17	0.4	0.04	5.3
1300683	Soil		16.9	61.1	0.53	154.9	0.040	<1	1.30	0.005	0.07	0.3	2.4	0.12	0.02	15	0.5	0.04	4.9
1300684	Soil		22.3	37.3	0.22	337.5	0.018	2	0.65	0.005	0.08	0.1	1.1	0.11	<0.02	13	0.6	0.03	3.1
1300685	Soil		6.5	5.1	0.05	103.8	0.023	<1	0.55	0.024	0.03	<0.1	0.6	0.07	<0.02	8	0.4	0.03	2.1
1300686	Soil		18.0	29.8	0.22	561.4	0.006	<1	1.11	<0.001	0.06	0.2	1.8	0.72	0.06	52	1.9	0.13	2.0
1300687	Soil		21.9	16.1	0.03	182.7	0.020	2	0.47	0.003	0.03	0.4	0.7	0.23	0.02	17	1.6	0.11	3.2
1300688	Soil		25.5	12.4	0.03	2065	0.018	3	0.48	0.003	0.08	1.2	0.8	1.98	0.15	126	4.6	0.38	3.3
1300689	Soil		26.0	6.8	0.02	152.1	0.004	1	0.45	0.001	0.05	0.1	1.0	0.26	0.02	62	1.5	0.09	1.4
1300690	Soil		20.7	37.6	0.38	132.6	0.029	<1	1.35	0.002	0.06	0.2	1.8	0.13	0.03	49	0.8	0.05	3.8

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Project: IOLA
Report Date: August 06, 2012

CERTIFICATE OF ANALYSIS WHI12000132.1

		Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1300691	Soil		3.30	34.03	33.29	175.3	494	46.7	8.6	127	2.98	17.2	1.3	3.1	3.4	20.7	0.48	2.37	0.35	36	0.07	0.055
1300692	Soil		2.64	31.40	53.39	97.6	531	19.3	4.3	99	3.15	20.2	1.2	2.5	4.2	25.2	0.42	2.35	0.28	43	0.07	0.068
1300694	Soil		2.59	42.14	32.70	106.6	288	28.6	7.6	138	2.88	19.8	1.5	2.5	4.8	27.3	0.49	1.96	0.24	40	0.10	0.053
1300695	Soil		3.10	28.22	20.81	107.8	427	114.5	18.9	376	2.74	17.0	1.1	1.9	5.1	31.0	0.71	1.92	0.21	53	0.27	0.073
1300696	Soil		2.39	28.65	12.98	119.7	334	170.6	25.5	369	3.10	13.1	0.8	0.8	4.0	18.6	1.47	1.72	0.17	60	0.23	0.038
1300697	Soil		2.54	24.49	18.86	184.2	932	75.7	11.9	255	2.65	15.6	1.1	1.1	6.0	23.2	1.23	2.07	0.24	37	0.16	0.082
1300698	Soil		4.07	36.99	22.16	181.0	1986	79.9	12.4	227	3.68	25.0	1.2	21.8	5.3	19.7	1.78	1.92	0.27	58	0.12	0.067
1300699	Soil		3.37	46.37	25.56	161.1	313	35.8	7.8	82	2.77	13.9	1.1	5.4	7.6	9.0	1.37	1.87	0.26	32	0.03	0.078
1300700	Soil		2.66	21.25	19.30	197.9	1019	77.8	11.8	321	2.78	14.3	0.8	3.7	4.0	15.0	1.44	1.56	0.20	46	0.12	0.101
1300901	Soil		3.00	39.40	24.01	158.3	739	80.4	13.0	205	3.03	33.2	1.4	5.1	6.3	23.3	1.07	2.13	0.25	42	0.09	0.113
1300902	Soil		3.11	39.78	20.00	137.6	544	86.8	15.3	256	2.91	27.3	1.3	4.0	6.0	21.1	1.14	1.79	0.20	50	0.15	0.051
1300903	Soil		3.67	81.37	34.93	255.3	809	70.7	13.5	125	3.53	24.5	3.0	6.7	8.9	17.2	1.33	3.23	0.31	34	0.03	0.069
1300904	Soil		2.16	25.96	22.57	104.8	909	21.7	3.9	78	1.92	26.5	1.1	4.8	3.4	12.3	0.95	1.22	0.22	31	0.06	0.066
1300905	Soil		3.72	25.55	19.82	145.4	597	41.6	6.3	134	2.68	18.0	1.3	4.5	3.7	27.5	0.94	1.64	0.21	45	0.09	0.090
1300906	Soil		4.01	60.61	26.98	156.3	410	32.6	6.5	158	3.78	30.4	1.0	5.5	3.7	10.3	0.57	1.37	0.34	48	0.06	0.154
1300907	Soil		3.92	27.61	30.32	121.4	1028	20.3	3.2	62	2.60	86.2	0.9	4.0	3.8	23.0	0.45	2.36	0.30	36	0.03	0.083
1300908	Soil		2.54	16.00	25.88	50.6	366	12.9	2.3	123	1.37	23.4	0.9	2.3	0.9	31.8	0.21	1.22	0.21	27	0.06	0.054
1300909	Soil		2.77	29.10	103.9	85.9	1154	14.5	3.1	164	1.89	32.0	1.2	3.4	0.3	48.4	0.49	1.26	1.39	26	0.04	0.078
1300910	Soil		2.48	30.40	55.44	114.1	522	18.4	3.9	156	1.94	37.8	1.2	2.9	0.2	32.6	0.37	1.61	0.85	28	0.05	0.097
1300911	Soil		2.39	23.93	60.84	106.4	1494	17.9	3.1	108	2.09	58.4	1.0	4.0	0.6	22.2	0.32	1.66	0.89	26	0.04	0.060
1300912	Soil		1.46	16.08	31.33	49.2	445	9.1	2.2	58	1.18	20.0	0.6	2.4	<0.1	12.0	0.23	0.88	0.85	27	0.04	0.065
1300913	Soil		3.23	28.71	50.87	201.9	552	48.9	10.2	218	2.32	43.1	1.9	2.2	3.2	46.5	1.95	3.13	0.25	23	0.13	0.103
1300914	Soil		2.92	30.76	441.7	174.9	1373	34.4	7.5	146	2.26	67.6	1.6	6.2	3.1	46.5	1.44	3.81	0.88	20	0.05	0.088
1300915	Soil		2.20	21.87	24.82	196.1	939	31.0	5.7	129	2.10	58.0	1.4	1.9	3.2	94.0	1.77	2.05	0.19	23	0.07	0.081
1300916	Soil		2.97	49.00	33.01	219.0	1267	36.8	11.4	701	3.74	194.8	3.6	1.6	4.4	449.3	2.31	2.87	0.22	35	0.08	0.182
1300917	Soil		2.22	26.14	25.07	106.1	675	24.5	5.5	103	2.44	82.6	1.0	2.3	2.5	27.7	0.92	3.71	0.17	35	0.07	0.113
1300918	Soil		2.45	11.08	27.94	98.5	734	13.0	2.5	83	1.25	37.9	0.5	2.7	0.9	64.9	1.84	2.09	0.19	15	0.06	0.056
1300919	Soil		2.23	23.27	25.96	71.6	504	65.4	8.5	173	3.55	49.6	1.1	0.6	5.2	22.8	0.65	2.27	0.23	60	0.10	0.246
1300920	Soil		2.56	20.71	23.51	113.6	525	30.4	5.5	107	2.15	65.6	1.1	6.2	5.6	44.1	0.99	3.00	0.15	25	0.10	0.112
1300921	Soil		2.71	20.96	22.34	180.6	429	29.9	8.3	209	2.68	37.3	0.8	1.0	4.0	34.1	1.94	1.85	0.22	52	0.13	0.150

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Project: IOLA
Report Date: August 06, 2012

CERTIFICATE OF ANALYSIS WHI12000132.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1300691	Soil	20.0	25.4	0.35	135.9	0.012	<1	1.21	0.001	0.06	0.2	1.2	0.11	0.03	65	0.9	0.06	3.3
1300692	Soil	19.2	21.6	0.20	117.0	0.026	<1	1.02	0.003	0.05	0.2	1.3	0.11	0.03	42	0.8	<0.02	4.2
1300694	Soil	18.5	25.8	0.36	172.9	0.028	1	1.39	0.005	0.06	0.2	1.8	0.15	0.04	22	0.8	0.06	3.5
1300695	Soil	19.1	101.2	1.48	334.8	0.057	4	1.41	0.008	0.09	0.2	3.3	0.13	<0.02	19	0.4	0.04	4.7
1300696	Soil	15.8	202.9	1.90	190.9	0.060	2	1.44	0.008	0.07	0.2	3.6	0.10	<0.02	7	0.3	0.05	4.2
1300697	Soil	17.6	68.3	0.71	224.6	0.031	2	0.99	0.005	0.07	0.2	1.8	0.08	<0.02	18	0.6	0.05	3.3
1300698	Soil	14.6	70.2	0.85	268.9	0.044	2	1.80	0.005	0.08	0.3	3.0	0.15	<0.02	55	1.0	0.10	5.0
1300699	Soil	20.4	23.4	0.48	167.4	0.006	2	1.31	0.002	0.05	0.1	1.4	0.08	<0.02	23	1.5	0.07	3.1
1300700	Soil	13.1	61.0	0.74	136.7	0.036	2	1.21	0.006	0.06	0.3	2.4	0.10	<0.02	22	0.6	0.03	4.8
1300901	Soil	17.5	82.1	0.80	169.0	0.025	2	1.34	0.004	0.07	0.2	2.4	0.12	0.02	32	0.9	0.03	3.6
1300902	Soil	17.4	78.3	0.92	253.0	0.037	1	1.75	0.005	0.07	0.2	3.4	0.14	<0.02	42	0.7	0.03	4.1
1300903	Soil	19.5	27.6	0.45	237.1	0.006	1	1.55	0.002	0.09	0.1	1.9	0.12	<0.02	61	1.5	0.05	2.9
1300904	Soil	14.8	22.8	0.17	150.2	0.018	1	0.85	0.009	0.06	0.2	1.2	0.14	0.02	31	0.6	0.03	3.1
1300905	Soil	14.5	40.4	0.38	148.7	0.032	1	1.01	0.004	0.06	0.2	1.8	0.15	0.02	17	1.2	0.05	4.0
1300906	Soil	22.2	20.4	0.32	162.3	0.041	2	1.07	0.005	0.11	0.1	1.4	0.23	<0.02	25	1.7	0.10	4.4
1300907	Soil	20.6	13.8	0.06	143.0	0.027	1	0.64	0.005	0.07	0.2	1.1	0.16	0.05	16	0.8	0.07	3.3
1300908	Soil	21.6	16.2	0.09	146.1	0.020	<1	0.47	0.003	0.13	0.2	0.7	0.18	0.09	21	1.1	0.10	3.0
1300909	Soil	24.0	11.1	0.11	195.9	0.005	<1	0.58	0.004	0.13	0.2	0.3	0.27	0.14	21	1.0	0.05	2.3
1300910	Soil	21.4	12.8	0.09	128.3	0.003	<1	0.65	0.004	0.10	0.3	0.3	0.20	0.09	32	1.0	0.04	2.2
1300911	Soil	20.9	12.9	0.09	102.9	0.012	<1	0.62	0.003	0.08	0.2	0.6	0.18	0.07	34	1.0	<0.02	2.5
1300912	Soil	12.5	11.1	0.05	81.4	0.004	<1	0.59	0.008	0.07	0.1	0.2	0.15	0.06	27	0.5	0.04	3.0
1300913	Soil	19.7	34.8	0.32	172.4	0.016	1	0.53	0.004	0.12	0.6	1.2	0.17	0.06	25	1.5	0.06	1.7
1300914	Soil	19.2	18.2	0.09	127.5	0.015	<1	0.46	0.003	0.08	1.9	1.0	0.15	0.07	33	1.4	0.08	1.9
1300915	Soil	17.9	24.3	0.13	192.3	0.018	<1	0.63	0.004	0.09	0.4	1.1	0.12	0.07	10	0.9	0.02	2.5
1300916	Soil	18.0	21.9	0.13	325.4	0.016	<1	1.12	0.008	0.16	0.9	1.5	0.18	0.21	24	0.9	0.05	3.7
1300917	Soil	15.1	18.4	0.14	165.1	0.016	<1	0.96	0.006	0.09	0.3	1.4	0.12	0.05	21	0.5	0.03	3.6
1300918	Soil	20.8	12.6	0.03	245.0	0.010	<1	0.37	0.009	0.10	0.1	0.4	0.13	0.10	21	0.9	<0.02	1.8
1300919	Soil	13.4	96.7	0.70	219.1	0.052	<1	1.90	0.005	0.06	0.3	2.8	0.12	0.04	38	0.9	0.03	6.2
1300920	Soil	15.9	22.9	0.17	169.6	0.031	<1	0.51	0.005	0.09	0.2	1.4	0.09	0.05	20	0.8	<0.02	2.7
1300921	Soil	14.8	38.5	0.35	192.3	0.037	<1	1.25	0.006	0.07	0.3	2.5	0.13	0.03	26	0.6	0.03	5.4

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		Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1300922	Soil		4.03	40.61	46.88	179.5	2333	40.3	6.2	103	3.21	203.1	2.0	1.0	6.0	177.4	1.55	7.73	0.32	17	0.03	0.153
1300923	Soil		1.96	14.12	17.76	76.8	604	19.5	2.9	55	1.66	49.8	0.6	<0.2	3.4	47.0	0.81	2.18	0.17	21	0.05	0.056
1300924	Soil		3.03	16.16	15.04	101.4	150	55.9	10.3	348	2.06	15.5	0.6	2.9	3.1	27.0	1.14	1.60	0.14	45	0.18	0.065
1300925	Soil		1.73	10.08	11.55	54.2	151	17.1	3.2	81	1.13	16.7	0.5	1.2	3.7	14.2	0.43	0.93	0.16	26	0.08	0.039
1300926	Soil		1.68	10.16	12.34	57.3	423	19.7	3.8	112	1.28	15.0	0.4	0.2	1.7	15.4	0.47	1.33	0.11	30	0.10	0.028
1300927	Soil		2.35	19.06	17.64	232.3	383	36.2	9.6	288	2.48	16.5	0.7	0.4	4.7	14.0	3.51	1.84	0.26	41	0.14	0.152
1300928	Soil		1.74	11.54	12.12	57.5	228	21.3	3.6	79	1.29	13.0	0.4	0.8	3.2	10.1	0.38	1.18	0.14	25	0.08	0.038
1300929	Soil		2.70	28.80	16.27	103.6	165	64.3	10.2	286	2.43	20.8	1.1	4.1	6.0	22.8	0.44	1.81	0.19	47	0.20	0.047
1300930	Soil		2.88	30.36	17.55	112.7	505	47.4	8.3	158	2.95	37.2	0.8	1.1	5.9	15.9	0.52	2.19	0.18	43	0.08	0.061
1300931	Soil		0.74	10.24	6.45	43.2	40	162.4	21.1	340	2.08	8.4	0.4	1.6	2.6	10.6	0.23	0.58	0.07	40	0.19	0.015
1300932	Soil		1.86	14.15	8.76	63.3	34	207.8	19.0	215	2.61	19.3	0.5	2.5	2.9	10.9	0.34	1.28	0.07	58	0.17	0.013
1300933	Soil		6.33	59.47	18.32	4365	559	1155	25.1	378	2.55	147.3	11.8	9.9	2.5	41.6	41.32	7.79	0.07	43	0.81	0.063
1300934	Soil		1.37	26.04	7.89	342.6	140	278.8	37.4	893	3.23	26.5	0.3	2.1	1.6	11.3	0.35	2.13	0.09	57	0.16	0.022
1300935	Soil		0.79	14.01	5.84	78.3	34	41.3	7.0	202	1.66	11.2	0.2	1.2	1.4	7.2	0.27	1.09	0.12	54	0.09	0.026
1300936	Soil		1.80	34.14	4.77	89.7	47	285.3	25.0	424	3.90	27.8	0.3	7.4	1.4	13.0	0.40	2.23	0.08	95	0.24	0.038
1300937	Soil		1.37	40.34	10.38	77.1	231	269.8	31.9	764	4.61	49.6	0.3	2.8	1.5	12.8	0.09	3.96	0.07	79	0.27	0.035
1300938	Soil		0.63	23.11	3.14	68.7	106	470.0	40.9	468	3.90	16.0	0.2	6.1	0.9	9.3	0.50	1.22	0.04	65	0.19	0.026
1300939	Soil		11.66	11.13	17.34	54.4	1577	20.4	2.7	103	0.99	12.3	1.5	5.7	2.0	58.0	1.96	4.89	0.19	42	0.05	0.071
1300940	Soil		2.23	48.75	17.37	240.0	379	100.6	9.7	197	2.83	45.1	1.4	1.9	2.8	35.0	0.61	8.50	0.17	28	0.03	0.063
1300941	Soil		1.18	13.08	7.23	117.7	151	168.3	22.0	583	3.33	26.0	0.3	9.4	1.7	11.4	1.12	1.29	0.09	58	0.08	0.029
1300942	Soil		3.47	27.09	12.06	68.0	955	362.9	42.2	892	4.33	29.5	1.4	6.1	2.8	35.3	0.90	4.28	0.16	46	0.19	0.089
1300943	Soil		0.84	23.10	5.94	58.4	221	205.8	22.7	583	3.53	24.5	0.3	0.9	1.8	12.1	0.44	1.32	0.10	53	0.17	0.026
1300944	Soil		8.57	68.55	26.53	1336	239	486.5	115.8	4767	7.61	175.6	3.3	17.2	2.6	38.8	4.61	13.43	0.02	11	0.91	0.343
1300945	Soil		1.57	53.11	14.37	117.2	990	51.0	10.7	353	3.53	135.6	0.3	5.7	2.2	34.7	0.38	8.57	0.17	23	0.05	0.074
1300946	Soil		1.83	47.32	17.46	104.4	1060	53.9	10.7	396	3.52	140.9	0.3	7.8	3.6	35.4	0.15	8.97	0.16	23	0.04	0.041
1300947	Soil		2.71	79.73	14.27	109.9	577	56.6	18.5	465	4.80	140.6	0.3	4.8	2.5	23.3	0.38	6.12	0.14	68	0.10	0.068
1300948	Soil		0.79	17.79	6.63	37.0	229	15.1	5.1	609	1.05	11.1	0.3	0.7	<0.1	20.1	0.44	0.64	0.07	21	0.48	0.077
1300949	Soil		7.87	45.55	18.21	401.6	774	78.8	10.1	223	2.72	37.3	1.2	3.9	5.5	28.0	2.82	5.10	0.16	31	0.04	0.085
1300950	Soil		10.32	38.15	32.07	403.0	1009	65.4	4.8	90	3.22	45.5	2.3	4.7	6.3	99.4	3.02	11.16	0.23	36	0.05	0.125
1300951	Soil		11.57	33.54	20.78	304.2	515	65.3	6.6	183	2.72	26.9	1.5	2.1	4.4	77.7	1.85	5.76	0.18	50	0.14	0.143

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Project: IOLA
Report Date: August 06, 2012

CERTIFICATE OF ANALYSIS WHI12000132.1

Method		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
Analyte		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
MDL		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1300922	Soil	14.6	17.6	0.07	224.4	0.011	<1	0.45	0.008	0.18	0.3	1.1	0.17	0.34	10	1.4	0.10	1.7
1300923	Soil	15.0	17.1	0.04	112.5	0.022	<1	0.32	0.004	0.09	0.2	0.8	0.06	0.13	13	0.5	0.04	2.2
1300924	Soil	13.8	52.7	0.66	205.6	0.051	<1	0.88	0.004	0.07	0.2	2.4	0.12	<0.02	13	0.7	<0.02	3.9
1300925	Soil	19.7	18.8	0.11	76.7	0.026	<1	0.56	0.004	0.04	0.2	1.1	0.10	<0.02	17	0.3	0.05	3.0
1300926	Soil	16.6	25.9	0.20	122.6	0.022	<1	0.69	0.005	0.04	0.2	1.2	0.09	<0.02	14	0.6	<0.02	3.1
1300927	Soil	13.0	37.6	0.24	146.9	0.040	<1	0.88	0.004	0.05	0.2	2.0	0.07	<0.02	16	0.5	0.05	4.6
1300928	Soil	13.7	22.0	0.11	63.3	0.033	<1	0.48	0.003	0.03	0.1	1.0	0.06	<0.02	7	0.4	0.02	3.1
1300929	Soil	19.5	68.5	0.80	323.9	0.056	<1	1.27	0.006	0.06	0.3	3.7	0.10	<0.02	16	0.6	0.02	4.5
1300930	Soil	16.7	50.1	0.36	236.0	0.021	<1	1.35	0.002	0.06	0.2	2.7	0.10	<0.02	24	0.9	0.04	3.7
1300931	Soil	8.1	150.6	1.92	140.0	0.053	3	0.97	0.009	0.03	0.2	3.1	0.04	<0.02	13	0.1	<0.02	3.3
1300932	Soil	10.0	216.0	2.32	224.7	0.059	4	1.33	0.003	0.04	0.1	3.1	0.08	<0.02	11	0.4	0.03	4.0
1300933	Soil	7.1	251.7	3.15	133.0	0.044	6	1.03	0.012	0.05	0.4	7.2	0.09	0.26	48	7.3	0.04	3.0
1300934	Soil	6.5	281.9	1.43	168.5	0.036	3	1.26	0.009	0.03	0.2	3.9	0.07	<0.02	14	0.1	0.04	4.3
1300935	Soil	6.3	78.1	0.46	44.9	0.078	2	0.87	0.010	0.02	0.2	1.8	0.04	<0.02	7	<0.1	0.03	5.5
1300936	Soil	5.4	375.7	2.43	151.0	0.069	4	1.95	0.006	0.02	0.2	4.9	0.07	<0.02	9	0.2	0.05	5.4
1300937	Soil	5.8	362.9	2.63	129.9	0.053	5	2.19	0.006	0.05	0.1	5.7	0.06	<0.02	7	0.2	0.04	6.4
1300938	Soil	3.3	519.2	4.31	93.9	0.043	8	1.70	0.007	0.02	<0.1	5.4	0.04	<0.02	14	0.1	<0.02	4.0
1300939	Soil	15.9	28.7	0.07	117.0	0.021	2	0.28	0.005	0.05	0.3	0.9	0.37	0.04	10	1.9	0.08	2.2
1300940	Soil	16.0	120.3	0.43	299.7	0.011	2	0.77	0.005	0.05	0.2	2.2	0.13	0.04	18	1.6	0.07	2.6
1300941	Soil	6.5	333.4	1.39	190.9	0.030	3	1.28	0.008	0.03	0.2	3.9	0.09	<0.02	14	0.1	0.03	4.0
1300942	Soil	6.8	435.7	2.79	137.6	0.010	6	0.95	0.006	0.04	0.2	10.0	0.15	0.04	87	1.9	0.06	2.3
1300943	Soil	6.9	259.9	1.87	163.8	0.056	2	1.51	0.008	0.03	0.3	5.3	0.06	<0.02	14	0.1	0.02	4.6
1300944	Soil	22.6	20.6	0.13	195.5	0.003	3	0.40	0.003	0.08	0.5	15.4	0.45	<0.02	106	0.7	<0.02	0.9
1300945	Soil	10.0	40.0	0.25	192.8	0.021	1	0.67	0.006	0.06	0.6	2.9	0.06	0.06	13	1.0	0.11	2.4
1300946	Soil	9.5	53.7	0.32	410.7	0.007	1	0.92	0.004	0.06	0.4	2.9	0.10	0.06	23	0.6	0.09	2.3
1300947	Soil	12.1	49.3	0.64	198.2	0.049	3	1.54	0.004	0.05	0.2	6.1	0.11	0.03	28	1.1	0.06	4.6
1300948	Soil	3.5	20.7	0.22	127.3	0.018	2	0.70	0.021	0.04	0.2	0.9	0.06	0.06	21	0.2	<0.02	2.8
1300949	Soil	17.3	47.3	0.23	202.6	0.014	2	0.88	0.004	0.06	0.5	2.5	0.18	0.03	55	2.8	0.07	2.3
1300950	Soil	13.9	29.0	0.11	305.1	0.004	1	0.84	0.005	0.07	0.2	3.2	0.29	0.09	88	4.9	0.09	2.2
1300951	Soil	17.2	47.4	0.33	183.3	0.019	1	0.79	0.004	0.07	0.3	2.1	0.25	0.05	16	3.3	0.09	2.8

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Project: IOLA
Report Date: August 06, 2012

CERTIFICATE OF ANALYSIS WHI12000132.1

		Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
1300953	Soil		6.47	28.10	16.54	193.7	276	38.6	6.7	229	1.96	12.9	1.1	2.0	4.7	22.9	1.34	3.31	0.12	34	0.11	0.061
1300954	Soil		6.16	34.99	12.41	242.9	658	43.4	6.6	194	3.11	25.6	0.7	1.5	4.8	18.3	2.51	3.12	0.26	53	0.07	0.114
1300955	Soil		7.59	29.97	39.96	117.9	2793	27.4	2.1	56	4.73	74.6	5.9	3.0	8.3	347.5	1.14	23.89	0.34	106	0.40	1.626
1300956	Soil		2.36	79.85	17.09	165.1	232	36.9	6.3	224	2.14	23.1	1.2	1.7	4.2	14.8	0.81	3.56	0.25	21	0.02	0.091
1300957	Soil		3.56	90.11	42.08	185.6	1307	51.2	13.4	1083	2.92	133.2	0.6	4.3	3.6	44.2	1.38	3.79	0.24	9	<0.01	0.098
1300958	Soil		2.45	41.25	11.80	101.9	153	39.6	9.7	683	2.79	13.7	0.4	5.8	0.9	21.0	0.29	2.09	0.13	44	0.17	0.095
1300959	Soil		1.68	60.61	14.06	94.5	360	86.9	17.3	820	3.66	21.7	0.4	1.6	3.3	12.3	0.50	2.34	0.14	53	0.16	0.077
1300960	Soil		1.61	38.88	10.02	130.2	331	104.4	22.9	1035	4.09	16.9	0.3	2.7	1.7	14.1	3.12	1.64	0.10	69	0.24	0.092
1300961	Soil		1.15	30.65	8.71	72.9	46	108.6	20.0	682	3.40	14.2	0.2	0.6	1.1	11.5	0.24	1.17	0.09	61	0.19	0.035
1300962	Soil		1.10	45.63	6.35	71.8	94	114.6	23.1	794	4.09	16.1	0.3	3.0	1.1	11.8	0.19	1.21	0.07	73	0.27	0.041
1300963	Soil		0.95	26.66	7.91	60.9	75	63.7	13.4	566	3.00	10.8	0.4	3.5	1.0	10.0	0.16	0.77	0.14	59	0.16	0.041
1300964	Soil		1.02	27.09	5.86	77.6	63	68.0	14.7	610	3.33	16.6	0.3	2.6	1.0	11.3	0.23	0.99	0.11	67	0.17	0.037
1300965	Soil		0.88	34.02	6.35	55.0	41	53.3	13.1	480	2.87	11.6	0.5	2.7	2.7	10.7	0.19	0.90	0.13	54	0.20	0.060
1300966	Soil		0.70	12.59	3.60	28.1	44	29.7	6.8	298	1.66	6.7	0.2	0.4	0.4	5.9	0.06	0.45	0.07	36	0.08	0.032
1300751	Soil		53.07	19.60	38.84	43.8	1477	21.5	0.9	35	1.22	27.6	7.1	2.5	0.2	70.4	0.48	12.57	0.23	153	0.08	0.302
1300752	Soil		262.2	60.43	30.25	14.1	3681	14.1	0.7	39	3.11	35.9	56.6	2.6	3.3	57.1	0.85	27.81	0.15	261	0.04	0.820
1300753	Soil		7.30	47.32	28.94	94.1	615	34.7	4.0	93	3.05	18.3	0.9	2.6	2.4	22.2	0.27	2.52	0.28	37	0.03	0.082
1300754	Soil		8.65	26.80	27.08	116.0	2465	30.8	5.2	157	2.55	34.3	1.5	1.9	3.8	52.4	0.97	5.79	0.21	52	0.06	0.095
1300755	Soil		14.03	48.65	74.51	131.0	2491	31.2	3.4	68	2.85	70.5	2.5	7.4	2.9	47.0	0.62	8.46	0.33	61	0.07	0.278
1300756	Soil		92.75	54.90	51.86	1350	1877	278.5	63.9	6424	2.34	28.4	5.1	9.8	2.9	83.7	80.47	6.23	0.28	38	0.13	0.147
1300757	Soil		2.92	20.28	24.11	76.4	579	32.3	5.3	137	2.00	59.3	0.5	2.0	0.7	14.6	0.27	1.21	0.17	18	0.03	0.056
1300758	Soil		31.19	35.22	29.51	121.8	4683	33.4	4.8	77	2.40	52.9	2.0	3.6	3.9	30.5	0.59	11.59	0.16	116	0.03	0.101
1300759	Soil		19.65	28.15	45.27	49.6	17211	20.8	3.3	85	2.92	37.7	7.0	5.6	1.3	136.6	0.35	12.41	0.27	320	0.14	0.581
1300760	Soil		41.88	39.90	57.80	31.3	4222	14.0	0.6	24	2.05	31.4	44.2	3.0	2.1	546.1	1.54	15.00	0.19	158	0.13	0.929
1300761	Soil		30.58	25.00	30.85	93.3	3398	16.1	1.3	29	1.86	44.9	5.3	1.4	0.3	547.2	0.46	12.13	0.21	217	0.05	0.131
1300762	Soil		1.08	126.4	2.99	97.1	50	87.6	29.5	1488	7.06	26.9	0.4	0.9	0.9	8.8	0.19	1.13	0.05	104	0.25	0.057
1300763	Soil		4.88	61.83	23.88	79.9	504	27.3	7.6	518	1.86	42.2	1.4	4.9	2.0	16.7	0.37	2.61	0.14	24	0.04	0.067
1300693	Soil		2.81	34.88	47.36	121.3	381	27.9	5.1	87	3.13	33.8	1.2	2.5	2.4	20.0	0.43	1.96	0.19	36	0.05	0.057

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		Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1300953	Soil		16.1	34.1	0.27	212.7	0.033	2	0.75	0.006	0.04	0.2	2.8	0.11	<0.02	81	1.3	0.05	2.5
1300954	Soil		15.6	58.7	0.35	193.1	0.039	2	1.37	0.005	0.05	0.3	2.9	0.16	<0.02	37	0.8	0.04	5.9
1300955	Soil		15.7	49.1	0.12	573.2	0.044	2	2.30	0.006	0.07	0.7	4.8	0.27	0.04	194	3.9	0.11	7.2
1300956	Soil		19.2	18.8	0.17	230.5	0.004	1	0.75	0.002	0.07	0.1	2.3	0.07	<0.02	14	2.0	0.11	2.9
1300957	Soil		25.5	15.9	0.07	206.3	0.003	2	0.53	0.003	0.06	0.1	1.9	0.12	0.04	17	1.0	0.10	1.7
1300958	Soil		12.9	43.0	0.59	212.9	0.033	1	1.22	0.007	0.07	0.2	2.3	0.09	<0.02	13	0.5	0.07	4.6
1300959	Soil		16.2	83.0	1.02	179.2	0.050	2	1.76	0.005	0.07	0.2	4.4	0.07	<0.02	17	0.4	0.08	5.1
1300960	Soil		10.2	152.4	1.31	196.7	0.064	2	1.93	0.005	0.07	0.2	6.3	0.07	<0.02	16	0.3	0.04	6.0
1300961	Soil		6.6	178.1	0.97	177.1	0.077	2	1.46	0.009	0.05	0.2	4.4	0.06	<0.02	9	0.1	0.03	5.1
1300962	Soil		8.5	164.4	1.27	230.3	0.068	2	2.09	0.006	0.05	0.2	5.6	0.08	<0.02	14	0.2	0.06	6.1
1300963	Soil		9.6	114.6	0.87	228.5	0.060	2	1.59	0.006	0.04	0.2	4.3	0.10	<0.02	12	0.1	0.04	5.8
1300964	Soil		6.8	129.0	0.89	154.9	0.114	2	1.34	0.005	0.06	0.2	3.9	0.05	<0.02	13	<0.1	0.04	5.5
1300965	Soil		11.7	76.2	0.69	95.6	0.070	2	1.44	0.007	0.04	0.3	4.3	0.08	<0.02	20	0.1	0.04	5.0
1300966	Soil		4.4	49.1	0.41	64.4	0.052	2	0.86	0.014	0.02	0.1	1.9	0.07	0.02	20	0.1	0.02	3.9
1300751	Soil		25.0	44.7	0.03	721.7	0.007	4	0.34	0.003	0.09	1.0	0.4	1.82	0.13	172	18.6	0.18	2.7
1300752	Soil		19.8	62.0	0.03	562.1	0.005	6	0.59	0.004	0.08	1.2	2.5	2.82	0.14	3988	49.5	0.31	2.3
1300753	Soil		18.0	14.6	0.03	175.8	0.015	1	0.44	0.004	0.05	0.3	1.4	0.33	0.03	22	2.0	0.07	2.8
1300754	Soil		13.7	37.3	0.25	239.9	0.033	1	0.91	0.004	0.05	0.4	2.5	0.22	0.05	48	3.6	0.11	3.4
1300755	Soil		13.4	30.9	0.08	415.2	0.010	2	0.81	0.002	0.05	0.6	1.4	0.31	0.08	125	5.1	0.15	1.9
1300756	Soil		17.4	40.5	0.32	1586	0.015	2	0.79	0.002	0.05	0.4	3.5	1.24	0.05	253	2.3	0.28	2.2
1300757	Soil		12.8	20.0	0.05	265.2	0.011	<1	0.53	0.006	0.05	0.2	0.6	0.08	0.06	42	0.6	<0.02	2.3
1300758	Soil		16.2	32.4	0.11	469.1	0.008	<1	1.09	<0.001	0.08	0.5	1.5	0.54	0.09	126	10.4	0.14	2.4
1300759	Soil		13.6	90.9	0.19	1707	0.029	1	1.99	<0.001	0.07	1.2	3.9	0.38	0.10	525	5.0	0.16	6.1
1300760	Soil		12.9	132.2	0.04	563.3	0.004	4	0.73	<0.001	0.07	1.3	2.7	2.30	0.09	1013	23.2	0.15	3.0
1300761	Soil		15.3	34.6	0.07	359.4	0.011	1	0.74	<0.001	0.09	0.6	0.6	1.15	0.12	76	9.2	0.23	4.2
1300762	Soil		4.1	104.4	1.32	261.6	0.007	<1	2.73	<0.001	0.02	<0.1	10.8	0.08	<0.02	20	0.2	<0.02	5.8
1300763	Soil		29.3	13.5	0.16	229.4	0.004	<1	0.54	<0.001	0.06	0.2	1.1	0.15	0.03	40	2.7	0.05	1.8
1300693	Soil		16.0	19.0	0.20	134.8	0.017	<1	1.01	0.003	0.05	0.2	1.2	0.12	0.03	34	1.1	0.06	3.5

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Project: IOLA
Report Date: August 06, 2012

QUALITY CONTROL REPORT WHI12000132.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
Pulp Duplicates																					
1300671	Soil	0.79	17.04	5.57	50.6	28	392.8	54.0	821	4.29	9.1	0.3	2.5	1.2	12.5	0.19	1.20	0.10	58	0.25	0.044
REP 1300671	QC	0.80	16.67	5.64	49.0	29	395.4	53.5	801	4.28	9.1	0.3	2.5	1.2	12.9	0.20	1.19	0.10	58	0.26	0.044
1300677	Soil	0.54	25.92	4.46	47.5	58	502.9	52.4	894	4.01	21.7	0.4	5.0	1.2	7.7	0.43	2.36	0.07	43	0.15	0.041
REP 1300677	QC	0.58	26.60	4.66	48.9	63	498.2	53.6	908	4.00	22.1	0.4	5.5	1.3	7.9	0.44	2.26	0.07	43	0.14	0.041
1300908	Soil	2.54	16.00	25.88	50.6	366	12.9	2.3	123	1.37	23.4	0.9	2.3	0.9	31.8	0.21	1.22	0.21	27	0.06	0.054
REP 1300908	QC	2.60	16.21	26.41	48.8	383	13.2	2.4	126	1.40	23.7	1.0	2.7	0.9	31.2	0.23	1.23	0.22	27	0.06	0.056
1300915	Soil	2.20	21.87	24.82	196.1	939	31.0	5.7	129	2.10	58.0	1.4	1.9	3.2	94.0	1.77	2.05	0.19	23	0.07	0.081
REP 1300915	QC	2.29	21.38	23.23	201.8	901	29.3	5.8	127	2.08	57.3	1.3	0.7	3.1	91.2	1.81	1.96	0.19	23	0.07	0.081
1300944	Soil	8.57	68.55	26.53	1336	239	486.5	115.8	4767	7.61	175.6	3.3	17.2	2.6	38.8	4.61	13.43	0.02	11	0.91	0.343
REP 1300944	QC	8.70	69.18	26.65	1358	241	483.5	115.2	4821	7.75	175.6	3.3	18.3	2.6	38.0	4.63	13.49	0.02	10	0.92	0.335
1300951	Soil	11.57	33.54	20.78	304.2	515	65.3	6.6	183	2.72	26.9	1.5	2.1	4.4	77.7	1.85	5.76	0.18	50	0.14	0.143
REP 1300951	QC	11.98	34.62	21.08	315.2	528	66.3	6.4	186	2.75	28.6	1.4	2.0	4.7	82.3	1.99	5.90	0.17	51	0.15	0.148
1300759	Soil	19.65	28.15	45.27	49.6	17211	20.8	3.3	85	2.92	37.7	7.0	5.6	1.3	136.6	0.35	12.41	0.27	320	0.14	0.581
REP 1300759	QC	19.22	27.87	44.35	48.3	17144	20.1	3.3	85	2.92	38.0	6.9	7.3	1.4	135.6	0.41	12.29	0.26	317	0.13	0.572
1300693	Soil	2.81	34.88	47.36	121.3	381	27.9	5.1	87	3.13	33.8	1.2	2.5	2.4	20.0	0.43	1.96	0.19	36	0.05	0.057
REP 1300693	QC	2.74	35.06	47.66	121.6	381	27.9	5.0	84	3.10	33.2	1.2	4.0	2.4	20.2	0.47	1.88	0.19	37	0.04	0.056
Reference Materials																					
STD DS9	Standard	13.85	103.9	128.3	316.2	1935	41.2	7.2	595	2.33	25.5	2.7	131.0	6.1	73.8	2.34	5.61	6.47	38	0.73	0.086
STD DS9	Standard	13.47	111.3	127.9	302.0	1823	41.1	8.0	572	2.32	23.6	3.0	118.7	7.1	80.7	2.39	5.70	7.09	40	0.78	0.078
STD DS9	Standard	13.93	109.1	131.8	319.2	1958	42.8	8.1	598	2.38	27.7	2.9	115.4	7.0	70.3	2.70	5.28	6.26	41	0.76	0.086
STD DS9	Standard	12.84	106.8	123.9	312.3	1850	40.3	7.6	577	2.30	24.9	2.6	111.9	5.9	58.8	2.26	4.82	4.71	39	0.72	0.083
STD DS9 Expected		12.84	108	126	317	1830	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank	<0.01	<0.01	<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	0.02	0.03	<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	0.02	0.2	5	<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	0.02	<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

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Project: IOLA
Report Date: August 06, 2012

QUALITY CONTROL REPORT WHI12000132.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																		
1300671	Soil	5.9	422.4	4.37	120.0	0.042	6	1.32	0.006	0.03	0.1	5.2	0.03	0.03	13	0.2	0.04	3.7
REP 1300671	QC	5.9	409.1	4.38	119.4	0.041	7	1.33	0.006	0.04	0.1	5.3	0.04	0.03	12	0.2	0.03	3.7
1300677	Soil	6.7	556.9	3.35	147.7	0.023	7	1.10	0.003	0.03	0.2	8.0	0.04	0.02	17	<0.1	<0.02	2.7
REP 1300677	QC	6.6	541.6	3.33	149.6	0.022	7	1.09	0.003	0.03	0.2	8.4	0.05	0.02	15	<0.1	<0.02	2.6
1300908	Soil	21.6	16.2	0.09	146.1	0.020	<1	0.47	0.003	0.13	0.2	0.7	0.18	0.09	21	1.1	0.10	3.0
REP 1300908	QC	22.3	17.1	0.10	148.5	0.021	<1	0.48	0.003	0.13	0.2	0.7	0.19	0.08	23	1.1	0.13	2.9
1300915	Soil	17.9	24.3	0.13	192.3	0.018	<1	0.63	0.004	0.09	0.4	1.1	0.12	0.07	10	0.9	0.02	2.5
REP 1300915	QC	17.8	23.9	0.13	194.3	0.019	<1	0.62	0.004	0.09	0.4	1.1	0.12	0.07	15	0.6	0.04	2.4
1300944	Soil	22.6	20.6	0.13	195.5	0.003	3	0.40	0.003	0.08	0.5	15.4	0.45	<0.02	106	0.7	<0.02	0.9
REP 1300944	QC	22.5	20.3	0.13	190.4	0.003	4	0.40	0.003	0.08	0.5	15.9	0.44	<0.02	95	0.6	<0.02	0.9
1300951	Soil	17.2	47.4	0.33	183.3	0.019	1	0.79	0.004	0.07	0.3	2.1	0.25	0.05	16	3.3	0.09	2.8
REP 1300951	QC	17.7	48.7	0.32	194.8	0.020	2	0.80	0.004	0.07	0.3	2.3	0.25	0.05	18	3.4	0.08	3.1
1300759	Soil	13.6	90.9	0.19	1707	0.029	1	1.99	<0.001	0.07	1.2	3.9	0.38	0.10	525	5.0	0.16	6.1
REP 1300759	QC	13.4	93.2	0.18	1674	0.029	2	2.00	<0.001	0.07	1.2	4.0	0.36	0.10	466	5.1	0.22	6.1
1300693	Soil	16.0	19.0	0.20	134.8	0.017	<1	1.01	0.003	0.05	0.2	1.2	0.12	0.03	34	1.1	0.06	3.5
REP 1300693	QC	16.6	20.2	0.20	130.3	0.017	<1	1.02	0.003	0.06	0.2	1.2	0.12	0.03	36	1.0	<0.02	3.4
Reference Materials																		
STD DS9	Standard	13.2	122.3	0.61	291.6	0.102	3	0.95	0.090	0.40	3.1	3.0	5.65	0.17	216	5.4	5.40	4.9
STD DS9	Standard	15.7	114.7	0.62	314.4	0.119	3	1.10	0.092	0.44	2.9	3.1	5.66	0.16	205	5.0	5.01	4.7
STD DS9	Standard	14.1	116.8	0.67	322.2	0.111	<1	0.99	0.091	0.41	3.1	2.7	5.84	0.17	237	5.6	5.26	5.0
STD DS9	Standard	12.8	116.4	0.61	297.0	0.109	2	0.93	0.080	0.39	3.1	2.2	5.41	0.16	198	5.3	5.14	4.5
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
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

Appendix B

2012 Rock Sample Locations, Descriptions

And

Analytical Results

IOLA Property, 2012 Rock Sample Results

Sample No.	Sample Date	UTM	Northing	Easting	Elevation	Description	Certificate	Ag PPB	As PPM	Au PPB	Cr PPM	Cu PPM	Hg PPB	Mo PPM	Ni PPM	Pb PPM	Sb PPM	Tl PPM	Zn PPM
122301	09/06/2012	NAD 83 - 8	6803993	589537	1510	Oxidized fragmented quartz float. Two generations of quartz: early milky quartz surrounding milky block of quartz - clear quartz and oxidized areas	WHI12000129	1247	9.5	0.9	31.6	5.73	97	9.82	1.6	4.12	4.73	0.52	3.5
122302	11/06/2012	NAD 83 - 8	6802835	590220	1578	Gossanous unit, oxidized pyrite, manganese stain, dark brown stringer, high density of stringers	WHI12000129	1625	696.3	11	3.2	36.16	10	0.53	18	6.03	12.3	0.29	53.3
122303	11/06/2012	NAD 83 - 8	6802608	590276	1562	Intensely quartz veined through slate, oxidized, Mn staining. Looks juicy.	WHI12000129	555	241.6	13	30.1	12.35	16	0.55	47.3	13.43	5.52	0.12	31.5
122304	11/06/2012	NAD 83 - 8	6802898	590237	1589	Within gossan, quartz-calcite vein with hematite.	WHI12000129	30	6.4	0.8	3.2	0.66	2.5	0.03	2.9	0.49	0.33	0.01	1
122305	13/06/2012	NAD 83 - 8	6804581	588989	1455	Prismatic quartz infilled with Fe-carb and cubic sulphide (galena, pyrite, sphalerite…)	WHI12000129	12	52.8	0.8	40	4.75	6	0.27	29.2	0.35	0.46	0.01	50.7
122306	15/06/2012	NAD 83 - 8	6804108	590605	1320	Medium grained igneous rock, veined and filled with disseminated silvery sulphide. Seems to be striping within the crystals so maybe a metaigneous rock. Large boulder observed above the drill creek anomaly.	WHI12000129	8	1.7	1.4	557	0.54	2.5	0.005	559.8	0.005	0.34	0.01	9.8
122307	15/06/2012	NAD 83 - 8	6803952	590605	1264	Ferricrete	WHI12000129	306	25.3	3.3	16.8	14.52	23	1.73	13.1	18.53	1.57	0.12	811.7
122308	15/06/2012	NAD 83 - 8	6803952	590605	1264	Ferricrete	WHI12000129	149	0.8	0.4	7.6	119.12	8	0.06	23.5	0.11	0.08	0.18	2522.6
1300701	08/06/2012	NAD 83 - 8	6803783	589865	1470	Black Graphitic shale. Quartz Vein hosting an unknown green globular with an altered yellow “dissolved variation”	WHI12000129	2506	9.6	0.1	49.9	67.17	440	8.75	2.3	2.65	10.76	0.21	41.7
1300702	08/06/2012	NAD 83 - 8	6803783	589865	1470	Black Graphitic shale. Quartz Vein hosting an unknown green globular with an altered yellow “dissolved variation”	WHI12000129	2663	14	0.1	46.9	70.44	643	10.06	3.8	3.34	14.1	0.15	39.9
1300703	08/06/2012	NAD 83 - 8	6803692	589834	1464	Quartz with yellow alteration mineral. Conglomerate/ breccia like.	WHI12000129	1413	71.6	1	68.4	35.09	70	64.86	0.9	11.45	52.43	0.29	31.8
1300704	09/06/2012	NAD 83 - 8	6804054	589812	1520	Altered quartz around black shale. Well formed, slightly folded thin shale, thin but not flaky. Foliated with quartz. Quartz very vuggy with orangey yellow to red oxidized iron rust colour within the altered layers of the quartz.	WHI12000129	821	24.1	0.1	26	12.47	269	15	2.2	4.1	30.18	0.49	20.6
1300705	09/06/2012	NAD 83 - 8	6804206	589742	1571	Silvery weathering shale with rusty sandy brown oxidizing. Specific sample contains (altered in interior) heavy black glossy mineral.	WHI12000129	111	36.7	2.2	12.4	108.31	30	8.06	94.8	11.17	1.07	0.31	313.2
1300706	09/06/2012	NAD 83 - 8	6804305	589652	1632	Green quartz? Personal sample has 3/4 rosette shaped structure	WHI12000129	12	0.8	1.9	18	1.01	11	0.2	7.6	0.86	0.25	0.01	13.4
1300707	09/06/2012	NAD 83 - 8	6804293	589657	1633	Green quartzite?	WHI12000129	18	1.4	1	21.3	18.49	2.5	0.19	46.5	2.2	0.35	0.02	50.2
1300708	10/06/2012	NAD 83 - 8	6803407	590655	1385	Oxidized/ deformed shale. Hematite	WHI12000129	2137	327.3	0.1	75.6	105.97	123	75.45	42.7	8.08	37.73	2.36	374.2
1300709	10/06/2012	NAD 83 - 8	6803407	590655	1386	Oxidized/ deformed shale. Hematite	WHI12000129	5343	283	0.1	118.7	105.51	199	78.17	38	8.76	62.57	3.28	415.3

Sample No.	Sample Date	UTM	Northing	Easting	Elevation	Description	Certificate	Ag PPB	As PPM	Au PPB	Cr PPM	Cu PPM	Hg PPB	Mo PPM	Ni PPM	Pb PPM	Sb PPM	Tl PPM	Zn PPM
1300710	11/06/2012	NAD 83 - 8	6802964	590191	1553	Quartz veins crystalized with quartzite/ chert? A gray fine grained solid mass. Flat colour. Main rocks seem to be a harder combination of shale? And something else. Rock type? “Olive stone blue/ green drab colour. West side of rock/ scree face is defiantly characterized closure to the silvery sandy weathering shale found elsewhere. But this is only found in pockets. Many fractures on the slope found to have been filled with calcite. Plus similar quartz veins (deformed and un deformed) with quartzite/ gray quartz variation as was being found at the north peak/ “greenstone peak”.	WHI12000129	41	3.6	0.1	20.9	516.05	2.5	0.45	44.3	0.34	0.27	0.05	25.5
1300711	11/06/2012	NAD 83 - 8	6802331	590337	1538	Quartz veins crystalized with quartzite/ chert? A gray fine grained solid mass. Flat colour. Main rocks seem to be a harder combination of shale? And something else. Rock type? “Olive stone blue/ green drab colour. West side of rock/ scree face is defiantly characterized closure to the silvery sandy weathering shale found elsewhere. But this is only found in pockets.	WHI12000129	17	143.1	11.5	13.6	1.46	11	0.52	5	0.58	0.58	0.03	9.2

Appendix C

2012 Soil Sample Locations

And

Analytical Results

Sample No.	Sample Date	UTM	Northing	Easting	Elevation	Certificate	Ag PPB	As PPM	Au PPB	Ba PPM	Cr PPM	Cu PPM	Hg PPB	Mo PPM	Ni PPM	Pb PPM	Sb PPM	Tl PPM	Zn PPM
122351	08/06/2012	NAD 83 - 8	6803780	589865	1467	WHI12000127P	13215	47.2	3.8	515.6	113.6	87.25	2348	28.73	8.3	22.76	25.26	0.86	33.4
122352	08/06/2012	NAD 83 - 8	6803768	589872	1463	WHI12000127P	10954	158.2	5.6	897.7	104.1	64.6	2537	114.87	5	32.71	80.34	1.12	9.9
122353	08/06/2012	NAD 83 - 8	6803693	589832	1461	WHI12000127P	4268	99.4	8.3	612.5	59.1	39.86	334	70.98	11.2	54.21	79.84	1.07	19.3
122354	08/06/2012	NAD 83 - 8	6803288	590206	1460	WHI12000127P	4034	55.2	8.2	1358.9	43.4	103.25	187	33.84	95.9	42.5	26.81	1.23	738.6
122355	08/06/2012	NAD 83 - 8	6803303	590237	1462	WHI12000127P	3386	80	4.3	394.1	40.4	106.74	55	45.35	90.8	39.23	31.68	0.44	481.3
122356	09/06/2012	NAD 83 - 8	6804046	589387	1496	WHI12000127P	1680	26	5.4	561.5	16.9	40.96	102	16.39	11.9	25.57	9.47	0.42	51.7
122357	09/06/2012	NAD 83 - 8	6804010	589495	1515	WHI12000127	1567	33.7	4.1	558.9	24.2	35.1	94	9.29	17.2	19.78	3.3	0.51	67.5
122358	09/06/2012	NAD 83 - 8	6804001	589597	1516	WHI12000127	2671	29.9	2.5	1738.1	19.5	63.54	464	24.82	87.3	53.1	11.5	0.68	286.6
122359	09/06/2012	NAD 83 - 8	6803991	589698	1510	WHI12000127	2436	19.2	2.1	1215.5	34	49.46	830	32.15	22.9	18.29	8.91	0.97	123.9
122360	09/06/2012	NAD 83 - 8	6804014	589811	1514	WHI12000127	1816	17.5	2.8	679	24.3	31.17	1288	78.02	6.1	21.55	14.97	1.9	21.6
122361	09/06/2012	NAD 83 - 8	6804004	589906	1485	WHI12000127	3056	35.2	5.4	674.6	26.6	34.65	542	27.03	16.6	26.12	9.02	0.5	59.5
122362	09/06/2012	NAD 83 - 8	6803988	589999	1423	WHI12000127	2893	74.8	4.9	1083.7	17.1	36.78	96	32.42	16.6	50.74	11.8	0.76	98.2
122363	09/06/2012	NAD 83 - 8	6803992	590092	1401	WHI12000127	1737	71.8	3.4	541.8	6	38.66	54	15.11	8	31.07	8.38	0.71	58.7
122364	09/06/2012	NAD 83 - 8	6804006	590210	1370	WHI12000127	823	50.9	2.8	279.1	16.1	54.99	21	7.98	39.8	43.91	5.61	0.52	296.9
122365	09/06/2012	NAD 83 - 8	6803999	590501	1306	WHI12000127	1696	53.8	3.5	202.7	18.8	36.99	43	5.3	31.4	116.3	4.93	0.22	171.8
122366	09/06/2012	NAD 83 - 8	6804002	590600	1289	WHI12000127	4558	70.7	3.6	213.1	22.9	27.01	60	7.26	32.2	356.08	5.32	0.2	142.7
122367	09/06/2012	NAD 83 - 8	6803998	590685	1275	WHI12000127	2607	50.7	4	447.1	38.6	31.91	56	5.29	37.7	166.7	4.6	0.24	174.6
122368	09/06/2012	NAD 83 - 8	6804003	590798	1262	WHI12000127	1774	105	4	559	26.4	44.26	70	8.71	43.1	144.41	6.13	0.26	238.1
122369	09/06/2012	NAD 83 - 8	6804005	590886	1243	WHI12000127	1360	38.5	1.2	349.2	78.7	28.68	23	4.2	80	38.89	2.71	0.14	201.2
122370	09/06/2012	NAD 83 - 8	6804011	590993	1219	WHI12000127	723	34.8	2.1	472.3	79	34.71	28	7.43	68.5	47.49	4.12	0.22	174.7
122371	10/06/2012	NAD 83 - 8	6803688	589995	1447	WHI12000127	1059	80	5.5	380.6	33	35.23	110	27.96	31	25.13	10.94	0.62	111.4
122372	10/06/2012	NAD 83 - 8	6803792	589990	1422	WHI12000127	3767	82.5	4.5	436.6	62.4	37.33	435	50.21	20	42.54	14.49	1.46	79.8
122373	10/06/2012	NAD 83 - 8	6803810	590099	1381	WHI12000127	1447	56.9	3.4	288.4	14.5	74.53	66	24.35	72.5	36.97	5.1	0.38	439.3
122374	10/06/2012	NAD 83 - 8	6803805	590611	1287	WHI12000127	1749	101.7	3.3	200.7	23.8	70.15	58	8.22	40.4	119.46	6.52	0.28	169.4
122375	10/06/2012	NAD 83 - 8	6803799	590702	1289	WHI12000127	2564	77.8	3.3	245.9	21.4	86.84	102	9.98	42.8	140.47	7.39	0.26	193.2
122376	10/06/2012	NAD 83 - 8	6803996	591336	1188	WHI12000127	278	50.5	1.6	55.5	23.7	26.1	6	3.29	37.4	22.44	3.69	0.1	169.4
122377	10/06/2012	NAD 83 - 8	6803987	591389	1203	WHI12000127	316	31.4	3	124.1	31.7	29.31	46	2.22	47.6	17.4	3.01	0.08	143.1
122378	10/06/2012	NAD 83 - 8	6803980	591517	1207	WHI12000127	352	21.8	1.8	174.9	26.5	21.27	34	2.39	31.8	19.11	1.72	0.1	106.5
122379	10/06/2012	NAD 83 - 8	6803853	591509	1224	WHI12000127	721	33.5	2.6	162.7	39.7	45.23	81	3.24	59	20.4	2.48	0.12	153.7
122380	10/06/2012	NAD 83 - 8	6803719	591490	1221	WHI12000127	406	13	1	147.8	45.4	30.37	20	2.53	61.2	17.98	1.51	0.1	178.5
122381	11/06/2012	NAD 83 - 8	6802834	590219	1577	WHI12000127	12164	508.8	20.1	262.8	7.4	174.11	66	0.73	32.3	5.19	129.88	0.09	85.7
122382	11/06/2012	NAD 83 - 8	6802608	590276	1561	WHI12000127	5219	743	21.2	234	42	70.96	91	1.53	129	22.37	21.6	0.33	156.4
122383	11/06/2012	NAD 83 - 8	6801926	590815	1502	WHI12000127	118	14.7	8.7	181.8	85.7	46.65	48	0.86	50.5	5.79	1.02	0.08	84.8
122384	11/06/2012	NAD 83 - 8	6802046	590748	1516	WHI12000127	71	25.3	1.3	131.1	121	50.61	35	0.98	77.2	8.5	0.97	0.09	79.3
122385	11/06/2012	NAD 83 - 8	6802167	590689	1533	WHI12000127	93	23.9	2.6	262.6	118.5	54.15	27	0.96	102.7	9.61	0.86	0.11	66
122386	11/06/2012	NAD 83 - 8	6802253	590616	1543	WHI12000127	52	20.3	2.7	121.3	195.6	39.9	36	1.01	149	7.15	0.92	0.09	57.1
122387	11/06/2012	NAD 83 - 8	6802330	590551	1553	WHI12000127	51	37.9	5.2	208.4	155.9	59.24	28	1.01	107.7	7.15	1.28	0.11	74.4
122388	11/06/2012	NAD 83 - 8	6802394	590460	1564	WHI12000127	52	25.3	2.8	196.8	165.8	70.77	24	1.09	130.3	6.97	1.33	0.1	71.9
122389	11/06/2012	NAD 83 - 8	6802512	590325	1558	WHI12000127	1134	279.7	4.7	480.2	89.8	226.01	41	3.91	179.9	33.27	12.02	0.1	322.8
122390	11/06/2012	NAD 83 - 8	6802721	590246	1560	WHI12000127	137	47.2	22.3	233.8	181.9	37.47	31	1.14	118.6	8.01	1.58	0.09	62.6
122391	13/06/2012	NAD 83 - 8	6804473	588878	1426	WHI12000127	541	216.6	7	328.6	76.1	65.41	22	5.39	50.7	16.65	4.73	0.27	89
122392	13/06/2012	NAD 83 - 8	6804602	588778	1351	WHI12000127	1441	58.3	2.4	525.7	35	45.32	59	3.29	19.9	34.44	2.19	0.17	39.9
122393	13/06/2012	NAD 83 - 8	6804642	588739	1339	WHI12000127	6696	173.3	11.9	335.9	30.7	42.17	457	22.24	21.1	2183.53	11.43	0.54	72.8
122394	13/06/2012	NAD 83 - 8	6804714	588629	1304	WHI12000127	419	17	0.5	238.2	48.5	12.83	23	3.32	23.9	47.28	1.4	0.17	49.7
122395	13/06/2012	NAD 83 - 8	6804807	588612	1289	WHI12000127	788	29.3	1	316.3	39.5	17.22	13	5.03	31.2	82.84	2.49	0.2	59.3
122396	13/06/2012	NAD 83 - 8	6804897	588615	1290	WHI12000127	501	18.8	0.7	153.9	19.8	8.74	23	3.87	17.2	106.17	1.76	0.26	35.1

Sample No.	Sample Date	UTM	Northing	Easting	Elevation	Certificate	Ag PPB	As PPM	Au PPB	Ba PPM	Cr PPM	Cu PPM	Hg PPB	Mo PPM	Ni PPM	Pb PPM	Sb PPM	Tl PPM	Zn PPM
122397	13/06/2012	NAD 83 - 8	6805048	588608	1284	WHI12000127	344	10.5	1.4	180.1	47.4	7.71	15	1.28	23.8	30.51	0.92	0.08	27.6
122398	13/06/2012	NAD 83 - 8	6805208	588614	1253	WHI12000127	774	83.7	1.9	434.7	221.7	30.41	21	6.53	147.2	111.33	4.14	0.27	153.5
122399	13/06/2012	NAD 83 - 8	6804739	588871	1369	WHI12000127	1945	178.7	3.8	1755.6	47.9	101.45	73	9.43	35.6	296.71	12.51	0.36	175.3
122400	13/06/2012	NAD 83 - 8	6804618	588999	1446	WHI12000127	4337	10000	1097.1	379	36.2	263.36	110	4.33	197.3	31.18	72.3	0.94	229
1300501	08/06/2012	NAD 83 - 8	6803808	588497	1095	WHI12000127	758	76.2	7.2	354.4	111.2	65.67	84	7.13	140	29.34	8	0.21	600.5
1300502	08/06/2012	NAD 83 - 8	6803806	588594	1126	WHI12000127	1497	38.5	3.2	632.8	62.5	36.32	25	8.28	61.9	50.3	8.36	0.27	200.2
1300503	08/06/2012	NAD 83 - 8	6803809	588794	1155	WHI12000127	405	81.3	3.3	178.3	52.3	51.88	6	0.96	39	11.15	0.81	0.09	78.1
1300504	08/06/2012	NAD 83 - 8	6803790	588909	1183	WHI12000127	607	229.3	15.7	289	84.5	82.31	11	5.88	198.5	19.04	3.96	0.19	1397.6
1300505	08/06/2012	NAD 83 - 8	6803803	588992	1258	WHI12000127	636	53.7	4	565.2	28	51.94	95	12.77	57.4	28.34	12.97	0.48	344.2
1300506	08/06/2012	NAD 83 - 8	6803809	589100	1314	WHI12000127	1229	32.1	4.7	928.3	16.8	34.62	127	7.21	20.1	12.77	9.25	0.3	115.8
1300507	08/06/2012	NAD 83 - 8	6803799	589196	1327	WHI12000127	1711	37	4.1	1472.1	16	39.89	88	8.14	23.7	18.69	8.25	0.29	126.4
1300508	08/06/2012	NAD 83 - 8	6803801	589300	1367	WHI12000127	1842	24	2.5	599	20.8	21.9	72	9.27	14.9	15.48	6.76	0.4	91.6
1300509	08/06/2012	NAD 83 - 8	6803802	589399	1391	WHI12000127	9439	51	8	948.9	59.3	26.71	858	21.88	19.2	24.05	13.12	0.84	67.2
1300510	08/06/2012	NAD 83 - 8	6803805	589490	1402	WHI12000127	3214	19.7	1.6	892.6	17.8	22.71	77	22.6	8.2	32.69	7.73	0.66	60.8
1300511	08/06/2012	NAD 83 - 8	6803799	589592	1427	WHI12000127	6565	55.2	1.8	420.3	30.7	18.56	380	49.46	5.9	23.32	19.92	1.19	23.9
1300512	08/06/2012	NAD 83 - 8	6803817	589693	1453	WHI12000127	1195	27.5	1.3	537.8	45	31.71	62	14.2	37	32.04	5.39	0.33	90.4
1300513	08/06/2012	NAD 83 - 8	6803799	589803	1447	WHI12000127	1045	0.4	2.7	22.9	2.5	1.87	10	0.25	1.5	0.86	0.1	0.01	5.9
1300514	08/06/2012	NAD 83 - 8	6803804	589892	1437	WHI12000127	3362	36.4	5.6	476.4	45.8	33.32	333	46.18	17.7	28.83	16.86	0.75	90.4
1300515	08/06/2012	NAD 83 - 8	6803794	589985	1414	WHI12000127	1594	62.8	5.2	390	37.7	33.72	396	36.84	23.6	41.92	13.06	0.79	89.4
1300516	09/06/2012	NAD 83 - 8	6804400	591399		WHI12000127	576	44.4	5.3	257.9	32.5	20.5	11	2.23	36.5	15.98	3.09	0.12	137.8
1300517	09/06/2012	NAD 83 - 8	6804395	591305	1263	WHI12000127	313	63	1	123.7	24.4	23.41	6	2.71	41.6	16.82	3.83	0.13	121.2
1300518	09/06/2012	NAD 83 - 8	6804403	591203	1299	WHI12000127	624	40.4	2.5	300.1	176.1	21.87	8	3.21	100.8	18.94	2.88	0.16	158.8
1300519	09/06/2012	NAD 83 - 8	6804395	591097	1319	WHI12000127	949	1.8	0.1	21.1	2.3	3.63	17	0.22	1.3	1.21	0.05	0.01	5.7
1300520	09/06/2012	NAD 83 - 8	6804391	590995	1335	WHI12000127	218	19.1	2	94.2	35.8	14.03	8	2.61	30.4	18.81	2.02	0.18	66.5
1300521	09/06/2012	NAD 83 - 8	6804397	590911	1352	WHI12000127	1162	98.8	3.2	169.1	191.8	30.73	62	9.13	113.5	31.59	5.13	0.3	98.4
1300522	09/06/2012	NAD 83 - 8	6804401	590803	1375	WHI12000127	263	0.6	0.1	10	2.4	2.76	10	0.08	1.1	1	0.03	0.01	5.5
1300523	09/06/2012	NAD 83 - 8	6804395	590697	1407	WHI12000127	477	25.3	2.8	125.8	59.5	26.31	24	1.93	44.8	28.5	2.05	0.1	74
1300524	09/06/2012	NAD 83 - 8	6804411	590501	1463	WHI12000127	1910	53.8	1.9	145.6	13.8	39.44	47	3.78	42.2	65.94	4.44	0.19	240.3
1300525	09/06/2012	NAD 83 - 8	6804405	590396	1472	WHI12000127	1705	115.5	3.2	142	18.7	61	49	4.67	32.9	36.46	5.05	0.31	160
1300526	09/06/2012	NAD 83 - 8	6804398	590297	1473	WHI12000127	677	38.3	2.7	155	10.6	19.35	11	5.47	13.7	26.61	3.31	0.21	83.1
1300527	09/06/2012	NAD 83 - 8	6804396	590201	1466	WHI12000127	4481	36.4	3.6	963.8	27.9	37.14	556	59.57	7.3	28.4	15.55	1.04	20.2
1300528	09/06/2012	NAD 83 - 8	6804400	590098	1482	WHI12000127	4262	62.9	8.6	577.4	21.5	23.36	353	18.79	13.4	27.72	7.2	0.58	48.1
1300529	09/06/2012	NAD 83 - 8	6804395	590001	1491	WHI12000127	1141	34.6	6.4	463.7	19	49.07	63	5.73	16.7	18.37	2.84	0.42	66.5
1300530	09/06/2012	NAD 83 - 8	6804398	589909	1521	WHI12000127	1613	27.3	2.2	376.6	9.5	16.83	103	10.84	7.1	37.54	3.89	0.36	35.4
1300531	09/06/2012	NAD 83 - 8	6804402	589808	1556	WHI12000127	324	44.6	4.5	180.7	9.5	51.91	7	3.29	27.3	17.72	2.03	0.16	77.8
1300532	09/06/2012	NAD 83 - 8	6804410	589703	1599	WHI12000127	193	15.5	3.9	221.2	36	57.93	26	1.7	44.3	13.21	1.37	0.1	97.2
1300533	09/06/2012	NAD 83 - 8	6804401	589602	1598	WHI12000127	419	33.9	3.1	289.7	24	56.33	30	2.93	46.3	28.38	2.53	0.23	110.3
1300534	09/06/2012	NAD 83 - 8	6804401	589502	1582	WHI12000127	180	27.4	1.5	242.9	115.7	48.52	18	1.54	60.6	14.05	1.2	0.15	90.9
1300535	10/06/2012	NAD 83 - 8	6804791	589700	1585	WHI12000127	329	51.4	4.5	194.3	36	60.66	69	2.11	35.4	26.23	1.91	0.16	110.8
1300536	10/06/2012	NAD 83 - 8	6804788	589830	1595	WHI12000127	721	31.9	3.9	266.6	17.1	107.23	84	0.67	95.8	25.78	0.71	0.1	138.2
1300537	10/06/2012	NAD 83 - 8	6805000	589799		WHI12000127	5898	220.6	14.4	139	13.6	63.29	56	2.22	9.9	884.12	8.77	0.08	58.6
1300538	10/06/2012	NAD 83 - 8	6805200	589796	1575	WHI12000127	862	57.4	1.2	156.5	9	22.45	13	2.97	22.3	131.12	2.2	0.2	127.1
1300539	10/06/2012	NAD 83 - 8	6805396	589804	1620	WHI12000127	644	25.4	1.6	246.3	19	36.82	26	3.72	39	40.09	2.41	0.25	186.8
1300540	10/06/2012	NAD 83 - 8	6805646	589715	1646	WHI12000127	276	12.8	2.5	190.7	26.8	29.62	36	2.82	21.4	19.86	1.6	0.2	74.6
1300541	10/06/2012	NAD 83 - 8	6805753	589606	1638	WHI12000127	425	18.6	1.9	198.3	24	34.16	61	3.53	15.8	25.25	1.63	0.18	53.4
1300542	10/06/2012	NAD 83 - 8	6805800	589503	1628	WHI12000127	350	12.8	3.9	190.8	26.9	41.65	24	2.87	25.4	20.92	1.82	0.17	74.8

Sample No.	Sample Date	UTM	Northing	Easting	Elevation	Certificate	Ag PPB	As PPM	Au PPB	Ba PPM	Cr PPM	Cu PPM	Hg PPB	Mo PPM	Ni PPM	Pb PPM	Sb PPM	Tl PPM	Zn PPM
1300543	10/06/2012	NAD 83 - 8	6805798	589395	1619	WHI12000127	452	11.9	2.2	182.9	26.3	25.58	35	2.17	21.7	18.4	1.29	0.13	55.8
1300544	10/06/2012	NAD 83 - 8	6805797	589293	1602	WHI12000127	721	13.1	5.1	153.6	28	31.72	59	2.19	24.5	25.8	1.14	0.15	73.2
1300545	10/06/2012	NAD 83 - 8	6805799	589207	1590	WHI12000127	620	2.2	0.7	1381.1	69.8	45.91	10	1.27	245.8	8.7	0.24	0.21	999.3
1300546	10/06/2012	NAD 83 - 8	6805797	589095	1572	WHI12000127	484	11.8	1.5	173.9	26.8	30.88	34	3.03	23.3	25.79	1.17	0.35	85.8
1300547	10/06/2012	NAD 83 - 8	6805771	589005	1531	WHI12000127	495	13.1	2	169.3	30.9	28.56	55	2.68	24.4	24.2	1.25	0.28	79.9
1300548	10/06/2012	NAD 83 - 8	6805756	588853	1485	WHI12000127	2238	73.4	4.6	170.5	14.6	40.16	58	3.29	26.2	118.24	2.26	0.23	133.7
1300549	10/06/2012	NAD 83 - 8	6805757	588755	1471	WHI12000127	986	62.8	7.6	148	14.1	29.78	40	2.84	19.7	88.82	1.43	0.21	99.7
1300550	10/06/2012	NAD 83 - 8	6805757	588652	1457	WHI12000127	1313	51.9	3.4	196.4	14.8	35.2	46	3.01	22.7	89.8	1.4	0.29	122.5
1300551	10/06/2012	NAD 83 - 8	6805754	588552	1462	WHI12000127	417	10	0.1	216.3	27.2	30.9	26	4.91	11.9	37.49	0.5	0.44	55.1
1300552	10/06/2012	NAD 83 - 8	6805750	588451	1460	WHI12000127	438	17.2	1.2	279.2	19.4	28.43	10	4.27	17.8	36.85	0.54	0.34	73.6
1300553	10/06/2012	NAD 83 - 8	6805740	588346	1451	WHI12000127	1772	13.1	1.1	235.1	29.1	49.49	39	3.14	22.9	36.23	0.66	0.55	83.7
1300554	10/06/2012	NAD 83 - 8	6805712	588224	1458	WHI12000127	1209	16.9	0.5	278.4	31.3	50.45	22	3.51	21.8	58.89	0.89	0.55	82.5
1300555	10/06/2012	NAD 83 - 8	6805200	589896	1586	WHI12000127	1075	20.6	1	60.3	8.9	12.62	40	1.17	7.8	56.17	0.87	0.09	35.8
1300556	11/06/2012	NAD 83 - 8	6802596	588395	962	WHI12000127	137	24	5.3	167.6	281.7	19.87	10	2.87	287.6	11.9	1.56	0.09	83.6
1300557	11/06/2012	NAD 83 - 8	6802607	588514	989	WHI12000127	137	1.8	0.1	22.4	8	6.25	10	0.3	44.6	1.76	0.17	0.01	37.6
1300558	11/06/2012	NAD 83 - 8	6802598	588590	1003	WHI12000127	57	24.2	0.6	80.1	304.7	23.71	15	2.57	220.2	5.69	1.04	0.05	112.5
1300559	11/06/2012	NAD 83 - 8	6802608	588695	1041	WHI12000127	79	24.7	0.8	79.4	216.1	22.05	2.5	3.36	235.6	10.78	1.54	0.07	82.5
1300560	11/06/2012	NAD 83 - 8	6802602	588802	1058	WHI12000127	133	42.5	3.4	103.9	699.7	29.41	17	1.1	611.3	7.64	1.89	0.04	43.5
1300561	11/06/2012	NAD 83 - 8	6802590	588899	1050	WHI12000127	402	81.4	6.9	215.5	44	122.94	24	1.61	152.7	14.11	2.4	0.06	60.6
1300562	11/06/2012	NAD 83 - 8	6802554	589109	1097	WHI12000127	146	42.9	2.7	116.3	528.2	57.29	25	1.72	800.5	6.88	2.38	0.07	55.5
1300563	11/06/2012	NAD 83 - 8	6802555	589208	1132	WHI12000127	332	713.3	20.5	106	486.5	19.67	43	0.87	1864.4	8.01	30.28	0.24	32.8
1300564	11/06/2012	NAD 83 - 8	6802534	589296	1149	WHI12000127	57	25	2.1	51.2	643.1	40.56	14	0.68	675.4	4.32	1.84	0.03	30.9
1300565	11/06/2012	NAD 83 - 8	6802597	589396	1173	WHI12000127	230	132.2	13.7	102.3	478.7	53.01	34	0.74	545	5.01	2.65	0.04	60.6
1300566	11/06/2012	NAD 83 - 8	6802591	589488	1219	WHI12000127	99	23.9	61.6	77.7	380.8	22.55	24	0.44	410.1	2.88	1.47	0.03	29.6
1300567	11/06/2012	NAD 83 - 8	6802600	589599	1278	WHI12000127	189	79	1.4	114.3	645.5	43.53	28	0.6	602	4.74	2.85	0.04	53.6
1300568	11/06/2012	NAD 83 - 8	6802601	589693	1334	WHI12000127	80	36.5	13.2	95.6	709.8	47.58	28	0.7	725	5.13	2.7	0.05	43.8
1300569	11/06/2012	NAD 83 - 8	6802638	589777	1374	WHI12000127	58	45.1	1.8	80.5	686.2	39.34	24	0.59	449.9	3.9	2.15	0.04	45.2
1300570	11/06/2012	NAD 83 - 8	6802605	589901	1422	WHI12000127	113	40.8	0.8	157.8	401.4	39.16	8	0.7	236.2	4.43	1.65	0.05	65.4
1300571	11/06/2012	NAD 83 - 8	6802608	590004	1464	WHI12000127	194	10.4	0.1	53.2	12.6	8.28	15	0.19	10.5	1.72	0.3	0.01	9.9
1300572	11/06/2012	NAD 83 - 8	6802596	590069	1489	WHI12000127	417	205	6.9	146.8	114.8	37.02	34	1.15	97.9	6.65	3.65	0.09	70.3
1300573	11/06/2012	NAD 83 - 8	6802579	590198	1535	WHI12000127	99	35.3	0.7	200.6	100.3	46.26	34	1.25	72.4	6.88	1.42	0.08	87.4
1300574	11/06/2012	NAD 83 - 8	6802606	590297	1553	WHI12000127	99	43.3	7.9	284.4	210.3	68.67	18	1.14	160.8	7.51	1.36	0.12	79.1
1300575	12/06/2012	NAD 83 - 8	6805366	588446	1192	WHI12000127	852	1.8	0.1	138.2	7.2	13.22	33	1.13	6.6	20.37	0.16	0.11	66.9
1300576	12/06/2012	NAD 83 - 8	6805304	588518	1195	WHI12000127	1097	81.6	4.1	354.6	158.8	45.69	76	6.44	196.6	97.84	4.66	0.22	155.5
1300577	12/06/2012	NAD 83 - 8	6805277	588616	1225	WHI12000127	803	59.4	2.7	199.4	129.1	30.31	40	5.04	115.6	70.23	3.04	0.17	93.3
1300578	12/06/2012	NAD 83 - 8	6805215	588703	1247	WHI12000127	861	79.3	0.8	447.4	151.2	37.21	41	7.17	148.5	124.82	3.98	0.24	125
1300579	12/06/2012	NAD 83 - 8	6805295	588869	1275	WHI12000127	1435	49.3	1.3	174.9	23.7	28.23	21	3	26.1	104.25	1.37	0.2	106
1300580	12/06/2012	NAD 83 - 8	6805399	588898	1314	WHI12000127	1233	19.3	4.2	248.8	13.6	28.9	22	2.79	19.9	62.15	0.91	0.23	150.5
1300581	12/06/2012	NAD 83 - 8	6805393	588996	1334	WHI12000127	694	39.7	0.1	176.4	17.8	27.39	10	3.39	31.7	67.52	1.23	0.18	146.9
1300582	12/06/2012	NAD 83 - 8	6805406	589092	1360	WHI12000127	797	44.4	0.5	325.6	18.3	21.78	13	2.6	20.1	68.19	1.62	0.14	104
1300583	12/06/2012	NAD 83 - 8	6805409	589202	1387	WHI12000127	567	5.4	0.1	61.6	7.7	6.95	19	0.93	6.2	12.13	0.44	0.05	32.3
1300584	12/06/2012	NAD 83 - 8	6805409	589286	1416	WHI12000127	296	27.4	0.3	92.4	20.8	22.7	10	2.01	25.8	29.55	1.53	0.1	98.9
1300585	12/06/2012	NAD 83 - 8	6805400	589388	1464	WHI12000127	283	16.2	1.7	74	7.2	11.36	16	1.22	7.1	22.05	0.62	0.07	40.5
1300586	12/06/2012	NAD 83 - 8	6805409	589499	1513	WHI12000127	241	16.7	2.4	116.9	12.5	16.72	20	1.79	13.2	16.92	0.96	0.1	65.7
1300587	12/06/2012	NAD 83 - 8	6805429	589602	1565	WHI12000127	275	2.2	0.6	81.8	4.9	10.84	21	0.71	3.6	4.82	0.34	0.05	18.9
1300588	12/06/2012	NAD 83 - 8	6805441	589720	1612	WHI12000127	431	20.3	2.1	146.6	20.5	34.82	33	2.89	31.4	27.02	1.65	0.19	140.4

Sample No.	Sample Date	UTM	Northing	Easting	Elevation	Certificate	Ag PPB	As PPM	Au PPB	Ba PPM	Cr PPM	Cu PPM	Hg PPB	Mo PPM	Ni PPM	Pb PPM	Sb PPM	Tl PPM	Zn PPM
1300589	13/06/2012	NAD 83 - 8	6805323	591623	1082	WHI12000127	132	19.3	2.2	267.4	63	30.31	12	2.39	78	11.37	1.76	0.12	105.8
1300590	13/06/2012	NAD 83 - 8	6805349	591690	1060	WHI12000127	457	18.7	1.6	143.7	53.1	24.9	15	2.25	63.3	12.78	1.88	0.1	121
1300591	13/06/2012	NAD 83 - 8	6805269	591546	1113	WHI12000127	294	9.9	0.3	111.9	44.7	12.26	11	1.73	32.4	8.51	0.9	0.09	80.6
1300592	13/06/2012	NAD 83 - 8	6805224	591461	1148	WHI12000127	735	74.4	2.2	141.5	28.7	27.52	15	3.03	36.2	33.1	2.31	0.14	141.1
1300593	13/06/2012	NAD 83 - 8	6805163	591382	1192	WHI12000127	114	2.4	0.1	25.8	4.8	3.2	12	0.38	3.1	3.27	0.28	0.03	11.7
1300594	13/06/2012	NAD 83 - 8	6805137	591286	1242	WHI12000127	531	39.1	1.7	116.1	20.1	20.79	11	2.81	35	26.04	2.45	0.12	126
1300595	13/06/2012	NAD 83 - 8	6805127	591183	1297	WHI12000127	435	2.9	0.1	42.1	3.3	8.97	11	0.7	5.3	5.05	0.29	0.03	29.7
1300596	13/06/2012	NAD 83 - 8	6805112	591081	1340	WHI12000127	528	4.5	0.1	166.9	9.8	26.13	24	3.06	15.1	30.03	0.65	0.16	96.8
1300597	13/06/2012	NAD 83 - 8	6805098	590987	1386	WHI12000127	353	2.3	0.1	71.8	6.2	11.32	13	1.01	5.8	5.97	0.5	0.05	30.8
1300598	13/06/2012	NAD 83 - 8	6805104	590887	1419	WHI12000127	1306	35.6	1.7	113.3	59.1	36.03	68	2.25	43.7	14.95	2.3	0.17	105.3
1300599	13/06/2012	NAD 83 - 8	6805072	590798	1438	WHI12000127	417	12.1	0.1	92.5	5.1	11.46	18	1.18	3.8	8.39	0.78	0.1	16.4
1300600	13/06/2012	NAD 83 - 8	6805078	590700	1459	WHI12000127	558	56.3	2.6	148.9	15.6	17.9	15	2.14	18	19.73	1.79	0.15	72.2
1300601	08/06/2012	NAD 83 - 8	6803396	588403	1084	WHI12000127	787	167.6	6.5	304	274.6	96.2	95	29.62	1206.2	36.49	7	0.36	8277.4
1300602	08/06/2012	NAD 83 - 8	6803404	588501	1096	WHI12000127	422	85	5.9	160.6	435	62.44	48	9.7	531.3	26.15	5.13	0.2	1762.5
1300603	08/06/2012	NAD 83 - 8	6803395	588597	1110	WHI12000127	742	417.2	10.6	144.8	286.6	65.8	79	7.48	429.7	40.02	5.99	0.39	1777.9
1300604	08/06/2012	NAD 83 - 8	6803394	588800	1169	WHI12000127	763	67.9	3.7	306.4	193.9	48.14	17	2.39	264.3	14.37	2.45	0.15	473.8
1300605	08/06/2012	NAD 83 - 8	6803400	588899		WHI12000127	705	235.6	7.2	215.8	290.3	70.92	26	7.06	331.9	34.41	7.61	0.19	875
1300606	08/06/2012	NAD 83 - 8	6803402	588999	1252	WHI12000127	1104	52.5	6.4	269	68.4	41.94	24	6.87	76.5	31.33	10.18	0.36	332.4
1300607	08/06/2012	NAD 83 - 8	6803406	589094	1283	WHI12000127	402	23.7	2.4	319.6	116.4	20.03	8	2.93	84.9	13.75	4.63	0.2	234.7
1300608	08/06/2012	NAD 83 - 8	6803382	589196	1317	WHI12000127	334	27.6	1.4	206	58.3	28.25	12	5.57	53.6	13.23	4.69	0.15	218.6
1300609	08/06/2012	NAD 83 - 8	6803354	589297	1343	WHI12000127	416	27.6	3.4	373.7	87.6	29.07	12	4.24	78.3	13.75	5.21	0.22	385.5
1300610	08/06/2012	NAD 83 - 8	6803325	589401	1379	WHI12000127	156	22.8	12	192.9	331.6	26.63	13	1.22	276.9	8.87	1.35	0.07	139.8
1300611	08/06/2012	NAD 83 - 8	6803291	589504	1400	WHI12000127	249	43.8	7.8	260	337	27.47	21	1.52	318.4	6.79	2.03	0.09	280
1300612	08/06/2012	NAD 83 - 8	6803287	589603		WHI12000127	1438	21.2	4.6	276.7	20.5	25.61	281	9.44	22.4	17.17	9	0.37	153.7
1300613	08/06/2012	NAD 83 - 8	6803301	589705		WHI12000127	1035	20.7	2.6	219.7	21.1	21.35	96	3	43.9	11.51	4.98	0.21	237.5
1300614	08/06/2012	NAD 83 - 8	6803307	589805		WHI12000127	4246	155.3	10.4	230.9	29.8	62.61	1945	31.03	98.3	21.71	44.56	1.11	534.8
1300615	08/06/2012	NAD 83 - 8	6803346	589904	1470	WHI12000127	1509	98.6	8.4	458.1	22.8	59.67	32	6.39	39.2	29.45	15.76	0.26	185.1
1300616	08/06/2012	NAD 83 - 8	6803387	589996	1471	WHI12000127	1152	72.3	2.1	196.4	60.9	30.46	35	4.53	40.9	13.89	4.71	0.16	83.1
1300617	08/06/2012	NAD 83 - 8	6803493	590012	1465	WHI12000127	7572	48.5	8.7	1259.8	45.5	29.01	136	5.99	29.7	18.97	10.86	0.2	75.3
1300618	08/06/2012	NAD 83 - 8	6803479	589910	1475	WHI12000127	912	41	2.2	453	16.1	15.38	27	7.72	10.7	15.36	7.55	0.24	50.8
1300619	08/06/2012	NAD 83 - 8	6803437	589815		WHI12000127	7545	125.9	12.3	703	27	38.69	2376	52.35	14.6	22.83	35.1	0.82	90.5
1300620	09/06/2012	NAD 83 - 8	6804203	591392	1163	WHI12000127	219	26.5	2.1	238.7	94.9	48.68	10	2.09	80.7	12.18	1.66	0.09	108.4
1300621	09/06/2012	NAD 83 - 8	6804199	591300	1206	WHI12000127	755	100.6	4.3	478.9	23.3	27.33	37	2.96	44.6	22.35	2.22	0.11	257.3
1300622	09/06/2012	NAD 83 - 8	6804204	591202	1235	WHI12000127	371	29.6	1.2	1093.5	77.6	26.8	18	2.86	71.6	26.08	2.06	0.15	136.2
1300623	09/06/2012	NAD 83 - 8	6804201	591104	1268	WHI12000127	688	27.7	4.2	863.8	116	31.59	25	2.97	105.5	44.85	2.35	0.16	169.6
1300624	09/06/2012	NAD 83 - 8	6804202	591000	1299	WHI12000127	367	31	2.6	308.7	11.2	25.13	2.5	2.15	35.1	19.65	1.98	0.17	184.2
1300625	09/06/2012	NAD 83 - 8	6804200	590895	1318	WHI12000127	670	41.6	0.6	245.2	19.2	14.44	18	4.63	24.8	30.52	3.65	0.19	97.5
1300626	09/06/2012	NAD 83 - 8	6804198	590794	1335	WHI12000127	1576	66.3	2.6	638.5	65	34.7	24	4.32	63.9	52.78	4.37	0.19	126.9
1300627	09/06/2012	NAD 83 - 8	6804204	590698	1356	WHI12000127	2023	57.4	6.4	340.2	20	29.91	29	3.22	20.3	210.19	4.06	0.31	113.5
1300628	09/06/2012	NAD 83 - 8	6804208	590599	1373	WHI12000127	827	33.5	24.1	294.7	73	39.26	19	2.48	65.1	37	2.85	0.14	103.6
1300629	09/06/2012	NAD 83 - 8	6804204	590497	1375	WHI12000127	1047	55.7	3.3	261.5	32.9	30.78	29	2.33	34.6	46.57	3.43	0.14	177.2
1300630	09/06/2012	NAD 83 - 8	6804204	590403	1375	WHI12000127	1127	43	2.2	233.6	34.6	29.24	19	2.37	33.3	31	3.25	0.13	122
1300631	09/06/2012	NAD 83 - 8	6804206	590300	1370	WHI12000127	575	25.4	1.2	277.3	24.3	29.36	15	2.33	24.9	25.41	2.42	0.21	176.8
1300632	09/06/2012	NAD 83 - 8	6804199	590201	1371	WHI12000127	547	32.7	1.3	214.7	11.2	21.36	11	4.1	12.7	31.02	2.46	0.21	79.1
1300633	09/06/2012	NAD 83 - 8	6804201	590107		WHI12000127	652	37.4	3.2	491.7	24.7	38.85	47	6.58	24	28.43	2.8	0.23	88.3
1300634	09/06/2012	NAD 83 - 8	6804207	589995	1434	WHI12000127	4037	41.6	3.6	380.1	24	25.82	172	10.16	16.6	35.24	5.91	0.29	58.6

Sample No.	Sample Date	UTM	Northing	Easting	Elevation	Certificate	Ag PPB	As PPM	Au PPB	Ba PPM	Cr PPM	Cu PPM	Hg PPB	Mo PPM	Ni PPM	Pb PPM	Sb PPM	Tl PPM	Zn PPM
1300635	09/06/2012	NAD 83 - 8	6804203	589896	1483	WHI12000127	2392	40.6	3.2	321.7	23.9	22.72	136	15.57	16.2	52.07	6	0.36	72.7
1300636	09/06/2012	NAD 83 - 8	6804209	589807	1531	WHI12000127	2447	63.1	3.7	233.3	13.9	38.45	116	7.63	24.7	180.5	7.12	0.31	133.4
1300637	09/06/2012	NAD 83 - 8	6804202	589702		WHI12000127	219	55.9	2.3	160.7	26.7	61.36	24	3.47	67.4	40.79	2.1	0.15	149.2
1300638	09/06/2012	NAD 83 - 8	6804189	589624	1575	WHI12000127	381	56.2	6.9	248.3	34.4	75.64	182	1.16	51.4	7.81	1.13	0.11	109.9
1300639	10/06/2012	NAD 83 - 8	6805582	589800	1656	WHI12000127	281	17.5	2.1	126.7	18.9	29.81	38	2.31	25.5	18.23	1.1	0.14	120.8
1300640	10/06/2012	NAD 83 - 8	6805599	589896		WHI12000127	142	30.7	2.5	156.7	21.8	43.51	30	5	19.7	17.44	2.14	0.18	74.6
1300641	10/06/2012	NAD 83 - 8	6805546	589984	1634	WHI12000127	350	15.1	4.7	162.1	23.1	30.99	50	2.5	20.5	26.06	1.77	0.14	84
1300642	10/06/2012	NAD 83 - 8	6805556	590090		WHI12000127	269	14.5	3.4	211.6	23.8	34.08	42	1.93	22	20.48	1.67	0.13	77.2
1300643	10/06/2012	NAD 83 - 8	6805547	590193	1596	WHI12000127	409	15.4	3.8	393.9	17.1	57.13	33	2.78	31.8	42.22	2.64	0.15	156
1300644	10/06/2012	NAD 83 - 8	6805578	590296	1573	WHI12000127	356	27.8	2	139.6	22	38.18	29	2	29	28.93	1.83	0.12	113.2
1300645	10/06/2012	NAD 83 - 8	6805601	590397	1528	WHI12000127	249	18.9	4.3	120.3	31.2	25	44	1.93	24.5	23.43	1.13	0.1	99.7
1300646	10/06/2012	NAD 83 - 8	6805593	590501	1468	WHI12000127	560	31.7	2.5	143.8	25.5	33.36	29	2.08	26.1	33.33	1.28	0.13	98.8
1300647	10/06/2012	NAD 83 - 8	6805503	590493		WHI12000127	443	40.1	4	127.7	18.5	24.71	14	2.6	25.7	29.95	2.12	0.13	127.1
1300648	10/06/2012	NAD 83 - 8	6805401	590497	1457	WHI12000127	409	23.6	2.5	178.8	20.7	24.5	22	2.2	20.5	26.98	1.37	0.12	103.5
1300649	10/06/2012	NAD 83 - 8	6805198	590505	1491	WHI12000127	788	30.6	1.8	180.4	13.6	72.58	39	2.98	33.4	30.18	1.99	0.31	210.5
1300650	10/06/2012	NAD 83 - 8	6805092	590512	1469	WHI12000127	742	46.5	2.9	113.9	13.9	29.19	29	2.4	30.6	22.93	1.95	0.14	170.5
1300651	10/06/2012	NAD 83 - 8	6805097	590608	1475	WHI12000127	751	30.8	1.9	125.2	21.9	25.35	29	2.37	26.3	21.53	1.94	0.14	128.4
1300652	10/06/2012	NAD 83 - 8	6805101	590704	1460	WHI12000127	175	41.2	1.2	44.8	5.5	13.66	19	1.2	5.9	4.66	1.3	0.07	29
1300653	10/06/2012	NAD 83 - 8	6805203	590599	1476	WHI12000127	1154	15.3	3.6	122.7	27	29.21	45	1.9	32.8	16.4	1.91	0.21	124.7
1300654	10/06/2012	NAD 83 - 8	6805308	590423	1488	WHI12000127	604	28.5	1.5	146.4	18.5	21.71	25	2.17	16.2	77.22	1.05	0.18	76.1
1300655	10/06/2012	NAD 83 - 8	6805398	590395	1504	WHI12000127	160	12.6	1.4	107.3	22.1	19.5	16	1.94	17.3	22.01	1.02	0.15	80.8
1300656	10/06/2012	NAD 83 - 8	6805403	590298	1544	WHI12000127	307	17.2	2.8	182.3	24.5	25.71	33	2.06	20.4	20.28	0.98	0.14	82.3
1300657	10/06/2012	NAD 83 - 8	6805402	590199	1571	WHI12000127	342	19.8	3.3	160.6	22.6	25.4	22	2.51	24.8	22.86	1.32	0.15	114.5
1300658	10/06/2012	NAD 83 - 8	6805396	590092	1587	WHI12000127	214	21.4	7.3	181.2	24.9	29.29	20	2.19	31	23.51	1.35	0.17	132.1
1300659	10/06/2012	NAD 83 - 8	6805396	589999	1605	WHI12000127	218	18.2	11.6	148.3	22	26.18	25	2.18	24.3	21.88	1.39	0.14	111.9
1300660	10/06/2012	NAD 83 - 8	6805399	589896		WHI12000127	286	20.4	2.1	137.8	22.7	31.61	39	2.25	28.5	23.03	1.64	0.18	136.2
1300661	10/06/2012	NAD 83 - 8	6805012	589887		WHI12000132	4658	349.2	13	300.6	9.6	43.75	62	3.36	4.7	336.08	5.85	0.29	38
1300662	10/06/2012	NAD 83 - 8	6804798	589900	1567	WHI12000132	959	34.8	9.4	220.1	18.5	93.72	49	1.49	55.3	21.9	2.35	0.12	161.3
1300663	11/06/2012	NAD 83 - 8	6802195	588800	1059	WHI12000132	162	38	3.4	120.5	204	37.1	21	4.25	298.7	9.81	2.78	0.12	164.3
1300664	11/06/2012	NAD 83 - 8	6802201	588902	1103	WHI12000132	789	25.9	38.2	89.1	64.3	31.37	19	4.12	97.5	18.48	2.5	0.13	159
1300665	11/06/2012	NAD 83 - 8	6802205	588998	1144	WHI12000132	147	31	4.5	137.3	525.5	44.63	44	2.89	749	8.14	3.18	0.1	86.3
1300666	11/06/2012	NAD 83 - 8	6802209	589097	1175	WHI12000132	58	92	1.5	293.2	263.8	23.91	5	3.71	344.8	8.6	11.18	0.11	139.2
1300667	11/06/2012	NAD 83 - 8	6802156	589189	1196	WHI12000132	45	40.6	2.9	139	576.2	22.03	7	1.62	670.4	5.41	7.7	0.06	88.2
1300668	11/06/2012	NAD 83 - 8	6802119	589279	1229	WHI12000132	28	13.6	1	150.6	318.4	18.81	5	1.27	224.6	5.9	1.49	0.07	68.9
1300669	11/06/2012	NAD 83 - 8	6802056	589367	1266	WHI12000132	36	19.4	5.5	85.5	473.8	63.03	11	1.29	450.3	5.3	1.85	0.07	48.3
1300670	11/06/2012	NAD 83 - 8	6802030	589472	1293	WHI12000132	33	16.4	0.2	89.4	310.2	46.18	19	0.56	249.4	4.46	1.34	0.2	62
1300671	11/06/2012	NAD 83 - 8	6802057	589581	1321	WHI12000132	28	9.1	2.5	120	422.4	17.04	13	0.79	392.8	5.57	1.2	0.03	50.6
1300672	11/06/2012	NAD 83 - 8	6802053	589684	1350	WHI12000132	33	11.6	33.3	94.1	628.1	21.09	19	0.63	506.5	5.15	3.1	0.04	35.1
1300673	11/06/2012	NAD 83 - 8	6802040	589797	1382	WHI12000132	19	17.7	2.1	105.9	597.6	18.74	13	0.6	377	3.32	1.54	0.04	38.8
1300674	11/06/2012	NAD 83 - 8	6802010	589896	1417	WHI12000132	28	25.4	1.9	114.7	472.8	17.14	16	0.74	401.5	5.32	2.23	0.07	41.7
1300675	11/06/2012	NAD 83 - 8	6801990	589993	1444	WHI12000132	22	28.6	2.9	10.4	1111.6	12.73	24	0.04	2025.2	0.24	4.04	0.01	6.7
1300676	11/06/2012	NAD 83 - 8	6802093	590033	1448	WHI12000132	37	36.2	2.9	126.3	780.2	27.97	17	1.02	707	4.56	2.93	0.05	47.8
1300677	11/06/2012	NAD 83 - 8	6802200	590099		WHI12000132	58	21.7	5	147.7	556.9	25.92	17	0.54	502.9	4.46	2.36	0.04	47.5
1300678	11/06/2012	NAD 83 - 8	6802212	590196	1486	WHI12000132	59	32.1	4.9	82.8	688.6	46.01	28	0.34	889	2.59	2.51	0.03	36
1300679	11/06/2012	NAD 83 - 8	6802216	590304	1493	WHI12000132	44	67.7	0.7	206.6	351.9	20.88	16	0.7	325.5	5.7	6.06	0.05	42.7
1300680	11/06/2012	NAD 83 - 8	6802242	590394	1524	WHI12000132	86	41	0.8	139.4	30.7	66.37	27	1.29	48	9.85	2.42	0.06	69.2

Sample No.	Sample Date	UTM	Northing	Easting	Elevation	Certificate	Ag PPB	As PPM	Au PPB	Ba PPM	Cr PPM	Cu PPM	Hg PPB	Mo PPM	Ni PPM	Pb PPM	Sb PPM	Tl PPM	Zn PPM
1300681	12/06/2012	NAD 83 - 8	6806001	591601	1140	WHI12000132	283	14	0.9	322.9	55.8	28.69	16	2.94	68	20.78	2.18	0.13	192.1
1300682	12/06/2012	NAD 83 - 8	6806000	591500	1164	WHI12000132	581	11.1	1.5	189.3	49.5	26.4	17	3.04	51.2	21.33	1.9	0.12	257.6
1300683	12/06/2012	NAD 83 - 8	6806001	591398	1179	WHI12000132	388	16.1	0.8	154.9	61.1	23.83	15	3.33	46.7	20.83	2.07	0.12	120.1
1300684	12/06/2012	NAD 83 - 8	6806004	591302	1222	WHI12000132	270	14.1	0.4	337.5	37.3	22.83	13	3.14	33.9	25.21	1.97	0.11	100.9
1300685	12/06/2012	NAD 83 - 8	6805980	591201		WHI12000132	427	5.7	0.1	103.8	5.1	9.59	8	6.16	6.3	5	2.34	0.07	27.9
1300686	12/06/2012	NAD 83 - 8	6805929	591106	1286	WHI12000132	1664	106	1.8	561.4	29.8	53.42	52	34.76	35.3	22.64	7.3	0.72	57.2
1300687	12/06/2012	NAD 83 - 8	6805897	591004		WHI12000132	331	22.6	0.7	182.7	16.1	43.74	17	24.1	54.7	22.57	7.48	0.23	244.2
1300688	12/06/2012	NAD 83 - 8	6805881	590909	1327	WHI12000132	467	62.8	3.4	2065.5	12.4	32.5	126	71.02	4.2	29.21	12.45	1.98	18.6
1300689	12/06/2012	NAD 83 - 8	6805836	590812	1355	WHI12000132	1088	70.7	2.2	152.1	6.8	28.11	62	38.05	46.9	20.04	9.52	0.26	150.3
1300690	12/06/2012	NAD 83 - 8	6805809	590717	1385	WHI12000132	496	21.4	1.8	132.6	37.6	35.25	49	3.16	40	28.31	2.42	0.13	111.7
1300691	12/06/2012	NAD 83 - 8	6805781	590613	1425	WHI12000132	494	17.2	3.1	135.9	25.4	34.03	65	3.3	46.7	33.29	2.37	0.11	175.3
1300692	12/06/2012	NAD 83 - 8	6805757	590514	1466	WHI12000132	531	20.2	2.5	117	21.6	31.4	42	2.64	19.3	53.39	2.35	0.11	97.6
1300693	12/06/2012	NAD 83 - 8	6805718	590415	1517	WHI12000132	381	33.8	2.5	134.8	19	34.88	34	2.81	27.9	47.36	1.96	0.12	121.3
1300694	12/06/2012	NAD 83 - 8	6805673	590319	1549	WHI12000132	288	19.8	2.5	172.9	25.8	42.14	22	2.59	28.6	32.7	1.96	0.15	106.6
1300695	13/06/2012	NAD 83 - 8	6805607	591896	1026	WHI12000132	427	17	1.9	334.8	101.2	28.22	19	3.1	114.5	20.81	1.92	0.13	107.8
1300696	13/06/2012	NAD 83 - 8	6805604	591803	1024	WHI12000132	334	13.1	0.8	190.9	202.9	28.65	7	2.39	170.6	12.98	1.72	0.1	119.7
1300697	13/06/2012	NAD 83 - 8	6805599	591701	1062	WHI12000132	932	15.6	1.1	224.6	68.3	24.49	18	2.54	75.7	18.86	2.07	0.08	184.2
1300698	13/06/2012	NAD 83 - 8	6805594	591601		WHI12000132	1986	25	21.8	268.9	70.2	36.99	55	4.07	79.9	22.16	1.92	0.15	181
1300699	13/06/2012	NAD 83 - 8	6805605	591505	1134	WHI12000132	313	13.9	5.4	167.4	23.4	46.37	23	3.37	35.8	25.56	1.87	0.08	161.1
1300700	13/06/2012	NAD 83 - 8	6805599	591397	1174	WHI12000132	1019	14.3	3.7	136.7	61	21.25	22	2.66	77.8	19.3	1.56	0.1	197.9
1300751	09/06/2012	NAD 83 - 8	6804053	589813	1521	WHI12000132	1477	27.6	2.5	721.7	44.7	19.6	172	53.07	21.5	38.84	12.57	1.82	43.8
1300752	09/06/2012	NAD 83 - 8	6804098	589905	1498	WHI12000132	3681	35.9	2.6	562.1	62	60.43	3988	262.24	14.1	30.25	27.81	2.82	14.1
1300753	09/06/2012	NAD 83 - 8	6804206	589742	1570	WHI12000132	615	18.3	2.6	175.8	14.6	47.32	22	7.3	34.7	28.94	2.52	0.33	94.1
1300754	10/06/2012	NAD 83 - 8	6803820	590261	1331	WHI12000132	2465	34.3	1.9	239.9	37.3	26.8	48	8.65	30.8	27.08	5.79	0.22	116
1300755	10/06/2012	NAD 83 - 8	6803763	590387	1308	WHI12000132	2491	70.5	7.4	415.2	30.9	48.65	125	14.03	31.2	74.51	8.46	0.31	131
1300756	10/06/2012	NAD 83 - 8	6803842	590527	1282	WHI12000132	1877	28.4	9.8	1585.5	40.5	54.9	253	92.75	278.5	51.86	6.23	1.24	1349.6
1300757	10/06/2012	NAD 83 - 8	6803848	591322	1247	WHI12000132	579	59.3	2	265.2	20	20.28	42	2.92	32.3	24.11	1.21	0.08	76.4
1300758	10/06/2012	NAD 83 - 8	6803617	590932	1339	WHI12000132	4683	52.9	3.6	469.1	32.4	35.22	126	31.19	33.4	29.51	11.59	0.54	121.8
1300759	10/06/2012	NAD 83 - 8	6803530	590768	1357	WHI12000132	17211	37.7	5.6	1707.4	90.9	28.15	525	19.65	20.8	45.27	12.41	0.38	49.6
1300760	10/06/2012	NAD 83 - 8	6803472	590688	1368	WHI12000132	4222	31.4	3	563.3	132.2	39.9	1013	41.88	14	57.8	15	2.3	31.3
1300761	10/06/2012	NAD 83 - 8	6803407	590656	1384	WHI12000132	3398	44.9	1.4	359.4	34.6	25	76	30.58	16.1	30.85	12.13	1.15	93.3
1300762	11/06/2012	NAD 83 - 8	6802331	590370	1534	WHI12000132	50	26.9	0.9	261.6	104.4	126.38	20	1.08	87.6	2.99	1.13	0.08	97.1
1300763	11/06/2012	NAD 83 - 8	6804639	589830		WHI12000132	504	42.2	4.9	229.4	13.5	61.83	40	4.88	27.3	23.88	2.61	0.15	79.9
1300801	13/06/2012	NAD 83 - 8	6805120	590599	1472	WHI12000127	516	20.2	3.5	122.3	15.2	32.47	27	2.9	17.1	22.14	1.79	0.16	87.8
1300802	13/06/2012	NAD 83 - 8	6805136	590474	1470	WHI12000127	1211	69.7	0.9	153.7	18.8	54.86	40	3.24	28.5	31.9	2.23	0.25	166.7
1300803	13/06/2012	NAD 83 - 8	6805090	590392	1425	WHI12000127	1120	13.9	0.1	137.6	8	14.67	23	1.83	10.6	16.59	0.89	0.11	73.8
1300804	13/06/2012	NAD 83 - 8	6805026	590318	1409	WHI12000127	2718	61.7	2.1	213.7	12.1	32.45	33	2.83	21.1	131.02	2.47	0.27	116.8
1300805	13/06/2012	NAD 83 - 8	6805006	590195	1452	WHI12000127	923	29.6	0.4	147	14.2	28.89	26	2.42	15.7	45.58	1.38	0.23	86.7
1300806	13/06/2012	NAD 83 - 8	6804997	590108	1480	WHI12000127	2604	38.9	0.8	154	16.3	24.34	44	2.45	12.3	162.88	1.99	0.27	79.8
1300807	13/06/2012	NAD 83 - 8	6805005	590001	1514	WHI12000127	3604	67.8	1.3	152.3	11.3	39.45	69	4.16	21.3	154.39	2.75	0.45	201.5
1300808	14/06/2012	NAD 83 - 8	6804195	588411	1248	WHI12000127	1137	47.5	0.4	197	36.4	17.86	16	4.1	28.7	27.86	2.57	0.32	192.7
1300809	14/06/2012	NAD 83 - 8	6804205	588489	1273	WHI12000127	2056	187.3	1.5	524.3	13.5	17.72	102	7.81	2.4	50.57	4.13	0.35	7.1
1300810	14/06/2012	NAD 83 - 8	6804210	588588	1304	WHI12000127	698	26.4	0.1	546.4	207.9	12.55	21	3.5	137.7	128.04	2.25	0.14	221.6
1300811	14/06/2012	NAD 83 - 8	6804213	588690	1316	WHI12000127	1850	16.6	0.2	266.7	53.7	12.08	26	4.74	38.7	72.96	1.65	0.13	103.4
1300812	14/06/2012	NAD 83 - 8	6804204	588793	1325	WHI12000127	263	80.3	1.9	330.2	58.4	62.26	17	0.84	31.5	6.13	1.01	0.07	170.7
1300813	14/06/2012	NAD 83 - 8	6804183	588854	1344	WHI12000127	3246	671.9	92.3	491.2	54.1	221.2	42	1.25	44.7	15.3	3.89	0.19	120.6

Sample No.	Sample Date	UTM	Northing	Easting	Elevation	Certificate	Ag PPB	As PPM	Au PPB	Ba PPM	Cr PPM	Cu PPM	Hg PPB	Mo PPM	Ni PPM	Pb PPM	Sb PPM	Tl PPM	Zn PPM
1300814	14/06/2012	NAD 83 - 8	6804134	588964	1339	WHI12000127	4000	135.2	4.7	470.2	79	234.18	99	2.25	136	95.23	2.76	0.14	248.5
1300815	14/06/2012	NAD 83 - 8	6804194	589103	1438	WHI12000127	490	26.9	2.7	555.4	40.7	115.18	21	7.44	35.2	15.25	2.82	0.32	68.6
1300816	14/06/2012	NAD 83 - 8	6804212	589188	1485	WHI12000127	710	17.5	4.6	618	28.4	31.57	40	7.84	18.1	17.6	3.87	0.31	62.4
1300817	14/06/2012	NAD 83 - 8	6804234	589289	1522	WHI12000127	170	5.7	0.3	218.3	58.5	123.35	41	2.08	34.4	7.52	0.8	0.08	130.5
1300818	14/06/2012	NAD 83 - 8	6804192	589391	1537	WHI12000127	200	7	1	962.4	172	76.72	30	1.9	73.9	7.73	0.74	0.17	61.4
1300819	14/06/2012	NAD 83 - 8	6804599	589718	1604	WHI12000127	477	42	3.8	292.5	29.5	46.06	40	5.22	26.4	35.35	2.61	0.18	66.8
1300820	15/06/2012	NAD 83 - 8	6803800	591199		WHI12000127	436	26.3	2.1	245.1	13.3	30.98	23	4.6	11.7	23.31	2.03	0.18	37
1300821	15/06/2012	NAD 83 - 8	6803798	591287	1263	WHI12000127	164	17.2	1.7	119.5	4.4	15.42	10	0.52	16.5	3.87	2.41	0.04	58.8
1300822	15/06/2012	NAD 83 - 8	6803800	591395	1247	WHI12000127	804	25.5	2.3	129.3	31.4	25.7	21	2.33	40	13.38	2.26	0.08	150.1
1300823	15/06/2012	NAD 83 - 8	6803803	591497	1225	WHI12000127	456	22.5	1.5	138.7	23.9	19.8	15	2.34	29.9	12.67	2.05	0.09	103.2
1300824	15/06/2012	NAD 83 - 8	6803805	591692	1184	WHI12000127	473	18.1	2	179.9	26.7	11.52	19	1.93	19.5	13.14	0.98	0.08	69.5
1300825	15/06/2012	NAD 83 - 8	6803802	591796	1153	WHI12000127	477	17.8	0.6	174.7	36.6	22.08	18	2.46	36	14.82	1.54	0.09	102.6
1300826	15/06/2012	NAD 83 - 8	6803806	591899	1127	WHI12000127	714	17.1	3	75.7	29.8	18.48	14	2.2	32.2	12.04	1.88	0.06	71.3
1300827	15/06/2012	NAD 83 - 8	6803628	591892	1088	WHI12000127	624	20.4	1.4	135.5	32.3	25.27	23	2.36	52.1	11.41	2.01	0.08	165.8
1300828	15/06/2012	NAD 83 - 8	6803635	591799	1102	WHI12000127	1195	23.6	1.6	99.3	21.4	24.62	22	2.09	38.5	13.19	1.9	0.07	84.1
1300829	15/06/2012	NAD 83 - 8	6803620	591704	1117	WHI12000127	427	27.9	38.1	147.8	54.6	31.49	19	2.77	65.7	14.3	2.01	0.09	128.4
1300830	15/06/2012	NAD 83 - 8	6803613	591605	1126	WHI12000127	555	22.5	4	284	133.8	58.55	73	3.03	131.1	15.62	2.03	0.14	111.7
1300831	15/06/2012	NAD 83 - 8	6803594	591518	1155	WHI12000127	461	26.1	1.1	210.2	32.6	28.15	2.5	2.88	47.4	14.22	2.76	0.07	169.2
1300832	15/06/2012	NAD 83 - 8	6803609	591389	1227	WHI12000127	643	49.2	1	414	18.2	37.07	8	1.69	73	15.44	5.1	0.07	305.1
1300833	15/06/2012	NAD 83 - 8	6803618	591297	1261	WHI12000127	661	94.3	1.3	533.1	89.3	62.19	14	1.82	97.1	9.64	2.12	0.14	605.1
1300834	15/06/2012	NAD 83 - 8	6803600	591210	1271	WHI12000127	565	44.9	2.6	707.2	49.9	32.77	17	5.92	46.2	23.63	3.38	0.19	194.4
1300835	15/06/2012	NAD 83 - 8	6803610	591105	1308	WHI12000127	1007	6.2	1.9	661.5	9.6	17.95	29	6.36	8	38.93	2.21	1	114.5
1300836	15/06/2012	NAD 83 - 8	6803601	591002	1334	WHI12000127	1245	30.6	1	324.8	33.2	28.22	40	13.91	29.5	23.19	4.29	0.38	146.5
1300837	15/06/2012	NAD 83 - 8	6803597	590906	1341	WHI12000127	5568	57.1	5.8	926.6	54.2	55.85	1380	49.39	38.9	399.96	11.45	1.01	125.5
1300838	15/06/2012	NAD 83 - 8	6803400	591168	1208	WHI12000127	449	46.6	2.9	436.7	48.3	29.4	25	3.12	52.3	12.18	2.2	0.13	183.5
1300839	15/06/2012	NAD 83 - 8	6803401	591108	1230	WHI12000127	2419	14.8	1.3	434.9	44.4	22.82	92	21.35	32.1	28.12	7.11	0.59	105.3
1300840	15/06/2012	NAD 83 - 8	6803404	591003	1265	WHI12000127	612	21.9	4.3	199	52.2	18.4	12	4.37	44	252.55	2.4	0.14	113.9
1300841	15/06/2012	NAD 83 - 8	6803401	590894	1304	WHI12000127	1551	36.7	1.3	278.7	30	29.9	73	10.73	26.3	35.24	5.72	0.36	123.5
1300842	15/06/2012	NAD 83 - 8	6803407	590796	1347	WHI12000127	3752	24.1	1.9	497.2	55.6	25.71	383	17.59	17.1	44.99	6.02	1.67	65.9
1300843	15/06/2012	NAD 83 - 8	6803404	590710	1375	WHI12000127	4348	25.3	2.4	458.6	54.8	16.25	457	35.41	1.9	45.18	38.72	0.66	15.1
1300844	16/06/2012	NAD 83 - 8	6804600	589899		WHI12000127	1615	66.9	7.3	122.9	20.3	31.31	40	4.08	27.5	34.09	3.06	0.21	104.9
1300845	16/06/2012	NAD 83 - 8	6804600	589999		WHI12000127	2253	71.9	3.9	217.4	12.1	29.16	70	11.16	16.1	30.8	4.84	0.41	85.5
1300846	16/06/2012	NAD 83 - 8	6804600	590099		WHI12000127	1277	40.9	3.1	285.6	16.9	23.84	79	5.18	14	29.07	2.82	0.24	58.7
1300847	16/06/2012	NAD 83 - 8	6804600	590199		WHI12000127	1963	39.6	6.9	282.7	9.8	42.75	142	7.26	9.2	43.95	3.49	0.18	32
1300848	16/06/2012	NAD 83 - 8	6804600	590299		WHI12000127	1452	44.9	6.2	288.5	18.6	51.6	129	7.85	14.9	35.12	3.5	0.26	51.4
1300849	16/06/2012	NAD 83 - 8	6804200	589499		WHI12000127	302	10	2.7	147.3	32.6	29.75	26	1.76	21.2	15.92	0.92	0.11	68
1300850	16/06/2012	NAD 83 - 8	6803650	589799		WHI12000127	4387	74.2	12.3	748.1	26.3	34.47	535	17.43	14.7	24.25	19.55	0.55	61.5
1300851	14/06/2012	NAD 83 - 8	6801858	589127	1137	WHI12000127	31	20.5	0.6	114.3	710.5	28.23	23	0.32	577.2	4.46	1.53	0.04	29.3
1300852	14/06/2012	NAD 83 - 8	6801802	589251	1183	WHI12000127	60	33.4	2.5	134.9	433.8	39.04	16	1.96	313.4	5.26	1.31	0.14	77.1
1300853	14/06/2012	NAD 83 - 8	6801806	589315	1218	WHI12000127	77	19.5	1.5	276	186.3	196.41	27	0.42	135.5	14.45	1.04	0.16	103.7
1300854	14/06/2012	NAD 83 - 8	6801818	589435	1244	WHI12000127	85	19.8	1.3	170.2	938.7	24.39	60	0.69	954.1	4.36	3.53	0.05	42.8
1300855	14/06/2012	NAD 83 - 8	6801821	589518	1276	WHI12000127	69	19.6	1.7	181.2	834.9	30.77	62	0.4	1981.8	2.93	10.47	0.07	22.8
1300856	14/06/2012	NAD 83 - 8	6801807	589617	1297	WHI12000127	35	7.2	1	207.4	394.4	12.58	20	0.57	281.2	5.28	2.2	0.07	60.2
1300857	14/06/2012	NAD 83 - 8	6801832	589798	1365	WHI12000127	60	38.8	2.2	104.5	954.8	31.23	40	0.51	954.5	2.87	2.43	0.04	39.7
1300858	14/06/2012	NAD 83 - 8	6801807	589908	1376	WHI12000127	55	16.9	3.3	110.1	654	30.88	15	0.89	471.7	5.12	1.76	0.06	52.5
1300859	14/06/2012	NAD 83 - 8	6801795	589997	1398	WHI12000127	129	39.9	4.7	71.4	494.3	44.57	38	0.33	520.9	2.79	3.09	0.04	31.5

Sample No.	Sample Date	UTM	Northing	Easting	Elevation	Certificate	Ag PPB	As PPM	Au PPB	Ba PPM	Cr PPM	Cu PPM	Hg PPB	Mo PPM	Ni PPM	Pb PPM	Sb PPM	Tl PPM	Zn PPM
1300860	14/06/2012	NAD 83 - 8	6801806	590095	1437	WHI12000127	42	23.8	1.1	152.5	508.4	24.45	15	0.72	369.5	4.17	3.11	0.06	47.6
1300861	14/06/2012	NAD 83 - 8	6801828	590212	1478	WHI12000127	96	42	34.7	147.7	812.4	34.72	33	0.7	737.3	4.6	2.07	0.07	45
1300862	14/06/2012	NAD 83 - 8	6801829	590375	1479	WHI12000127	39	22	41.1	153.2	551.6	21.99	7	0.62	382.3	5.08	1.87	0.06	67.7
1300863	15/06/2012	NAD 83 - 8	6804116	589675	1560	WHI12000127	905	34.4	2.2	310.1	24.9	38.52	45	12.03	13.4	22.07	5.99	0.48	41.8
1300864	15/06/2012	NAD 83 - 8	6804139	589765	1547	WHI12000127	1065	54.9	1.9	430.7	14.7	38.28	74	14.55	17.2	35.35	5.55	0.58	98
1300865	15/06/2012	NAD 83 - 8	6804125	589858	1508	WHI12000127	1182	33.3	2.2	301.9	28.8	18.57	123	24.72	15.3	19.29	5.43	0.5	38.4
1300866	15/06/2012	NAD 83 - 8	6804196	589940	1473	WHI12000127	1075	19.4	1.4	346.8	12.3	15.37	22	11.31	9.5	27.99	4.26	0.28	41.4
1300867	15/06/2012	NAD 83 - 8	6804302	590006	1457	WHI12000127	4375	51.6	4.6	2672.6	57.3	79.42	126	46.24	18.9	74.45	13.24	0.77	48
1300868	15/06/2012	NAD 83 - 8	6804352	590078	1468	WHI12000127	1984	54.8	10.9	484.8	15.5	46.4	107	36.65	7.4	24.23	13.61	0.4	26.9
1300869	15/06/2012	NAD 83 - 8	6804111	590117	1413	WHI12000127	1293	82.4	2.6	251.4	21.8	38.8	23	8.09	31	41.22	5.72	0.36	151.4
1300870	15/06/2012	NAD 83 - 8	6804116	590210	1377	WHI12000127	1128	53.2	1.5	183.3	32.4	28.76	27	6.47	27.8	37.62	4.76	0.23	112.4
1300871	15/06/2012	NAD 83 - 8	6804114	590314	1356	WHI12000127	380	33.9	5.2	136.3	52.7	23.1	16	3.11	37.9	24.2	3.4	0.11	84.6
1300872	15/06/2012	NAD 83 - 8	6804113	590428	1346	WHI12000127	1368	13.5	1.9	415.6	67.2	20.52	24	1.93	39.2	16.67	1.72	0.12	258.7
1300873	15/06/2012	NAD 83 - 8	6804112	590535	1331	WHI12000127	857	32.3	3.7	329.2	25	20.93	18	2.9	25.2	54.14	3.24	0.2	117.6
1300874	15/06/2012	NAD 83 - 8	6804110	590641	1318	WHI12000127	639	36	1.8	415.9	19.4	39.49	11	2.76	36.3	92.99	4.9	0.17	222
1300875	15/06/2012	NAD 83 - 8	6804110	590740	1310	WHI12000127	782	54.5	1.7	342.1	15.6	67.98	17	2.64	53.3	47.91	6.19	0.22	330.6
1300876	15/06/2012	NAD 83 - 8	6804112	590843	1296	WHI12000127	1090	64.5	1.4	494.9	13	33.5	10	4.23	28	39.96	6.17	0.3	176.3
1300877	15/06/2012	NAD 83 - 8	6803947	590871	1243	WHI12000127	1050	59.1	5.8	215.4	15.7	69.75	144	6.49	56.4	74.6	6.73	0.21	265.3
1300878	15/06/2012	NAD 83 - 8	6803951	590764	1248	WHI12000127	1008	52.2	3.9	315.4	29.1	38.6	78	4.46	48.4	93.02	5.07	0.16	201.9
1300879	15/06/2012	NAD 83 - 8	6803954	590654	1261	WHI12000127	7171	15.5	2.9	209.2	16.4	25.97	74	2.23	13.4	272.7	1.67	0.19	46.5
1300880	15/06/2012	NAD 83 - 8	6803952	590533	1292	WHI12000127	2423	26.9	1.8	233.1	20.6	27.91	39	3.98	23	55.5	2.6	0.13	98
1300881	15/06/2012	NAD 83 - 8	6803949	590422	1293	WHI12000127	1170	46.3	4.3	255.5	33.4	40.96	35	7.21	38.7	50.5	5.02	0.2	140.8
1300882	16/06/2012	NAD 83 - 8	6803405	591692	1147	WHI12000127	249	10.5	1.4	237.7	73.3	18.43	27	2.06	53.5	10.85	1.12	0.08	74.6
1300883	16/06/2012	NAD 83 - 8	6803269	591671	1171	WHI12000127	133	13.6	2.3	298.4	74.5	29.31	10	3.38	62.4	11.3	1.56	0.11	94.3
1300884	16/06/2012	NAD 83 - 8	6803215	591577	1201	WHI12000127	324	19.6	3	129.6	37.1	25.97	18	6.75	49.1	17.8	2.78	0.11	151
1300885	16/06/2012	NAD 83 - 8	6803130	591499	1236	WHI12000127	698	26.4	2.1	200.1	40.7	28.01	22	7.46	50.7	19.09	4.79	0.2	226.1
1300886	16/06/2012	NAD 83 - 8	6803031	591430	1264	WHI12000127	2142	59	4.2	223.9	40.3	59.03	198	13.31	56.4	33.57	9.92	0.24	300
1300887	16/06/2012	NAD 83 - 8	6802921	591371	1293	WHI12000127	3822	12.5	4.8	761.7	37.4	18.73	153	14.83	17.2	185.06	4.87	0.6	51.5
1300888	16/06/2012	NAD 83 - 8	6802816	591328	1327	WHI12000127	1506	22	3.4	326.5	35.6	49.24	44	2.92	26.5	20.99	1.8	0.14	192.3
1300889	16/06/2012	NAD 83 - 8	6802732	591248	1361	WHI12000127	118	14.1	2	206.6	34.5	35.81	2.5	5.4	34.4	18.3	2.36	0.16	114.8
1300890	16/06/2012	NAD 83 - 8	6802655	591173	1388	WHI12000127	286	21.6	1.5	172.5	65.1	42.32	23	2.32	44.5	14.8	1.41	0.11	99.9
1300891	16/06/2012	NAD 83 - 8	6802595	591088	1420	WHI12000127	164	17.5	1.7	122	77.3	39.46	18	1.76	47.1	13.97	1.78	0.08	87.6
1300892	16/06/2012	NAD 83 - 8	6802562	590979	1450	WHI12000127	119	16.4	2.8	167.7	144.8	40.59	13	1.4	107.2	9.56	1.17	0.09	88.2
1300893	16/06/2012	NAD 83 - 8	6802492	590884	1467	WHI12000127	129	10.4	3	281.7	141	28.59	15	1.13	75.2	8.59	0.7	0.08	69.5
1300894	16/06/2012	NAD 83 - 8	6802488	590790	1484	WHI12000127	73	28.8	0.8	133.4	110.1	56.43	13	0.53	72	12.44	0.32	0.19	100.4
1300895	16/06/2012	NAD 83 - 8	6802460	590679	1519	WHI12000127	90	21.4	0.7	200.9	143	32.55	15	1.15	88.2	6.81	0.93	0.08	60.4
1300896	16/06/2012	NAD 83 - 8	6802415	590561	1550	WHI12000127	69	23.3	1.8	121.1	166.8	49.78	18	1.51	116.4	8.95	1.18	0.09	81.1
1300901	13/06/2012	NAD 83 - 8	6805596	591305	1204	WHI12000132	739	33.2	5.1	169	82.1	39.4	32	3	80.4	24.01	2.13	0.12	158.3
1300902	13/06/2012	NAD 83 - 8	6805594	591198	1238	WHI12000132	544	27.3	4	253	78.3	39.78	42	3.11	86.8	20	1.79	0.14	137.6
1300903	13/06/2012	NAD 83 - 8	6805563	591097	1272	WHI12000132	809	24.5	6.7	237.1	27.6	81.37	61	3.67	70.7	34.93	3.23	0.12	255.3
1300904	13/06/2012	NAD 83 - 8	6805533	591002	1300	WHI12000132	909	26.5	4.8	150.2	22.8	25.96	31	2.16	21.7	22.57	1.22	0.14	104.8
1300905	13/06/2012	NAD 83 - 8	6805505	590910	1329	WHI12000132	597	18	4.5	148.7	40.4	25.55	17	3.72	41.6	19.82	1.64	0.15	145.4
1300906	13/06/2012	NAD 83 - 8	6805459	590810	1357	WHI12000132	410	30.4	5.5	162.3	20.4	60.61	25	4.01	32.6	26.98	1.37	0.23	156.3
1300907	13/06/2012	NAD 83 - 8	6805431	590710	1388	WHI12000132	1028	86.2	4	143	13.8	27.61	16	3.92	20.3	30.32	2.36	0.16	121.4
1300908	13/06/2012	NAD 83 - 8	6805203	590395	1469	WHI12000132	366	23.4	2.3	146.1	16.2	16	21	2.54	12.9	25.88	1.22	0.18	50.6
1300909	13/06/2012	NAD 83 - 8	6805199	590299	1473	WHI12000132	1154	32	3.4	195.9	11.1	29.1	21	2.77	14.5	103.95	1.26	0.27	85.9

Sample No.	Sample Date	UTM	Northing	Easting	Elevation	Certificate	Ag PPB	As PPM	Au PPB	Ba PPM	Cr PPM	Cu PPM	Hg PPB	Mo PPM	Ni PPM	Pb PPM	Sb PPM	Tl PPM	Zn PPM
1300910	13/06/2012	NAD 83 - 8	6805200	590196	1503	WHI12000132	522	37.8	2.9	128.3	12.8	30.4	32	2.48	18.4	55.44	1.61	0.2	114.1
1300911	13/06/2012	NAD 83 - 8	6805199	590098	1553	WHI12000132	1494	58.4	4	102.9	12.9	23.93	34	2.39	17.9	60.84	1.66	0.18	106.4
1300912	13/06/2012	NAD 83 - 8	6805148	589969	1578	WHI12000132	445	20	2.4	81.4	11.1	16.08	27	1.46	9.1	31.33	0.88	0.15	49.2
1300913	14/06/2012	NAD 83 - 8	6804803	590701	1306	WHI12000132	552	43.1	2.2	172.4	34.8	28.71	25	3.23	48.9	50.87	3.13	0.17	201.9
1300914	14/06/2012	NAD 83 - 8	6804798	590798	1316	WHI12000132	1373	67.6	6.2	127.5	18.2	30.76	33	2.92	34.4	441.72	3.81	0.15	174.9
1300915	14/06/2012	NAD 83 - 8	6804805	590896	1317	WHI12000132	939	58	1.9	192.3	24.3	21.87	10	2.2	31	24.82	2.05	0.12	196.1
1300916	14/06/2012	NAD 83 - 8	6804852	590986	1311	WHI12000132	1267	194.8	1.6	325.4	21.9	49	24	2.97	36.8	33.01	2.87	0.18	219
1300917	14/06/2012	NAD 83 - 8	6804901	591075	1308	WHI12000132	675	82.6	2.3	165.1	18.4	26.14	21	2.22	24.5	25.07	3.71	0.12	106.1
1300918	14/06/2012	NAD 83 - 8	6804952	591164		WHI12000132	734	37.9	2.7	245	12.6	11.08	21	2.45	13	27.94	2.09	0.13	98.5
1300919	14/06/2012	NAD 83 - 8	6804963	591271	1259	WHI12000132	504	49.6	0.6	219.1	96.7	23.27	38	2.23	65.4	25.96	2.27	0.12	71.6
1300920	14/06/2012	NAD 83 - 8	6804987	591365	1230	WHI12000132	525	65.6	6.2	169.6	22.9	20.71	20	2.56	30.4	23.51	3	0.09	113.6
1300921	14/06/2012	NAD 83 - 8	6805040	591452	1193	WHI12000132	429	37.3	1	192.3	38.5	20.96	26	2.71	29.9	22.34	1.85	0.13	180.6
1300922	14/06/2012	NAD 83 - 8	6805090	591547	1144	WHI12000132	2333	203.1	1	224.4	17.6	40.61	10	4.03	40.3	46.88	7.73	0.17	179.5
1300923	14/06/2012	NAD 83 - 8	6805131	591647	1100	WHI12000132	604	49.8	0.1	112.5	17.1	14.12	13	1.96	19.5	17.76	2.18	0.06	76.8
1300924	14/06/2012	NAD 83 - 8	6805171	591750	1052	WHI12000132	150	15.5	2.9	205.6	52.7	16.16	13	3.03	55.9	15.04	1.6	0.12	101.4
1300925	14/06/2012	NAD 83 - 8	6804803	591798	1097	WHI12000132	151	16.7	1.2	76.7	18.8	10.08	17	1.73	17.1	11.55	0.93	0.1	54.2
1300926	14/06/2012	NAD 83 - 8	6804703	591796	1119	WHI12000132	423	15	0.2	122.6	25.9	10.16	14	1.68	19.7	12.34	1.33	0.09	57.3
1300927	14/06/2012	NAD 83 - 8	6804604	591771	1122	WHI12000132	383	16.5	0.4	146.9	37.6	19.06	16	2.35	36.2	17.64	1.84	0.07	232.3
1300928	14/06/2012	NAD 83 - 8	6804606	591674	1143	WHI12000132	228	13	0.8	63.3	22	11.54	7	1.74	21.3	12.12	1.18	0.06	57.5
1300929	14/06/2012	NAD 83 - 8	6804706	591684	1137	WHI12000132	165	20.8	4.1	323.9	68.5	28.8	16	2.7	64.3	16.27	1.81	0.1	103.6
1300930	14/06/2012	NAD 83 - 8	6804601	591575	1166	WHI12000132	505	37.2	1.1	236	50.1	30.36	24	2.88	47.4	17.55	2.19	0.1	112.7
1300931	15/06/2012	NAD 83 - 8	6802984	588402	1072	WHI12000132	40	8.4	1.6	140	150.6	10.24	13	0.74	162.4	6.45	0.58	0.04	43.2
1300932	15/06/2012	NAD 83 - 8	6803003	588499	1104	WHI12000132	34	19.3	2.5	224.7	216	14.15	11	1.86	207.8	8.76	1.28	0.08	63.3
1300933	15/06/2012	NAD 83 - 8	6803001	588606	1110	WHI12000132	559	147.3	9.9	133	251.7	59.47	48	6.33	1155.3	18.32	7.79	0.09	4364.8
1300934	15/06/2012	NAD 83 - 8	6803004	588694	1147	WHI12000132	140	26.5	2.1	168.5	281.9	26.04	14	1.37	278.8	7.89	2.13	0.07	342.6
1300935	15/06/2012	NAD 83 - 8	6803015	588799	1195	WHI12000132	34	11.2	1.2	44.9	78.1	14.01	7	0.79	41.3	5.84	1.09	0.04	78.3
1300936	15/06/2012	NAD 83 - 8	6803007	588887	1199	WHI12000132	47	27.8	7.4	151	375.7	34.14	9	1.8	285.3	4.77	2.23	0.07	89.7
1300937	15/06/2012	NAD 83 - 8	6803008	589002	1214	WHI12000132	231	49.6	2.8	129.9	362.9	40.34	7	1.37	269.8	10.38	3.96	0.06	77.1
1300938	15/06/2012	NAD 83 - 8	6803010	589094	1237	WHI12000132	106	16	6.1	93.9	519.2	23.11	14	0.63	470	3.14	1.22	0.04	68.7
1300939	15/06/2012	NAD 83 - 8	6803002	589199	1249	WHI12000132	1577	12.3	5.7	117	28.7	11.13	10	11.66	20.4	17.34	4.89	0.37	54.4
1300940	15/06/2012	NAD 83 - 8	6802998	589299	1292	WHI12000132	379	45.1	1.9	299.7	120.3	48.75	18	2.23	100.6	17.37	8.5	0.13	240
1300941	15/06/2012	NAD 83 - 8	6803004	589403	1313	WHI12000132	151	26	9.4	190.9	333.4	13.08	14	1.18	168.3	7.23	1.29	0.09	117.7
1300942	15/06/2012	NAD 83 - 8	6802999	589506	1343	WHI12000132	955	29.5	6.1	137.6	435.7	27.09	87	3.47	362.9	12.06	4.28	0.15	68
1300943	15/06/2012	NAD 83 - 8	6803004	589600	1365	WHI12000132	221	24.5	0.9	163.8	259.9	23.1	14	0.84	205.8	5.94	1.32	0.06	58.4
1300944	15/06/2012	NAD 83 - 8	6802996	589705	1395	WHI12000132	239	175.6	17.2	195.5	20.6	68.55	106	8.57	486.5	26.53	13.43	0.45	1336.3
1300945	15/06/2012	NAD 83 - 8	6803000	589796	1383	WHI12000132	990	135.6	5.7	192.8	40	53.11	13	1.57	51	14.37	8.57	0.06	117.2
1300946	15/06/2012	NAD 83 - 8	6802994	589901	1445	WHI12000132	1060	140.9	7.8	410.7	53.7	47.32	23	1.83	53.9	17.46	8.97	0.1	104.4
1300947	15/06/2012	NAD 83 - 8	6803006	589996	1475	WHI12000132	577	140.6	4.8	198.2	49.3	79.73	28	2.71	56.6	14.27	6.12	0.11	109.9
1300948	15/06/2012	NAD 83 - 8	6803062	590085		WHI12000132	229	11.1	0.7	127.3	20.7	17.79	21	0.79	15.1	6.63	0.64	0.06	37
1300949	16/06/2012	NAD 83 - 8	6803001	591695	1208	WHI12000132	774	37.3	3.9	202.6	47.3	45.55	55	7.87	78.8	18.21	5.1	0.18	401.6
1300950	16/06/2012	NAD 83 - 8	6803005	591795	1185	WHI12000132	1009	45.5	4.7	305.1	29	38.15	88	10.32	65.4	32.07	11.16	0.29	403
1300951	16/06/2012	NAD 83 - 8	6802995	591902	1154	WHI12000132	515	26.9	2.1	183.3	47.4	33.54	16	11.57	65.3	20.78	5.76	0.25	304.2
1300952	16/06/2012	NAD 83 - 8	6802806	591896	1165	DAW12000089	732	18.2	2.2	288.1	38.9	31.67	7	4.5	65.3	17.43	3.42	0.11	538.1
1300953	16/06/2012	NAD 83 - 8	6802805	591797	1195	WHI12000132	276	12.9	2	212.7	34.1	28.1	81	6.47	38.6	16.54	3.31	0.11	193.7
1300954	16/06/2012	NAD 83 - 8	6802802	591695	1225	WHI12000132	658	25.6	1.5	193.1	58.7	34.99	37	6.16	43.4	12.41	3.12	0.16	242.9
1300955	16/06/2012	NAD 83 - 8	6802699	591651	1251	WHI12000132	2793	74.6	3	573.2	49.1	29.97	194	7.59	27.4	39.96	23.89	0.27	117.9

Sample No.	Sample Date	UTM	Northing	Easting	Elevation	Certificate	Ag PPB	As PPM	Au PPB	Ba PPM	Cr PPM	Cu PPM	Hg PPB	Mo PPM	Ni PPM	Pb PPM	Sb PPM	Tl PPM	Zn PPM
1300956	16/06/2012	NAD 83 - 8	6802611	591577	1266	WHI12000132	232	23.1	1.7	230.5	18.8	79.85	14	2.36	36.9	17.09	3.56	0.07	165.1
1300957	16/06/2012	NAD 83 - 8	6802533	591495	1267	WHI12000132	1307	133.2	4.3	206.3	15.9	90.11	17	3.56	51.2	42.08	3.79	0.12	185.6
1300958	16/06/2012	NAD 83 - 8	6802502	591401	1323	WHI12000132	153	13.7	5.8	212.9	43	41.25	13	2.45	39.6	11.8	2.09	0.09	101.9
1300959	16/06/2012	NAD 83 - 8	6802486	591278	1367	WHI12000132	360	21.7	1.6	179.2	83	60.61	17	1.68	86.9	14.06	2.34	0.07	94.5
1300960	16/06/2012	NAD 83 - 8	6802416	591200	1389	WHI12000132	331	16.9	2.7	196.7	152.4	38.88	16	1.61	104.4	10.02	1.64	0.07	130.2
1300961	16/06/2012	NAD 83 - 8	6802364	591100	1417	WHI12000132	46	14.2	0.6	177.1	178.1	30.65	9	1.15	108.6	8.71	1.17	0.06	72.9
1300962	16/06/2012	NAD 83 - 8	6802356	590997	1420	WHI12000132	94	16.1	3	230.3	164.4	45.63	14	1.1	114.6	6.35	1.21	0.08	71.8
1300963	16/06/2012	NAD 83 - 8	6802327	590899		WHI12000132	75	10.8	3.5	228.5	114.6	26.66	12	0.95	63.7	7.91	0.77	0.1	60.9
1300964	16/06/2012	NAD 83 - 8	6802320	590796	1481	WHI12000132	63	16.6	2.6	154.9	129	27.09	13	1.02	68	5.86	0.99	0.05	77.6
1300965	16/06/2012	NAD 83 - 8	6802322	590694	1509	WHI12000132	41	11.6	2.7	95.6	76.2	34.02	20	0.88	53.3	6.35	0.9	0.08	55
1300966	16/06/2012	NAD 83 - 8	6802313	590595	1534	WHI12000132	44	6.7	0.4	64.4	49.1	12.59	20	0.7	29.7	3.6	0.45	0.07	28.1
1301001	16/06/2012	NAD 83 - 8	6803600	589799		WHI12000127	3530	86.5	4.9	334.7	20.3	23.97	586	19.48	5.6	11.02	15.52	0.93	33.7
1301002	16/06/2012	NAD 83 - 8	6803650	589899		WHI12000127	1601	75.3	6.2	438.7	52.9	39.89	56	8.55	38.6	22.89	8.2	0.23	80.3
1301003	16/06/2012	NAD 83 - 8	6803600	589899		WHI12000127	2546	43.6	4.5	483.8	30.4	19.38	66	10.87	17.6	18.01	9.14	0.32	59.1
1301004	16/06/2012	NAD 83 - 8	6803200	589899		WHI12000127	624	15.4	1.9	204.8	32.2	18.5	39	2.74	28.8	14.58	2.05	0.12	108.6
1301005	16/06/2012	NAD 83 - 8	6803200	589999		WHI12000127	380	40.2	3	236.9	44.7	29.95	25	6.83	45.8	16.13	4.59	0.16	248.7
1301006	16/06/2012	NAD 83 - 8	6803200	590099		WHI12000127	483	163.9	2	425.4	63.5	76.23	77	5.79	328.5	10.96	3.21	0.54	555.3
1301007	16/06/2012	NAD 83 - 8	6803200	590199		WHI12000127	1817	25.6	13.2	325.9	36.6	26.32	220	6.83	43.1	23.31	11.99	0.2	160
1301008	16/06/2012	NAD 83 - 8	6803200	590299		WHI12000127	1741	45.1	6.6	432	9.3	51.21	137	7.32	39.7	72.2	17.08	0.41	283.5
1301009	16/06/2012	NAD 83 - 8	6803200	590399		WHI12000127	586	10.6	0.5	87.1	38.4	20.77	30	1.23	29	4.52	0.67	0.04	47.7
1301010	16/06/2012	NAD 83 - 8	6803200	590499		WHI12000127	1058	151.8	5.8	173.2	17	67.95	33	14.46	132.7	41.58	34.51	0.33	590.3
1301011	16/06/2012	NAD 83 - 8	6803200	590599		WHI12000127	1849	11.9	3.9	83.2	8.3	33.35	105	2.61	56.1	20.56	8.46	0.12	267.4
1301012	16/06/2012	NAD 83 - 8	6803200	590699		WHI12000127	1045	124	6.3	229.4	27.4	62.05	61	5.19	55.2	40.97	8.01	0.2	259.3
1301013	16/06/2012	NAD 83 - 8	6803200	590799		WHI12000127	134	4.7	0.6	57	7.5	7.28	16	0.55	4.5	3.14	0.28	0.04	20.2
1301014	16/06/2012	NAD 83 - 8	6803200	590899		WHI12000127	625	70.2	2.4	265	64.2	32.96	24	2.9	49.7	16.16	4.84	0.12	160.8

Appendix D

2012 Stream Sediment Sample Locations

And

Analytical Results

								Ag	As	Au	Ba	Cr	Cu	Hg	Mo	Ni	Pb	Sb	Tl	Zn
Sample No.	**Sample Date**	**UTM**	**Northing**	**Easting**	**Elevation**	**Certificate**	**Sample**	**PPB**	**PPM**	**PPB**	**PPM**	**PPM**	**PPM**	**PPB**	**PPM**	**PPM**	**PPM**	**PPM**	**PPM**	**PPM**
122325	10/06/2012	NAD 83 - 8	6803894	590747	1254	WHI12000128	122325	3688	186.5	9	1344.8	22.8	331.89	135	135.28	502.7	41.45	18.98	2	1990.6
122326	10/06/2012	NAD 83 - 8	6804030	591175	1175	WHI12000128	122326	2727	122.7	6	1342.1	29.4	303.6	137	65.45	507.7	53.39	10.31	1.16	2676.7
122327	13/06/2012	NAD 83 - 8	6805321	588612	1241	WHI12000128	122327	1113	42.4	3	338.5	51.3	33.35	41	2.48	59.5	75.98	1.68	0.18	176.7

Appendix E

Geochemical Statistics

Rackla Metals Inc. Iola Property

2012 Soil Sediment Sample - Correlation

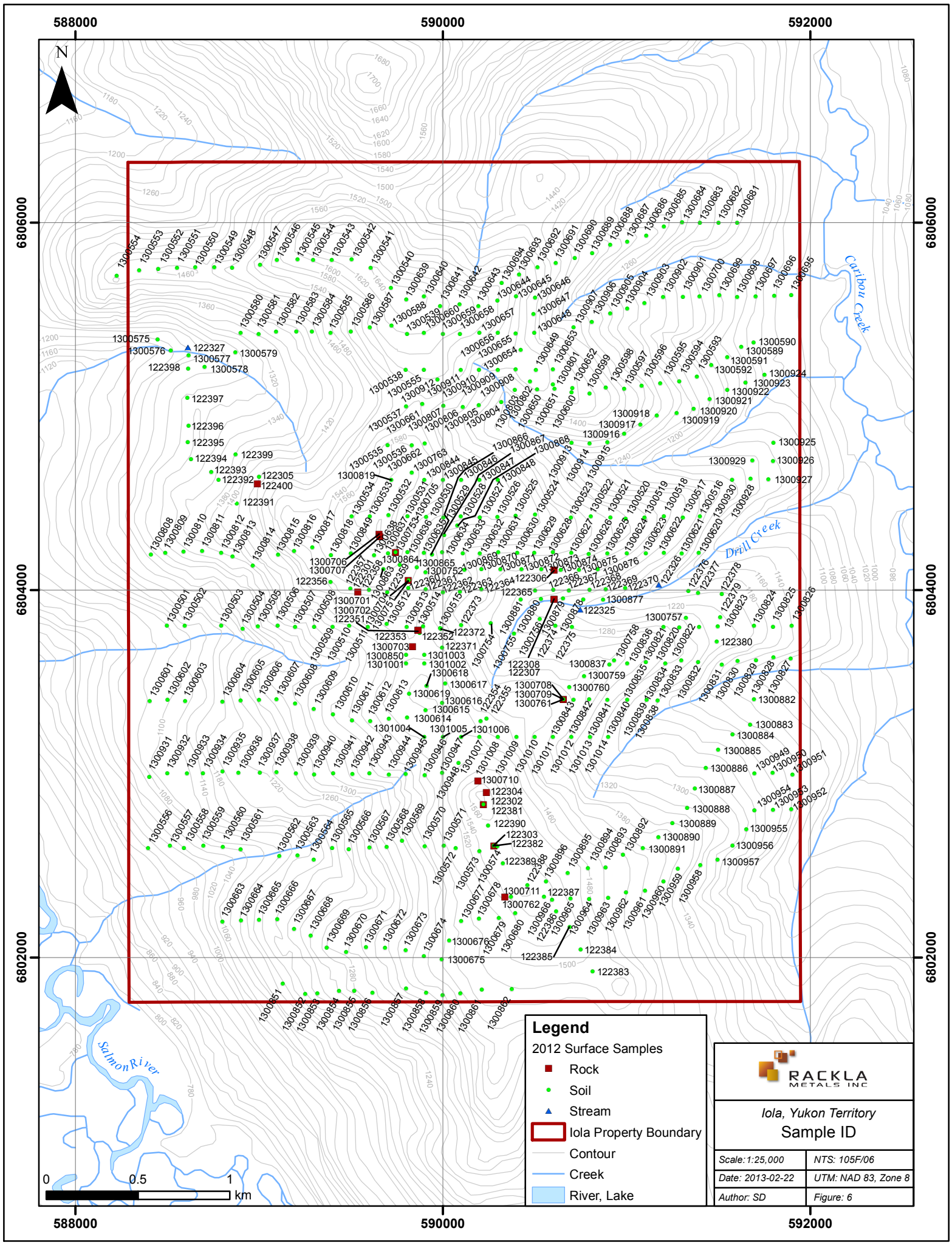
Element	Ag	Al	As	Au	B	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Se	Sr	Te	Th	Ti	Tl	U	V	W	Zn
Ag_ppb_LAB	1.00																																				
Al_pct_LAB	-0.12	1.00																																			
As_ppm_LAB	0.13	0.02	1.00																																		
Au_ppb_LAB	0.10	0.03	0.99	1.00																																	
B_ppm_LAB	-0.09	0.03	0.01	0.02	1.00																																
Ba_ppm_LAB	0.46	0.08	0.03	0.02	-0.08	1.00																															
Bi_ppm_LAB	0.17	-0.11	-0.01	-0.02	-0.10	0.00	1.00																														
Ca_pct_LAB	-0.10	0.49	0.09	0.09	0.12	0.02	-0.18	1.00																													
Cd_ppm_LAB	0.02	-0.04	0.00	0.00	0.00	0.15	-0.03	0.23	1.00																												
Co_ppm_LAB	-0.15	0.23	0.20	0.19	0.55	-0.10	-0.15	0.41	0.07	1.00																											
Cr_ppm_LAB	-0.20	0.29	-0.02	0.00	0.63	-0.17	-0.19	0.28	-0.03	0.68	1.00																										
Cu_ppm_LAB	0.21	0.40	0.43	0.40	-0.01	0.20	-0.03	0.40	0.07	0.21	-0.02	1.00																									
Fe_pct_LAB	-0.02	0.60	0.42	0.39	0.17	-0.01	-0.11	0.43	0.03	0.48	0.40	0.63	1.00																								
Ga_ppm_LAB	-0.07	0.82	-0.02	-0.01	-0.07	0.04	-0.08	0.36	-0.08	0.08	0.11	0.26	0.42	1.00																							
Hg_ppb_LAB	0.54	-0.09	0.01	0.01	0.01	0.28	-0.02	-0.04	0.02	-0.08	-0.06	0.10	-0.06	0.00	1.00																						
K_pct_LAB	0.35	-0.12	0.18	0.14	-0.20	0.28	0.36	-0.17	-0.03	-0.21	-0.36	0.16	0.03	-0.03	0.17	1.00																					
La_ppm_LAB	0.32	-0.29	-0.05	-0.05	-0.29	0.30	0.25	-0.30	0.02	-0.41	-0.55	0.02	-0.29	-0.19	0.29	0.47	1.00																				
Mg_pct_LAB	-0.21	0.25	0.00	0.01	0.87	-0.17	-0.15	0.32	0.00	0.76	0.86	0.02	0.35	0.09	-0.09	-0.31	-0.48	1.00																			
Mn_ppm_LAB	-0.07	0.32	0.55	0.55	0.18	0.04	-0.14	0.48	0.30	0.64	0.29	0.58	0.66	0.21	-0.06	-0.08	-0.28	0.32	1.00																		
Mo_ppm_LAB	0.41	-0.15	0.00	-0.01	-0.02	0.44	-0.02	-0.11	0.15	-0.10	-0.12	0.08	-0.06	-0.05	0.78	0.18	0.29	-0.14	-0.01	1.00																	
Na_pct_LAB	-0.02	-0.15	0.06	0.05	-0.03	-0.19	-0.11	0.07	-0.03	0.00	-0.01	-0.08	-0.12	-0.11	-0.13	-0.10	-0.45	-0.02	-0.02	-0.17	1.00																
Ni_ppm_LAB	-0.18	0.15	0.05	0.04	0.72	-0.14	-0.16	0.38	0.11	0.82	0.84	0.05	0.40	-0.02	-0.07	-0.30	-0.45	0.90	0.43	-0.09	0.00	1.00															
P_pct_LAB	0.54	-0.01	0.01	0.00	-0.05	0.48	0.01	0.01	0.03	-0.14	-0.14	0.11	0.00	0.02	0.52	0.24	0.30	-0.17	-0.09	0.50	-0.17	-0.14	1.00														
Pb_ppm_LAB	0.29	-0.11	0.02	0.00	-0.06	0.07	0.32	-0.09	0.00	-0.09	-0.11	0.04	-0.07	-0.10	0.08	0.16	0.09	-0.10	-0.07	0.06	-0.07	-0.09	0.04	1.00													
S_pct_LAB	0.48	-0.26	0.10	0.04	-0.09	0.28	0.25	-0.19	0.02	-0.15	-0.21	0.09	0.00	-0.19	0.23	0.73	0.24	-0.19	-0.14	0.30	0.08	-0.14	0.25	0.23	1.00												
Sb_ppm_LAB	0.61	-0.15	0.37	0.33	0.00	0.27	-0.06	-0.01	0.03	0.06	-0.06	0.36	0.25	-0.08	0.45	0.27	0.13	-0.06	0.13	0.44	0.14	0.02	0.43	0.05	0.44	1.00											
Sc_ppm_LAB	0.04	0.53	0.45	0.44	0.25	0.01	-0.18	0.57	0.04	0.54	0.49	0.61	0.82	0.38	0.00	-0.08	-0.37	0.44	0.68	-0.07	0.04	0.45	-0.02	-0.09	-0.05	0.26	1.00										
Se_ppm_LAB	0.58	-0.19	0.00	-0.01	-0.04	0.42	0.01	-0.11	0.03	-0.15	-0.13	0.10	-0.10	0.00	0.75	0.31	0.37	-0.16	-0.14	0.79	-0.19	-0.13	0.60	0.16	0.43	0.60	-0.06	1.00									
Sr_ppm_LAB	0.32	-0.09	0.05	0.03	-0.05	0.51	0.04	0.01	0.05	-0.12	-0.15	0.14	-0.01	-0.08	0.17	0.27	0.21	-0.16	-0.07	0.31	-0.12	-0.12	0.50	0.09	0.36	0.28	-0.06	0.33	1.00								
Te_ppm_LAB	0.62	-0.16	0.19	0.17	-0.08	0.55	0.15	-0.12	0.08	-0.15	-0.20	0.24	0.00	-0.03	0.57	0.37	0.37	-0.22	0.00	0.66	-0.27	-0.18	0.55	0.39	0.43	0.53	-0.04	0.75	0.45	1.00							
Th_ppm_LAB	0.16	-0.07	-0.04	-0.04	-0.16	0.21	0.11	-0.19	0.01	-0.22	-0.26	-0.01	-0.06	-0.07	0.13	0.28	0.51	-0.24	-0.20	0.18	-0.35	-0.23	0.27	0.12	0.12	0.11	-0.16	0.27	0.14	0.28	1.00						
Ti_pct_LAB	-0.21	0.63	-0.04	-0.03	-0.01	-0.04	-0.10	0.37	-0.05	0.10	0.16	0.02	0.26	0.58	-0.13	-0.12	-0.26	0.13	0.11	-0.17	0.00	0.05	-0.13	-0.10	-0.24	-0.18	0.22	-0.19	-0.15	-0.22	-0.09	1.00					
Tl_ppm_LAB	0.47	-0.17	0.12	0.11	-0.06	0.53	0.09	-0.10	0.09	-0.14	-0.19	0.12	-0.07	-0.12	0.65	0.32	0.37	-0.21	-0.02	0.81	-0.21	-0.15	0.57	0.09	0.38	0.43	-0.07	0.70	0.55	0.71	0.19	-0.19	1.00				
U_ppm_LAB	0.48	-0.07	0.00	-0.01	0.00	0.42	-0.02	-0.03	0.07	-0.10	-0.08	0.11	-0.07	-0.04	0.75	0.18	0.30	-0.11	-0.07	0.75	-0.14	-0.07	0.72	0.03	0.24	0.37	-0.03	0.72	0.39	0.53	0.17	-0.14	0.71	1.00			
V_ppm_LAB	0.56	0.21	0.03	0.02	0.00	0.40	-0.08	0.12	-0.04	-0.01	0.04	0.20	0.12	0.43	0.66	0.18	0.21	-0.01	0.02	0.56	-0.20	-0.03	0.47	-0.01	0.18	0.46	0.20	0.72	0.24	0.60	0.11	0.08	0.54	0.55	1.00		
W_ppm_LAB	0.24	-0.05	0.12	0.06	-0.03	0.10	0.02	-0.05	-0.01	0.01	-0.05	0.09	0.23	-0.07	0.12	0.37	-0.01	-0.06	0.00	0.10	0.04	-0.01	0.14	0.04	0.47	0.22	0.14	0.13	0.11	0.19	-0.01	-0.06	0.15	0.11	0.09	1.00	
Zn_ppm_LAB	-0.03	0.06	0.03	0.01	0.04	0.04	-0.04	0.31	0.40	0.20	0.04	0.19	0.29	0.01	-0.01	-0.05	-0.05	0.08	0.41	0.07	-0.02	0.31	0.00	-0.01	0.02	0.04	0.14	0.01	0.04	0.01	-0.02	-0.02	0.03	0.07	-0.01	0.00	1.00

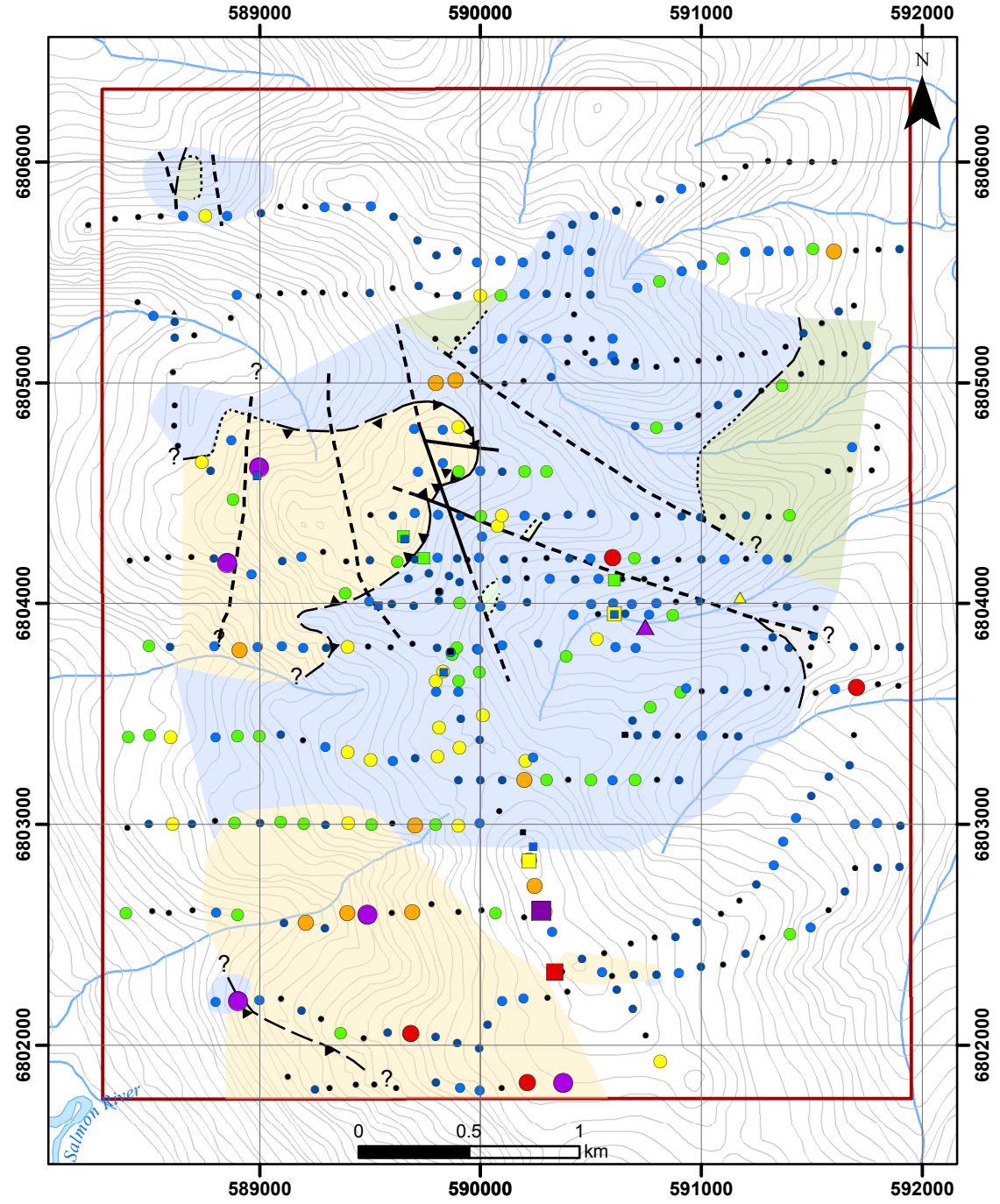
Rackla Metals Inc. Iola Property										
2012 Soil Sediment Sample										
Element	Ag	Al	As	Au	B	Ba	Bi	Ca	Cd	Co
Mean	1155.64	1.01	73.01	6.74	2.09	290.77	0.33	0.15	1.54	15.83
Standard Error										
Median	581.00	0.90	31.00	2.60	1.00	202.70	0.19	0.09	0.58	6.70
Mode	721.00	0.75	17.50	0.10	0.50	174.90	0.17	0.06	0.37	4.80
Standard Deviation	1776.32	0.56	480.78	52.64	5.71	289.50	0.60	0.18	5.96	30.59
Sample Variance	3148112.82	0.31	230626.67	2764.18	32.58	83620.09	0.36	0.03	35.49	933.63
Kurtosis	26.27	5.22	417.68	423.22	252.71	19.03	41.34	17.29	123.56	129.00
Skewness	4.33	1.77	20.21	20.40	14.40	3.73	5.77	3.62	10.65	9.23
Range	17192.00	3.73	9999.60	1097.00	105.50	2662.60	5.90	1.55	80.47	485.70
Minimum	19.00	0.19	0.40	0.10	0.50	10.00	0.01	0.01	0.01	0.20
Maximum	17211.00	3.92	10000.00	1097.10	106.00	2672.60	5.91	1.55	80.47	485.90
Sum	507325.00	442.77	32052.30	2959.50	919.50	127646.10	144.56	63.90	674.15	6948.90
Count	439.00	439.00	439.00	439.00	439.00	439.00	439.00	439.00	439.00	439.00
Confidence Level (95.0%)	166.1637099	0.05244617	44.97444321	4.92372995	0.53453301	27.08110357	0.05609788	0.01669887	0.55788402	2.86152651

Rackla Metals Inc. Iola Property										
2012 Soil Sediment Sample										
Element	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
Mean	100.79	38.36	2.84	3.34	94.71	0.07	15.22	0.79	433.56	7.69
Standard Error										
Median	34.00	30.88	2.61	3.00	26.00	0.07	16.20	0.25	186.00	2.90
Mode	17.10	40.96	1.66	2.30	13.00	0.07	16.60	0.03	22.00	0.70
Standard Deviation	169.65	29.34	1.43	1.64	316.04	0.03	6.82	1.65	805.77	17.64
Sample Variance	28716.65	859.05	2.05	2.67	99655.31	0.00	46.44	2.71	647779.60	310.45
Kurtosis	9.16	21.18	9.83	7.23	75.01	7.41	2.48	64.63	50.38	104.05
Skewness	2.95	3.83	2.22	1.94	7.94	1.95	0.37	6.48	6.15	8.43
Range	1109.30	261.49	13.15	13.60	3985.50	0.30	56.45	21.44	9272.00	262.20
Minimum	2.30	1.87	0.37	0.40	2.50	0.01	0.25	0.01	8.00	0.04
Maximum	1111.60	263.36	13.52	14.00	3988.00	0.30	56.70	21.45	9280.00	262.24
Sum	44247.00	16840.82	1246.73	1466.30	41577.00	30.47	6682.05	348.96	190335.00	3377.11
Count	439.00	439.00	439.00	439.00	439.00	439.00	439.00	439.00	439.00	439.00
Confidence Level (95.0%)	15.8700361	2.74486488	0.13397781	0.15304899	29.5638678	0.00325665	0.63819624	0.15411961	75.37453899	1.6500897

Rackla Metals Inc. Iola Property										
2012 Soil Sediment Sample										
Element	Na	Ni	P	Pb	S	Sb	Sc	Se	Sr	Te
Mean	0.00	111.35	0.12	40.69	0.05	5.24	3.28	2.93	40.78	0.07
Standard Error										
Median	0.00	37.40	0.08	21.90	0.04	2.40	1.90	1.00	25.60	0.05
Mode	0.00	17.20	0.06	4.46	0.01	2.05	1.90	0.20	25.60	0.01
Standard Deviation	0.01	228.59	0.16	120.78	0.06	10.17	3.96	6.27	64.80	0.07
Sample Variance	0.00	52136.00	0.02	14555.33	0.00	103.19	15.61	39.17	4189.65	0.00
Kurtosis	20.75	31.39	36.98	232.57	25.77	68.73	20.80	48.51	40.18	14.75
Skewness	3.69	4.94	5.41	13.88	4.26	7.22	3.78	5.87	5.92	3.12
Range	0.06	2024.10	1.62	2183.29	0.58	129.85	36.20	73.55	547.60	0.60
Minimum	0.00	1.10	0.00	0.24	0.01	0.03	0.10	0.05	0.60	0.01
Maximum	0.06	2025.20	1.63	2183.53	0.59	129.88	36.30	73.60	548.20	0.61
Sum	2.09	48881.80	51.37	17863.45	22.58	2298.38	1438.50	1286.35	17902.30	31.38
Count	439.00	439.00	439.00	439.00	439.00	439.00	439.00	439.00	439.00	439.00
Confidence Level (95.0%)	0.00053406	21.3835539	0.0145804	11.2985337	0.00607419	0.95131837	0.36998144	0.58613447	6.06177702	0.00661597

Rackla Metals Inc. Iola Property							
2012 Soil Sediment Sample							
Element	Th	Ti	Tl	U	V	W	Zn
Mean	2.77	0.03	0.24	1.99	61.40	0.38	169.23
Standard Error							
Median	2.50	0.02	0.15	1.00	45.00	0.20	99.70
Mode	0.05	0.01	0.12	0.40	32.00	0.20	74.60
Standard Deviation	1.98	0.04	0.31	4.93	67.95	1.32	475.45
Sample Variance	3.92	0.00	0.10	24.21	4606.49	1.73	225538.63
Kurtosis	-0.09	52.24	20.78	63.63	96.97	393.02	207.70
Skewness	0.61	5.81	3.97	7.35	7.81	19.32	13.26
Range	10.15	0.43	2.81	56.55	1021.00	27.15	8271.90
Minimum	0.05	0.00	0.01	0.05	9.00	0.05	5.50
Maximum	10.20	0.43	2.82	56.60	1030.00	27.20	8277.40
Sum	1217.70	13.27	107.51	874.65	26954.00	168.90	74291.10
Count	439.00	439.00	439.00	439.00	439.00	439.00	439.00
Confidence Level (95.0%)	0.18535124	0.00334335	0.02929016	0.46083575	6.35617895	0.12333612	44.47556801


588000
590000
592000
6806000
6804000
6802000
N
Caribou Creek
Drill Creek
Salmon River
0
0.5
1
km
Legend
2012 Surface Samples
Rock
Soil
Stream
Iola Property Boundary
Contour
Creek
River, Lake
RACKLA METALS INC
Iola, Yukon Territory
Sample ID
Scale: 1:25,000
NTS: 105F/06
Date: 2013-02-22
UTM: NAD 83, Zone 8
Author: SD
Figure: 6



Stream Sediment
Au (ppb)
- 3
- 4 - 6
- 7 - 9

Rock
Au (ppb)
- 0.1 - 0.2 [0 < 30%]
- 0.3 - 1.0 [30 < 60%]
- 1.1 - 2.6 [60 < 80%]
- 2.7 - 11.1 [80 < 90%]
- 11.2 - 11.7 [90 < 95%]
- 11.8 - 13.0 [95 < 100%]

Soil
Au (ppb)
- 0.1 - 1.8 [0 < 30%]
- 1.9 - 3.2 [30 < 60%]
- 3.3 - 5.2 [60 < 80%]
- 5.3 - 7.5 [80 < 90%]
- 7.6 - 12.3 [90 < 95%]
- 12.4 - 22.8 [95 < 98%]
- 22.9 - 38.2 [98 < 99%]
- 38.3 - 1097.1 [99 < 100%]

Lithology
- 3 Massive Greenstone, Andesite and Tuff
- 2c White Quartzite
- 2b Black Shale, Slate, Argillite
- 2a Chert Pebble Conglomerate and Greywacke
- 1 Micaceous Quartzite

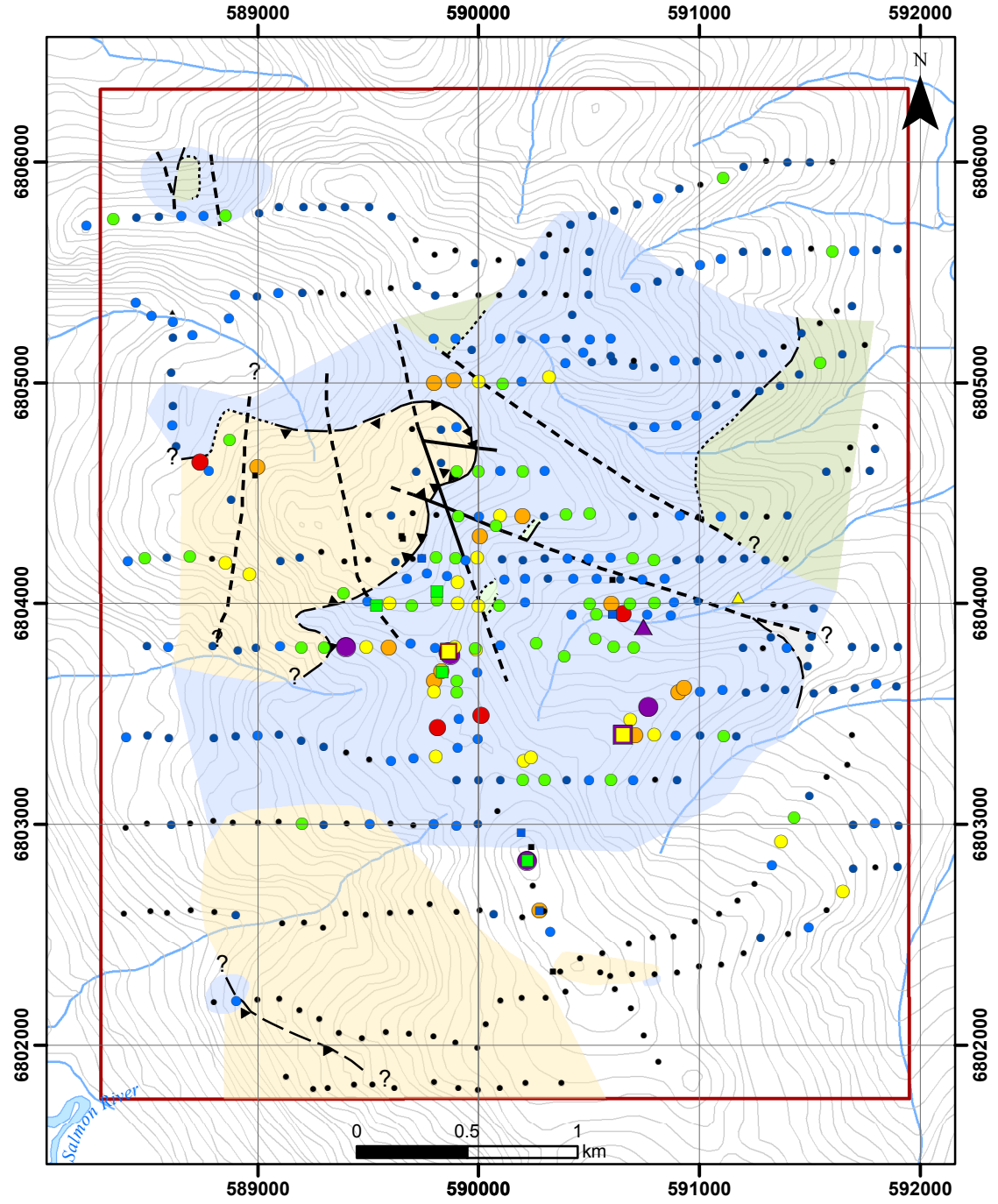
- Thrust fault, approximate
- Fault, defined
- Thrust fault, defined
- Contact, defined
- Fault, inferred from airphoto
- Contact, inferred
- Contact, approximate
- Iola Property Boundary

Geology modified from Van Angeren, 1982

RACKLA METALS INC

Iola, Yukon Territory
Au Geochemical Results

Scale: 1:30,000	*NTS: 105F/06*
Date: 2013-02-25	*NAD 83, Zone 8*
Author: SD	*Figure: 7*



Stream Sediment
Ag (ppb)
- 1113
- 1114 - 2727
- 2728 - 3688

Rock
Ag (ppb)
- 8 - 34 [0 < 30%]
- 35 - 768 [30< 60%]
- 769 - 1830 [60 < 80%]
- 1831 - 2537 [80 < 90%]
- 2538 - 2931 [90 < 95%]
- 2932 - 5343 [95 < 100%]

Soil
Ag (ppb)
- 19 - 332 [0 < 30%]
- 333 - 774 [30 < 60%]
- 775 - 1572 [60 < 80%]
- 1573 - 2626 [80 < 90%]
- 2627 - 4263 [90 < 95%]
- 4264 - 6599 [95 < 98%]
- 6600 - 8748 [98 < 99%]
- 8749 - 17211 [99 < 100%]

Lithology
- 3 Massive Greenstone, Andesite and Tuff
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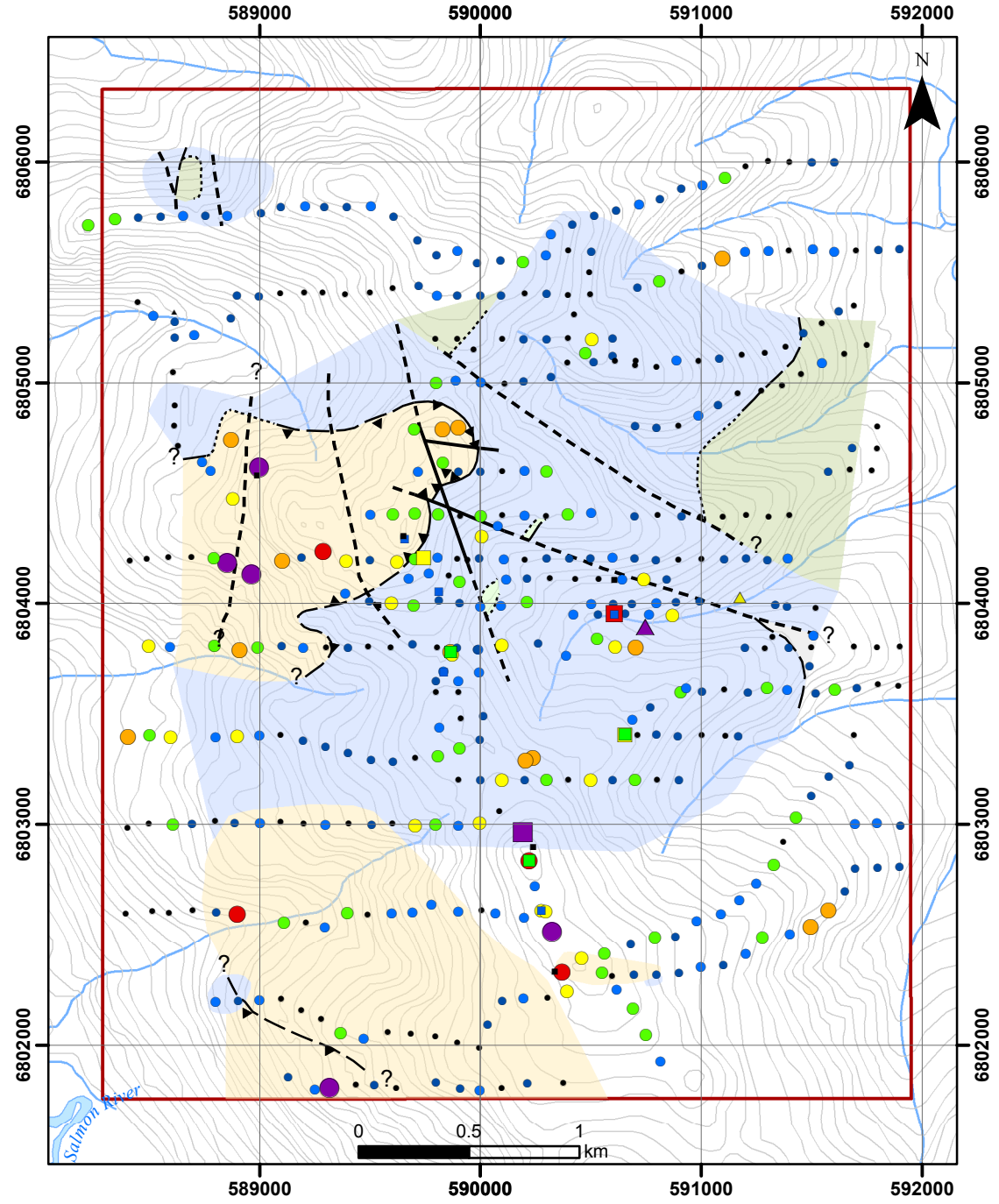
- Fault, defined
- Thrust fault, defined
- Contact, defined
- Fault, inferred from airphoto
- Contact, inferred
- Contact, approximate
- Iola Property Boundary

Geology modified from Van Angeren, 1982

RACKLA METALS INC

Iola, Yukon Territory
Ag Geochemical Results

Scale: 1:30,000	*NTS: 105F/06*
Date: 2013-02-25	*NAD 83, Zone 8*
Author: SD	*Figure: 8*



Stream Sediment
Cu (ppm)
- 33.35
- 33.36 - 303.60
- 303.61 - 331.89

Rock
Cu (ppm)
- 0.54 - 8.38 [0 < 30%]
- 8.39 - 35.95 [30 < 60%]
- 35.96 - 105.69 [60 < 80%]
- 105.70 - 110.47 [80 < 90%]
- 110.48 - 158.81 [90 < 95%]
- 158.82 - 516.05 [95 < 100%]

Soil
Cu (ppm)
- 1.87 - 25.55 [0 < 30%]
- 25.56 - 35.12 [30 < 60%]
- 35.13 - 49.04 [60 < 80%]
- 49.05 - 63.37 [80 < 90%]
- 63.38 - 79.75 [90 < 95%]
- 79.76 - 117.20 [95 < 98%]
- 117.21 - 188.16 [98 < 99%]
- 188.17 - 263.36 [99 < 100%]

Lithology
- 3 Massive Greenstone, Andesite and Tuff
- 2c White Quartzite
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- 1 Micaceous Quartzite

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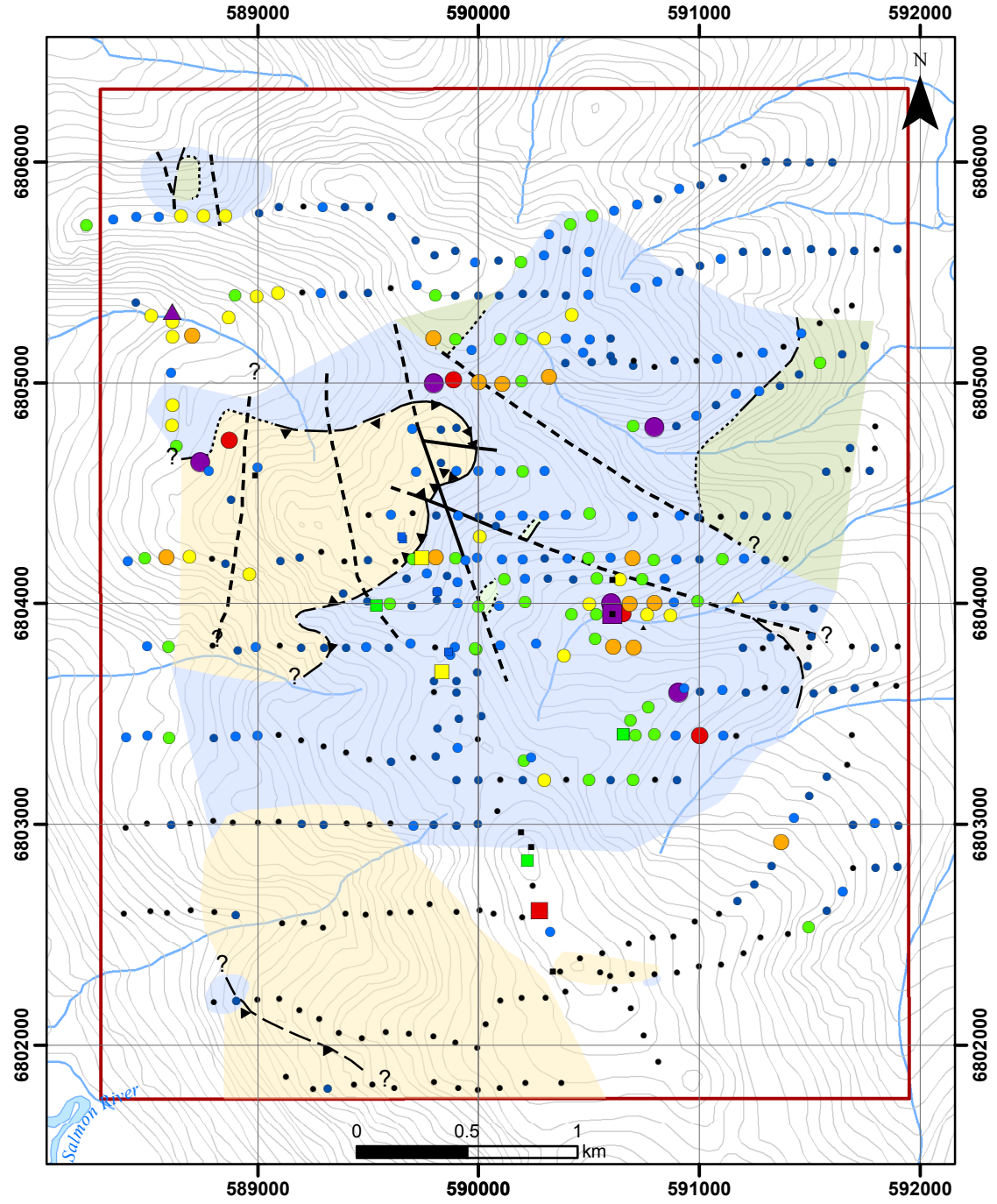
- Fault, defined
- Thrust fault, defined
- Contact, defined
- Fault, inferred from airphoto
- Contact, inferred
- Contact, approximate
- Iola Property Boundary

Geology modified from Van Angeren, 1982

RACKLA METALS INC

Iola, Yukon Territory
Cu Geochemical Results

Scale: 1:30,000	*NTS: 105F/06*
Date: 2013-02-25	*NAD 83, Zone 8*
Author: SD	*Figure: 9*



Stream Sediment
Pb (ppm)
- 41.45
- 41.46 - 53.39
- 53.40 - 75.98

Rock
Pb (ppm)
- 0.01 - 0.69 [0 < 30%]
- 0.70 - 4.12 [30 < 60%]
- 4.13 - 9.72 [60 < 80%]
- 9.73 - 11.85 [80 < 90%]
- 11.86 - 13.94 [90 < 95%]
- 13.95 - 18.53 [95 < 100%]

Soil
Pb (ppm)
- 0.24 - 14.07 [0 < 30%]
- 14.07 - 25.79 [30 < 60%]
- 25.80 - 40.00 [60 < 80%]
- 40.01 - 66.41 [80 < 90%]
- 66.42 - 118.42 [90 < 95%]
- 118.43 - 221.20 [95 < 98%]
- 221.21 - 348.68 [98 < 99%]
- 348.69 - 2183.53 [99 < 100%]

Lithology
- 3 Massive Greenstone, Andesite and Tuff
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- Fault, defined
- Thrust fault, defined
- Contact, defined
- Fault, inferred from airphoto
- Contact, inferred
- Contact, approximate
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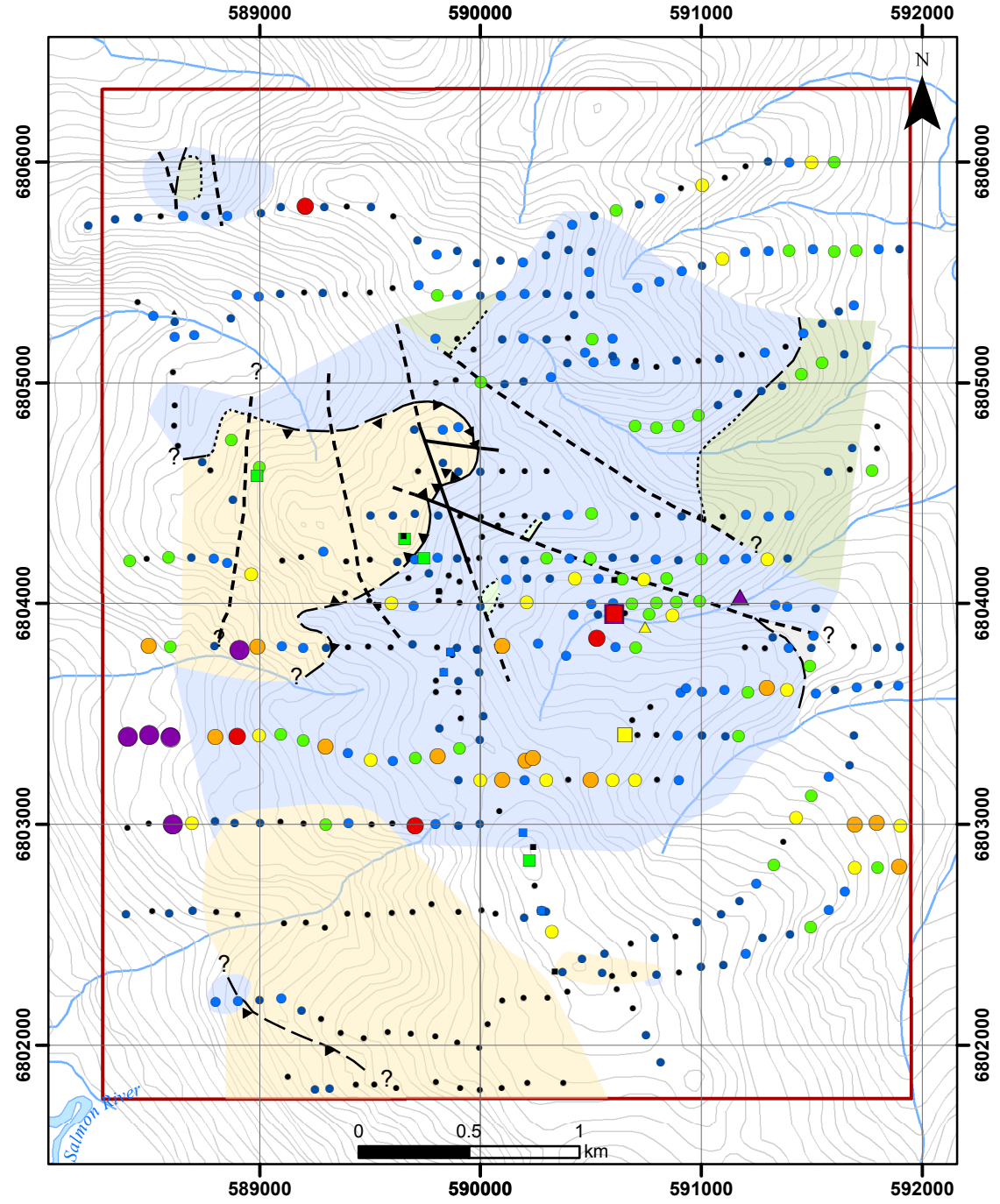
Geology modified from Van Angeren, 1982

RACKLA METALS INC

Iola, Yukon Territory
Pb Geochemical Results

Scale: 1:30,000	*NTS: 105F/06*
Date: 2013-02-25	*NAD 83, Zone 8*
Author: SD	*Figure: 10*



Stream Sediment
Zn (ppm)
- 176.7
- 176.8 - 1990.6
- 1990.7 - 2676.7

Rock
Zn (ppm)
- 1.0 - 22.6 [0 < 30%]
- 22.7 - 48.5 [30 < 60%]
- 48.6 - 337.6 [60 < 80%]
- 337.7 - 494.6 [80 < 90%]
- 494.7 - 982.8 [90 < 95%]
- 982.9 - 2522.6 [95 < 100%]

Soil
Zn (ppm)
- 5.5 - 70.4 [0 < 30%]
- 70.5 - 113.9 [30 < 60%]
- 114.0 - 173.5 [60 < 80%]
- 173.6 - 241.1 [80 < 90%]
- 241.2 - 342.8 [90 < 95%]
- 342.9 - 774.1 [95 < 98%]
- 774.2 - 1379.8 [98 < 99%]
- 1379.9 - 8277.4 [99 < 100%]

Lithology
- 3 Massive Greenstone, Andesite and Tuff
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- 1 Micaceous Quartzite

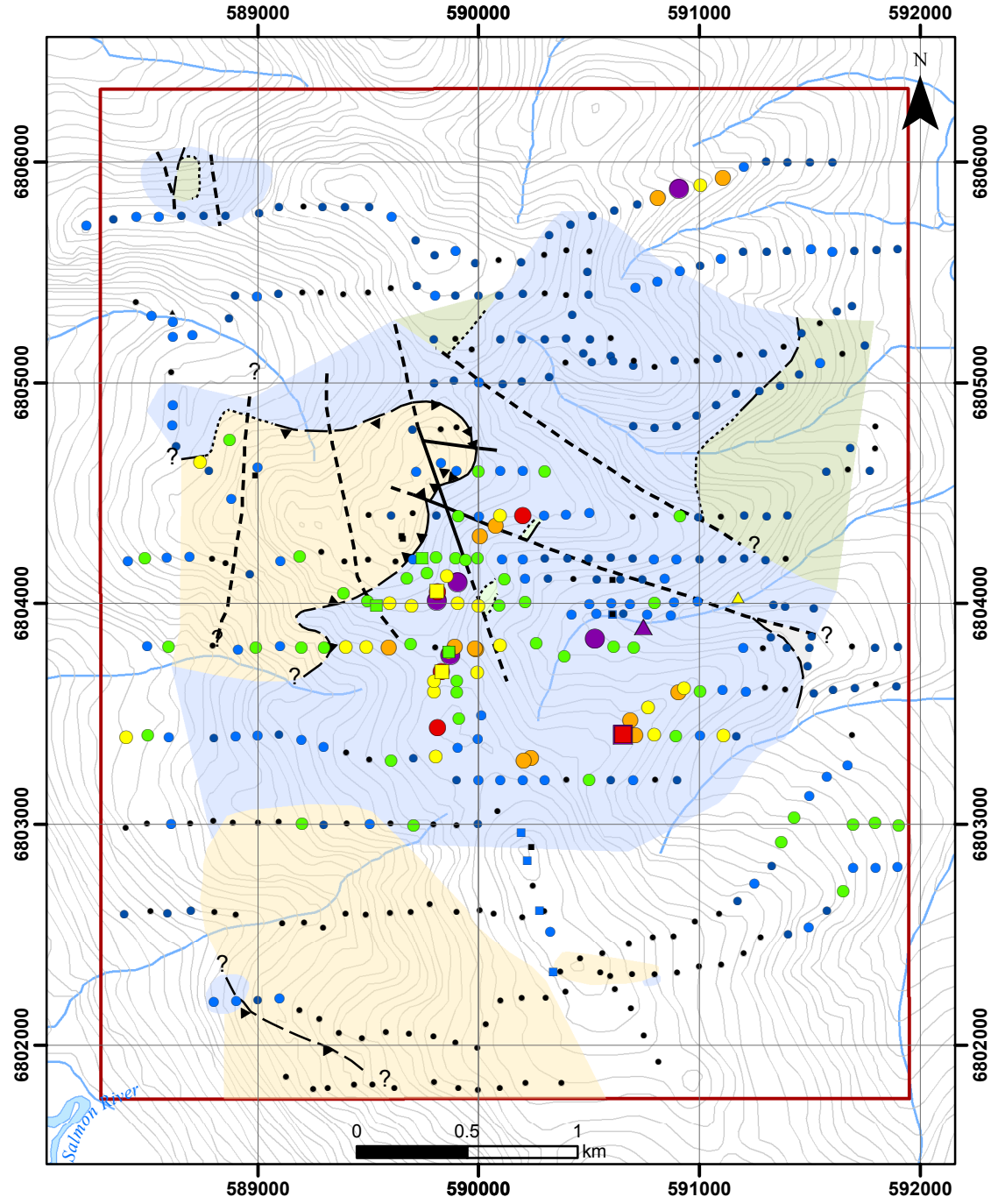
- Thrust fault, approximate
- Fault, defined
- Thrust fault, defined
- Contact, defined
- Fault, inferred from airphoto
- Contact, inferred
- Contact, approximate
- Iola Property Boundary

Geology modified from Van Angeren, 1982

RACKLA METALS INC

Iola, Yukon Territory
Zn Geochemical Results

Scale: 1:30,000	*NTS: 105F/06*
Date: 2013-02-25	*NAD 83, Zone 8*
Author: SD	*Figure: 11*



Stream Sediment
Mo (ppm)
- 2.48
- 2.49 - 65.45
- 65.46 - 135.28

Rock
Mo (ppm)
- 0.01 - 0.34 [0 < 30%]
- 0.35 - 6.79 [30 < 60%]
- 6.80 - 12.04 [60 < 80%]
- 12.05 - 66.99 [80 < 90%]
- 67.00 - 75.72 [90 < 95%]
- 75.73 - 78.17 [95 < 100%]

Soil
Mo (ppm)
- 0.04 - 2.09 [0 < 30%]
- 2.10 - 3.36 [30 < 60%]
- 3.37 - 7.55 [60 < 80%]
- 7.56 - 16.70 [80 < 90%]
- 16.71 - 32.63 [90 < 95%]
- 32.64 - 50.77 [95 < 98%]
- 50.78 - 71.01 [98 < 99%]
- 71.02 - 262.24 [99 < 100%]

Lithology
- 3 Massive Greenstone, Andesite and Tuff
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- 1 Micaceous Quartzite

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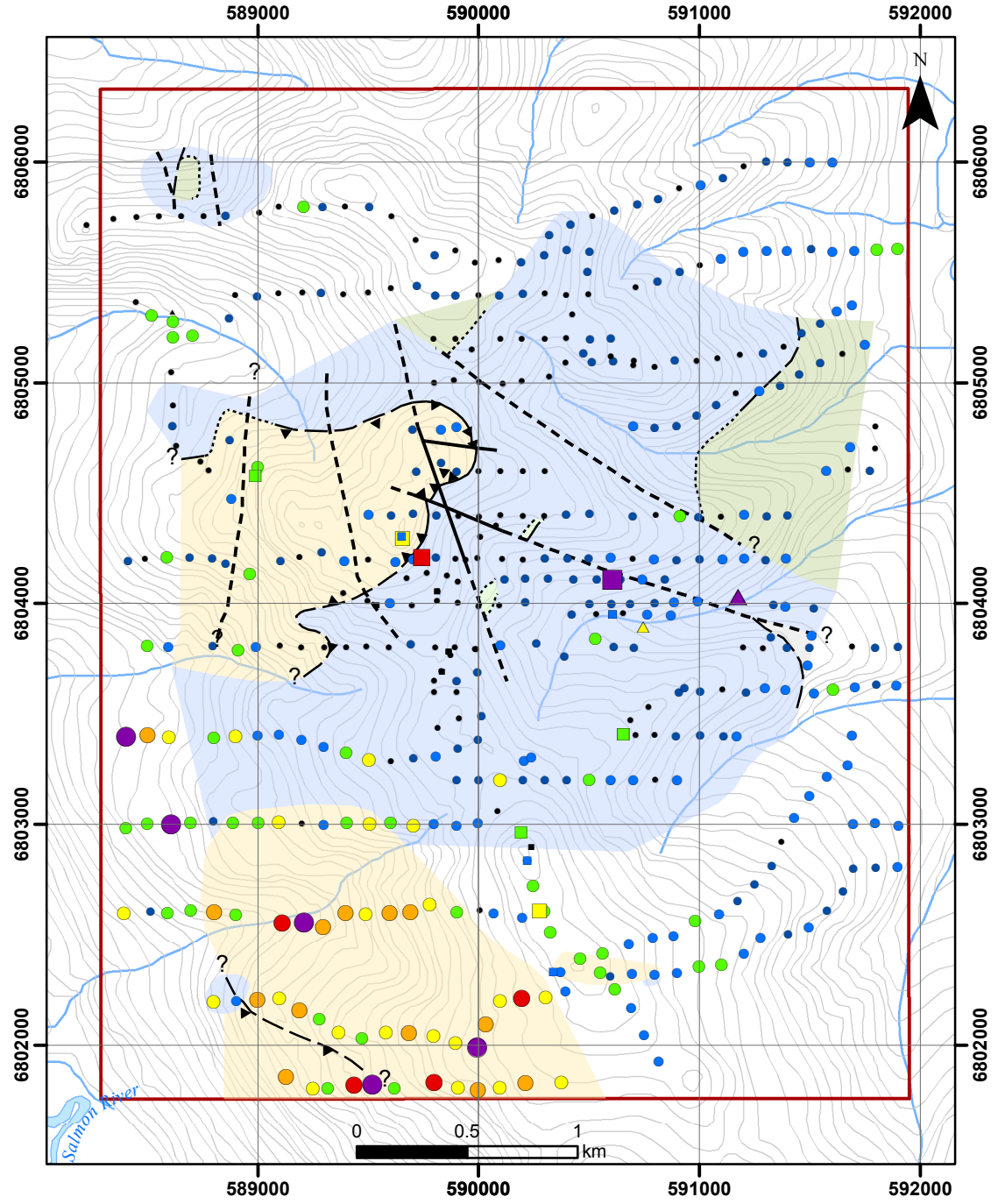
- Thrust fault, defined
- Contact, defined
- Fault, inferred from airphoto
- Contact, inferred
- Contact, approximate
- Iola Property Boundary

Geology modified from Van Angeren, 1982

RACKLA METALS INC

Iola, Yukon Territory
Mo Geochemical Results

Scale: 1:30,000	*NTS: 105F/06*
Date: 2013-02-25	*NAD 83, Zone 8*
Author: SD	*Figure: 12*



Stream Sediment
Ni (ppm)
- 59.5
- 59.6 - 502.7
- 502.8 - 507.7

Rock
Ni (ppm)
- 0.9 - 4.3 [0 < 30%]
- 4.4 - 28.1 [30 <60%]
- 28.2 - 45.2 [60 < 80%]
- 45.3 - 56.8 [80 < 90%]
- 56.9 - 141.3 [90 < 95%]
- 141.4 - 559.8 [95 < 100%]

Soil
Ni (ppm)
- 1.1 - 24.4 [0 < 30%]
- 24.5 - 46.9 [30 < 60%]
- 47.0 - 106.5 [60 < 80%]
- 106.6 - 286.0 [80 < 90%]
- 286.1 - 503.4 [90 < 95%]
- 503.5 - 762.4 [95 < 98%]
- 762.5 - 1081.0 [98 < 99%]
- 1081.1 - 2025.2 [99 < 100%]

Lithology
- 3 Massive Greenstone, Andesite and Tuff
- 2c White Quartzite
- 2b Black Shale, Slate, Argillite
- 2a Chert Pebble Conglomerate and Greywacke
- 1 Micaceous Quartzite

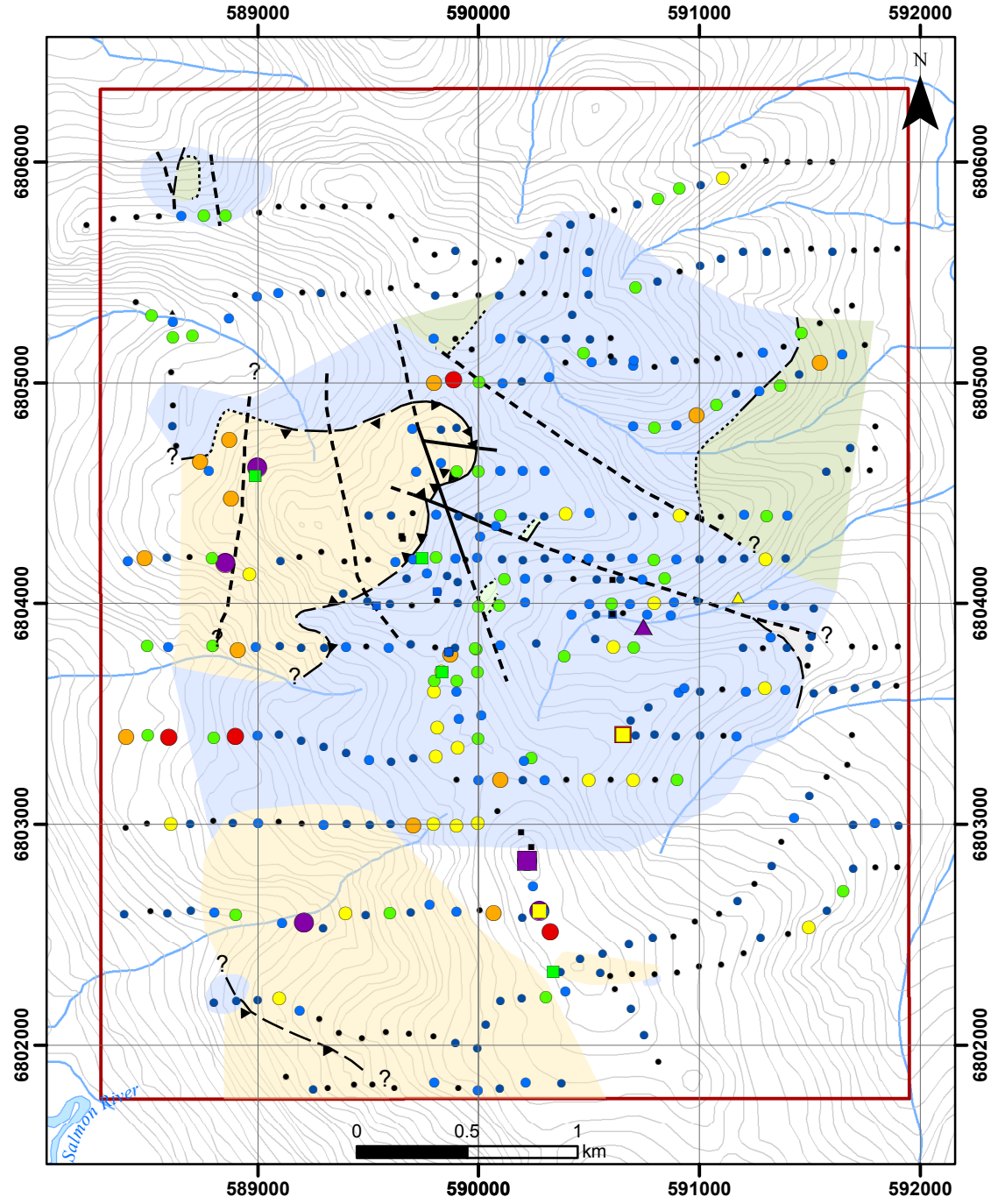
- Thrust fault, approximate
- Fault, defined
- Thrust fault, defined
- Contact, defined
- Fault, inferred from airphoto
- Contact, inferred
- Contact, approximate
- Iola Property Boundary

Geology modified from Van Angeren, 1982

RACKLA METALS INC

Iola, Yukon Territory
Ni Geochemical Results

Scale: 1:30,000	*NTS: 105F/06*
Date: 2013-02-25	*NAD 83, Zone 8*
Author: SD	*Figure: 13*



Stream Sediment

As (ppm)

- 42.4
- 42.5 - 122.7
- 122.8 - 186.5

Rock

As (ppm)

- 0.8 - 7.6 [0 < 30%]
- 7.7 - 34.4 [30 < 60%]
- 34.5 - 182.5 [60 < 80%]
- 182.6 - 291.9 [80 < 90%]
- 292.0 - 364.2 [90 < 95%]
- 364.3 - 696.3 [95 < 100%]

Soil

As (ppm)

- 0.4 - 20.6 [0 < 30%]
- 20.7 - 38.3 [30 < 60%]
- 38.4 - 62.4 [60 < 80%]
- 62.5 - 86.3 [80 < 90%]
- 86.4 - 155.7 [90 < 95%]
- 155.8 - 230.9 [95 < 98%]
- 231.0 - 474.9 [98 < 99%]
- 475.0 - 12400.0 [99 < 100%]

Lithology

- 3 Massive Greenstone, Andesite and Tuff
- 2c White Quartzite
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- 1 Micaceous Quartzite

- Thrust fault, approximate
- Fault, defined
- Thrust fault, defined
- Contact, defined
- Fault, inferred from airphoto
- Contact, inferred
- Contact, approximate
- Iola Property Boundary

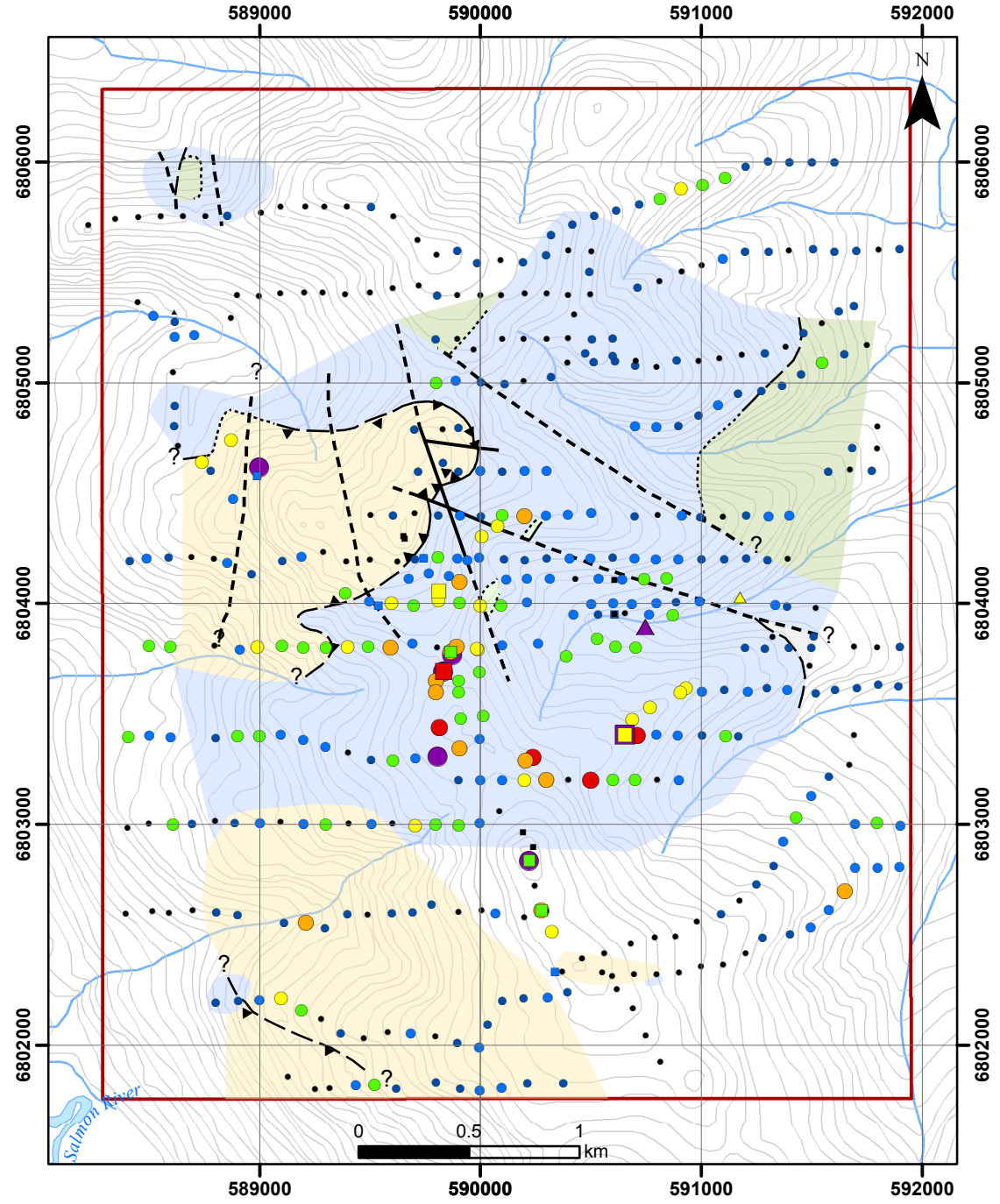
Geology modified from Van Angeren, 1982

RACKLA METALS INC

Iola, Yukon Territory

As Geochemical Results

Scale: 1:30,000	*NTS: 105F/06*
Date: 2013-02-25	*NAD 83, Zone 8*
Author: SD	*Figure: 14*



Stream Sediment

Sb (ppm)

- 1.68
- 1.69 - 10.31
- 10.32 - 18.98

Rock

Sb (ppm)

- 0.08 - 0.39 [0 < 30%]
- 0.40 - 5.36 [30 < 60%]
- 5.37 - 20.53 [60 < 80%]
- 20.54 - 40.67 [80 < 90%]
- 40.68 - 53.44 [90 < 95%]
- 53.45 - 62.57 [95 < 100%]

Soil

Sb (ppm)

- 0.03 - 1.72 [0 < 30%]
- 1.73 - 3.07 [30 < 60%]
- 3.08 - 6.15 [60 < 80%]
- 6.16 - 11.17 [80 < 90%]
- 11.18 - 15.08 [90 < 95%]
- 15.09 - 30.64 [95 < 98%]
- 30.65 - 42.40 [98 < 99%]
- 42.41 - 129.88 [99 < 100%]

Lithology

- 3 Massive Greenstone, Andesite and Tuff
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- Thrust fault, approximate
- Fault, defined
- Thrust fault, defined
- Contact, defined
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- Contact, inferred
- Contact, approximate
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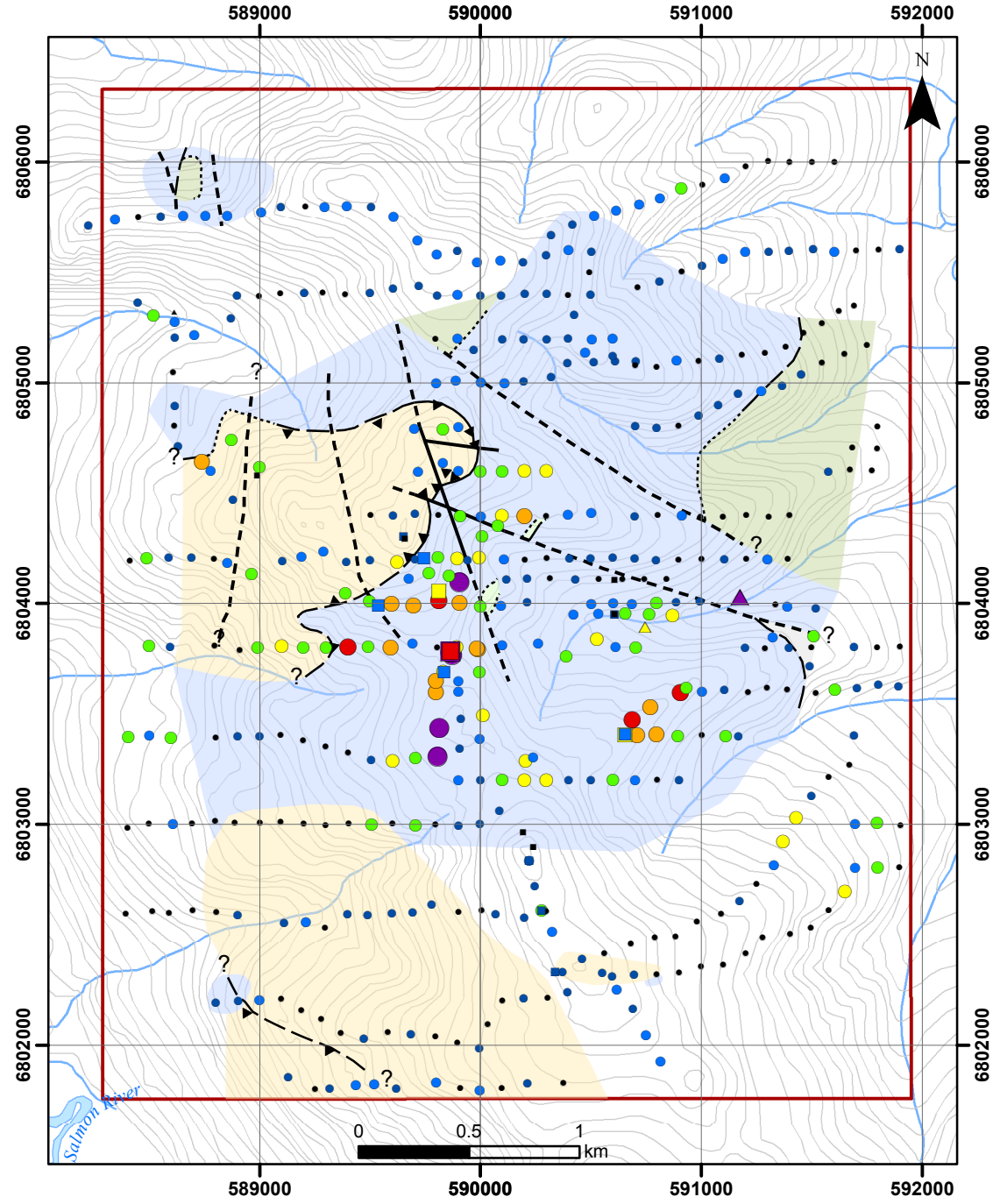
Geology modified from Van Angeren, 1982

RACKLA METALS INC

Iola, Yukon Territory

Sb Geochemical Results

Scale: 1:30,000	*NTS: 105F/06*
Date: 2013-02-25	*NAD 83, Zone 8*
Author: SD	*Figure: 15*



Stream Sediment
Hg (ppb)
- 41
- 42 - 135
- 136 - 137

Rock
Hg (ppb)
- 3 - 9 [0 < 30%]
- 10 - 29 [30 < 60%]
- 30 - 153 [60 < 80%]
- 154 - 303 [80 < 90%]
- 304 - 460 [90 < 95%]
- 461 - 643 [95 < 100%]

Soil
Hg (ppb)
- 3 - 18 [0 < 30%]
- 19 - 34 [30 < 60%]
- 35 - 69 [60 < 80%]
- 70 - 126 [80 < 90%]
- 127 - 357 [90 < 95%]
- 358 - 837 [95 < 98%]
- 838 - 1736 [98 < 99%]
- 1737 - 3988 [99 < 100%]

Lithology
- 3 Massive Greenstone, Andesite and Tuff
- 2c White Quartzite
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- 2a Chert Pebble Conglomerate and Greywacke
- 1 Micaceous Quartzite

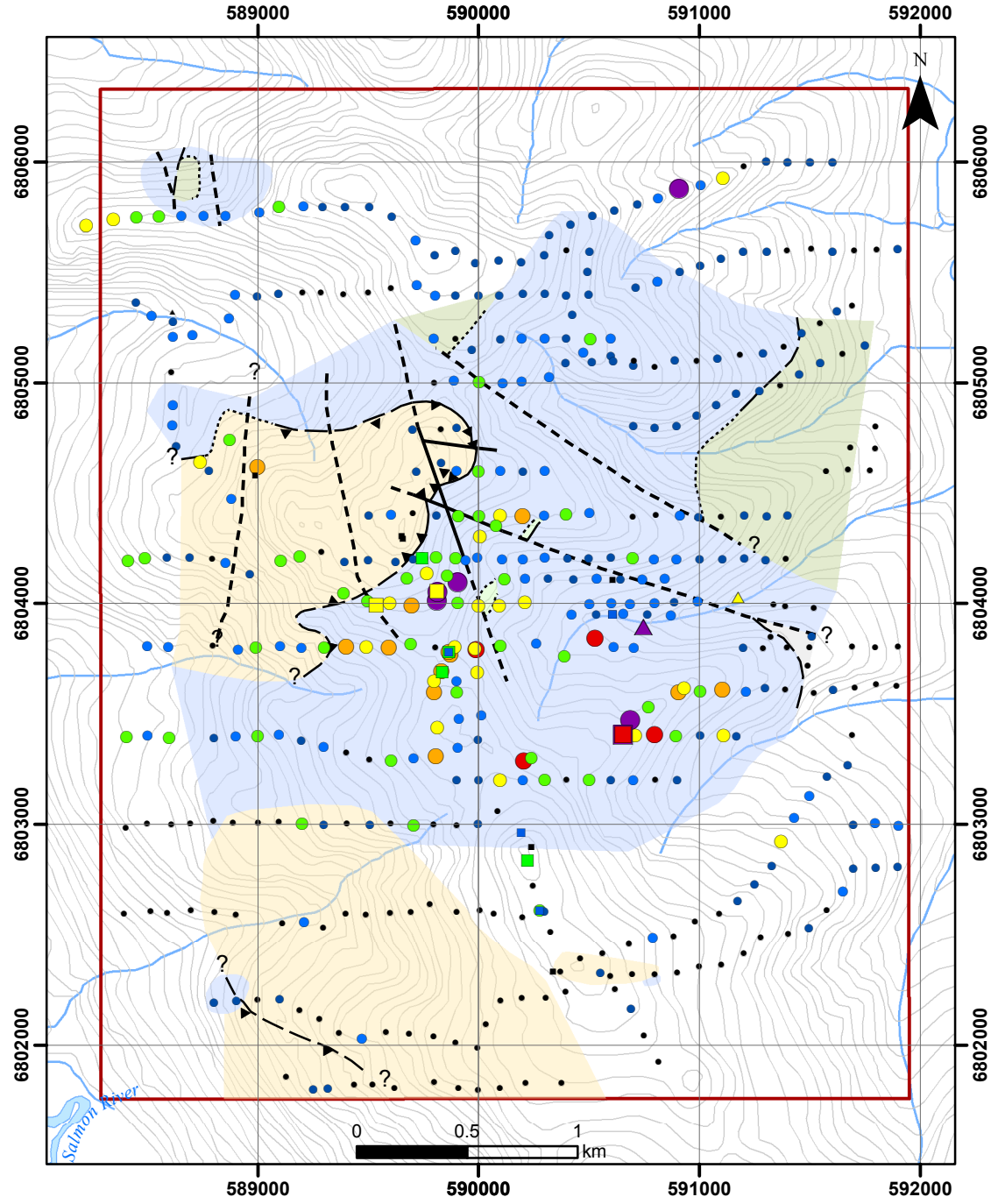
- Thrust fault, approximate
- Fault, defined
- Thrust fault, defined
- Contact, defined
- Fault, inferred from airphoto
- Contact, inferred
- Contact, approximate
- Iola Property Boundary

Geology modified from Van Angeren, 1982

RACKLA METALS INC

Iola, Yukon Territory
Hg Geochemical Results

Scale: 1:30,000	*NTS: 105F/06*
Date: 2013-02-25	*NAD 83, Zone 8*
Author: SD	*Figure: 16*



Stream Sediment
Tl (ppm)
- 0.18
- 0.19 - 1.16
- 1.17 - 2.00

Rock
Tl (ppm)
- 0.01 - 0.04 [0 < 30%]
- 0.05 - 0.20 [30 < 60%]
- 0.21 - 0.38 [60 < 80%]
- 0.39 - 0.89 [80 < 90%]
- 0.90 - 2.45 [90 < 95%]
- 2.46 - 3.28 [95 < 100%]

Soil
Tl (ppm)
- 0.01 - 0.10 [0 < 30%]
- 0.11 - 0.18 [30 < 60%]
- 0.19 - 0.31 [60 < 80%]
- 0.32 - 0.51 [80 < 90%]
- 0.52 - 0.82 [90 < 95%]
- 0.83 - 1.20 [95 < 98%]
- 1.21 - 1.76 [98 < 99%]
- 1.77 - 2.82 [99 < 100%]

Lithology
- 3 Massive Greenstone, Andesite and Tuff
- 2c White Quartzite
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- 1 Micaceous Quartzite

- Thrust fault, approximate
- Fault, defined
- Thrust fault, defined
- Contact, defined
- Fault, inferred from airphoto
- Contact, inferred
- Contact, approximate
- Iola Property Boundary

Geology modified from Van Angeren, 1982

RACKLA METALS INC

Iola, Yukon Territory
Tl Geochemical Results

Scale: 1:30,000	*NTS: 105F/06*
Date: 2013-02-25	*NAD 83, Zone 8*
Author: SD	*Figure: 17*