



ASSESSMENT REPORT ON THE 2011 GEOCHEMICAL SAMPLING AND PROSPECTING ON THE WOLF PROPERTY

LOCATED IN THE WHITEHORSE MINING DISTRICT

WOLF 1 - 378	YD91041 – YD91418
WOLF 387 – 414	YD91427 – YD91454
WOLF 427 – 446	YD91467 – YD91486
WOLF 451 – 460	YD91491 – YD91500
WOLF 461 – 506	YD72091 – YD72136
WOLF 509 – 708	YD72139 – YD72338
WOLF 709 – 1062	YD121309 – YD121662

NAD83 ZONE 7

UTM COORDINATES 554000E, 6878500N

NTS MAPSHEETS 105K/01, 115F/16, 115J/04, 115G/13, 115J/03, 115G/14

OWNER

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REPORT BY

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March 27, 2011

Work Period: June 1 – September 11, 2011

TABLE OF CONTENTS

1.0	Summary.....	1
2.0	Location and Access.....	1
3.0	Claim Status.....	3
4.0	Property History.....	4
5.0	Geological Setting	
5.1	Regional Geology.....	12
5.2	Property Geology.....	14
6.0	Deposit Types.....	14
7.0	Mineralization.....	15
8.0	2011 Exploration Program.....	16
9.0	Geochemical Analytical Procedures.....	17
10.0	Interpretation and Conclusions.....	18
11.0	References.....	21

LIST OF FIGURES

1	Property Location Map.....	2
2	Claim Group Location Map.....	4
3	Claim Maps	
3a	Wolf 1 Claim Map.....	8
3b	Wolf 2 Claim Map.....	9
3c	Wolf 3N Claim Map.....	10
3d	Wolf 4 Claim Map.....	11
4	Regional Geology Map	
5	Stream Sediment Sample Location Map.....	In Pocket
6	Stream Sediment Geochemistry Maps	
6a	Stream Sediment Geochemistry: Au.....	In Pocket
6b	Stream Sediment Geochemistry: As.....	In Pocket
6c	Stream Sediment Geochemistry: Bi.....	In Pocket
7	Soil Sample Location Maps	
7a	Wolf 1&2 Soil Sample Locations.....	In Pocket
7b	Wolf 3N & 4 Soil Sample Locations.....	In Pocket
8	Soil Geochemistry Maps	
8a	Wolf 1 & 2 Soil Geochemistry: Au.....	In Pocket
8b	Wolf 1 & 2 Soil Geochemistry: As.....	In Pocket
8c	Wolf 1 & 2 Soil Geochemistry: Bi.....	In Pocket
8d	Wolf 3N & 4 Soil Geochemistry: Au.....	In Pocket

8e	Wolf 3N & 4 Soil Geochemistry: As.....	In Pocket
8f	Wolf 3N & 4 Soil Geochemistry: Bi.....	In Pocket
9	Rock Sample Location Map.....	In Pocket
10	Rock Geochemistry Maps	
10a	Rock Geochemistry: Au.....	In Pocket
10b	Rock Geochemistry: As.....	In Pocket
10c	Rock Geochemistry: Bi.....	In Pocket

LIST OF TABLES

1	Wolf 1 Claim Summary.....	5
2	Wolf 2 Claim Summary.....	6
3	Wolf 3N Claim Summary.....	7
4	Wolf 4 Claim Summary.....	8

APPENDICES

Appendix I	Statement of Qualifications
Appendix II	Statement of Expenditures
Appendix III	Rock Sample Observations
Appendix IV	Stream Geochemical Analytical Certificates
Appendix V	Soil Geochemical Analytical Certificates
Appendix VI	Rock Geochemical Analytical Certificates

1.0 SUMMARY

This report discusses geochemical sampling and prospecting carried out on the Wolf Property by Teck Resources Limited during the 2011 exploration program. The program focused on exploration for gold mineralization associated with the Nisling Range Batholith with the aim of identifying targets for future testing by diamond drilling.

The 2011 program consisted of soil and stream geochemical sampling and prospecting completed between early June and mid-September. A total of 51 stream sediment samples, 1429 soil samples and 273 rock samples were collected from the Wolf claims.

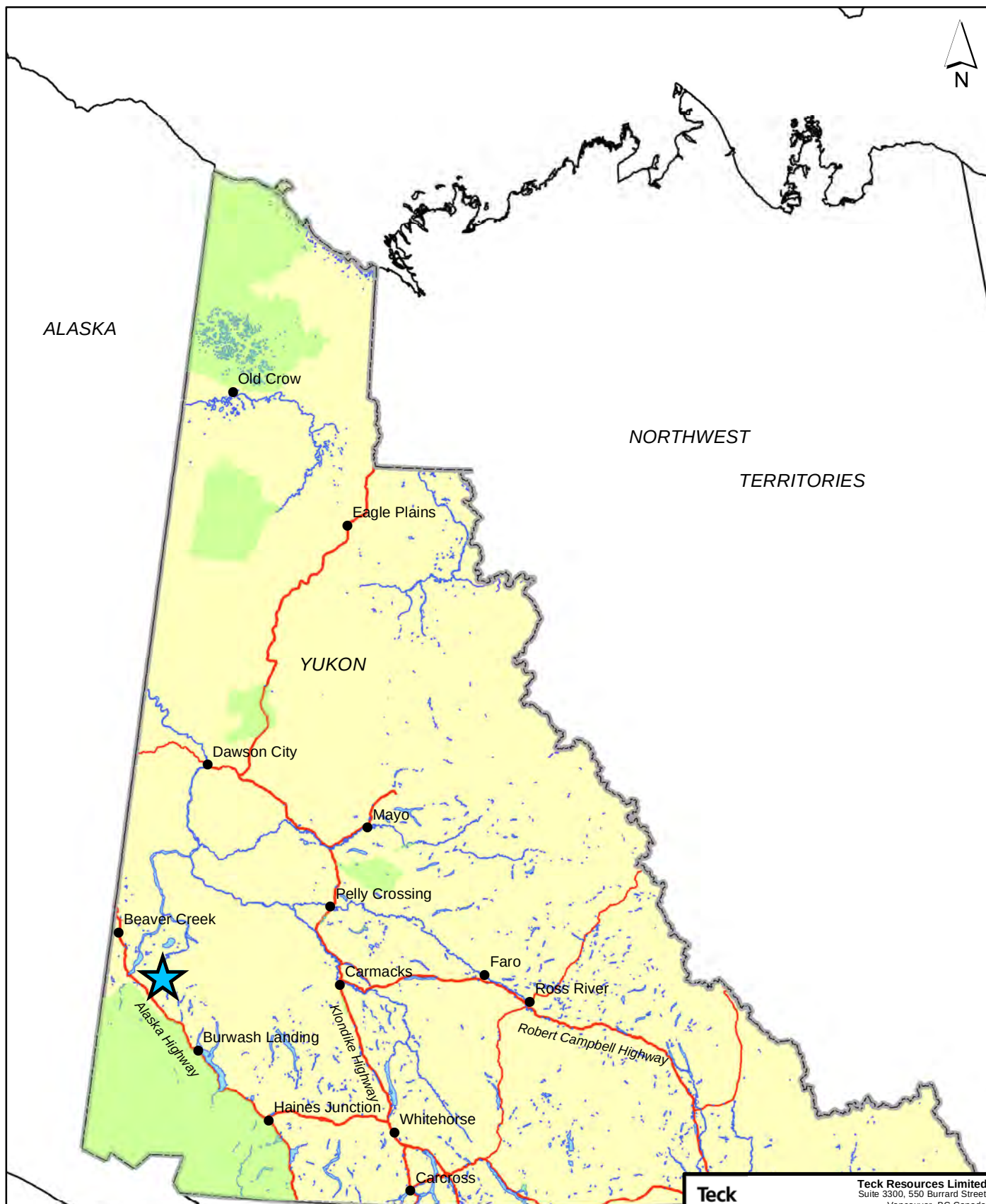
Significant soil and/or rock anomalies were located in the Hailstorm (Wolf 2), Big Bend (Wolf 1) and Beach (Wolf 4) zones along with other poorly defined soil anomalies that require further confirmation. Mineralization at the Big Bend and Hailstorm targets is associated with low-density, quartz-(sulphide) veins with anomalous gold, cutting equigranular granodiorite of the Nisling Range Batholith. Mineralization in the Beach zone comprises stockwork quartz-(sulphide) veinlets and disseminated sulphide, with associated chlorite-(biotite) alteration in a fine- to medium-grained diorite. The diorite intrudes Finlayson assemblage rocks along the north margin of the Nisling Range batholith.

2.0 LOCATION AND ACCESS

The Wolf Property is located within the Nisling Range in the southwestern portion of Yukon Territory, approximately 310km northwest of the city of Whitehorse, and 55km southeast of the community of Beaver Creek. The White River lies to the west of the property, and the Donjek River runs between the Wolf 3 and 4 claim groups. The Alaska / Yukon geographical border is located approximately 30km north of Beaver Creek along the Alaska Highway. The property lies to the north of the highway. All claims that make up the Wolf property fall within the Whitehorse Mining District.

Access to the property is gained by helicopter transport from either the community of Beaver Creek or the White River Lodge, which is located at kilometer 1818 on the Alaska Highway. The Alaska Highway is well-travelled, with several communities located between Whitehorse and Beaver Creek. Beaver Creek has a maintained community aerodrome, as well as several hotels, gas stations and restaurants. The White River Lodge is located on the south side of the Alaska Highway, and has an owner-maintained airstrip which is useful for helicopter staging and fueling.

Topography in the region is mountainous with several major stream and river valleys on and between claim blocks. The highest altitudes on the property are around 5000 feet, and most



Wolf Property

- Parks and Protected Areas
- Secondary Highway
- Primary Highway

BRITISH
COLUMBIA

0 100 200
Km

Teck

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

Wolf Property

Whitehorse Mining District / Yukon Territory

Property Location Map

DATUM: NAD 83

PROJECTION: Yukon Albers

Figure

DATE: March 27, 2012

DRAWN BY: A.Langerud

1

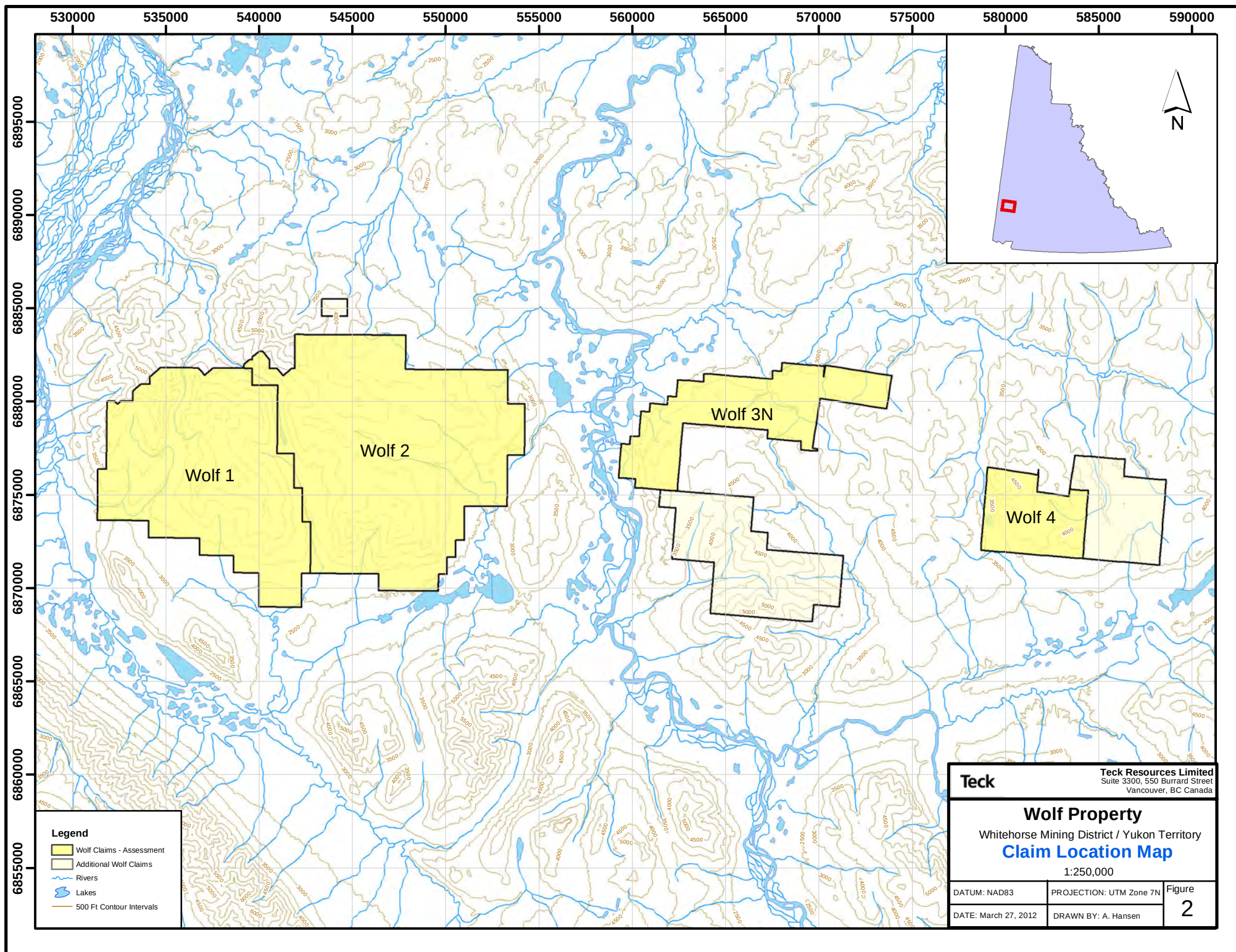
ridge tops are above tree line and generally broad and rocky or hummocky. Lower on the ridges and in valleys, vegetation consists of stunted spruce, alder and moss. Wildlife observed on and around the property includes moose, caribou, grizzly bear, black bear, several bird species and small rodents.

3.0 CLAIM STATUS

The Wolf Property is split into claim groupings for assessment purposes. The groupings are referred to herein as Wolf 1, Wolf 2, Wolf 3N and Wolf 4. Figure 2 shows the location of each group of claims within the property. The operator for all claims listed is Teck Resources Limited. Additional claims within the Wolf project include Wolf 1067 – 1072 (small block north of Wolf 2), Wolf 1445 – 1630 (group of claims south of the Wolf 3N grouping), and Wolf 1679 – 1786 (claims adjacent to Wolf 4 on the east side). These claims were staked in late August 2011 and December 2011, and as such 2011 exploration work will not be applied to them for this assessment. The following is a summary of the claim groups on which 2011 work was completed.

Wolf 1

The Wolf 1 claim group consists of 466 contiguous quartz mining claims in the Whitehorse Mining District of the Yukon Territory. The property is located on the NTS sheets 115K/01 and 115F/16. All 466 claims are 100% owned by Teck Resources Limited. The WOLF 1 -228 and WOLF 581 – 708 claims were all part of the original claim package, staked in 2010. The requested renewal date based on the assessment work herein for WOLF 1 – 228 and WOLF 581 – 708 (356 claims in total) is March 6, 2015. The claims numbered between WOLF 1106 and WOLF 1347 were staked in late August of the 2011 field season, and therefore none of the 2011 exploration costs will be applied to these claims for assessment purposes. This has been incorporated into the report and calculations for the statement of exploration expenditures. Figure 3a shows the location of the Wolf 1 claims.



- Legend**
- Wolf Claims - Assessment
 - Additional Wolf Claims
 - Rivers
 - Lakes
 - 500 Ft Contour Intervals

Teck		Teck Resources Limited Suite 3300, 550 Burrard Street Vancouver, BC Canada	
Wolf Property Whitehorse Mining District / Yukon Territory Claim Location Map 1:250,000			
DATUM: NAD83	PROJECTION: UTM Zone 7N	Figure 2	
DATE: March 27, 2012	DRAWN BY: A. Hansen		

Claim Name	Grant Number	Number of Claims	Owner	Expiry Date
WOLF 1 - 228	YD91041 – YD91268	228	Teck Resources Ltd.	October 1, 2015
WOLF 581 – 708	YD72211 – YD72338	128	Teck Resources Ltd.	October 1, 2015
WOLF 1106 – 1119	YF23606 – YF23619	14	Teck Resources Ltd.	August 29, 2012
WOLF 1130 – 1143	YF23630 – YF23646	14	Teck Resources Ltd.	August 29, 2012
WOLF 1154 – 1167	YF23654 – YF23667	14	Teck Resources Ltd.	August 29, 2012
WOLF 1178 – 1189	YF23678 – YF23689	12	Teck Resources Ltd.	August 29, 2012
WOLF 1200 – 1209	YF23700 – YF23709	10	Teck Resources Ltd.	August 29, 2012
WOLF 1226 – 1235	YF23726 – YF23735	10	Teck Resources Ltd.	August 29, 2012
WOLF 1248 – 1253	YF23748 – YF23753	6	Teck Resources Ltd.	August 29, 2012
WOLF 1274 - 1281	YF23774 – YF23781	8	Teck Resources Ltd.	August 29, 2012
WOLF 1294 – 1301	YF23794 – YF23801	8	Teck Resources Ltd.	August 29, 2012
WOLF 1314 – 1319	YF23814 – YF23819	6	Teck Resources Ltd.	August 29, 2012
WOLF 1330 – 1335	YF23830 – YF23835	6	Teck Resources Ltd.	August 29, 2012
WOLF 1346 – 1347	YF23846 – YF23847	2	Teck Resources Ltd.	August 29, 2012

Table 1: Wolf 1 Claim Summary

Wolf 2

The Wolf 2 claim group consists of 647 contiguous quartz mining claims in the Whitehorse Mining District of the Yukon Territory. The property is located on the NTS sheets 115K/01, 115F/16, 115J/04 and 115G13. All claims are 100% owned by Teck Resources Limited. The claims numbered between WOLF 228 and WOLF 795 are all part of the original claim package, which were staked in 2010. The requested renewal date based on the assessment work herein for Wolf 2 claims numbered between WOLF 228 – 795 (413 claims in total) is March 6, 2016. The claims numbered between WOLF 1095 and WOLF 1444 were staked in late August of the 2011 field season, and therefore none of the 2011 exploration costs will be applied to these claims for assessment purposes. This has been incorporated into the report and calculations for the statement of exploration expenditures. Figure 3b shows the location of the Wolf 2 claims.

Claim Name	Grant Number	Number of Claims	Owner	Expiry Date
WOLF 229 - 378	YD91269 – YD91418	150	Teck Resources Ltd.	October 1, 2011
WOLF 387 – 414	YD91441 – YD91454	28	Teck Resources Ltd.	October 1, 2011
WOLF 427 – 446	YD91467 – YD91486	20	Teck Resources Ltd.	October 1, 2011
WOLF 451 – 460	YD91491 – YD91500	10	Teck Resources Ltd.	October 1, 2011
WOLF 461 – 506	YD72091 – YD72136	46	Teck Resources Ltd.	October 1, 2011
WOLF 509 – 580	YD72139 – YD72210	72	Teck Resources Ltd.	October 1, 2011
WOLF 709 – 795	YD21309 – YD21395	87	Teck Resources Ltd.	December 6, 2011
WOLF 1095 – 1099	YF23595 – YF23599	5	Teck Resources Ltd.	August 29, 2012
WOLF 1120 – 1129	YF23620 – YF23629	10	Teck Resources Ltd.	August 29, 2012
WOLF 1144 – 1153	YF23644 – YF23653	10	Teck Resources Ltd.	August 29, 2012
WOLF 1168 – 1177	YF23668 – YF23677	10	Teck Resources Ltd.	August 29, 2012
WOLF 1190 – 1199	YF23690 – YF23699	10	Teck Resources Ltd.	August 29, 2012
WOLF 1210 – 1225	YF23710 – YF23725	16	Teck Resources Ltd.	August 29, 2012
WOLF 1236 – 1247	YF23736 – YF23747	12	Teck Resources Ltd.	August 29, 2012
WOLF 1254 – 1273	YF23754 – YF23773	20	Teck Resources Ltd.	August 29, 2012
WOLF 1282 – 1293	YF23782 – YF23792	12	Teck Resources Ltd.	August 29, 2012
WOLF 1302 – 1313	YF23802 – YF23813	12	Teck Resources Ltd.	August 29, 2012
WOLF 1320 – 1329	YF23820 – YF23829	10	Teck Resources Ltd.	August 29, 2012
WOLF 1336 – 1345	YF23836 – YF23845	10	Teck Resources Ltd.	August 29, 2012
WOLF 1348 – 1357	YF23848 – YF23857	10	Teck Resources Ltd.	August 29, 2012
WOLF 1358 - 1442	YF23606 – YF23942	85	Teck Resources Ltd.	August 29, 2012
WOLF 1443 - 1444	YF24179 – YF24180	2	Teck Resources Ltd.	August 29, 2012

Table 2: Wolf 2 Claim Summary

Wolf 3N

The Wolf 3N claim group consists of 207 contiguous quartz mining claims in the Whitehorse Mining District of the Yukon Territory. The claims are located within NTS sheet 115J/04. All 207 claims are 100% owned by Teck Resources Limited, and were staked in late 2010. . The requested renewal date based on the assessment work herein for Wolf 3N claims is March 6, 2013. Figure 3c shows the location of the Wolf 3N claims.

Claim Name	Grant Number	Number of Claims	Owner	Expiry Date
WOLF 796 - 810	YD121396 – YD121410	15	Teck Resources Ltd.	December 6, 2011
WOLF 811	YD121411	1	Teck Resources Ltd.	December 16, 2011
WOLF 812 – 1002	YD121412 – YD121602	191	Teck Resources Ltd.	December 6, 2011

Table 3: Wolf 3N Claim Summary

Wolf 4

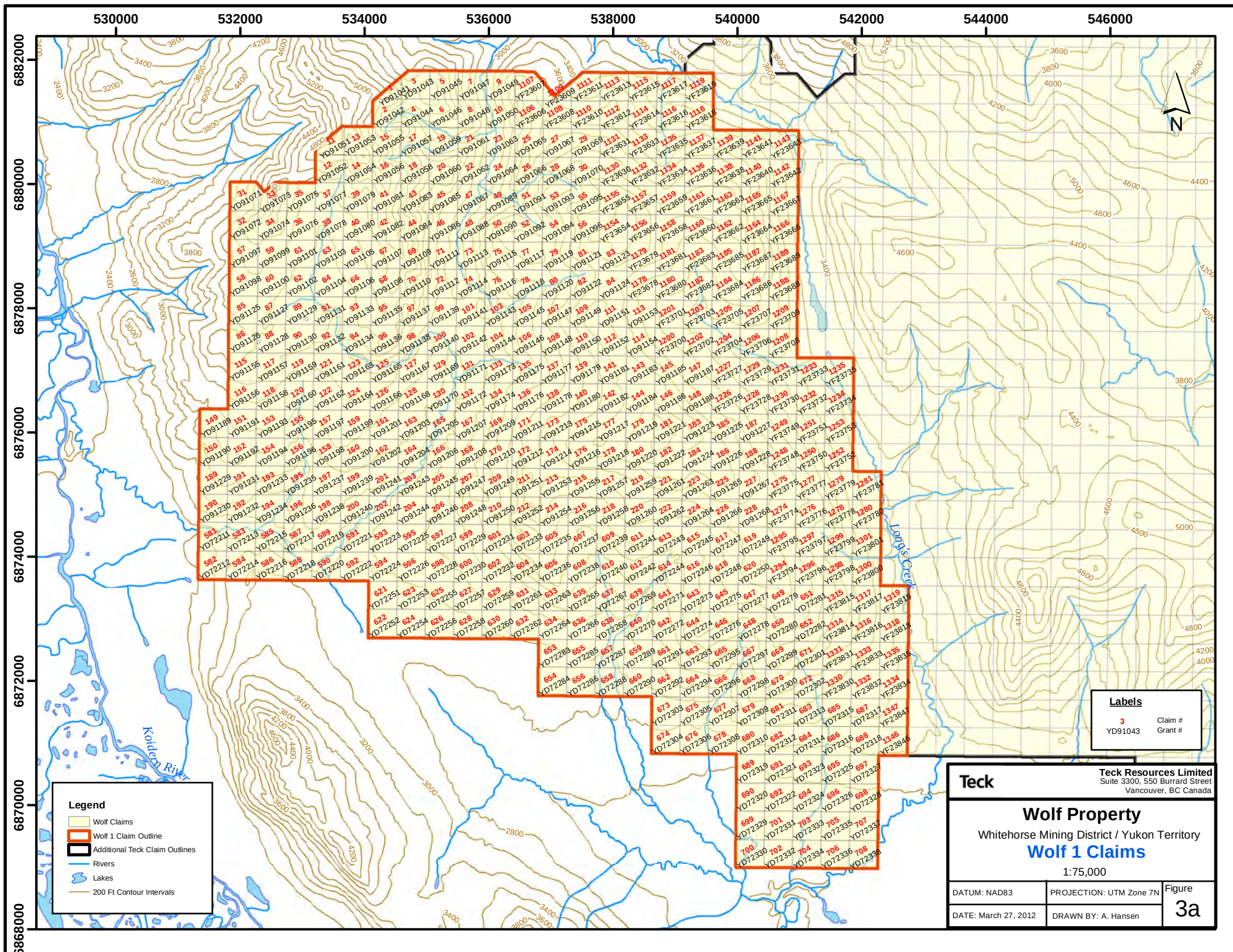
The Wolf 4 claim group consists of 108 contiguous quartz mining claims in the Whitehorse Mining District of the Yukon Territory. The property is located on NTS sheets 115G/14 and 115J/03. All 108 claims are 100% owned by Teck Resources Limited. The claims numbered between WOLF 1003 and WOLF 1062 are all part of the original claim package, which were staked in 2010. The requested renewal date based on the assessment work herein for WOLF 1003 – 1062 (60 claims in total) is March 6, 2015. The claims numbered between WOLF 1631 and WOLF 1678 were staked in late August of the 2011 field season, and therefore none of the 2011 exploration costs will be applied to these claims for assessment purposes. This has been incorporated into the report and calculations for the statement of exploration expenditures. Figure 3d shows the location of the Wolf 4 claims.

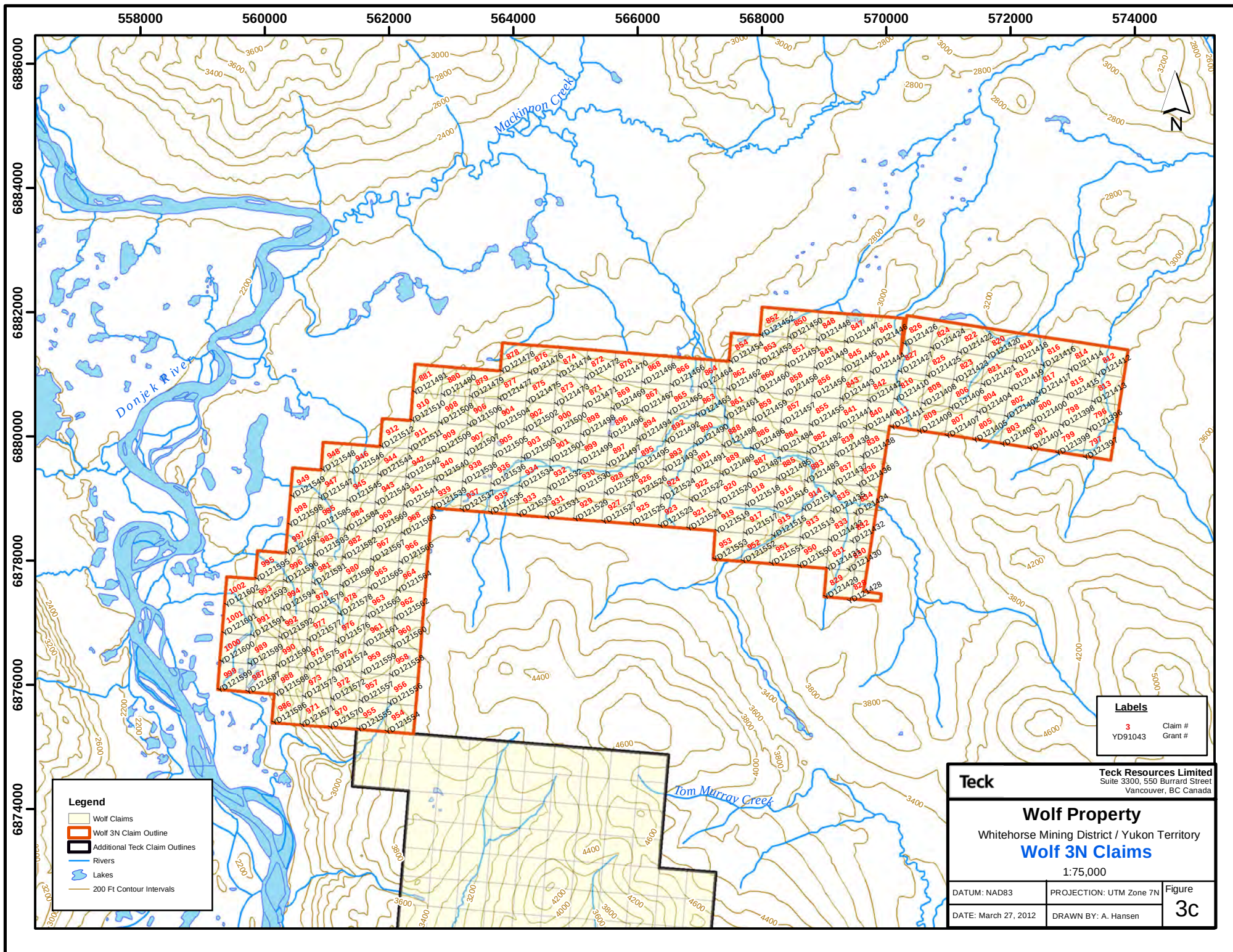
Claim Name	Grant Number	Number of Claims	Owner	Expiry Date
WOLF 1003 - 1062	YD121603 – YD121662	60	Teck Resources Ltd.	December 6, 2011
WOLF 1631 - 1678	YF24131 – YF24178	48	Teck Resources Ltd.	August 29, 2012

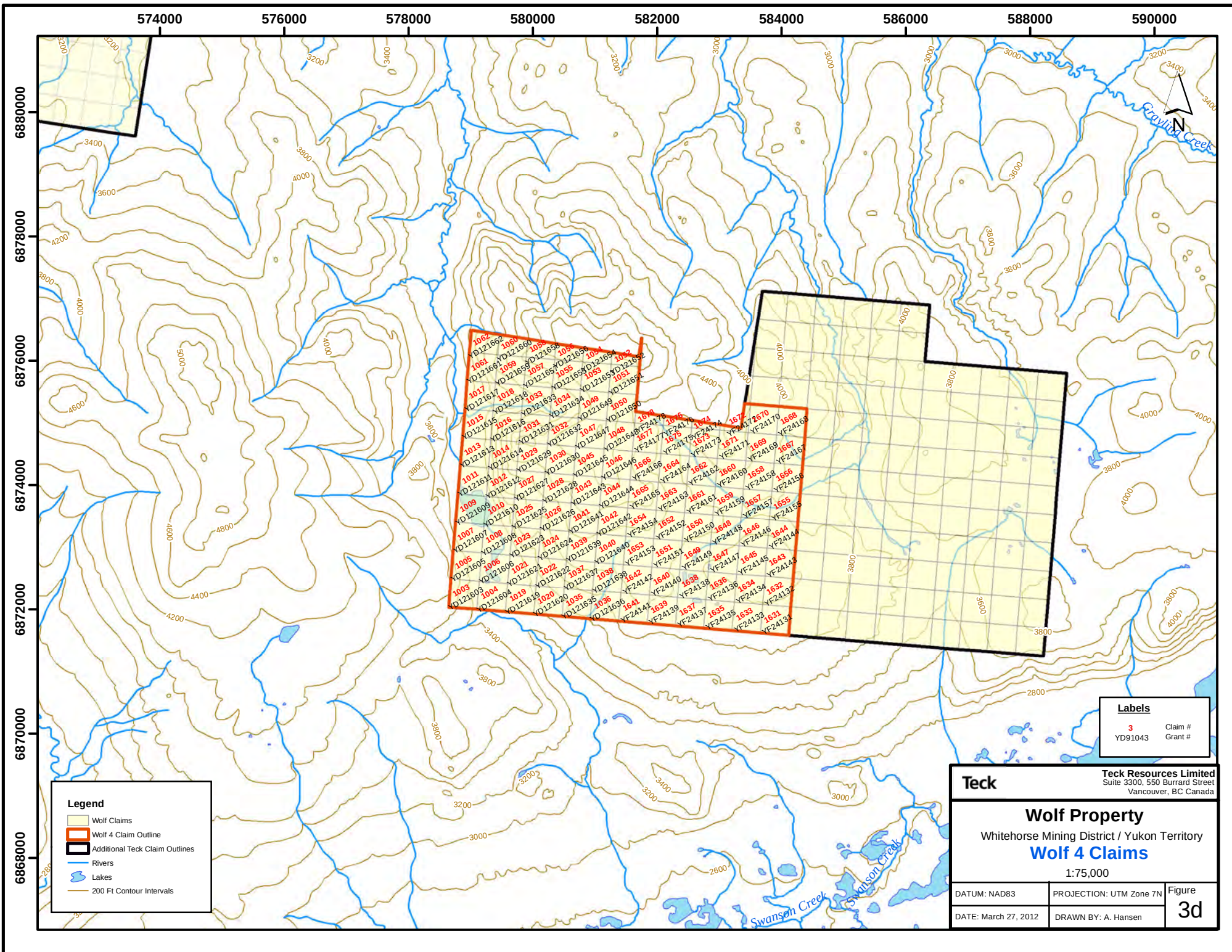
Table 4: Wolf 4 Claim Summary

4.0 PROPERTY HISTORY

The Nisling Range has seen relatively little historic exploration work and no Yukon Minfile occurrences are located on the property. On the Wolf 1 claim group, the Koidern River has been identified as a proven or potential gold bearing stream with some prospecting or exploration history, but with no significant placer mining operations. Teck Corporation completed a stream sediment program in the Nisling Range in 1999, apart from which we are unaware of any previous work completed on the Wolf property. The White River project (Tarsis Resources Ltd.) is an active exploration property adjacent to the Wolf 1 claim group to the northwest, and there are other active third party claims between the Wolf 3 and Wolf 4 claim groups.







5.0 GEOLOGICAL SETTING

5.1 Regional Geologic Setting

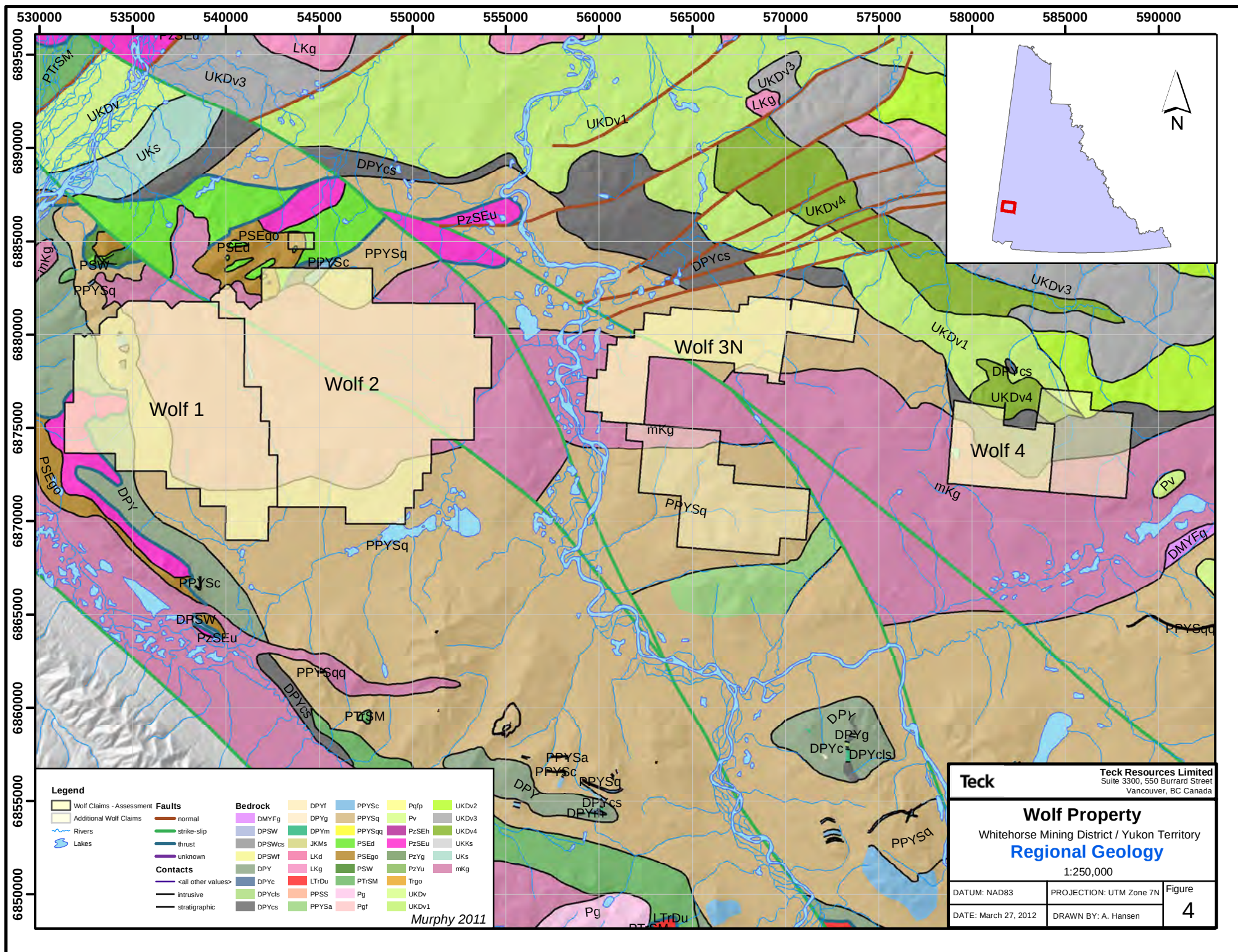
Rocks of southwestern Yukon, north of the Denali Fault, are primarily assigned to 1) the Yukon Tanana terrane, 2) the White River assemblage and underlying Scottie Creek Formation, 3) the Harzburgite Peak - Eikland Mountain ophiolite complex, 4) the Doghead assemblage, 5) various Jurassic to Eocene aged intrusions, and 6) the Late Cretaceous Donjek volcanics. Descriptions of these units herein are largely summarized from publications by Murphy (2011) and Murphy et al. (2011).

Rocks of the Yukon Tanana terrane (YTT) comprise the basal pre-Upper Devonian, quartz-rich siliciclastic Snowcap assemblage and overlying Upper Devonian to Permian carbonaceous schist, quartzite, muscovite-quartz schist, marble and mafic schist of the Finlayson assemblage. The White River assemblage is lithologically similar to rocks of the YTT, but also includes carbonaceous and siliciclastic rocks of the Permian to Upper Triassic Mirror Creek formation and a Mid-Triassic gabbroic unit. Previous interpretations have correlated the White River assemblage with the Yukon Tanana terrane, but a new interpretation by Murphy (2011) instead correlates the White River assemblage and underlying schists of the Scottie Creek Formation with rocks of the Selwyn Basin (Laurentia).

The Harzburgite Peak - Eikland Mountain (HPEM) ophiolite complex comprises harzburgite, peridotite, gabbro and diabase with lesser plagiogranite, chomitite, basalt and chert. Diabase and hornblende gabbro are dated as Early Permian, emplaced into older ultramafic rocks (Murphy et al., 2011). The HPEM ophiolite complex structurally overlies the Yukon Tanana terrane to the east and what is now interpreted as the Laurentian continental margin (i.e. Selwyn Basin rocks) to the west. This is a similar structural setting to oceanic rocks of the Slide Mountain terrane, which mark the contact between the Laurentian continental margin and Peri-Laurentian arc terranes along the length of the North American cordillera.

The Doghead assemblage comprises metamorphosed peridotite, harzburgite and gabbro thrust over rocks of the Yukon Tanana terrane (Murphy et al., 2011). Metagabbro and plagiogranite within the Doghead assemblage are Late Triassic in age, likely correlative with the Meade Glacier complex (near Skagway, Alaska) and the Chulitna terrane (south of the Denali fault, eastern Alaska). Together, these occurrences reflect an oceanic terrane fringing the North American craton during the Triassic.

The above sequences are intruded by a series of Jurassic to Eocene aged intrusions including the early Cretaceous Nisling Range batholith and Late Cretaceous Ruby Range batholith.



Much of the broader area is overlain by unmetamorphosed, predominantly mafic rocks, of the Late Cretaceous Donjek Volcanics. These rocks are now correlated with the more widely studied Carmacks volcanics elsewhere in the Yukon.

5.2 Property Geology

The Wolf properties are predominantly underlain by equigranular biotite- and hornblende-bearing granitoids and leucocratic aplite dykes of inferred Early Cretaceous age, comprising the Nisling Range batholith. In general, the Nisling Range batholith varies from non-magnetic granitic compositions in the west (Wolf 1 and 2 claim blocks) to magnetic dioritic compositions further east (Wolf 3 and 4 claim blocks). Porphyritic dykes are locally noted on the Wolf 2 claim block cutting the Nisling Range granitoids; these dykes may be Cretaceous in age, or may correspond with nearby Early Tertiary intrusive ages documented by Murphy (2011).

The Nisling Range batholith intrudes Snowcap and Finlayson assemblage rocks of the Yukon Tanana terrane (YTT). In the Wolf property area, the Snowcap assemblage is dominated by siliceous meta-clastic rocks (quartz-biotite and quartz-muscovite schists). Subordinate marble and carbonaceous meta-clastic rocks likely correlate with the Finlayson assemblage. On the Wolf 1 and Wolf 2 claim blocks, Yukon Tanana rocks are over thrust by diabase, gabbro and ultramafic rocks of the HPEM ophiolite complex. On the Wolf 4 property, the Nisling Range batholith intrudes a complex package of metamorphic rocks including schist, augen gneiss and amphibolite which may comprise part of the Finlayson assemblage. These rocks are unconformably overlain by the Late Cretaceous Donjek volcanics along the northern margin of the Wolf 4 claim block.

6.0 DEPOSIT TYPES

The Nisling Range batholith has experienced relatively little historic exploration, and does not host any documented Minfile occurrences. Portions of the pluton with a low magnetic response, and adjacent areas of country-rock may be considered prospective for reduced intrusion related gold (RIRG) mineralization analogous to the Fort Knox and Pogo deposits in Alaska. More oxidized, magnetic, portions of the batholith may be prospective for porphyry and related mineralization styles.

Portions of the Yukon Tanana terrane stratigraphy are prospective for volcanogenic massive sulphide (VMS) mineralization as documented from the Finlayson Lake district (north of the Tintina Fault), and the recently discovered Touleary VMS occurrence south of Dawson City.

The Harzburgite Peak – Eikland Mountain ophiolite complex is prospective for ultramafic-hosted PGE mineralization as documented by Murphy et al. (2011). The complex may also have some potential to host VMS mineralization.

7.0 MINERALIZATION

Teck's prospecting efforts have identified gold mineralization in three areas, which we term the Hailstorm (Wolf 2), Big Bend (Wolf 1) and Beach (Wolf 4) zones. The locations of these zones are labeled on Figure 9. Several additional zones of anomalous soil geochemistry, including an area on the Wolf 3N claim block are also noted and warrant further confirmation.

Hailstorm

The Hailstorm zone is marked by large sub-angular to sub-rounded granitic boulders along a rounded NW-SE trending ridge, approximately 1.5km from the northern edge of the Nisling Range batholith. We interpret the boulders to be proximally sourced. Host rocks comprise a black and white hornblende-biotite granodiorite with up to 10% sheeted quartz veining. The granodiorite is predominantly unaltered, with only localized zones of weak argillic alteration of plagioclase and chlorite after biotite and hornblende. Chlorite-clay veinlets are also present in some zones, with associated iron-carbonate (ankerite?) and trace pyrite. Mineralization is hosted within the sheeted quartz veins, and includes pyrite, chalcopyrite plus malachite, arsenopyrite, molybdenite and rare visible gold. Disseminated molybdenite and pyrite are also observed in some samples. Overall sulphide concentrations are low (<0.1%), but locally reach 1-2% in select samples. Quartz veins are on average 1-4mm wide, with an average spacing of 10-20cm. Locally wider (5-15cm) smoky grey to milky white quartz veins were also observed in the granodiorite, but no sulphides were observed in hand sample of these veins.

Prospecting samples collected by Teck over a ~300 x 500m area returned anomalous gold values to a high of 8.0 g/t Au with 9 samples within this area returning an average of 1.9 g/t Au. Similar sheeted quartz veins were also locally noted over a broader area extending ~2km to the east, and on the adjacent ridge ~2km to the south. Samples from these areas however returned weakly anomalous and/or inconsistent gold values.

Big Bend

Following up anomalous gold in stream sediment samples on the Wolf 1 claim block, Teck's prospecting located several boulders with sheeted quartz-molybdenite veins in the Big Bend target area. These veins are similar in style to gold-bearing veins in the Hailstorm area, but limited sampling to date failed to return anomalous gold values from these boulders. Soil

sampling across the alluvium/colluvium covered valley to the north of the boulder localities returned anomalous values for Au-As-Te-Bi-(Mo) which warrant follow-up.

Beach

The Beach zone is located on a high undulating plateau on the Wolf 4 claim block and is variably covered by a veneer of transported silty to sandy material interpreted as volcanic ash. The target is cored by a biotite-hornblende diorite exposed predominantly in angular talus. The diorite hosts disseminated to veinlet- and stockwork-hosted pyrite-(chalcopyrite-molybdenite) mineralization associated with quartz-chlorite veinlets and local secondary biotite alteration.

Prospecting samples collected by Teck over a ~200 x 300m area returned anomalous gold values to a high of 0.73 g/t Au with 9 samples within this area returning an average of 0.29 g/t Au. The diorite is emplaced into a complex package of metamorphic rocks including schist and augen gneiss, which are locally cut by milled breccia bodies with weak to moderate propylitic alteration.

8.0 2011 EXPLORATION PROGRAM

The 2011 exploration program on the Wolf 1 and 2 claim groups consisted of soil and stream sediment geochemistry and prospecting/rock sampling. A crew ranging from four to eight persons worked several field rotations on the property throughout the field season, starting June 1, 2011 and completing the program on September 11, 2011. An additional contract crew of four persons mobilized to the property on June 15, 2011 to complete the stream sediment program, and demobilized on June 29, 2011.

Two types of soil samples were collected during the 2011 exploration program, depending on the interpreted presence or absence of widespread permafrost and/or colluvium or colluviated glacial till. Conventional B-horizon soil samples were collected along selected ridgelines and contour lines within the property area and as small select grids where warranted. Along ridge tops and high-elevation contours, the soils encountered are generally interpreted to be locally-derived. In areas where topography is more subdued and lower elevation terrain is encountered (valleys), the possibility of extensive permafrost and foreign cover material made sampling the B-horizon difficult. In these areas, the organic Ah (humic) horizon was sampled. For B-horizon soils, at each sample site approximately 2 kilograms of soil was collected and placed in either a heavy plastic sample bag or a Hubco sample bag along with a lab-issued sample tag and secured with a zip tie or the Hubco tie. Sample numbers were also written on the outside of each sample bag. The A-horizon organic samples were similar in size, but significantly lighter. A-horizon soil samples were bagged and labeled the same as the B-horizon

samples. Each sample site was located using a hand-held Garmin GPS. All samples were delivered by crew members to the Acme Analytical (Acme) prep laboratory in Whitehorse, Yukon for preparation and subsequently shipped to Acme Labs in Vancouver for analysis.

Stream sediment samples were collected from exposed and submerged mid channel gravel bars as well as exposed and submerged near bank and point bars of selected streams within the property. In narrow, deep channelled creeks only submerged mid channel sands and gravels were available. Reasonable efforts were made to locate and sample heads of bars when available. Once an appropriate sample site was selected, the objective was to collect at least 700 grams of -60 mesh (0.25 mm) sample material by means of processing stream bed material. Material was shoveled from a pit up to 1 metre deep and transferred to a 14 inch diameter plastic classifier sifting pan (1 cm opening) and wet-sieved into a 10 litre plastic pail. A -60 mesh (0.25 mm) stainless steel sieve was then use to wet-sieve material into an attached stainless steel receiver pan to recover the target sample material. Samples where then transferred into pre-labelled Hubco sample bags, secured with a zip tie and placed in a plastic sleeve for field transport. Samples were drip dried in a secure contaminant-free structure prior to transport by crew members to the Acme prep lab in Whitehorse. Following preparation, samples were shipped by Acme to their Vancouver laboratory for analysis.

Prospecting was completed in conjunction with soil sampling along ridge tops and where rock was visibly outcropping on the property. 1-3 kilogram rock samples were collected as outcrop, subcrop or float composites or grabs and placed in heavy plastic sample bags with a lab-issued sample tag. Sample bags were secured with a zip tie and the sample number was written on the outside of the bag. All rock samples were delivered by crew members to the Acme prep lab in Whitehorse for preparation and subsequently shipped by Acme to their laboratory in Vancouver for analysis.

9.0 GEOCHEMICAL ANALYTICAL PROCEDURES

All samples were sent to Acme Analytical Laboratories (Acme) in Whitehorse and Vancouver for processing and analysis. Acme is an ISO 9002 accredited facility and services numerous exploration programs in Yukon. A total of 1429 soil samples, 51 stream sediment samples and 273 rock samples were collected from the Wolf Property during the 2011 exploration program that can be applied for assessment purposes.

The preparation procedure for soil samples involves oven-drying the sample material at 60 degrees Celsius and then screening to -180 microns (-80 mesh ASTM). Samples are handled, dried and screened in an area dedicated for specific media to avoid contamination from other types of samples. A 30g sample of the -80 mesh material was then digested in aqua regia

solution and diluted with distilled water. This solution was then analyzed for 53 elements by Inductively Coupled Plasma Mass Spectrometry (ICP-MS) according to the Acme 1F06 analytical procedure.

Stream sediment samples were prepared by first drying the sample, then screening to -150 mesh. A 30 gram sample of the -150 mesh material was then digested in aqua-regia solution and diluted with distilled water. This solution was then analyzed for 53 elements by ICP-MS according to the Acme 1F06 analytical procedure.

Rock samples were prepared by first drying the sample, then crushing 1 kilogram of rock to 80% passing 10 mesh, splitting 1000 grams and pulverizing to 85% passing 200 mesh. A 30 gram sample of the 200 mesh material was then digested in aqua-regia solution and diluted with distilled water. This solution was then analyzed for 53 elements by ICP-MS according to the Acme 1F06 analytical procedure, as well as for gold by Fire Assay fusion with Inductively Coupled Plasma Emission finish according to the Acme G601 procedure.

10.0 INTERPRETATION AND CONCLUSIONS

The 2011 exploration program on the Wolf property identified several anomalous occurrences of gold and associated elements. The most significant zones identified in 2011 were the Big Bend Zone on Wolf 1, the Hailstorm Zone on Wolf 2, and the Beach Zone on Wolf 4.

Soil and Stream Geochemical Sampling and Prospecting Results

Soil and stream sampling and prospecting revealed several areas of elevated gold and associated elements on the Wolf Property. The results for each claim group are described below. Laboratory analytical certificates are located in Appendices IV, V, and VI. Locations and geochemistry maps of soil, stream sediment and rock samples are illustrated on Figures 5 through 10.

Wolf 1

Stream sampling at the Big Bend zone in the west-central portion of the claim group returned a value of 510.9 ppb Au, which was subsequently followed up with soil sampling, returning anomalous values up to 290.8 g/t Au. Prospecting revealed several boulders with sheeted quartz-molybdenite veins similar in style to gold-bearing veins observed in the Hailstorm Zone on the Wolf 2 claim group. Limited rock sampling to date failed to return anomalous gold

values from these boulders. Further prospecting, soil sampling and geological mapping of the Big Bend zone is warranted. Several additional anomalous stream sediment samples were collected from Wolf 1, including three samples ranging between 926.7 to 997.2 g/t Au. Soil sampling to date has not been effective in determining up-slope sources for several of these anomalous stream samples. It is possible that glacial and/or colluvial material is covering many of the lower slopes, preventing the acquisition of locally-derived soil samples. The presence of till and/or colluvial material will have to be considered when planning future geochemical surveys. Several zones of anomalous bismuth were revealed by the 2011 soil sampling program, and it is recommended that these areas be followed up with detailed mapping and additional sampling.

Wolf 2

Sixteen stream sediment samples on the Wolf 2 claim group returned values over 100 ppb Au, with the three highest samples at 927 ppb Au, 948 ppb Au and 997 ppb Au. Prospecting by Teck revealed a ~300 x 500m area in the northwest portion of the claim block (Hailstorm Zone), which returned anomalous gold values to a high of 8.0 g/t Au with 9 samples within this area returning an average of 1.9 g/t Au. Mineralization in the Hailstorm Zone is hosted within sheeted quartz veins, and includes pyrite, chalcopyrite plus malachite, arsenopyrite, molybdenite and rare visible gold. Disseminated molybdenite and pyrite are also observed in some samples. Similar sheeted quartz veins were also locally noted over a broader area extending ~2km to the east, and on the adjacent ridge ~2km to the south. Samples from these areas however returned weakly anomalous and/or inconsistent gold values. Soil sampling on the claims returned anomalous values in gold, molybdenum, copper, silver, bismuth, tungsten and tellurium in the Hailstorm zone, with eight gold-in-soil values over 20 ppb Au, and a high value of 145 ppb Au. Anomalous bismuth and tungsten highlighted a large area in the northwest portion of the claim block, outside of the Hailstorm Zone. Detailed mapping, plus additional soil and rock sampling is warranted in this area. The eastern portion of the claim block consists of very little outcrop, with more subdued topography. A widely-spaced soil sampling grid is suggested for this area.

Wolf 3

The Wolf 3 claim group is situated in a lower valley east of Donjek River, consisting of rolling topography and limited outcrop. A total of six stream sediment samples were collected from the claims, with a high value of 1193.8 ppb Au. Follow-up soil sampling was completed as a widely-spaced grid across the central and eastern portions of the claim group. Gold values

were relatively subdued in the soils, but a zone of anomalous copper, silver and arsenic (up to 56.6 ppm Cu, 618 ppb Ag, and 23.7 ppm As) warrants additional follow-up geochemical sampling.

Wolf 4

Prospecting on the Wolf 4 claim group revealed a target zone (Beach Zone) cored by a biotite-hornblende diorite exposed predominantly in angular talus. The diorite hosts disseminated to veinlet- and stockwork-hosted pyrite-(chalcopyrite-molybdenite) mineralization associated with quartz-chlorite veinlets and local secondary biotite alteration. A total of 49 rock samples were collected, with a core zone containing 9 samples averaging 0.29 g/t Au to a high of 0.73 g/t Au. A total of 131 soil samples were collected from the claim group, returning anomalous values in gold (up to 625 ppb Au), copper (up to 343 ppm Cu), and molybdenum (up to 11 ppm Mo) as well as a number of additional elements including silver, tellurium, bismuth, lead and zinc. The anomalous zone is open to the north, west and east. Additional follow-up soil sampling as well as detailed geological mapping is warranted.

11.0 REFERENCES

Murphy, D., 2011. New mineral exploration opportunities highlighted by new geoscience data, Stevenson Ridge and northern Kluane Lake areas, southwestern Yukon. Cordilleran Roundup poster.

Murphy, D., Escayola, M., van Staal, C., McLelland, B., Moretensen, J., Friedman, R., 2011. Ophiolitic complexes of western Yukon: age, geochemical character, geological setting, terrane correlation and metallogeny. Yukon Geoscience Forum poster.

APPENDIX I

STATEMENT OF QUALIFICATIONS

Statement of Qualifications

I, Andrea Berg, BSc., certify that:

1. I am a Project Geologist currently employed by Teck Resources Limited, Suite 3300, 550 Burrard Street, Vancouver, British Columbia, V6C 0B3 (business phone 604-699-4402).
2. I graduated from the University of Alberta in Edmonton, Alberta, Canada with a Bachelor of Science Degree in Geology in 2008 and have been practicing my profession in Canada since that time.
3. I supervised the 2011 field exploration program on the Wolf Property, and I was on the property for extended periods during the 2011 field exploration program.
4. I am responsible for the preparation of this report, and that data contained in this report, and interpretations drawn from it, are true and accurate to the best of my knowledge.



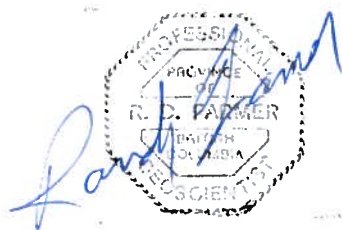
Andrea Berg, B.Sc.

Dated March 27, 2012
at Vancouver, British Columbia

Statement of Qualifications

I, Randy farmer, do hereby certify that:

1. I am employed as a geologist with the title of Exploration Manager, Canada, USA by Teck Resources Limited with offices at Suite 3300 – 550 Burrard St., Vancouver, B.C. V6C 0B3. 604-699-4000.
2. I attended Lakehead University in Thunder Bay, Ontario and graduated in 1980 with a B.Sc. degree in Geological Sciences
3. I have worked in the mineral exploration industry since June 1978.
4. I supervised the collection of the data contained in this report and have reviewed the content of this reoprt.
5. I am a practicing Professional Geoscientist (PGeo.) in good standing with the Association of Professional Engineers and Geoscientists of British Columbia (A.P.E.G.B.C.)




Randy Farmer, BSc, P. Geo.
Manager Exploration, Canada USA
Teck Resources Limited

Date: MAR 26, 2012

APPENDIX II

STATEMENT OF EXPENDITURES

Teck

March 27, 2011

Glenna Southwick
Whitehorse Mining Recorder
Room 102 – 300 Main Street
Whitehorse, YT
Y1A 2B5

Dear Ms. Southwick,

The Wolf Property consists of several blocks of claims, four of which are being filed for assessment purposes in the report entitled "*Assessment Report on the 2011 Geochemical Sampling and Prospecting on the Wolf Property*", dated March 27, 2011. Please find enclosed the statements of expenditures for work carried out in 2011 on the Wolf Property (Wolf 1, 2, 3N and 4). Work on the property was carried out in the field between June 1 and September 11, 2011. Office work, including general research and report preparation, was completed prior to the start of the field program, during the field program, and following the end of the field program. Only the work completed on the relevant claims as described in the report is being filed for assessment.

The associated costs for each claim group have been calculated as a percentage based on the number of samples collected that are applicable to each cost category (number of samples collected from relevant claims out of number of samples collected in the Wolf Property area in total for 2011). A separate statement of expenditures is included herein for each of Wolf 1, Wolf 2, Wolf 3N and Wolf 4.

Sincerely,



Andrea Berg
Project Geologist
Teck Resources Limited

Wolf 1 Exploration Expenditures 2011

Exploration Work type	Comment	Days			Totals
Personnel	Field Days	Days	Rate	Subtotal*	
Geologist 1		17	\$453.91	\$7,716.51	
Geologist 2		10	\$369.16	\$3,691.57	
Geologist 3		7	\$600.00	\$4,200.00	
Geologist 4		15	\$473.97	\$7,109.56	
Senior Geologist		9	\$650.48	\$5,854.28	
Field Assistant 1		11	\$353.60	\$3,889.55	
Field Assistant 2		11	\$345.37	\$3,799.10	
Field Assistant 3		3	\$320.86	\$962.57	
				\$37,223.13	\$37,223.13
Office Studies	Personnel (Office)				
General research	Senior Geologist	2.0	\$650.48	\$1,300.95	
General research	Principal Geologist	2.0	\$725.59	\$1,451.18	
General research	Geologist 1	5.0	\$453.91	\$2,269.56	
Report preparation	Geologist 1	6.0	\$453.91	\$2,723.47	
				\$7,745.16	\$7,745.16
Geochemical Surveying	Number of Samples	No.	Rate	Subtotal	
Stream sediment	26 stream sediment samples	26	\$34.50	\$897.00	
Soil	445 soil samples	445	\$33.50	\$14,907.50	
Rock	127 rock samples	127	\$41.20	\$5,232.40	
				\$21,036.90	\$21,036.90
Consulting /Contracting		No.	Rate	Subtotal	
Stream Sediment Sampling	21.31% of actual consulting costs (percentage of stream sediment samples collected)	0.21	\$39,197.50	\$8,352.99	
				\$8,352.99	\$8,352.99
Transportation		No.	Rate	Subtotal	
Helicopter	28.06% of 172.70 total heli hours (percentage of all samples collected including rock, stream sediment and soil)	48	1,391.25	\$67,419.45	
Fuel	28.06% of \$69,757.13 total fuel costs	0.28	\$69,757.13	\$19,573.85	
				\$86,993.30	\$86,993.30
Accommodation & Food					
Hotel, rental house, cabins	28.47 % of actual accommodation costs (percentage of rock & soil samples collected)	0.28	\$50,671.04	\$14,426.05	
Meals	28.47 % of actual meal costs	0.28	\$8,522.27	\$2,426.29	
				\$16,852.33	\$16,852.33
Equipment					
Field Gear	Safety and first aid gear, sampling and prospecting gear and supplies, telecommunications. 28.47% of actual equipment costs (percentage of rock & soil samples collected).	0.28	\$7,224.29	\$2,056.76	
				\$2,056.76	\$2,056.76
TOTAL Expenditures					\$180,260.56

Wolf 2 Exploration Expenditures 2011

Exploration Work type	Comment	Days			Totals
Personnel	Field Days	Days	Rate	Subtotal*	
Geologist 1		22	\$453.91	\$9,986.07	
Geologist 2		13	\$369.16	\$4,799.04	
Geologist 3		8	\$600.00	\$4,800.00	
Geologist 4		21	\$473.97	\$9,953.38	
Senior Geologist		12	\$650.48	\$7,805.70	
Field Assistant 1		14	\$353.60	\$4,950.34	
Field Assistant 2		14	\$345.37	\$4,835.22	
Field Assistant 3		5	\$320.86	\$1,604.28	
				\$48,734.03	\$48,734.03
Office Studies	Personnel (Office)				
General research	Senior Geologist	2.0	\$650.48	\$1,300.95	
General research	Principal Geologist	2.0	\$725.59	\$1,451.18	
General research	Geologist 1	7.0	\$453.91	\$3,177.39	
Report preparation	Geologist 1	7.0	\$453.91	\$3,177.39	
				\$9,106.90	\$9,106.90
Geochemical Surveying	Number of Samples	No.	Rate	Subtotal	
Stream sediment	19 stream sediment samples	19	\$34.50	\$655.50	
Soil	669 soil samples	669	\$33.50	\$22,411.50	
Rock	97 rock samples	97	\$41.20	\$3,996.40	
				\$27,063.40	\$27,063.40
Consulting/Contracting		No.	Rate	Subtotal	
Stream Sediment Sampling	15.57% of actual consulting costs (percentage of stream sediment samples collected)	0.16	\$39,197.50	\$6,103.05	
				\$6,103.05	\$6,103.05
Transportation		No.	Rate	Subtotal	
Helicopter (hours)	36.84% of 172.70 total heli hours (percentage of all samples collected)	64	1,391.25	\$88,515.05	
Fuel	36.84% of \$69,757.13 total fuel costs	0.37	\$69,757.13	\$25,698.53	
				\$114,213.58	\$114,213.58
Accommodation & Food					
Hotel, rental house, cabins	38.13% of actual accommodation costs (percentage of rock & soil samples collected)	0.38	\$50,671.04	\$19,320.87	
Meals	38.13% of actual meal costs	0.38	\$8,522.27	\$3,249.54	
				\$22,570.41	\$22,570.41
Equipment					
Field Gear	Safety and first aid gear, sampling and prospecting gear and supplies, telecommunications. 38.13% of actual equipment costs (percentage of rock & soil samples collected).	0.38	\$7,224.29	\$2,754.62	
				\$2,754.62	\$2,754.62
TOTAL Expenditures					\$230,545.98

Wolf 3N Exploration Expenditures 2011

Exploration Work type	Comment	Days			Totals
Personnel	Field Days	Days	Rate	Subtotal*	
Geologist 1		5	\$453.91	\$2,269.56	
Geologist 2		3	\$369.16	\$1,107.47	
Geologist 3		0	\$600.00	\$0.00	
Geologist 4		5	\$473.97	\$2,369.85	
Senior Geologist		3	\$650.48	\$1,951.43	
Field Assistant 1		3	\$353.60	\$1,060.79	
Field Assistant 2		3	\$345.37	\$1,036.12	
Field Assistant 3		1	\$320.86	\$320.86	
				\$10,116.07	\$10,116.07
Office Studies	Personnel (Office)				
General research	Senior Geologist	1.0	\$650.48	\$650.48	
General research	Principal Geologist	1.0	\$725.59	\$725.59	
General research	Geologist 1	1.0	\$453.91	\$453.91	
Report preparation	Geologist 1	2.0	\$453.91	\$907.82	
				\$2,737.80	\$2,737.80
Geochemical Surveying	Number of Samples	No.	Rate	Subtotal	
Stream sediment	6 stream sediment samples	6	\$34.50	\$207.00	
Soil	184 soil samples	184	\$33.50	\$6,164.00	
Rock	0 rock samples	0	\$41.20	\$0.00	
				\$6,371.00	\$6,371.00
Consulting/Contracting		No.	Rate	Subtotal	
Stream Sediment Sampling	4.92% of actual consulting costs (percentage of stream sediment samples collected)	0.09	\$39,197.50	\$3,496.42	
				\$3,496.42	\$3,496.42
Transportation		No.	Rate	Subtotal	
Helicopter (hours)	8.92% of 172.70 total heli hours (percentage of all samples collected)	15	1,391.25	\$21,431.98	
Fuel	8.92% of \$69,757.13 total fuel costs	0.09	\$69,757.13	\$6,222.34	
				\$27,654.32	\$27,654.32
Accommodation & Food					
Hotel, rental house, cabins	9.16% of actual accommodation costs (percentage of rock & soil samples collected)	0.09	\$50,671.04	\$4,641.47	
Meals	9.16% of actual meal costs	0.09	\$8,522.27	\$780.64	
				\$5,422.11	\$5,422.11
Equipment					
Field Gear	Safety and first aid gear, sampling and prospecting gear and supplies, telecommunications. 9.16% of actual equipment costs (percentage of rock & soil samples collected).	0.09	\$7,224.29	\$661.74	
				\$661.74	\$661.74
TOTAL Expenditures					\$56,459.46

Wolf 4 Exploration Expenditures 2011

Exploration Work type	Comment	Days			Totals
Personnel	Field Days	Days	Rate	Subtotal*	
Geologist 1		5	\$453.91	\$2,269.56	
Geologist 2		3	\$369.16	\$1,107.47	
Geologist 3		0	\$600.00	\$0.00	
Geologist 4		5	\$473.97	\$2,369.85	
Senior Geologist		3	\$650.48	\$1,951.43	
Field Assistant 1		3	\$353.60	\$1,060.79	
Field Assistant 2		3	\$345.37	\$1,036.12	
Field Assistant 3		1	\$320.86	\$320.86	
				\$10,116.07	\$10,116.07
Office Studies	Personnel (Office)				
General research	Senior Geologist	1.0	\$650.48	\$650.48	
General research	Principal Geologist	1.0	\$725.59	\$725.59	
General research	Geologist 1	1.0	\$453.91	\$453.91	
Report preparation	Geologist 1	2.0	\$453.91	\$907.82	
				\$2,737.80	\$2,737.80
Geochemical Surveying	Number of Samples	No.	Rate	Subtotal	
Stream sediment	0 stream sediment samples	0	\$34.50	\$0.00	
Soil	131 soil samples	131	\$33.50	\$4,388.50	
Rock	48 rock samples	48	\$41.20	\$1,977.60	
				\$6,366.10	\$6,366.10
Consulting/Contracting		No.	Rate	Subtotal	
Stream Sediment Sampling	0% of actual consulting costs (percentage of stream sediment samples collected)	0.00	\$39,197.50	\$0.00	
				\$0.00	\$0.00
Transportation		No.	Rate	Subtotal	
Helicopter (hours)	8.45% of 172.70 total heli hours (percentage of all samples collected)	15	1,391.25	\$20,302.72	
Fuel	8.45% of \$69,757.13 total fuel costs	0.08	\$69,757.13	\$5,894.48	
				\$26,197.20	\$26,197.20
Accommodation & Food					
Hotel, rental house, cabins	8.96% of actual accommodation costs (percentage of rock & soil samples collected)	0.09	\$50,671.04	\$4,540.13	
Meals	8.96% of actual meal costs	0.09	\$8,522.27	\$763.59	
				\$5,303.72	\$5,303.72
Equipment					
Field Gear	Safety and first aid gear, sampling and prospecting gear and supplies, telecommunications. 8.96% of actual equipment costs (percentage of rock & soil samples collected).	0.09	\$7,224.29	\$647.30	
				\$647.30	\$647.30
TOTAL Expenditures					\$51,368.18

APPENDIX III

ROCK SAMPLE OBSERVATIONS

Rock Samples - Field Observations

SAMPLE #	SAMPLE TYPE	NOTES
1076001	Outcrop Grab	Mafic schist, 20% structure-parallel quartz veins; lt to dk grey, rusty weathered surfaces; 1%py in wallrock; minor chlorite-altered fracture surfaces; mafic mins chlorite and hbl
1076002	Float Grab	Fine-grained felsic (light grey to buff) porphyritic rock with 1-2mm rounded qtz eye phenos; rusty, vacant mineral sites, possibly oxidized pyrite.
1076002	Float Grab	Fine-grained felsic (light grey to buff) porphyritic rock with 1-2mm rounded qtz eye phenos; rusty, vacant mineral sites, possibly oxidized pyrite.
1076002	Float Grab	Medium-grained biotite-hbl granodiorite; weak alteration of plag to kaolinite; plag, qtz (as sub-rounded qtz eyes), hbl, biot.
1076002	Float Grab	Medium-grained biotite-hbl granodiorite; weak alteration of plag to kaolinite; plag, qtz (as sub-rounded qtz eyes), hbl, biot.
1076003	Float Grab	Fine-grained felsic (light grey to buff) porphyritic rock with 1-2mm rounded qtz eye phenos; rusty, vacant mineral sites, possibly oxidized pyrite.
1076003	Float Grab	Fine-grained felsic (light grey to buff) porphyritic rock with 1-2mm rounded qtz eye phenos; rusty, vacant mineral sites, possibly oxidized pyrite.
1076003	Float Grab	Medium-grained biotite-hbl granodiorite; weak alteration of plag to kaolinite; plag, qtz (as sub-rounded qtz eyes), hbl, biot.
1076003	Float Grab	Medium-grained biotite-hbl granodiorite; weak alteration of plag to kaolinite; plag, qtz (as sub-rounded qtz eyes), hbl, biot.
1076007	Outcrop Grab	Qtz vein in host qtz-diorite; qtz diorite is m-coarse grained, hbl-rich (40%); vein is 2-6cm wide, white to grey; no sulphides observed in vein or wallrock.
1076009	Float Grab	Rusty felsic meta-sedimentary rock/quartzite cobble in creek bed; 3% fine disseminated pyrrhotite and possible arsenopyrite; silicified; thin bedding/laminations; light grey colour.
1076012	Float Grab	Rusty cobble in creek bed; deformed banded mafic volcanic/hornfels; dark grey with narrow felsic bands; 1% pyrrhotite, 1% pyrite both fine disseminated; minor carbonate alteration as 1-2mm blebs
1076040	Subcrop Grab	M.g. granodiorite with coarse to megacrystic plag; stron Fe-carbonate alteration and 5% chl-clay stringers (<0.5mm); weak chlorite after biotite; rusty appearance.
1076041	Subcrop Grab	Massive m.g. granodiorite with coarse to megacrystic plag and some sub-rounded quartz; weak-mod chlorite after biot/hbl; trace rusty py cubes; 2% disseminated moly; 1mm qtz veinlet also carrying moly.
1076042	Field Dup	Massive m.g. granodiorite with coarse to megacrystic plag and some sub-rounded quartz; weak-mod chlorite after biot/hbl; trace rusty py cubes; 2% disseminated moly; 1mm qtz veinlet also carrying moly.
1076043	Subcrop Grab	M.g. granodiorite; relatively fresh with <5% v.narrow chlorite clay stringers; trace epidote grains; massive.
1076044	Subcrop Grab	M.g. granodiorite with 2-3mm sheeted qtz veining @ 10-20cm spacing; gd is relatively fresh, with some weak chlorite after mafics and occasional v. narrow chl-clay veinlets; <3% disseminated rusty grains (wx out py); no sx observed in veins.
1076045	Subcrop Grab	M.g. granodiorite with occasional sheeted qtz veins (20-30cm spacing) up to 10mm wide; weak chlorite after biotite; no sx observed.
1076046	Subcrop Grab	M.g. granodiorite; <5% sub-rounded qtz eyes; plag laths up to 20mm; 0.5% cpy as coarse blebs with 0.5% py concentrated together, haloed by tr. Malachite, rusty halos; very weak argillic alteration of plag.
1076047	Subcrop Grab	15-20cm-wide qtz vein in granodiorite; gd has 5-10% chl-clay veinlets; vein is smoky grey to white with rusty stingers and blebs plus chlorite after biotite.
1076048	Subcrop Grab	M.g. granodiorite with narrow qtz veinlets carrying 0.5% cpy, 0.5% py, tr malachite; fock fractures along vein boundaries, exposing rusty malachite halos around sx blebs; wallrock is fresh.
1076049	Subcrop Grab	M.g. granodiorite with stockwork rusty (Fe-carb?) chlorite stingers; rock has pale green colour.
1076054	Float Composite	Sub-angular granite float. Rusty weathering in soil pit.
1076055	Float Composite	Blocky talus slope with biot-(hornblende) quartz diorite with coarse plag phenos. 2% sheeted quartz-(chlorite-moly) veins <2cm width, avg 10-20cm spacing. Nil alteration.
1076059	Float Composite	Musc-biot schist, white qtz veins up to 5cm
1076060	Float Composite	Musc-biot schist, 20% qtz veins, 1% limonite after disseminated pyrite
1076061	Float Grab	Qtz-biotite schist w/ foliation parallel qtz veins and discordant planar qtz veinlets w/ trace moly

Rock Samples - Field Observations

SAMPLE #	SAMPLE TYPE	NOTES
1076062	Field Dup	Qtz-biotite schist w/ foliation parallel qtz veins and discordant planar qtz veinlets w/ trace moly
1076063	Subcrop Grab	Biotite schist w/ 10% metamorphic foliation-parallel qtz veins and minor discordant qtz veinlets, one w/ possible scorodite.
1076064	Float Composite	Biotite-rich qtz diorite, 1% qtz veins to 1cm width
1076065	Float Composite	Biotite-rich qtz diorite, 1% qtz veins to 1cm width
1076067	Float Grab	Rusty weathering, qtz-biot-(chlorite) schist w/ 1% disseminated pyrite
1076068	Float Grab	Hornblende-biotite granodiorite w/ minor qtz veins (1/50cm) to 1cm width; minor chl in veins and vein selvages
1076069	Float Grab	Qtz-chl schist w/ 10% fine disseminated pyrite
1076077	Outcrop Composite	Biot-hnbl granodiorite w/ sheeted qtz veins +-moly (tr) to 2cm width; veins 4/m, orientation 079/75
1076078	Float Composite	Large boulder w/ granodiorite w/ sheeted qtz veins, 10/m, avg 0.5cm
1076079	Float Composite	Granodiorite w/ qtz veins (2/m), no sulphide noted
1076081	Float Grab	Granodiorite w/ moderate sericite alteration + limonite stain
1076082	Field Dup	Granodiorite w/ moderate sericite alteration + limonite stain
1076083	Float Composite	Bleached white intrusive rock (granodiorite?) w/ local qtz veins to 0.5cm +chl-epidote stringers, trace pyrite
1076084	Float Composite	Bleached white metamorphic rock (schist?) w/ strong bleaching (albite?), milky white qtz veins, +chl-epidote veinlets; trace pyrite
1076085	Outcrop Composite	Sericitic meta-volcanic w/ 1% disseminated pyrite; minor epidote-chl-qtz veinlets
1076086	Float Grab	Aphanitic brown rock w/ 1% diss. Pyrite
1076087	Float Composite	Several blocks to 30cm size of milky white qtz vein cut by tourmaline veinlets; trace pyrite in qtz vein
1076088	Float Composite	strongly silicified rock w/ troumaline veinlets =_pyrite veinlets and diss pyrite; 1% pyrite, trace moly, trace malachite
1076089	Float Grab	Qtz diorite? w/ 2% disseminated limonite after pyrite
1076092	Float Composite	Biot-qtz-diorite w/ qtz stockwork; 0.5% pyrite, 0.5% cpy, trace moly disseminated and in veinlets
1076093	Float Composite	Qtz diorite w/ 2% diss. To veinlet-hosted cpy; minor troumaline veinlets; mafics largely chloritized
1076094	Float Composite	Diorite w/ chlorite to secondary biotite-altered mafics; 2% diss pyrite
1076095	Float Composite	Diorite w/ weak chlorite alteration of mafics; rare chl-pyr veinlets; only trace pyrite; diorite moderately magnetic
1076096	Float Composite	Large angular boulders of silicified metamorphic rock w/ minor +-qtz-chl-tourmaline veinlets; trace pyrite, disseminated and in veinlets
1076097	Float Composite	Large angular boulders of diorite w/ locally up to 5% (avg1%) diss. Pyrite; minor +- qtz-chl-tourmaline pyrite veinlets
1076098	Float Composite	Milled breccia w/ diorite clasts; chlorite-altered matrix; breccia cut chl-pyr-(tourmaline) veinlets; trace pyrite overall
1076099	Float Composite	Finely milled matrix supported breccia derived from diorite; pervasive chlorite; 0.5% diss. Pyrite
1076100	Float Composite	White silicified milled breccia w/ metamorphic rock clasts; cut by minor +-qtz-chl-tourm-(pyrite) veinlets
1076101	Outcrop Grab	Epidote core in pegmatite vein (Na alt selvage?), Strike 2 is duplicate sample (1076102)
1076102	Field Dup	Epidote core in pegmatite vein (Na alt selvage?), Strike 2 is duplicate sample (1076102)
1076103	Outcrop Grab	Pegmatite vein w/ possible epidote, offset by shear fracture
1076104	Outcrop Grab	Large pegmatite cobbles in talus slope
1076105	Outcrop Grab	grab sample in metamorphic quartz/carbonate vein within MV unit; foliation is gently dipping SW
1076106	Subcrop Grab	"Bull quartz" flooded silicified GDI within 10m of contact with quartzite. Long 10-15mm x 0.5-1mm biotite booklets
1076107	Outcrop Grab	Thick, highly oxidized quartz/carbonate veins in MV outcrop, with large nodules of hydrothermal biotite (1mm, randomly oriented), possible sulphides
1076108	Outcrop Grab	andecitic? dike with quartz veins, trending 055AZ as sub-vertical, resistant fin. Silicified, mostly aphanitic with several grains of arsenopyrite/stibnite? seen as 4-5mm needles
1076109	Subcrop Grab	Banded hornfels quartzite, secondary (dominant) foliation of granular quartz veins: 258/38N, cut by rutile-bearing quartz filled joints

Rock Samples - Field Observations

SAMPLE #	SAMPLE TYPE	NOTES
1076112	Subcrop Grab	Hornfels quartzite with milky quartz veins, possibly rutile bearing
1076114	Float Grab	float aplite dike, sandy textured with oxide spots and subhedral quartz phenocrysts
1076115	Float Grab	Float quartzite NE of geochem anomaly
1076116	Float grab	Rounded, chlorite altered diorite? Float boulder. Near geochem anomaly
1076117	Float Grab	Rock sample (1076117) from soil pit (1081298). Appears to be meta-pelite? Variably silicified with 1+% sulfides in silicified zones. Tourmaline+/- (magnetite?/Ilmenite? Weakly magnetic black mineral) veining in places.
1076118	Float Composite	Bleached schist? Variably silicified with minor sericite alteration, possible ankrite, and pyrrhotite nodules in some samples. Thin, planar foliation. Oxidized pits make up ~1% mostly cubic. Possibly covalite?
1076119	Float Grab	Fe stained massive 50cm x 30cm quartz boulder in float. Tourmaline veining. 1076119
1076120	Outcrop Chip	Chlorite schist breccia outcrop chip. Foliated, heavy micas and rose quartz veinlets. Rounded cobbles are well worked. Many oxidized fractures. Several clasts are some kind of epidote altered diorite with minor sulfides.
1076125	Float Composite	Green and white diorite, moderate epidote alteration of plag, moderate to strong chl after mafics, 1mm chl veinlets with light green alteration salvage (chl and ser?), trace disseminated pyrite
1076126	Float Grab	dark green, igneous breccia, sub-rounded clasts, selectively magnetic, very fine grained groundmass, pervasively silicified, hosts <1mm thick tourmaline? Stringer, clast boundaries very subtle, no visible sulphide, pervasive chl and ep? Alteration
1076127	Float Grab	intensely altered and rusty igneous breccia, matrix is dark rusty brown with euhedral vug filling quartz, clasts are bleached and chl and epidote altered, selectively weakly magnetic, no visible sulphides
1076128	Subcrop Grab	intensely bleached intrusive, weakly laminated, highly fractured in multiple orientations, rusty voids after pyrite?, weathering rusty orange (lim), no visible sulphides,
1076129	Float Grab	Gossan, massive hematite, very dense, weakly magnetic, boxwork voids (4mmx4mm)
1076152	Outcrop Grab	schist, meta sediment ~20m west of Granodiorite contact
1076153	Outcrop Grab	quartz veining in silicified meta sediment, highly oxidized on fracture surfaces
1076154	Subcrop Grab	Granodiorite with smoky quartz veins <2cm thick, 2 over 10cm containing silver/whiteish pyrite
1076155	Float Grab	meta volcanic float with weathered out pyrite voids, Fe oxide alteration
1076161	Subcrop Grab	Medium grained, dark green Gabbro, 80-90% mafics (hbl+pyx?), weak carbonate, trace pyrite cube weathered rusty orange (photo taken)
1076162	Field Dup	Medium grained, dark green Gabbro, 80-90% mafics (hbl+pyx?), weak carbonate, trace pyrite cube weathered rusty orange (photo taken)
1076163	Subcrop Grab	medium grained black and white Gabbro with patchy carbonate zones (veins?) silicified, <1cm thick associated with arsenopyrite 1%, and pyrite 0.5%, rusty patches surrounding sulfide grains (photo taken)
1076164	Subcrop Grab	light green zone within medium grained Gabbro, moderate Fe carbonate alteration, 1% disseminated arsenopyrite, 0.5% py, 0.5% magnetic dark grey metallic mineral (mag?), (photo taken)
1076165	Subcrop Grab	felsic to intermediate rusty schist (meta volcanic?), preferentially rusty alteration of mafic layers, trace pyrite, possible metallic grey sulfide (very trace), cut by felsic fine grained aplite dyke (photos taken)
1076166	Subcrop Grab	Smoky grey to white Quartz vein within Granodiorite ~3cm wide, no visible sulphides,
1076167	Subcrop Grab	Granodiorite, rounded quartz grains fresh mafics and felsics, no visible mineralization
1076168	Outcrop Grab	White to light green felsic meta volcanic, rusty zones within carbonate blebs, in contact with mafic meta volcanic (078) weak carbonate alteration
1076169	Outcrop Grab	Rusty outcrop, black fine grained, biotite 90%, meta volcanic?, rusty blebs (moderate to strong Fe-carb)
1076172	Outcrop Grab	Feldspar phyric granodiorite medium to coarse grained, fresh
1076173	Subcrop Grab	medium grained Granodiorite with weak yellowish clay alteration of plag, dark green mm size veinlets of radiating blades of actinolite?, blebs of light green bright mineral (malachite?), trace diss pyrite, trace chalcopyrite?
1076174	Subcrop Grab	6-8cm thick smoky grey quartz vein, no visible mineralization, small (0.5mm) rusty blebs inclusions

Rock Samples - Field Observations

SAMPLE #	SAMPLE TYPE	NOTES
1076175	Outcrop Grab	Medium grained Granodiorite with stockwork of <1mm thick rusty chlorite veins containing trace arsenopyrite, weak chlorite after biotite, very weak clay after plag
1076176	Outcrop Grab	Fine grained plag phyrlic mafic diabase dyke, no visible mineralization, sharp undulatory contact cutting granodiorite
1076177	Subcrop Grab	Medium grained Granodiorite with sub millimet sized clay and chlorite veinlets containing trace moly, trace disseminated rusty pyrite throughout, mega crystic poikilitic feldspar phenos
1076178	Subcrop Grab	Medium grained Granodiorite, trace rusty disseminated chalcopryite and pyrite, <1mm thick quartz veinlets <5%, fresh mafics and plag, moderately porphyritic with rounded qtz eyes
1076179	Subcrop Grab	Rusty zone within medium grained Granodiorite, strong ilmenite after mafics, no visible mineralization, stockwork of sub-mm sized lim. Veinlets (photo taken)
1076180	Subcrop Grab	Medium grained Granodiorite, weak chlorite adter mafics, trace disseminated pyrite, <1mm white/yellowish clay veinlets, moderately qtz phyrlic
1076181	Subcrop Grab	Medium grained Granodiorite with sheeted rusty quartz veins containing 0.5% chalcopryite and trace malachite, weak yellowish clay alteration of plagioclase
1076182	Field Dup	Medium grained Granodiorite with sheeted rusty quartz veins containing 0.5% chalcopryite and trace malachite, weak yellowish clay alteration of plagioclase
1076183	Outcrop Grab	Fine grained dark green meta- volcanic, localized coarse grained biotite, weak chlorite replacement of mafics, 1-3% arsenopyrite
1076185	Subcrop Grab	Medium grained Grdr, weak to moderate green/yellow clay? After plag, weak clay alteration of mafics, chl + clay parallel stringers 0.5mm 1 every 0.5cm containing trace pyrite
1076186	Float Grab	Fine grained dark green/grey plag phyrlic diorite, plag phenos 5-10% +/- quartz phenos 5%, trace disseminated pyrite, found adjacent to Grdr,
1076187	Float Grab	Felsic, beige fine grained quartz phyrlic aplite (dyke?) Rounded quartz eyes, trace disseminated rusty aspy and pyrite, rusty orange ilmenite? After mafics, 0.5mm rusty clay stringers
1076189	Subcrop Grab	fine grained granite (quartz rich granitoid, moderate chl and rusty alteration after mafics, moderate pervasive silicification, trace sub millimeter qtz+clay veinlets, sub crop/rubble crop
1076193	Float Grab	Fine grained, dark grey aphanitic basalt, 5% pyrite, strongly magnetic no visible magnetite grains, taken from soil pit
1076194	Float Grab	fine grained biotite and horblende phyrlic quartz rich granitoid. Rusty halo around biotite, trace aspy? And pyrite, float
1076195	Float Grab	massive smoky quartz, strong fe and Mn oxides, moderate epidote blebs trace chlorite stringers, euhedral quartz- epithermal textures, float
1076196	Float Composite	Medium grained granodiorite, >4mm wide shetted aplite (quartz rich) veins ~1 every meter visible in some large boulders no visivle mineralization, large <10cm wide Aplite dykes with a different orientation to the shetted veins, composite float
1076198	Subcrop Composite	Medium grained green and white diorite weak to moderate (weak on average) chl after mafics, trace epidote blebs, trace chlorite nad rusty veinlets 1-2mm, no visible sulphides. (photo taken)
1076199	Float Grab	medium grained green and white diorite, moderate green chlorite after mafics, weakly magnetic (after mafics), trace disseminated pyrite, disseminated pyrrhotite within hbl?, weakly silicified (pervasive)
1076200	Float Composite	strongly bleached and chlorite altered intrusive, pervasive silicification, qtz and tourmaline veinlets <5mm thick at random stockwork like orientations hosting trace pyrite, weakly foliated in some float rock (near contact?) (photo taken)
1076201	Float Grab	grab sample of silicified gabbro (blueschist?) with stockwork veining
1076202	Float Grab	float @ sample site - gdi/sed contact? Chlorite+qtz+minor fabric NOT A DUPLICATE
1076251	Grab	Quartz vein in granodiorite
1076301	Grab	Tsluscent qz vns <1.5 cm cutting md gd equigranular grdr in talus
1076302	Field Dup	Tsluscent qz vns <1.5 cm cutting md gd equigranular grdr in talus
1076303	Grab	bt
1076304	Grab	sharp 115-ttending contact between FP dike+grdr
1076305	Grab	White translucent qz vn <7 cm wide in talus.
1076306	Grab	White wkly tsluscent qz vns <15 cm, near contact between mafics+grdr
1076307	Grab	st rusty weath talus, md/st pv sil, trace po
1076308	Grab	Wt qz vn <3-4cm on ta
1076309	Grab	White bull qz w/ <3-5%euhedral bt, along contact of grdr +mv

Rock Samples - Field Observations

SAMPLE #	SAMPLE TYPE	NOTES
1076312	Grab	White-yl foliation parallel vn <12 cm wide on swollen-most part
1076313	Grab	qtz vein
1076314	Grab	3-7 cm wide wt qz+chl-ep vn
1076315	Grab	aplite?
1076316	Grab	vst pv Fe-oxyhydroxide, txt-destructive, along 096-trending saddle ft, forms sparse ta trail
1076317	Grab	White qz vn < 6-8 cm wide, paralel to main foliation
1076318	Grab	Wt qz vns < 6-8 cm wide, most parallel to dominant foliation. Orange Fe-cb weathering surface.
1076319	Grab	Rusty weathering rubble/crop of st silicified aphanitic schist w/ < 7% dissem fg po+/-py
1076320	Grab	Rusty weathering talus/rc of st pv silicified gr schist w/ <5-7% dis po+/-py, trace cov/bo.
1076321	Grab	Qz vns <4-5 cm in grdr near contact w/Snowcap
1076322	Field Dup	Qz vns <4-5 cm in grdr near contact w/Snowcap
1076323	Grab	Rusty weathering, aphanitic dk gn-rd and pp-br hornfels and fg calc-sil alt'n w/ <5% dis po
1076324	Grab	Rusty to wt westhering vst pv sil+/-wol(?) +patvhy dissem py
1076325	Grab	Local st rusty oc w/ st/md pv sil+/-diss po: hrnfls
1076326	Grab	Vst pv txt-destructive sil,gr aphan patches: vfg sulph?
1076327	Grab	Or (cb?) stained bt-schist surface, pp-br bt-hrnfls w/ sparse qz vnlets <3 mm wide, c-cutting S2 & S3
1076328	Grab	12 cm wide qz/peg vn w/ minor musc+bt at core, x-cutting S2
1076329	Grab	8-12 cm wide opaque gr aplite dike cutting grdr
1076332	Grab	bt along vn contacts
1076333	Grab	Qze cut by wt tsuscent qz vns <1 cm + sigmoidal qz vns
1076334	Grab	Wt tsuscent qz vns <0.8 mm cutting qze. Local wt qz vns <6-8 cm.
1076335	Grab	vfg rutile nedles
1076336	Grab	Qz vnlets <2 mm w/ minor rutile on jt surf
1076337	Grab	Wt bull qz vn >25 cm wide, iregular poddy shape, hosted in mv-qze
1076340	Grab	Trace asp, cpy + blue cov(?) in rusty-br weath blk-br hrnfls
1076341	Grab	Br to gr weathering blk hrnfls w/ tr dis asp+/-cpy
1076342	Field Dup	Br to gr weathering blk hrnfls w/ tr dis asp+/-cpy
1076343	Grab	Rusty weather blk-pp fg hrnfls w/ <2-3% dis cpy + fg dis po(?)
1076344	Grab	Rusty weather blk hrnfls, tr vfg sukph
1076451	Subcrop Grab	M.g. granodiorite with sheeted qtz veinlets up to 3mm; veins carry 0.3% cpy, 0.4% py and trace rusty malachite halos; sx mineralized in qtz veinlets; moderate chlorite after biotite adjacent to veins; <5% clay-rich stringers @90deg to qtz veinlets.
1076452	Subcrop Grab	M.g. granodiorite with sheeted qtz veins; 10-20cm vein spacing, 1-3mm wide; trace py in qtz vein.
1076453	Subcrop Grab	M.g. granodiorite with 5% sheeted qtz veining up to 4mm wide; qtz vein mineralized with 3-5% cpy (in vein, trace in whole rock); trace moly, trace vis. Gold; malachite, 0.2% py; mineraliztion associated with secondary chlorite in vein after biotite.
1076454	Subcrop Grab	M.g. granodiorite subcrop with 2-3mm qtz vein; no sx observed.
1076455	Subcrop Grab	M.g. granodiorite with 1-1.5mm qtz veinlets carrying cpy (0.3% in rock) with malachite staining; rusty veins; nil alteration in wallrock.
1076456	Outcrop Grab	F.g. med grey, hard metavolcanic rock; trace fine disseminated py; weak purple secondary biotite/hornfelsing; rusty fracture surfaces.
1076456	Outcrop Grab	F.g. med grey, hard metavolcanic rock; trace fine disseminated py; weak purple secondary biotite/hornfelsing; rusty fracture surfaces.
1076457	Subcrop Grab	M.g. quartz diorite with zones of concentrated mafics (hbl) and muscovite plus secondary biotite; moderate carbonate alteration as 1-2mm veinlets and patchy pervasive alt.; trace py associated with rusty carbonate zones; slightly greenish colour.
1076458	Outcrop Grab	F.g. foliated metased (?) with rusty qtz veins 10-20mm wide; trace py in wallrock and rusty grains in vein; grey, segregated foliation layers; sample of wallrock with qtz vein.
1076459	Subcrop Composite	M.g. biotite-hornblende granodiorite; sheeted qtz veining present, trace disseminated py; weak rusty Fe-carb alt (ankerite?)
1076460	Outcrop Grab	C.g. biot-hbl granodiorite; v. weak chlorite after biot and hbl; spotty rusty Fe-carb (ankerite?); 1mm qtz vein with trace cpy and malachite, trace moly; rusty vein boundaries; trace disseminated pyrite.
1076461	Outcrop Composite	C.g. granodiorite; megacrystic, poikilitic euhedral plag phenos (with hbl inclusions); sheeted qtz veining observed; rusty boundaries on qtz veins, up to 3mm wide, 20cm spacing; no sx noted.

Rock Samples - Field Observations

SAMPLE #	SAMPLE TYPE	NOTES
1076461	Outcrop Composite	C.g. granodiorite; megacrystic, poikilitic euhedral plag phenos (with hbl inclusions); sheeted qtz veining observed; rusty boundaries on qtz veins, up to 3mm wide, 20cm spacing; no sx noted.
1076462	Field Dup	C.g. granodiorite; megacrystic, poikilitic euhedral plag phenos (with hbl inclusions); sheeted qtz veining observed; rusty boundaries on qtz veins, up to 3mm wide, 20cm spacing; no sx noted.
1076463	Subcrop Composite	C.g. granodiorite; 0.5% coarse disseminated moly blebs; rock is black and white, relatively fresh; sheeted qtz veining present.
1076464	Subcrop Composite	C.g. biot-hbl granodiorite; trace disseminated py and rusty grains; relatively fresh; sheeted qtz veins present.
1076465	Subcrop Grab	F.g. a; lite dyke in granodiorite; pale grey to pink, trace fine diss py
1076466	Subcrop Grab	M.g. granodiorite with coarse disseminated moly (0.2%); chlorite-clay stringers.
1076467	Outcrop Grab	Med to coarse-grained granodiorite; clay stringers; no sx observed; grdr is cut by aplite dykes; dyke rock not in sample.
1076468	Subcrop Grab	M.g. granodiorite with sheeted qtz veins; 1% cpy plus malachite and azurite in qtz veins and fractured vein boundaries, cpy also disseminated; limonite/goethite on fracture surfaces; clay stringers.
1076469	Subcrop Grab	M.g. granodiorite with epidote-chlorite stringers, weak chlorite after mafics adjacent to stringers; no sx observed.
1076472	Outcrop Grab	C.g. granodiorite to qtz diorite, coarse euhedral fresh biotite 'books'; Q25, P30, K15, M30; no sx observed; mafic enclaves/xenoliths composed of m.g. 'salt and pepper' diorite with 4-5mm plag phenos and 2-4mm biotite phenos.
1076473	Outcrop Grab	C.g. quartz diorite with mafic enclaves; qtz vein with adjacent calcite and chlorite stringer; no sx observed.
1076474	Subcrop Grab	M.g. granodiorite; chlorite-stained patches with lim/goeth and trace malachite; chl-ser flooding; no sx observed; weak HCL rxn (rusty Fe-carb?).
1076475	Subcrop Grab	F.g. grey aplite dyke, m.g. along margin with wallrock (c.g. granodiorite); aplite has 5-10% mafics, high qtz content plus plag and kspar; trace disseminated arsenopyrite.
1076476	Outcrop Grab	C.g. qtz diorite to granodiorite; up to 7mm fresh biotite 'books'; no sx observed.
1076477	Float Composite	A: C.g. granodiorite, sheeted qtz veining present in float blocks; sample is wallrock only, sx observed
1076478	Float Composite	Qtz vein composite from float rock; veins 2-3cm wide hosted in granodiorite; mineralized with mo, py, plus trace malachite and cpy; vein is smoky grey and greenish; wallrock adjacent to vein is greenish (sericite and/or chlorite alt - moderate); coarse, drusy voids in qtz vein.
1076479	Float Grab	M.g. granodiorite with 2cm qtz veining/sheeted; 0.2% py in qtz vein
1076480	Subcrop Grab	M.g. granodiorite with rusty fracture surfaces and moderate Fe-carb (ankerite?) alteration; trace py on fracture surfaces.
1076481	Float Grab	M.g. Granodiorite; no sx observed; qtz veins present; rock fractures along vein planes.
1076482	Field Dup	M.g. Granodiorite; no sx observed; qtz veins present; rock fractures along vein planes.
1076483	Float Grab	M.g. granodiorite; trace rusty disseminated py
1076484	Outcrop Grab	Med. Grey biotite-musc. Schist (meta-volcanic?); 2mm secondary brown-purple biotite after mafics; rusty grains, no sx observed; moderately foliated.
1076485	Float Grab	Quartzite float rock with 10% rusty chlorite stringers; trace arsenopyrite in stringers
1076486	Float Grab	Thick, milky-white qtz vein float in schist rubble; rusty stringers with biotite and chlorite after biotite; no sx observed; limonite along fracture surfaces.
1076487	Subcrop Grab	Biotite quartzite with qtz veining; 2 vein sets, one parallel to foliation and one at 90deg to foliation; moderate secondary biotite; rusty, limonitic fracture surfaces; weakly foliated; rock is bleached to buff/white colour adjacent to veins.
1076488	Float Grab	Rusty musc-biot schist float rock; intense lim-goethite; rusty cubic voids; rock is grey to light green where fresh.
1076489	Subcrop Grab	Mafic porphyritic dyke; 30% plag phenos (2-4mm) and 5-10% biotite phenos; rusty fracture surfaces; trace diss py; groundmass is dark purple, fine-grained.
1076492	Float Grab	Rusty biot-musc schist with 1% fine disseminated py; med grey colour; moderately foliated.
1076493	Outcrop Grab	Felsic muscovite schist + biotite; <20% secondary brown-purple biotite blebs (hornfels?); weak Fe-carb alteration
1076494	Float Grab	Rusty light green felsic (musc) schist; moderate pervasive chlorite alteration; 1% diss py.

Rock Samples - Field Observations

SAMPLE #	SAMPLE TYPE	NOTES
1076495	Float Grab	Rusty felsic schist; pale green; 2% diss py
1076496	Float Grab	Dark grey, weakly foliated metavolc (biot schist); 3% fine disseminated py; purple zones of moderate secondary biotite; moderate pervasive chlorite after mafics; rusty weathering planes.
1076497	Float Grab	Muscovite-biotite quartzite to muscovite schist; weakly foliated, qtz-rich; up to 4% fine disseminated py; very rusty wx surface; flagged rock at this location, likely a previously sampled site.
1076498	Outcrop Grab	Muscovite quartzite with quartz veins up to 4cm wide. Some slightly rusty fracture surfaces, trace py.
1076499	Outcrop Grab	Silicified musc-biot schist to quartzite. Undulation foliation planes.
1076500	Outcrop Grab	White muscovite quartzite, few rusty stringers; nil mafics, very hard.
1081952	Outcrop Grab	Massive biotite-hornblende c.g. granodiorite, fresh. Outcrop has 5-10% diorite xenoliths.
1081953	Outcrop Grab	F.G. plag & hbl - phyric diorite xenolith, xeno is sub-rounded, hosted in gd; Plag is euhedral up to 8mm, hbl sub to euhedral up to 3mm.
1081954	Outcrop Grab	C.G. fresh biot-hbl granodiorite; massive; very few xenoliths noted in outcrop.
1081955	Subcrop Grab	Fresh, c.g., massive granodiorite.
1081956	Outcrop Grab	Pink coloured aplite dyke hosted in massive, c.g. granodiorite. Dyke is f.g. with 10-20% coarse, anhedral qtz; an irregular/inconsistent qtz vein (up to 10mm wide) runs through the centre of the dyke. Mafics (hbl, biot) <10% in dyke, moderately altered to chlorite. Chlorite-epidote veinlets cut dyke (1mm wide). No sulphides observed. Moderately weathered, only aplite sampled, with trace host granodiorite.
1081957	Outcrop Grab	C.g. pink aplite dyke with 5% hbl laths; No sulphides observed. 6mm wide. 300/26 orientation of aplite dyke cutting gd.
1081958	Subcrop Grab	C.g., fresh granodiorite
1081959	Float Grab	C.g. granodiorite, fresh, cut by narrow (1cm) c.g. qtz-plag 'aplite' dyke. Both gd and aplite in sample.
1081960	Subcrop Grab	C.g. 'aplite' (qtz-plag) dyke, cutting c.g. granodiorite. Sample is gd and aplite. Aplite composed of c.g. plag, m.g. qtz and 5-10% sheeted biotite up to 2cm. No sulphides observed.
1081961	Subcrop Grab	C.g. biot-hbl granodiorite cut by c-v.c. grained felsic dyke composed of 6-%plag, 30%qtz and 5-10%biotite. Dyke is 8mm wide, No sulphides observed in dyke or wallrock.
1081962	Field Dup	C.g. biot-hbl granodiorite cut by c-v.c. grained felsic dyke composed of 6-%plag, 30%qtz and 5-10%biotite. Dyke is 8mm wide, No sulphides observed in dyke or wallrock.
1081963	Subcrop Grab	Biotite schist with thick rusty quartz layer. 0.5% finely disseminated py in grey biotite-rich layers; moderately foliated.
1081964	Outcrop Grab	Thick qtz-rich layer within biotite schist (qtz only sampled); no sulphides observed in qtz. Foliation 349/59.
1081966	Subcrop Composite	Light-med green m.g. diorite with 0.5% disseminated py; ~5% epidote 'clots', 5-10% qtz veinlets (no sx); moderate chlorite after mafics
1081967	Float Composite	M.g. diorite (to qtz diorite); 0.2% py disseminated and along chlorite veinlets and fractures. Trace epidote grains; moderate chlorite after mafics and as stringers.
1081968	Float Composite	Light green, m.g. diorite; mod-intense chlorite after mafics; trace epidote; 0.5% diss py; trace moly in qtz veinlet, and diss; 5% tourmaline stringers & veinlets; trace cpy disseminated.
1081969	Float Grab	Diorite, m.g. with disseminated trace py and qtz-cpy, trace moly in veinlet; also trace diss. Cpy and moly
1081972	Float Composite	Moderately silicified qtz diorite with trace diss. Py; beige, f.g. mineral (titanite after biotite?), tourmaline stringers; tourmaline with tr. Cpy in qtz vein; chlorite after mafics.
1081973	Float Composite	Silicified qtz diorite with tourmaline veinlets, carbonate vein; tr. Epidote clots; tr. Py; limonite stained fracture surface; chlorite after mafics.
1081974	Float Composite	Intensely bleached (white) augen gneiss/met. Rock; trace py; qtz veins 1-10mm wide; qtz-tourmaline veinlets up to 2mm.
1081975	Outcrop Grab	30cm-wide milky white qtz vein cutting across host gneiss foliation; gneiss is weakly augen, grey to black layers with some lensoid qtz layers. Foliation 245/23, Qtz vein 260/44
1082001	Outcrop Grab	F-m.g. black and white equigranular massive diorite; 50% plag, <10% kspar, 5-10% qtz, 30% biot.

Rock Samples - Field Observations

SAMPLE #	SAMPLE TYPE	NOTES
1082002	Outcrop Grab	Feldspar porphyry; purple f.g. groundmass; 25-30% plag phenos 2-5mm subhedral; 10% biot phenos 1-3mm euhedral; qtz vein cuts FP unit; veins 2-3mmwide.
1082003	Subcrop Grab	F.g. diorite; fracture surface has a rusty coating and trace py; chlorite nodule 1.5cmx1cm with rusty halo and trace py; 2mm atz veins, sheeted 10-30cm spacing.
1082004	Field Dup	F.g. diorite; fracture surface has a rusty coating and trace py; chlorite nodule 1.5cmx1cm with rusty halo and trace py; 2mm atz veins, sheeted 10-30cm spacing.
1082005	Outcrop Grab	White to grey quartzite with rusty stringers 10-20% musc.
1082006	Float Grab	Dk grey biot-musc schist with qtz veining. Veins are 2-3mm wide; rusty cubic voids (wx py); slightly rusty wx surface.
1082007	Outcrop Grab	Grey, moderately foliated metasediment; 2-3cm qtz veins oriented with foliation; rusty fractures; stockwork qtz veinlets, 2-3mm, follow foliation
1082015	Float Grab	Rubble pile with numerous aplite dyke sets; dykes/ qtz-plag veins vary in thickness from 3mm up to 150mm, various orientations observed; aplites vary in grain size; colour is white to buff/pink; no sx observed.
1082016	Float Grab	C.g. granodiorite; sub-rounded qtz eyes; euhedral biotite, euhedral hbl; FP slightly green-coloured; fresh; aplites present in rubble, not in sample; no sx observed.
1082017	Float Grab	C.g. granodiorite; slightly greenish colour; 3mm qtz veinlet; weak rusty blebs and stringers; musc in vein; no sx observed.
1082019	Subcrop Grab	F.g. pink-grey aplite dyke in c.g. granodiorite rubble. Outcrop is large, but mostly slumped. Narrow qtz veinlets observed in large, blocky subcrop; fresh granodiorite.
1082029	Float Grab	C.g. hbl-biot granodiorite w/ 1mm-wide qtz stringers; trace sulphides (arsenopyrite?)
1082032	Outcrop Grab	1mm wide qtz vein (125/70) hosted in c.g. granodiorite with 5-10% m.g. plag and biotite-phyric diorite xenoliths; xenos are sub-rounded and range in size from 10-30cm; qtz vein (125/70) is
1082033	Float Grab	C.g. granodiorite, massive, blocky float rocks; aplite was observed in float in this area, not sampled; only one dyke noted in large blocky piece.
1082034	Subcrop Grab	Mafic, m.g. dark green gabbro dyke; very hard; 3% py, disseminated cubic, ~0.5mm max
1082035	Subcrop Grab	C.g. biot-hbl granodiorite, fresh, massive, blocky; no sx observed.
1082036	Outcrop Grab	C.g. biot-hbl granodiorite; fresh; no sx observed.
1082037	Outcrop Grab	Resistant chlorite-qtz veinlet set in massive c.g. granodiorite; 2 sets of veins observed in outcrop(110/77, 190/45); strong weathering, very crumbly; diorite xenoliths present.
1082038	Outcrop Grab	C.g. biot-hbl granodiorite; xenoliths present in coutcrop; chlorite veinlets.
1082039	Float Grab	M.g. felsic 'aplite' dyke, 3cm wide, cutting c.g. biot-hbl granodiorite; <5% mafics in aplite, with 1mm and finer trace magnetite (in dyke) with rusty halos.
1082040	Float Grab	Aphanitic, dark green mafic coherent rock with 1% fine diss py; zones of calcite-filled vesicles; in a rubble pile with granodiorite rocks.
1082041	Float Grab	C.g. biot-hbl gd; 5-10% pale greenish-white mineral, chl-clay stringers, oxidized fracture surfaces; no sx observed.
1082042	Field Dup	
1082043	Float Grab	C.g. granodiorite, fresh
1082044	Float Grab	Dark green aphanitic, very hard coherent rock; trace v.f. disseminated py.
1082045	Float Grab	Felsic qtz-eye porphyry; trace sulphides (arseno?), 5% rusty blebs
1082046	Float Grab	Felsic, f-m.g. 'microgranite'; relatively rusty on fresh break; weakly porphyritic with sub-rounded qtz eyes.
1082047	Outcrop Grab	Massive, rounded gd outcrop with 5-10% sub-rounded plag&biot-phyric diorite xenoliths; c.g. granodiorite, fresh.
1082048	Float Grab	Massive, c.g. granodiorite, fresh
1082049	Outcrop Grab	C.g. massive biot-hble granodiorite, fresh
1082052	Float Composite	Diorite w/ trace disseminated pyrite; minor chl-epi-biot alteration
1082063	Subcrop Grab	Biot-rich granodiorite cut by 4cm wide qtz vein; no sulphide
1082064	Subcrop Composite	Granodiorite cut by irregular qtz veins to 5cm; no sulphide
1082065	Float Composite	Orange-brown weathering granodiorite; weak sericite alteration of feldspar; biotite altered to chlorite; no veins, no sulphide
1082066	Float Composite	Fresh granodiorite w/ hairline chl-cpy-(mal) veinlets; trace cpy
1082067	Float Grab	Granodiorite w/ 2cm qtz vein w/ trace cpy-(moly)
1082068	Float Composite	Biot-granodiorite w/ low density (1/m) qtz veins w/ trace cpy-pyr-(moly)
1082069	Float Composite	Granodiorite w/ sheeted veins; locally up to 10/m, avg 2/m; no sulphide seen; veins to 1cm wide
1082072	Float Composite	Biot-rich granodiorite w/ narrow qtz veins (2/m) to 1cm; trace pyrite
1082073	Float Composite	Biot-rich granodiorite w/ narrow qtz veins (2/m) to 1cm; trace pyrite, moly
1082074	Float Grab	Biot-rich granodiorite w/ narrow qtz veins (2/m) to 1cm; trace pyrite, moly

Rock Samples - Field Observations

SAMPLE #	SAMPLE TYPE	NOTES
1082075	Float Composite	Biot-rich granodiorite cut by qtz veins to 1cm (2/m) and chlorite harline veinlets; trace moly-cpy-pyr in veins and veinlets
1082076	Float Composite	Biot-granodiorite w/ minor qtz veins to 1cm (1/m); local strong limonitic orange staining of grd; trace cpy in hairline veinlets
1082077	Float Grab	Biot granodiorite w/ hairline limonitic veinlets w/ trace cpy
1082078	Float Composite	Biotite-granodiorite weak sericite alteration; minor hairline limonitic veinlets w/ trace cpy; only 1/m qtz veinlets
1082079	Float Grab	Biotite-granodiorite weak sericite alteration; minor hairline limonitic veinlets w/ 0.1% cpy, 0.2% moly, trace malachite, sulphides on limonitic fractures; no qtz vein in sample
1082080	Float Composite	Biot-granodiorite w/ rare (<1/m) qtz veins to 1cm; single vein noted w/ large moly gran, overall trace moly
1082085	Float Grab	Rounded boulder in creek; biot-grd in creek cut by qtz-(moly) veins, 1-3cm wide, 5/m
1082089	Float Grab	Rounded boulder in creek; biotite-granodiorite, cut by 2cm qtz-ksp(??)-(moly) vein; qtz vein cut by chl-ep veinlets
1082092	Float Composite	Strongly bleached (qtz? Albite?) metamorphic rock w/ locally strong chl-epidote +- tourmaline veinlets; trace pyrite
1082093	Outcrop Grab	Pervasively chl-ep-actinolite(?) altered meta-sed (schist?)
1082094	Float Composite	Diorite w/ chl altered mafic biot; 2% diss pyrite, trace malachite, minor tourmaline veinlets
1082095	Float Composite	Diorite-clast breccia w/ pervasive +- chl-actinolite-albite(?) ep alteration and minor tourmaline veinlets; 1% pyrite
1082096	Float Composite	Bleached (albite?) schist w/ abundant qtz-tourm veinlets; trace pyrite
1082097	Float Composite	Diorite w/ chl-altered mafics; 0.5% diss pyrite; trace cpy; minor qtz-tourm veinlets
1082098	Float Composite	Bleached (qtz-albite?) diorite w/ chl-alteration; 1% diss py; trace cpy, trace moly, minor qtz-ep veinlets
1082099	Float Grab	Diorite w/ chl-ep(?) alteration; 1% diss cpy
1082100	Float Grab	Diorite w/ chl alteration; 1% diss pyrite and qtz-tourm veins

APPENDIX IV

STREAM GEOCHEMICAL ANALYTICAL CERTIFICATES



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Submitted By: Andrea Langerud

Receiving Lab: Canada-Whitehorse

Received: June 27, 2011

Report Date: July 25, 2011

Page: 1 of 4

CERTIFICATE OF ANALYSIS

WHI11000316.1

CLIENT JOB INFORMATION

Project: 210800
Shipment ID: YTG-005
P.O. Number
Number of Samples: 72

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.

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

CC: Randy Farmer
Rupa Mukherjee

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
S150	68	Sieve to 150 mesh			VAN
RJSV	68	Saving all or part of Soil Reject			VAN
1F06	72	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
2A05	72	Loss on Ignition at 1000 C		Completed	VAN

ADDITIONAL COMMENTS



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



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Project: 210800
Report Date: July 25, 2011

Page: 2 of 4 Part 1

CERTIFICATE OF ANALYSIS

WHI11000316.1

	Method Analyte Unit MDL	S150	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		+150 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%
		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
1077301	Silt	446.0	0.73	21.03	3.61	52.2	185	34.8	11.3	449	2.95	9.1	0.9	510.9	4.1	32.9	0.23	0.42	0.26	83
1077302	Silt	308.0	0.84	26.90	4.93	62.9	101	33.4	12.1	571	2.69	14.5	1.0	25.7	2.4	41.2	0.26	0.51	0.09	65
1077303	Silt	369.0	3.81	43.68	18.39	96.7	354	36.8	15.0	579	3.52	55.4	5.9	5.4	11.6	69.3	0.73	1.57	0.20	75
1077304	Silt	4479	3.41	52.90	12.02	140.0	206	21.2	14.1	720	3.20	63.7	4.2	4.4	13.2	88.0	1.80	0.87	0.56	68
1077305	Silt	338.0	2.62	40.58	9.75	118.9	164	20.8	14.7	731	3.32	46.6	3.4	89.6	9.9	83.1	1.18	0.72	0.46	78
1077306	Silt	450.0	1.17	19.37	5.29	67.7	70	24.0	13.7	652	3.04	14.7	1.7	47.5	3.9	59.0	0.18	0.40	0.13	78
1077307	Silt	513.0	0.78	16.21	3.12	45.1	74	27.9	10.4	526	2.55	6.5	1.0	177.9	3.1	38.0	0.10	0.25	0.04	68
1077308	Silt	228.0	1.69	21.51	5.54	60.1	74	29.8	12.2	533	3.31	6.9	5.3	179.5	6.8	53.8	0.18	0.41	0.11	88
1077309	Silt	435.0	2.05	15.99	6.03	55.7	63	24.6	10.9	441	2.93	5.8	6.7	51.5	6.8	47.7	0.20	0.40	0.11	72
1077310	Silt	283.0	0.86	15.17	3.94	52.5	50	24.6	9.7	368	2.72	11.2	6.0	35.7	5.9	37.8	0.18	0.25	0.13	75
1077311 STD GS-1	Rock Pulp	N.A.	0.62	19.53	9.04	48.8	30	26.0	11.6	396	2.72	3.8	1.4	0.8	7.1	95.1	0.05	0.19	0.19	11
1077312	Silt	275.0	1.53	18.14	6.52	54.3	125	21.4	9.6	363	2.32	11.5	2.1	358.0	5.1	35.5	0.18	0.47	0.41	49
1077313	Silt	303.0	3.52	12.72	5.50	56.0	59	18.0	11.1	898	2.63	8.5	8.0	119.6	6.2	43.8	0.21	0.32	0.19	51
1077314	Silt	479.0	0.60	17.20	3.44	53.3	46	22.4	9.3	346	2.25	3.6	3.7	3.6	2.0	39.2	0.13	0.26	0.05	56
1077315	Silt	316.0	0.76	19.84	4.11	56.7	42	24.4	9.0	269	2.24	3.4	5.3	3.8	2.2	39.6	0.14	0.27	0.05	51
1077316	Silt	670.0	0.88	28.74	4.05	54.6	74	32.2	13.2	540	2.80	5.9	0.9	8.3	2.5	76.3	0.17	0.38	0.09	72
1077317	Silt	204.0	0.78	35.06	5.56	86.1	143	23.9	9.5	310	2.34	12.8	16.1	5.7	5.0	44.6	1.41	0.38	0.14	51
1077318	Silt	245.0	1.02	37.59	6.58	102.5	192	20.4	9.3	346	2.57	22.0	9.8	2.1	6.8	37.8	1.88	0.37	0.21	57
1077319	Silt	249.0	0.94	39.49	6.11	106.3	192	25.5	10.2	347	2.64	16.3	8.6	89.9	6.2	46.1	1.84	0.36	0.15	58
1077320	Silt	382.0	0.59	20.72	3.54	62.1	45	26.8	10.5	495	2.51	4.4	0.8	115.5	2.7	39.4	0.13	0.33	0.06	64
1077321	Silt	662.0	0.82	10.46	3.59	42.5	39	15.2	7.5	250	2.18	2.9	1.4	40.2	4.9	25.5	0.10	0.25	0.27	56
1077322	Silt	515.0	0.59	17.06	3.56	51.6	29	26.0	10.4	392	2.78	4.2	0.6	56.6	2.9	32.7	0.13	0.27	0.04	78
1077323	Silt	514.0	0.61	16.65	3.14	52.6	272	28.1	9.9	352	3.00	3.7	0.7	948.1	3.1	32.9	0.11	0.24	0.05	92
1077324	Silt	380.0	0.65	16.80	3.09	48.9	194	26.2	10.2	357	3.05	3.6	0.9	997.2	2.7	32.2	0.12	0.25	0.06	93
1077325	Silt	630.0	0.63	17.11	3.22	46.0	157	27.1	9.9	331	2.78	3.6	0.5	926.7	3.0	32.8	0.10	0.24	0.04	83
1077326	Silt	482.0	0.55	15.98	3.18	47.5	76	23.9	9.1	322	2.56	3.7	0.6	178.4	2.3	33.5	0.10	0.27	0.09	72
1077327	Silt	419.0	0.57	17.88	3.20	48.7	100	24.3	9.8	287	2.79	3.2	0.7	505.4	2.3	35.3	0.12	0.27	0.04	83
1077328	Silt	298.0	1.07	17.14	4.14	56.7	60	27.0	9.5	408	2.35	5.1	4.2	24.7	2.8	43.8	0.18	0.33	0.11	54
1077329	Silt	349.0	0.49	16.55	3.41	53.3	43	23.3	9.0	313	2.24	3.3	0.9	5.0	2.4	38.3	0.16	0.28	0.04	58
1077330	Silt	440.0	0.59	12.83	2.94	50.4	27	25.2	9.5	298	2.71	2.8	0.5	1.1	2.6	32.1	0.07	0.23	0.03	78



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Project: 210800
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Page: 2 of 4 Part 2

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
1077301	Silt	0.100	11.6	42.2	0.89	138.6	0.103	2	1.22	0.031	0.09	3.0	3.0	0.07	<0.02	21	0.3	0.05	4.3	0.77	0.1
1077302	Silt	0.090	10.7	38.5	0.82	149.9	0.099	3	1.53	0.033	0.09	0.4	3.9	0.09	0.03	23	0.5	<0.02	4.9	0.99	<0.1
1077303	Silt	0.094	18.1	42.0	0.94	142.8	0.106	1	1.91	0.027	0.15	3.4	4.9	0.16	0.04	27	0.4	0.06	6.8	5.72	0.1
1077304	Silt	0.102	17.3	30.1	0.86	200.2	0.131	<1	2.31	0.027	0.24	2.1	4.5	0.28	0.02	23	0.4	0.07	7.1	5.03	<0.1
1077305	Silt	0.094	14.9	32.5	0.92	205.2	0.136	2	2.20	0.027	0.22	1.7	4.8	0.24	0.02	21	0.1	0.03	7.1	4.03	<0.1
1077306	Silt	0.087	9.7	34.8	0.91	176.0	0.124	2	1.76	0.031	0.14	0.8	4.2	0.12	0.02	18	0.3	<0.02	5.2	1.78	<0.1
1077307	Silt	0.102	11.0	40.6	0.80	135.5	0.105	2	1.11	0.034	0.08	0.6	2.6	0.05	0.03	5	0.3	<0.02	4.0	0.59	0.1
1077308	Silt	0.106	18.4	46.7	0.90	162.3	0.108	2	1.42	0.030	0.09	1.3	3.8	0.06	0.04	24	0.2	<0.02	4.9	1.52	<0.1
1077309	Silt	0.087	19.0	38.8	0.74	156.8	0.089	2	1.36	0.025	0.08	1.3	3.6	0.07	0.02	23	0.2	0.03	4.6	1.71	<0.1
1077310	Silt	0.078	14.5	38.2	0.69	126.1	0.103	2	1.14	0.027	0.07	1.8	2.6	0.06	<0.02	13	0.2	0.05	4.0	0.95	<0.1
1077311 STD GS-1	Rock Pulp	0.039	17.7	19.8	1.02	66.9	0.031	1	1.16	0.021	0.21	0.1	2.1	0.10	0.03	13	0.3	0.03	3.5	0.97	<0.1
1077312	Silt	0.061	14.0	27.7	0.58	122.5	0.096	2	1.37	0.025	0.05	3.2	3.3	0.08	0.02	19	0.2	0.02	4.5	1.02	0.1
1077313	Silt	0.079	15.0	24.6	0.54	126.8	0.089	2	1.25	0.025	0.06	3.5	3.0	0.07	<0.02	19	0.3	<0.02	3.8	0.82	<0.1
1077314	Silt	0.079	9.7	32.7	0.72	109.1	0.097	3	1.17	0.035	0.07	0.4	2.9	0.05	0.02	16	0.5	0.02	3.6	0.54	<0.1
1077315	Silt	0.084	10.6	31.2	0.71	124.0	0.098	3	1.31	0.038	0.07	0.8	3.1	0.07	0.02	27	0.3	0.02	3.9	0.66	<0.1
1077316	Silt	0.086	10.6	40.0	1.03	103.9	0.117	3	1.30	0.045	0.12	0.2	3.9	0.05	0.05	24	0.2	<0.02	4.3	0.64	<0.1
1077317	Silt	0.084	16.5	33.7	0.73	158.8	0.099	3	1.55	0.031	0.08	2.7	3.8	0.12	0.04	23	0.8	0.02	4.4	1.16	<0.1
1077318	Silt	0.077	17.0	32.0	0.66	164.5	0.114	2	1.68	0.023	0.07	2.5	3.8	0.11	0.03	19	0.4	0.03	4.9	1.54	<0.1
1077319	Silt	0.086	20.0	34.1	0.74	191.3	0.112	2	1.68	0.029	0.08	3.2	4.2	0.12	0.03	28	0.6	0.04	4.9	1.25	<0.1
1077320	Silt	0.082	10.7	34.7	0.79	112.6	0.109	2	1.27	0.038	0.08	0.4	3.0	0.07	<0.02	15	0.4	<0.02	4.0	0.70	<0.1
1077321	Silt	0.074	13.4	26.2	0.53	94.8	0.095	1	0.99	0.025	0.04	6.1	2.4	0.04	<0.02	<5	0.2	<0.02	3.5	0.59	<0.1
1077322	Silt	0.088	11.0	38.2	0.85	119.4	0.116	1	1.22	0.033	0.07	0.5	2.9	0.05	<0.02	<5	0.1	0.02	4.0	0.56	<0.1
1077323	Silt	0.087	10.8	45.8	0.85	118.0	0.117	2	1.11	0.034	0.08	0.6	2.8	0.05	<0.02	10	<0.1	<0.02	4.2	0.55	<0.1
1077324	Silt	0.088	10.9	46.1	0.86	121.0	0.113	2	1.12	0.033	0.08	0.5	2.7	0.04	<0.02	59	0.1	0.03	4.2	0.53	0.1
1077325	Silt	0.086	10.7	40.5	0.82	115.4	0.109	2	1.12	0.034	0.08	0.5	2.5	0.05	<0.02	17	0.1	<0.02	3.7	0.54	0.1
1077326	Silt	0.081	9.6	37.1	0.79	116.2	0.111	2	1.15	0.037	0.08	0.4	2.7	0.04	<0.02	12	0.2	<0.02	3.6	0.52	<0.1
1077327	Silt	0.081	10.0	39.6	0.79	116.1	0.119	2	1.21	0.037	0.07	0.8	2.6	0.04	<0.02	18	0.3	0.05	3.9	0.55	<0.1
1077328	Silt	0.081	11.0	37.8	0.68	127.1	0.096	2	1.28	0.034	0.07	0.5	3.1	0.08	0.02	7	0.3	0.03	3.9	0.69	<0.1
1077329	Silt	0.085	10.8	34.0	0.68	137.9	0.105	2	1.27	0.037	0.07	0.4	2.9	0.06	<0.02	9	0.3	<0.02	3.6	0.57	<0.1
1077330	Silt	0.079	9.9	41.3	0.76	93.0	0.113	2	1.12	0.034	0.07	0.3	2.6	0.04	<0.02	20	0.2	<0.02	3.8	0.47	<0.1



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Report Date: July 25, 2011

Page: 2 of 4 Part 3

CERTIFICATE OF ANALYSIS

WHI11000316.1

	Method	Analyte	Unit	MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI			
					Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
					0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1077301	Silt			0.09	0.45	9.0	0.5	<0.05	3.5	7.36	23.6	0.04	<1	0.3	9.3	<10	<2	4.3	
1077302	Silt			0.05	0.94	11.1	0.6	<0.05	3.0	8.01	22.3	0.02	<1	0.4	10.9	<10	<2	9.8	
1077303	Silt			0.06	0.96	15.9	0.8	<0.05	2.5	9.33	36.4	<0.02	<1	1.3	20.1	<10	<2	7.3	
1077304	Silt			0.06	1.54	27.5	2.7	<0.05	2.2	10.97	39.3	<0.02	<1	1.1	22.9	<10	<2	9.6	
1077305	Silt			0.05	1.36	25.7	2.1	<0.05	2.1	9.70	32.5	0.02	<1	1.1	20.9	<10	<2	10.0	
1077306	Silt			0.05	0.86	14.9	0.7	<0.05	2.0	7.41	21.6	<0.02	<1	0.4	13.3	<10	<2	5.4	
1077307	Silt			0.06	0.51	7.3	0.5	<0.05	3.2	6.71	22.7	<0.02	1	0.1	8.3	<10	3	3.8	
1077308	Silt			0.05	0.71	8.9	0.6	<0.05	2.8	9.36	35.5	<0.02	<1	0.4	11.8	<10	<2	11.4	
1077309	Silt			0.06	0.76	8.8	0.5	<0.05	2.3	8.58	35.2	<0.02	<1	0.5	11.2	<10	<2	3.4	
1077310	Silt			0.04	0.58	8.4	0.4	<0.05	2.5	6.32	28.5	<0.02	<1	0.2	9.9	<10	<2	7.1	
1077311 STD GS-1	Rock Pulp			<0.02	0.68	14.7	0.6	<0.05	1.0	7.38	36.6	<0.02	<1	0.3	26.5	<10	<2	8.5	
1077312	Silt			0.06	1.22	8.1	0.6	<0.05	3.3	7.28	27.7	0.02	<1	0.3	11.3	<10	<2	8.0	
1077313	Silt			0.06	0.86	8.0	0.5	<0.05	3.4	7.37	30.0	<0.02	<1	0.3	10.2	<10	<2	6.2	
1077314	Silt			0.07	0.75	8.0	0.3	<0.05	3.4	6.53	20.3	<0.02	1	0.2	8.2	<10	<2	6.8	
1077315	Silt			0.05	0.88	10.2	0.4	<0.05	3.2	7.20	20.7	<0.02	<1	0.4	10.4	<10	<2	8.0	
1077316	Silt			0.19	0.42	7.5	0.4	<0.05	8.0	9.19	22.7	<0.02	<1	0.3	9.5	<10	<2	6.4	
1077317	Silt			0.07	1.17	13.1	0.5	<0.05	3.2	10.58	26.8	0.02	<1	0.5	14.2	16	<2	12.5	
1077318	Silt			0.06	1.12	12.2	0.6	<0.05	2.8	9.74	28.8	<0.02	<1	0.4	15.9	11	<2	9.1	
1077319	Silt			0.05	1.10	12.3	0.5	<0.05	3.0	12.85	30.0	0.02	<1	0.5	15.1	<10	<2	10.6	
1077320	Silt			0.07	0.76	10.9	0.3	<0.05	3.6	6.87	21.4	0.02	<1	0.3	8.6	<10	<2	6.5	
1077321	Silt			0.06	0.66	5.6	0.4	<0.05	2.5	5.42	25.6	<0.02	<1	0.2	8.4	<10	<2	4.0	
1077322	Silt			0.06	0.52	7.7	0.3	<0.05	3.6	7.20	22.3	<0.02	<1	0.3	8.6	<10	<2	4.2	
1077323	Silt			0.07	0.42	7.9	0.3	<0.05	3.7	6.65	21.4	<0.02	<1	0.2	8.6	<10	<2	4.2	
1077324	Silt			0.08	0.38	7.6	0.3	<0.05	3.6	6.67	22.0	<0.02	<1	0.2	7.9	<10	2	3.5	
1077325	Silt			0.07	0.37	7.1	0.3	<0.05	3.8	6.72	22.1	<0.02	<1	0.4	8.0	<10	<2	3.3	
1077326	Silt			0.08	0.55	7.8	0.3	<0.05	3.2	6.36	19.7	<0.02	<1	0.3	8.0	<10	<2	4.4	
1077327	Silt			0.05	0.68	7.7	0.3	<0.05	3.0	6.46	20.3	<0.02	<1	0.1	8.5	<10	<2	5.4	
1077328	Silt			0.08	1.03	9.7	0.3	<0.05	3.6	7.24	23.1	<0.02	<1	0.3	10.3	<10	<2	8.4	
1077329	Silt			0.06	0.61	9.8	0.3	<0.05	2.9	7.08	21.5	<0.02	<1	0.3	9.1	<10	<2	4.7	
1077330	Silt			0.08	0.51	7.1	0.3	<0.05	3.7	6.09	20.4	<0.02	<1	0.2	7.9	<10	<2	3.7	



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Report Date: July 25, 2011

Page: 3 of 4 Part 1

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	S150	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		+150 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		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
1077331 STD GS-1	Rock Pulp	N.A.	12.91	106.1	131.8	306.1	1733	37.2	6.8	587	2.37	23.4	2.8	105.2	6.8	68.0	2.20	5.49	6.59	37
1077332	Silt	374.0	0.65	21.19	3.94	55.5	49	36.2	11.0	378	2.62	5.8	2.2	2.8	4.8	37.1	0.16	0.32	0.11	67
1077333	Silt	476.0	0.77	28.41	4.48	51.5	58	34.0	14.0	546	2.85	8.3	0.6	3.5	2.8	30.5	0.14	0.59	0.08	74
1077334	Silt	245.0	0.85	27.83	4.27	58.4	89	31.9	12.2	1118	2.84	28.9	0.6	29.2	2.4	37.1	0.21	0.66	0.07	61
1077335	Silt	455.0	0.70	24.42	4.06	61.3	57	32.8	11.8	494	2.81	12.3	0.9	6.1	2.8	36.6	0.22	0.47	0.10	71
1077336	Silt	182.0	3.83	65.95	7.81	115.8	211	22.2	12.8	547	2.96	45.8	4.2	6.5	7.1	52.8	1.52	0.73	0.41	71
1077337	Silt	224.0	4.56	49.32	7.16	126.7	179	21.1	10.8	513	2.79	59.0	4.7	85.7	8.1	41.5	2.08	0.75	0.49	69
1077338 STD GS-1	Rock Pulp	N.A.	0.65	20.37	8.28	49.9	35	24.2	11.3	410	2.69	4.4	1.3	1.0	7.4	82.3	0.05	0.17	0.22	14
1077339	Silt	347.0	3.87	52.16	6.02	73.3	160	21.1	11.6	436	2.85	23.9	2.1	2.9	5.3	47.6	0.51	0.54	0.24	74
1077340	Silt	399.0	0.70	21.81	4.07	57.3	50	32.3	11.1	336	2.66	12.9	0.9	2.9	3.6	38.7	0.14	0.40	0.11	70
1077341	Silt	441.0	1.01	20.83	5.05	60.7	68	27.6	10.9	420	2.74	8.9	3.9	66.8	8.2	35.8	0.28	0.29	0.14	79
1077342	Silt	526.0	0.63	16.05	4.61	57.3	40	17.7	9.1	351	2.47	4.5	2.6	3.9	8.1	27.2	0.16	0.24	0.09	67
1077343	Silt	347.0	2.33	18.73	5.94	53.4	55	18.2	9.5	391	2.48	6.4	7.7	10.7	5.1	38.7	0.17	0.40	0.12	60
1077344	Silt	201.0	2.10	16.12	6.43	54.5	71	17.2	9.2	375	2.20	12.6	2.6	4.0	4.5	34.7	0.25	0.38	0.27	49
1077345	Silt	347.0	3.60	12.27	6.73	52.1	55	15.3	8.2	320	2.14	8.5	2.4	11.2	5.8	29.0	0.17	0.27	0.32	53
1077346	Silt	120.0	1.24	14.15	5.83	51.0	78	15.9	7.3	215	1.89	30.4	2.3	3.1	3.2	29.3	0.19	0.42	0.24	44
1077347	Silt	293.0	4.88	35.04	7.81	67.1	98	30.5	12.3	448	2.79	17.9	1.5	9.0	1.8	33.2	0.22	0.86	0.28	66
1077348	Silt	733.0	3.19	13.24	6.43	49.4	91	15.3	8.9	333	2.39	7.0	6.3	395.6	8.8	35.3	0.23	0.28	0.60	57
1077349	Silt	348.0	1.27	19.81	5.89	48.0	56	22.0	9.9	389	2.65	4.5	3.8	5.6	5.4	39.3	0.21	0.26	0.14	73
1077350	Silt	663.0	0.65	19.76	2.48	41.6	44	24.3	9.5	341	2.68	5.6	0.9	44.2	2.6	49.9	0.13	0.27	0.06	85
1077351	Silt	487.0	0.56	16.51	2.56	46.4	49	23.4	9.5	278	2.36	3.3	2.2	126.7	2.2	36.2	0.12	0.23	0.09	66
1077352	Silt	755.0	0.56	19.29	2.37	39.5	54	23.4	9.2	374	2.54	3.9	0.7	19.6	2.1	51.2	0.09	0.24	0.06	77
1077353	Silt	330.0	2.28	54.12	7.53	129.3	271	21.0	10.7	456	2.79	40.2	17.3	4.6	9.4	37.9	3.15	0.44	0.37	67
1077354	Silt	544.0	3.68	12.61	5.36	49.5	49	14.3	8.1	356	2.36	4.1	6.9	108.7	12.9	29.5	0.18	0.25	0.42	60
1077355	Silt	412.0	1.00	11.25	6.73	47.2	35	13.3	7.6	233	2.02	4.6	4.3	5.1	8.6	29.4	0.17	0.30	0.09	47
1077356	Silt	224.0	0.75	26.69	4.55	54.5	99	27.7	12.7	445	2.71	5.3	6.2	328.1	4.6	38.7	0.17	0.39	0.09	65
1077357	Silt	198.0	0.75	13.00	4.33	51.9	40	16.5	9.2	335	2.22	5.1	4.6	1.2	6.4	28.3	0.17	0.35	0.10	47
1077358	Silt	121.0	0.67	12.18	4.25	48.5	42	15.7	8.9	308	2.14	4.9	3.2	3.2	5.1	26.3	0.14	0.34	0.09	46
1077359	Silt	229.0	2.63	15.88	5.57	57.1	59	18.4	9.0	293	2.21	6.3	14.1	2.4	6.7	36.1	0.25	0.34	0.14	51
1077360	Silt	330.0	2.59	14.12	3.75	43.9	43	18.8	10.4	695	2.30	6.6	4.8	183.7	4.6	33.4	0.15	0.31	0.07	51



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Page: 3 of 4 Part 2

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1077331 STD GS-1	Rock Pulp	0.069	14.5	114.4	0.61	279.2	0.119	3	0.94	0.092	0.42	2.8	2.2	5.36	0.16	206	5.5	4.86	4.5	2.32
1077332	Silt	0.082	12.6	39.0	0.86	171.6	0.123	2	1.36	0.031	0.10	0.3	3.3	0.09	<0.02	11	0.4	0.02	4.3	0.96
1077333	Silt	0.081	11.3	42.9	0.76	136.6	0.107	2	1.45	0.030	0.08	0.7	3.5	0.07	<0.02	8	0.2	0.03	4.5	0.91
1077334	Silt	0.103	10.8	36.7	0.74	171.8	0.094	2	1.51	0.031	0.08	0.3	3.6	0.07	<0.02	10	0.3	0.03	4.3	0.95
1077335	Silt	0.096	12.0	42.2	0.80	154.1	0.113	2	1.49	0.037	0.09	0.7	3.7	0.07	<0.02	6	0.3	0.04	4.7	0.95
1077336	Silt	0.082	15.5	33.4	0.72	153.3	0.108	2	1.69	0.030	0.12	3.3	4.2	0.17	0.03	25	0.2	<0.02	5.6	2.76
1077337	Silt	0.075	16.7	30.2	0.64	139.7	0.101	3	1.57	0.027	0.11	4.8	3.5	0.17	0.03	29	0.3	<0.02	5.1	2.77
1077338 STD GS-1	Rock Pulp	0.042	18.6	20.9	1.06	67.7	0.030	3	1.18	0.018	0.20	<0.1	2.0	0.09	0.04	12	0.3	<0.02	3.3	0.94
1077339	Silt	0.086	11.6	31.6	0.68	128.8	0.102	2	1.56	0.029	0.12	3.6	3.6	0.12	0.03	19	0.3	<0.02	5.1	2.18
1077340	Silt	0.088	11.1	48.3	0.78	124.9	0.097	2	1.33	0.034	0.10	0.6	3.6	0.07	0.02	44	0.2	<0.02	4.5	1.24
1077341	Silt	0.103	14.1	36.9	0.68	181.9	0.118	3	1.35	0.028	0.09	1.8	3.2	0.11	<0.02	37	0.2	<0.02	4.4	1.18
1077342	Silt	0.068	12.5	31.0	0.58	166.5	0.122	3	1.35	0.020	0.05	0.7	3.2	0.08	<0.02	24	0.2	<0.02	4.7	0.92
1077343	Silt	0.066	17.5	27.3	0.52	123.5	0.086	3	1.33	0.020	0.05	2.1	3.3	0.07	0.02	43	0.2	<0.02	4.5	1.09
1077344	Silt	0.070	12.9	25.8	0.54	119.8	0.091	2	1.33	0.025	0.05	1.4	3.2	0.08	0.03	18	0.3	<0.02	4.3	1.04
1077345	Silt	0.072	14.6	24.6	0.50	110.7	0.103	2	1.19	0.023	0.04	11.5	2.8	0.08	<0.02	87	0.2	<0.02	4.3	1.05
1077346	Silt	0.071	10.7	22.2	0.49	98.1	0.082	2	1.26	0.023	0.04	0.5	2.9	0.07	<0.02	19	0.1	<0.02	3.8	0.87
1077347	Silt	0.057	10.8	39.6	0.67	117.4	0.064	2	1.60	0.023	0.04	1.0	3.2	0.07	0.04	30	0.2	<0.02	4.9	2.33
1077348	Silt	0.103	17.7	24.8	0.48	99.9	0.088	2	1.02	0.025	0.04	10.0	2.7	0.06	<0.02	10	0.1	<0.02	3.7	0.75
1077349	Silt	0.093	12.2	32.3	0.65	105.5	0.086	2	1.15	0.039	0.05	1.2	3.2	0.03	<0.02	17	0.2	<0.02	3.8	0.49
1077350	Silt	0.095	9.4	36.2	0.83	91.8	0.094	3	0.93	0.031	0.07	0.3	2.6	0.03	0.04	<5	0.3	<0.02	3.4	0.44
1077351	Silt	0.096	9.8	35.2	0.79	92.7	0.097	3	1.10	0.038	0.07	0.3	3.0	0.05	<0.02	15	0.2	<0.02	3.5	0.51
1077352	Silt	0.087	8.7	36.5	0.84	78.7	0.092	2	0.97	0.036	0.07	0.2	2.7	0.04	0.02	9	0.3	<0.02	3.3	0.39
1077353	Silt	0.081	21.8	35.0	0.64	189.5	0.109	2	1.75	0.020	0.09	8.0	4.6	0.15	0.03	19	0.4	<0.02	5.4	2.19
1077354	Silt	0.109	22.3	26.3	0.46	101.1	0.100	1	1.01	0.024	0.05	33.6	2.8	0.07	<0.02	16	0.2	<0.02	4.0	1.01
1077355	Silt	0.103	16.3	21.9	0.49	99.4	0.099	2	1.15	0.024	0.05	1.9	3.0	0.08	<0.02	19	0.1	<0.02	3.9	1.00
1077356	Silt	0.094	12.0	33.4	0.70	117.8	0.107	2	1.42	0.042	0.08	0.7	4.1	0.06	<0.02	44	0.2	<0.02	4.4	0.61
1077357	Silt	0.073	13.7	23.9	0.53	150.7	0.102	2	1.28	0.025	0.05	1.1	2.9	0.10	0.02	54	0.2	<0.02	4.2	1.05
1077358	Silt	0.076	12.6	23.6	0.48	151.3	0.095	1	1.26	0.024	0.05	0.8	3.0	0.09	0.02	15	0.1	<0.02	3.9	1.02
1077359	Silt	0.090	14.6	28.8	0.54	145.6	0.100	3	1.38	0.022	0.06	1.2	3.8	0.08	<0.02	15	0.4	<0.02	4.4	0.93
1077360	Silt	0.102	12.1	28.2	0.48	123.9	0.089	2	1.13	0.027	0.05	3.4	2.9	0.06	<0.02	<5	0.1	<0.02	3.6	0.64



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Report Date: July 25, 2011

Page: 3 of 4 Part 3

CERTIFICATE OF ANALYSIS

WHI11000316.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppb	ppb	ppb
		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1077331 STD GS-1	Rock Pulp	0.09	1.35	37.6	5.7	<0.05	2.2	5.99	27.7	1.97	45	5.3	25.7	121	350
1077332	Silt	0.03	0.86	13.0	0.4	<0.05	2.7	6.97	25.0	<0.02	1	0.3	11.6	<10	<2
1077333	Silt	0.06	0.40	8.2	0.4	<0.05	3.4	7.90	23.4	<0.02	<1	0.4	10.0	<10	<2
1077334	Silt	0.04	0.56	8.7	0.4	<0.05	2.4	7.55	23.9	<0.02	<1	0.4	10.1	<10	<2
1077335	Silt	0.05	0.69	9.7	0.4	<0.05	2.8	7.84	24.2	<0.02	<1	0.4	11.4	<10	<2
1077336	Silt	0.06	1.17	17.5	0.9	<0.05	2.2	9.05	27.1	0.04	<1	0.8	16.7	<10	<2
1077337	Silt	0.06	1.19	17.4	1.0	<0.05	2.4	10.96	28.8	0.02	<1	0.6	16.7	<10	<2
1077338 STD GS-1	Rock Pulp	0.02	0.60	14.1	0.7	<0.05	0.8	7.03	35.4	<0.02	<1	0.3	29.1	<10	<2
1077339	Silt	0.04	0.90	14.7	0.7	<0.05	2.0	6.30	22.2	0.02	<1	0.5	13.6	<10	<2
1077340	Silt	0.05	0.75	9.3	0.4	<0.05	2.5	6.10	21.5	<0.02	<1	0.3	14.6	<10	<2
1077341	Silt	0.05	0.73	12.5	0.5	<0.05	2.5	8.67	25.9	0.02	<1	0.4	12.7	<10	2
1077342	Silt	0.03	0.81	10.6	0.6	<0.05	1.9	5.80	22.3	<0.02	<1	0.4	12.8	<10	<2
1077343	Silt	0.05	0.86	8.3	0.5	<0.05	2.3	7.99	28.6	0.02	<1	0.2	11.6	<10	<2
1077344	Silt	0.07	1.14	8.2	0.5	<0.05	2.7	6.66	24.2	<0.02	<1	0.3	11.3	<10	<2
1077345	Silt	0.07	1.03	8.3	0.6	<0.05	2.5	6.01	26.7	<0.02	<1	0.1	11.7	<10	<2
1077346	Silt	0.06	0.78	5.4	0.4	<0.05	2.6	5.71	20.4	<0.02	<1	0.2	9.1	<10	2
1077347	Silt	0.03	0.67	7.2	0.4	<0.05	1.6	6.48	18.9	<0.02	<1	0.4	11.3	<10	6
1077348	Silt	0.08	0.63	6.6	0.5	<0.05	3.2	7.45	32.5	<0.02	<1	0.3	9.8	<10	<2
1077349	Silt	0.13	0.30	4.4	0.4	<0.05	5.4	7.27	24.5	0.02	<1	0.3	8.3	<10	<2
1077350	Silt	0.09	0.24	5.0	0.3	<0.05	4.3	6.64	18.1	<0.02	<1	0.1	6.3	<10	<2
1077351	Silt	0.08	0.53	7.0	0.3	<0.05	3.9	6.98	19.5	<0.02	<1	0.2	7.9	<10	<2
1077352	Silt	0.11	0.23	4.6	0.2	<0.05	5.0	6.84	17.5	<0.02	<1	0.2	6.2	<10	3
1077353	Silt	0.04	1.01	16.1	0.6	<0.05	2.4	12.48	32.1	<0.02	<1	0.5	22.0	<10	<2
1077354	Silt	0.05	0.78	8.0	0.5	<0.05	3.0	8.48	41.8	<0.02	<1	0.2	12.0	<10	3
1077355	Silt	0.09	0.85	7.5	0.5	<0.05	3.0	7.36	28.6	<0.02	<1	0.3	12.9	<10	<2
1077356	Silt	0.19	0.71	6.3	0.4	<0.05	7.4	8.90	24.6	<0.02	<1	0.4	10.5	<10	<2
1077357	Silt	0.06	1.04	9.1	0.4	<0.05	2.9	6.14	24.2	<0.02	<1	0.2	11.8	<10	<2
1077358	Silt	0.06	0.96	8.6	0.4	<0.05	2.8	6.01	23.1	<0.02	<1	0.2	11.1	<10	<2
1077359	Silt	0.06	0.92	11.0	0.5	<0.05	2.8	7.89	27.9	<0.02	1	0.2	13.4	<10	<2
1077360	Silt	0.07	0.67	6.5	0.4	<0.05	3.6	6.73	23.7	<0.02	<1	0.2	9.8	<10	<2



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Page: 4 of 4 Part 1

CERTIFICATE OF ANALYSIS

WHI11000316.1

	Method Analyte Unit MDL	S150	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		+150 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		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
1077361	Silt	176.0	1.23	16.33	4.33	50.6	49	20.0	8.9	367	2.15	4.9	4.9	2.2	3.6	37.0	0.15	0.32	0.09	51
1077362 STD GS-1	Rock Pulp	N.A.	0.68	21.40	8.48	49.4	30	25.9	12.0	411	2.73	4.4	1.4	1.4	7.1	79.9	0.07	0.16	0.19	15
1077363	Silt	460.0	1.15	18.24	3.79	53.4	35	16.6	8.4	314	2.22	4.0	1.1	5.4	5.0	26.9	0.12	0.29	0.39	52
1077364	Silt	458.0	0.71	26.59	3.69	58.7	47	30.2	11.8	426	2.83	4.8	0.9	1.5	3.6	36.6	0.20	0.28	0.07	73
1077365	Silt	475.0	0.69	21.55	2.78	46.8	90	26.7	9.9	375	2.74	4.2	0.6	393.1	2.4	47.0	0.15	0.26	0.06	84
1077366	Silt	496.0	0.68	22.67	3.24	50.6	35	30.9	11.4	386	2.87	4.4	0.5	4.7	2.3	43.6	0.15	0.25	0.05	85
1077367	Silt	608.0	0.60	19.72	3.19	51.6	32	26.7	10.5	367	2.68	4.2	0.5	0.8	2.4	37.9	0.14	0.25	0.05	76
1077368	Silt	504.0	0.46	9.35	2.75	48.2	32	17.5	8.3	224	2.12	3.0	1.4	100.4	3.2	28.4	0.09	0.19	0.05	61
1077369	Silt	494.0	1.59	12.33	3.42	51.1	54	19.8	8.9	348	2.37	4.2	1.7	115.0	3.6	30.9	0.14	0.27	0.16	61
1077370	Silt	326.0	0.48	9.09	3.01	50.1	26	16.0	6.5	199	1.58	2.9	0.7	3.3	2.1	27.1	0.10	0.22	0.07	38
1077371	Silt	198.0	2.07	16.88	6.20	61.4	61	23.1	11.1	595	2.76	8.9	5.6	7.1	6.4	43.0	0.20	0.50	0.30	63
1077372	Silt	366.0	0.79	26.13	4.17	63.0	65	34.0	11.2	551	2.66	13.0	0.8	2.4	2.4	40.6	0.24	0.46	0.14	65



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Page: 4 of 4 Part 2

CERTIFICATE OF ANALYSIS

WHI11000316.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1077361	Silt	0.095	11.9	29.1	0.55	128.1	0.103	3	1.30	0.032	0.06	0.9	3.6	0.07	0.02	12	0.3	<0.02	3.9	0.74
1077362 STD GS-1	Rock Pulp	0.042	20.7	20.9	1.08	69.9	0.033	1	1.23	0.019	0.22	<0.1	2.2	0.10	0.04	8	<0.1	<0.02	3.5	1.01
1077363	Silt	0.074	14.6	26.7	0.55	106.2	0.099	2	1.13	0.027	0.05	4.8	2.7	0.05	<0.02	6	<0.1	<0.02	3.9	0.71
1077364	Silt	0.101	12.4	45.9	0.93	143.9	0.115	3	1.37	0.038	0.10	0.4	3.4	0.08	0.03	21	0.4	<0.02	4.3	0.76
1077365	Silt	0.094	9.8	42.6	0.88	106.0	0.100	2	1.07	0.035	0.08	0.1	2.8	0.04	<0.02	<5	0.2	<0.02	3.6	0.52
1077366	Silt	0.094	10.9	45.1	0.89	119.0	0.111	2	1.18	0.038	0.08	0.2	2.9	0.05	<0.02	20	0.2	<0.02	3.8	0.60
1077367	Silt	0.090	10.4	41.0	0.82	118.4	0.108	2	1.14	0.035	0.08	0.2	3.0	0.05	<0.02	11	0.3	<0.02	4.0	0.58
1077368	Silt	0.100	12.0	31.8	0.53	102.0	0.094	2	0.95	0.031	0.05	1.5	2.1	0.04	<0.02	<5	<0.1	<0.02	3.3	0.48
1077369	Silt	0.094	13.0	32.1	0.60	112.0	0.096	2	1.08	0.033	0.07	1.8	2.5	0.05	<0.02	6	0.2	<0.02	3.6	0.64
1077370	Silt	0.062	9.4	23.8	0.47	87.1	0.072	1	0.93	0.030	0.04	0.4	2.0	0.05	<0.02	15	0.2	<0.02	3.1	0.58
1077371	Silt	0.072	17.9	31.9	0.68	128.2	0.100	1	1.50	0.027	0.07	2.0	3.8	0.09	<0.02	37	0.3	0.05	4.8	1.84
1077372	Silt	0.092	11.4	40.6	0.81	147.4	0.110	2	1.50	0.037	0.09	0.3	3.7	0.08	0.02	34	0.4	<0.02	4.6	0.97



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Page: 4 of 4 Part 3

CERTIFICATE OF ANALYSIS

WHI11000316.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1077361	Silt	0.05	0.94	7.8	0.4	<0.05	3.1	7.36	23.4	<0.02	<1	0.2	11.3	<10	<2
1077362 STD GS-1	Rock Pulp	<0.02	0.64	14.7	0.7	<0.05	0.9	7.25	39.4	<0.02	<1	0.3	27.3	<10	<2
1077363	Silt	0.06	0.83	7.1	0.5	<0.05	2.3	5.89	27.0	<0.02	<1	0.2	10.0	<10	<2
1077364	Silt	0.07	0.76	11.1	0.4	<0.05	3.4	7.77	24.0	<0.02	<1	0.3	11.2	<10	<2
1077365	Silt	0.10	0.27	6.8	0.3	<0.05	3.9	6.83	19.6	<0.02	<1	0.3	7.0	<10	2
1077366	Silt	0.07	0.48	7.8	0.4	<0.05	3.8	7.36	21.3	<0.02	1	0.3	8.5	<10	3
1077367	Silt	0.08	0.50	7.3	0.3	<0.05	3.8	6.59	20.5	<0.02	<1	<0.1	8.0	<10	2
1077368	Silt	0.05	0.57	6.1	0.3	<0.05	2.5	6.07	22.9	<0.02	<1	0.2	7.3	<10	2
1077369	Silt	0.07	0.73	8.3	0.4	<0.05	2.6	6.29	25.3	<0.02	1	0.2	9.4	<10	<2
1077370	Silt	0.06	0.76	6.1	0.3	<0.05	2.1	4.60	17.7	<0.02	<1	0.3	8.0	<10	<2
1077371	Silt	0.07	1.04	9.8	0.5	<0.05	2.8	7.80	32.7	0.04	<1	0.6	13.8	<10	<2
1077372	Silt	0.07	0.91	9.3	0.4	<0.05	3.2	7.72	23.1	<0.02	<1	0.4	11.1	<10	<2



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Report Date:

July 25, 2011

Page:

1 of 1

Part 1

QUALITY CONTROL REPORT

WHI11000316.1

	Method Analyte Unit MDL	S150	S150	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-150 Wt	+150 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0	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
Pulp Duplicates																					
1077304	Silt	116	4479	3.41	52.90	12.02	140.0	206	21.2	14.1	720	3.20	63.7	4.2	4.4	13.2	88.0	1.80	0.87	0.56	68
REP 1077304	QC			3.37	51.09	11.70	141.9	192	20.9	13.7	721	3.21	63.4	4.1	6.2	13.1	87.7	1.75	0.82	0.73	69
1077322	Silt	87	515.0	0.59	17.06	3.56	51.6	29	26.0	10.4	392	2.78	4.2	0.6	56.6	2.9	32.7	0.13	0.27	0.04	78
REP 1077322	QC			0.62	17.95	3.60	52.1	64	26.7	11.0	402	2.88	4.3	0.7	18.2	3.0	32.1	0.14	0.27	0.05	81
1077337	Silt	134	224.0	4.56	49.32	7.16	126.7	179	21.1	10.8	513	2.79	59.0	4.7	85.7	8.1	41.5	2.08	0.75	0.49	69
REP 1077337	QC			4.58	50.78	7.33	137.5	160	20.3	11.1	517	2.79	59.9	4.9	15.9	8.0	45.2	2.01	0.76	0.51	70
1077338 STD GS-1	Rock Pulp	N.A.	N.A.	0.65	20.37	8.28	49.9	35	24.2	11.3	410	2.69	4.4	1.3	1.0	7.4	82.3	0.05	0.17	0.22	14
REP 1077338 STD GS-1	QC																				
1077355	Silt	232	412.0	1.00	11.25	6.73	47.2	35	13.3	7.6	233	2.02	4.6	4.3	5.1	8.6	29.4	0.17	0.30	0.09	47
REP 1077355	QC																				
1077358	Silt	238	121.0	0.67	12.18	4.25	48.5	42	15.7	8.9	308	2.14	4.9	3.2	3.2	5.1	26.3	0.14	0.34	0.09	46
REP 1077358	QC			0.67	12.97	4.27	48.5	39	16.3	8.7	305	2.19	4.9	3.3	3.1	5.7	28.2	0.14	0.35	0.15	47
1077371	Silt	111	198.0	2.07	16.88	6.20	61.4	61	23.1	11.1	595	2.76	8.9	5.6	7.1	6.4	43.0	0.20	0.50	0.30	63
REP 1077371	QC			2.01	16.88	6.18	60.4	62	23.4	11.0	616	2.80	8.7	5.9	6.5	6.6	40.0	0.19	0.50	0.12	64
Reference Materials																					
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DS8	Standard			13.33	110.3	114.2	300.3	1653	37.3	7.6	604	2.41	25.3	2.6	98.1	6.6	62.9	2.34	5.13	6.01	41
STD DS8	Standard			13.15	109.7	114.6	303.0	1703	37.7	7.0	581	2.40	25.9	2.5	100.1	6.5	62.2	2.30	5.09	6.12	40
STD DS8	Standard			12.76	107.7	133.5	311.4	1761	37.4	7.0	622	2.48	24.0	2.8	105.8	6.9	72.7	2.08	5.50	6.73	39
STD DS8	Standard			12.17	103.6	125.5	303.2	1661	36.5	7.2	615	2.42	23.4	2.6	102.7	6.8	68.4	2.22	5.04	6.33	38
STD DS8	Standard			12.28	103.2	126.7	318.4	1705	35.6	7.3	591	2.39	23.5	2.7	106.1	6.4	64.7	2.06	5.26	6.44	37
STD DS8	Standard			11.94	101.2	124.5	303.2	1700	35.3	7.2	560	2.34	22.3	2.5	103.5	6.3	63.4	2.09	5.13	6.26	36
STD DOLOMITE-2 Expected																					
STD DS8 Expected				13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1
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
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
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



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Project:

210800

Report Date:

July 25, 2011

Page:

1 of 1

Part 2

QUALITY CONTROL REPORT

WHI11000316.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																					
1077304	Silt	1.04	0.102	17.3	30.1	0.86	200.2	0.131	<1	2.31	0.027	0.24	2.1	4.5	0.28	0.02	23	0.4	0.07	7.1	5.03
REP 1077304	QC	1.04	0.104	17.2	30.7	0.84	208.9	0.131	1	2.25	0.027	0.24	2.0	4.3	0.29	0.02	21	0.2	0.09	7.4	4.92
1077322	Silt	0.89	0.088	11.0	38.2	0.85	119.4	0.116	1	1.22	0.033	0.07	0.5	2.9	0.05	<0.02	<5	0.1	0.02	4.0	0.56
REP 1077322	QC	0.90	0.086	11.3	40.3	0.86	120.9	0.119	2	1.19	0.034	0.07	0.6	3.0	0.05	<0.02	34	0.3	0.02	4.2	0.56
1077337	Silt	0.68	0.075	16.7	30.2	0.64	139.7	0.101	3	1.57	0.027	0.11	4.8	3.5	0.17	0.03	29	0.3	<0.02	5.1	2.77
REP 1077337	QC	0.68	0.074	16.4	31.3	0.64	141.5	0.107	3	1.57	0.028	0.11	5.7	3.7	0.17	0.03	17	0.4	<0.02	5.1	2.81
1077338 STD GS-1	Rock Pulp	3.52	0.042	18.6	20.9	1.06	67.7	0.030	3	1.18	0.018	0.20	<0.1	2.0	0.09	0.04	12	0.3	<0.02	3.3	0.94
REP 1077338 STD GS-1	QC																				
1077355	Silt	0.59	0.103	16.3	21.9	0.49	99.4	0.099	2	1.15	0.024	0.05	1.9	3.0	0.08	<0.02	19	0.1	<0.02	3.9	1.00
REP 1077355	QC																				
1077358	Silt	0.58	0.076	12.6	23.6	0.48	151.3	0.095	1	1.26	0.024	0.05	0.8	3.0	0.09	0.02	15	0.1	<0.02	3.9	1.02
REP 1077358	QC	0.61	0.073	12.7	24.2	0.49	147.9	0.100	2	1.31	0.026	0.05	0.8	2.9	0.10	0.02	15	0.2	<0.02	4.0	1.04
1077371	Silt	0.65	0.072	17.9	31.9	0.68	128.2	0.100	1	1.50	0.027	0.07	2.0	3.8	0.09	<0.02	37	0.3	0.05	4.8	1.84
REP 1077371	QC	0.65	0.070	18.2	33.0	0.68	129.1	0.100	1	1.52	0.027	0.07	2.4	3.7	0.09	0.02	26	0.3	0.03	4.9	1.79
Reference Materials																					
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DS8	Standard	0.70	0.083	15.1	118.7	0.60	269.6	0.113	3	0.90	0.086	0.41	2.6	2.1	5.04	0.16	189	4.7	4.58	4.4	2.35
STD DS8	Standard	0.69	0.080	14.9	114.3	0.59	270.5	0.110	3	0.90	0.085	0.41	2.7	2.0	4.91	0.16	188	5.0	4.55	4.6	2.33
STD DS8	Standard	0.72	0.079	15.9	122.8	0.63	268.7	0.124	2	0.95	0.090	0.42	2.9	2.3	5.41	0.16	209	5.4	5.15	4.6	2.47
STD DS8	Standard	0.71	0.075	15.2	112.8	0.61	264.3	0.115	2	0.92	0.086	0.41	2.9	2.1	5.07	0.16	192	5.5	4.61	4.4	2.30
STD DS8	Standard	0.69	0.075	14.0	115.9	0.61	253.9	0.112	2	0.92	0.094	0.42	3.0	2.2	5.26	0.16	199	5.3	4.79	4.7	2.37
STD DS8	Standard	0.64	0.074	12.7	111.7	0.58	249.5	0.107	2	0.86	0.083	0.40	2.7	2.1	5.21	0.15	205	4.9	4.59	4.3	2.32
STD DOLOMITE-2 Expected																					
STD DS8 Expected		0.7	0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02



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210800

Report Date:

July 25, 2011

Page:

1 of 1

Part 3

QUALITY CONTROL REPORT

WHI11000316.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
Pulp Duplicates																	
1077304	Silt	<0.1	0.06	1.54	27.5	2.7	<0.05	2.2	10.97	39.3	<0.02	<1	1.1	22.9	<10	<2	9.6
REP 1077304	QC	<0.1	0.05	1.51	27.0	2.8	<0.05	2.4	10.42	38.6	<0.02	<1	1.2	22.4	<10	<2	
1077322	Silt	<0.1	0.06	0.52	7.7	0.3	<0.05	3.6	7.20	22.3	<0.02	<1	0.3	8.6	<10	<2	4.2
REP 1077322	QC	<0.1	0.07	0.48	7.5	0.4	<0.05	3.5	7.06	22.4	<0.02	<1	0.2	9.0	<10	<2	
1077337	Silt	<0.1	0.06	1.19	17.4	1.0	<0.05	2.4	10.96	28.8	0.02	<1	0.6	16.7	<10	<2	10.8
REP 1077337	QC	<0.1	0.05	1.25	19.0	1.1	<0.05	2.5	11.64	29.7	0.02	<1	0.7	16.7	<10	<2	
1077338 STD GS-1	Rock Pulp	<0.1	0.02	0.60	14.1	0.7	<0.05	0.8	7.03	35.4	<0.02	<1	0.3	29.1	<10	<2	8.6
REP 1077338 STD GS-1	QC																8.7
1077355	Silt	<0.1	0.09	0.85	7.5	0.5	<0.05	3.0	7.36	28.6	<0.02	<1	0.3	12.9	<10	<2	4.8
REP 1077355	QC																4.6
1077358	Silt	<0.1	0.06	0.96	8.6	0.4	<0.05	2.8	6.01	23.1	<0.02	<1	0.2	11.1	<10	<2	7.8
REP 1077358	QC	<0.1	0.05	1.03	9.1	0.4	<0.05	2.7	6.11	23.1	<0.02	<1	0.2	11.4	<10	<2	
1077371	Silt	<0.1	0.07	1.04	9.8	0.5	<0.05	2.8	7.80	32.7	0.04	<1	0.6	13.8	<10	<2	8.1
REP 1077371	QC	<0.1	0.07	1.01	9.6	0.5	<0.05	2.7	7.49	33.3	<0.02	1	0.3	13.6	<10	<2	
Reference Materials																	
STD DOLOMITE-2	Standard																46.0
STD DOLOMITE-2	Standard																46.0
STD DS8	Standard	<0.1	0.08	1.17	37.0	6.5	<0.05	1.8	5.66	27.1	2.04	51	5.1	26.5	110	326	
STD DS8	Standard	<0.1	0.08	1.29	36.7	6.5	<0.05	1.9	5.86	26.7	1.91	60	3.9	24.1	119	331	
STD DS8	Standard	0.2	0.08	1.24	37.4	6.2	<0.05	2.2	6.04	28.9	2.02	52	5.9	27.0	129	345	
STD DS8	Standard	0.1	0.08	1.10	35.3	6.1	<0.05	2.1	5.68	26.9	2.09	50	5.4	26.3	118	330	
STD DS8	Standard	0.1	0.06	1.12	36.2	5.9	<0.05	2.0	5.49	26.1	1.92	51	5.3	25.1	127	338	
STD DS8	Standard	0.1	0.08	1.07	37.8	6.1	<0.05	2.1	5.16	24.4	2.12	43	5.6	24.2	124	340	
STD DOLOMITE-2 Expected																	46
STD DS8 Expected		0.13	0.08	1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	



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Submitted By: Andrea Langerud

Receiving Lab: Canada-Whitehorse

Received: June 30, 2011

Report Date: July 28, 2011

Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI11000365.1

CLIENT JOB INFORMATION

Project: 210800
Shipment ID: YTG-006
P.O. Number
Number of Samples: 57

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.

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

CC: Randy Farmer
Rupa Mukherjee

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
S150	54	Sieve to 150 mesh			VAN
1F06	57	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
2A05	57	Loss on Ignition at 1000 C		Completed	VAN
RJSV	54	Saving all or part of Soil Reject			VAN

ADDITIONAL COMMENTS



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



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Project:

210800

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Page:

2 of 3

Part 1

CERTIFICATE OF ANALYSIS

WHI11000365.1

	Method Analyte Unit MDL	S150	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		+150 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		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
1077373 STD GS-1	Rock Pulp	N.A.	0.75	23.01	10.94	56.2	35	28.8	12.5	447	2.90	4.5	1.8	0.5	8.9	95.1	0.09	0.16	0.25	15
1077374	Silt	375.0	0.70	15.73	5.16	44.9	41	20.7	9.6	239	2.23	13.5	1.2	12.7	4.2	28.2	0.17	0.59	0.27	52
1077375	Silt	375.0	0.84	12.36	6.71	47.7	44	26.2	8.9	235	2.19	13.4	0.9	2.5	3.2	24.7	0.16	0.73	0.22	48
1077376	Silt	288.0	0.74	13.04	7.29	51.7	55	24.5	8.7	234	2.01	10.9	1.0	1.4	3.0	27.7	0.18	0.65	0.16	47
1077377	Silt	409.0	0.58	10.91	5.85	42.3	235	16.4	8.1	262	2.00	8.2	1.2	1194	4.7	23.3	0.13	0.46	0.21	53
1077378	Silt	435.0	0.53	9.33	5.22	38.0	51	13.6	6.8	229	1.73	6.0	1.1	54.3	4.5	23.9	0.14	0.39	0.12	45
1077379	Silt	416.0	0.54	11.97	5.84	54.8	34	17.8	9.5	423	2.16	3.8	2.4	14.7	5.5	29.4	0.17	0.28	0.08	50
1077380	Silt	319.0	0.49	12.82	7.13	53.5	38	17.4	8.4	277	1.90	3.6	1.9	8.2	4.7	33.0	0.21	0.35	0.07	47
1077381	Silt	456.0	0.71	21.52	6.17	60.0	48	24.6	10.1	306	2.37	4.8	2.9	3.3	4.8	42.9	0.19	0.30	0.08	59
1077382	Silt	394.0	1.01	16.66	8.77	56.7	56	18.5	9.2	235	2.34	4.1	6.4	6.1	5.6	40.8	0.20	0.45	0.11	55
1077383	Silt	371.0	1.17	20.12	8.50	70.0	74	22.2	11.1	376	2.56	5.1	4.9	3.4	6.0	42.5	0.24	0.43	0.13	61
1077384	Silt	588.0	0.66	12.88	5.19	47.9	32	20.9	8.3	286	1.92	3.1	2.6	4.1	4.7	31.3	0.16	0.24	0.07	44
1077385	Silt	419.0	0.60	16.63	5.54	51.4	36	22.9	9.1	284	2.21	4.1	1.2	27.8	4.0	29.4	0.15	0.29	0.08	46
1077386	Silt	525.0	0.50	15.51	4.82	44.5	24	22.2	9.1	267	2.22	3.1	0.9	10.4	4.7	35.9	0.12	0.21	0.06	49
1077387	Silt	773.0	0.53	17.24	6.15	48.5	42	23.7	9.4	299	2.16	3.8	1.0	46.2	4.4	43.6	0.14	0.45	0.09	47
1077388	Silt	457.0	0.56	17.41	7.05	56.9	53	23.4	9.7	304	2.62	4.2	1.4	290.3	5.9	44.5	0.15	0.45	0.11	58
1077389	Silt	438.0	0.41	15.80	4.05	42.0	23	24.7	8.7	222	1.88	2.9	1.1	7.9	3.1	30.7	0.09	0.13	0.04	46
1077390	Silt	367.0	0.44	16.10	4.14	40.5	44	24.8	8.9	224	1.88	2.9	0.6	128.6	3.3	31.2	0.09	0.15	0.09	47
1077391	Silt	544.0	0.54	19.89	4.80	49.5	46	31.6	11.4	274	2.24	3.1	0.7	158.9	3.6	31.5	0.11	0.15	0.08	52
1077392	Silt	407.0	0.64	17.20	10.27	104.6	77	25.9	12.5	585	3.35	15.6	0.9	5.9	2.5	33.2	0.42	0.83	0.31	72
1077393	Silt	476.0	0.43	7.97	5.31	55.3	56	12.4	7.7	353	2.07	6.8	0.5	110.9	2.3	26.8	0.15	0.43	0.12	41
1077394	Silt	247.0	0.71	21.48	16.63	79.6	237	21.0	9.7	730	2.15	10.3	0.8	30.8	2.1	30.4	0.47	0.58	0.20	52
1077395	Silt	401.0	1.94	20.51	7.22	71.9	157	26.2	12.4	1416	2.86	18.7	1.1	87.0	3.6	37.6	0.51	0.68	0.36	62
1077396	Silt	569.0	1.06	25.79	7.97	82.4	141	28.0	10.7	502	3.00	31.4	0.6	3.5	2.9	27.2	0.35	1.54	0.42	68
1077397 STD GS-1	Rock Pulp	N.A.	0.65	22.56	9.83	53.5	33	28.5	12.8	451	2.97	4.4	1.6	<0.2	8.9	92.7	0.07	0.11	0.19	15
1077398	Silt	543.0	1.46	23.82	4.53	86.7	66	32.2	13.2	589	3.00	12.9	0.6	2.9	3.3	25.4	0.26	0.83	0.07	85
1077399	Silt	833.0	0.40	9.42	6.37	57.0	40	13.9	8.6	274	2.30	6.0	0.8	14.6	2.9	41.3	0.17	0.39	0.05	51
1077400	Silt	497.0	0.70	9.50	5.32	65.7	71	15.9	10.6	424	2.87	8.4	0.6	121.8	2.2	32.8	0.13	0.42	0.03	58
1077401	Silt	494.0	0.65	8.16	5.58	81.6	25	12.3	8.9	499	2.84	5.3	0.7	7.0	2.7	36.2	0.16	0.35	0.02	44
1077402	Silt	357.0	0.65	19.76	5.40	64.0	59	23.2	9.7	326	2.14	4.7	2.3	2.8	3.9	42.4	0.21	0.32	0.10	48



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Project: 210800
Report Date: July 28, 2011

Page: 2 of 3 Part 2

CERTIFICATE OF ANALYSIS

WHI11000365.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1077373 STD GS-1	Rock Pulp	0.044	23.0	20.8	1.14	75.8	0.035	<1	1.27	0.020	0.21	0.1	2.2	0.11	0.04	11	0.1	<0.02	3.7	1.19
1077374	Silt	0.078	13.4	27.5	0.54	108.0	0.092	1	1.24	0.017	0.05	0.3	3.0	0.07	<0.02	14	0.2	0.02	4.3	1.15
1077375	Silt	0.102	13.3	32.6	0.57	113.6	0.075	2	1.26	0.015	0.06	0.5	2.8	0.07	<0.02	10	<0.1	<0.02	4.5	1.12
1077376	Silt	0.098	13.0	30.9	0.55	120.4	0.084	1	1.30	0.015	0.05	0.7	3.0	0.07	<0.02	17	<0.1	<0.02	4.4	1.11
1077377	Silt	0.095	15.6	26.4	0.48	100.6	0.087	1	1.11	0.013	0.04	1.3	2.6	0.05	<0.02	17	<0.1	<0.02	3.9	0.91
1077378	Silt	0.090	14.3	22.5	0.45	94.7	0.083	1	1.05	0.012	0.03	0.7	2.6	0.04	<0.02	11	0.1	<0.02	3.4	0.75
1077379	Silt	0.094	16.3	27.3	0.53	118.6	0.098	2	1.22	0.018	0.05	0.5	3.0	0.06	<0.02	31	<0.1	<0.02	4.1	0.74
1077380	Silt	0.091	15.3	26.1	0.52	131.4	0.102	4	1.32	0.019	0.04	0.3	3.2	0.07	<0.02	45	<0.1	<0.02	4.2	0.93
1077381	Silt	0.096	15.1	34.8	0.67	146.4	0.116	2	1.43	0.025	0.09	0.2	3.7	0.09	<0.02	15	0.3	<0.02	4.6	1.52
1077382	Silt	0.073	15.2	27.5	0.53	187.4	0.103	<1	1.60	0.016	0.05	0.3	3.3	0.07	<0.02	19	0.3	<0.02	4.9	1.86
1077383	Silt	0.092	17.4	30.9	0.59	183.3	0.116	<1	1.60	0.019	0.08	0.3	3.8	0.10	0.02	12	0.3	<0.02	5.4	1.83
1077384	Silt	0.092	15.8	29.8	0.48	98.0	0.104	<1	1.10	0.022	0.09	0.3	2.6	0.08	<0.02	14	<0.1	<0.02	3.8	0.82
1077385	Silt	0.076	13.4	30.9	0.58	97.8	0.103	<1	1.23	0.017	0.10	0.2	2.7	0.10	<0.02	16	<0.1	<0.02	4.4	1.06
1077386	Silt	0.095	13.9	31.1	0.53	75.7	0.103	2	1.05	0.021	0.12	0.2	2.4	0.10	<0.02	5	<0.1	<0.02	3.9	0.96
1077387	Silt	0.087	14.4	30.9	0.55	71.6	0.098	<1	1.11	0.025	0.11	0.2	2.7	0.09	<0.02	8	0.1	<0.02	3.9	1.00
1077388	Silt	0.105	16.8	36.2	0.53	70.2	0.118	1	1.28	0.026	0.14	0.4	2.8	0.12	<0.02	17	<0.1	<0.02	4.8	1.30
1077389	Silt	0.090	12.0	35.7	0.59	101.8	0.110	2	0.98	0.022	0.09	0.1	2.2	0.07	<0.02	10	0.2	<0.02	3.5	0.76
1077390	Silt	0.095	12.7	37.1	0.59	99.6	0.114	1	0.99	0.023	0.09	0.2	2.4	0.07	<0.02	8	<0.1	<0.02	3.6	0.77
1077391	Silt	0.107	14.2	45.7	0.67	122.9	0.131	<1	1.21	0.023	0.11	0.2	2.6	0.08	<0.02	13	0.2	<0.02	4.4	1.10
1077392	Silt	0.080	14.2	36.2	0.82	197.9	0.092	<1	1.73	0.012	0.06	0.1	3.9	0.06	<0.02	14	0.2	0.04	6.3	3.24
1077393	Silt	0.080	10.5	21.4	0.48	155.4	0.059	<1	1.12	0.012	0.04	0.1	2.8	0.03	<0.02	10	0.1	<0.02	3.8	1.03
1077394	Silt	0.074	11.4	26.8	0.50	153.0	0.076	<1	1.43	0.015	0.05	0.2	2.9	0.07	<0.02	30	0.3	<0.02	4.2	1.87
1077395	Silt	0.109	12.8	34.2	0.60	147.5	0.113	<1	1.27	0.022	0.08	0.3	3.2	0.08	<0.02	15	0.3	0.04	4.4	1.27
1077396	Silt	0.090	12.7	39.3	0.59	93.4	0.073	1	1.44	0.006	0.04	0.1	3.0	0.05	<0.02	10	0.3	0.09	4.8	2.09
1077397 STD GS-1	Rock Pulp	0.046	25.1	21.7	1.11	71.9	0.044	3	1.26	0.021	0.23	0.1	2.5	0.10	0.04	<5	0.3	0.03	3.6	1.10
1077398	Silt	0.098	13.6	40.4	0.62	81.4	0.116	1	1.21	0.011	0.10	0.2	2.9	0.06	<0.02	8	0.5	0.03	5.9	1.97
1077399	Silt	0.103	13.8	22.7	0.55	121.5	0.140	3	1.37	0.017	0.04	0.3	3.6	0.03	<0.02	11	<0.1	<0.02	4.7	0.94
1077400	Silt	0.094	13.6	29.4	0.76	137.8	0.088	<1	1.56	0.013	0.05	0.2	3.8	0.02	<0.02	7	0.1	<0.02	5.4	1.12
1077401	Silt	0.077	12.4	21.1	0.66	228.6	0.032	<1	1.56	0.011	0.06	<0.1	3.1	0.03	<0.02	5	<0.1	<0.02	4.5	2.61
1077402	Silt	0.084	14.0	31.8	0.60	109.3	0.094	2	1.16	0.028	0.09	0.3	3.0	0.08	0.03	17	0.4	<0.02	3.9	1.00



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Report Date: July 28, 2011

Page: 2 of 3 Part 3

CERTIFICATE OF ANALYSIS

WHI11000365.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1077373 STD GS-1	Rock Pulp	<0.02	0.63	16.6	0.8	<0.05	1.1	8.95	40.9	0.02	<1	0.2	30.1	<10	<2	3.2
1077374	Silt	0.06	0.57	6.4	0.4	<0.05	3.2	6.99	25.3	0.02	<1	0.4	9.3	<10	<2	4.0
1077375	Silt	0.03	0.54	7.2	0.6	<0.05	1.7	6.56	24.3	0.02	<1	0.3	10.3	<10	<2	5.0
1077376	Silt	0.03	0.68	7.2	0.5	<0.05	1.9	6.78	23.5	<0.02	<1	0.4	11.1	<10	<2	5.4
1077377	Silt	0.04	0.48	5.8	0.4	<0.05	2.0	6.60	27.3	0.02	<1	0.7	8.4	<10	<2	3.8
1077378	Silt	0.03	0.49	4.8	0.5	<0.05	2.0	6.28	24.9	<0.02	<1	0.1	7.7	<10	<2	4.3
1077379	Silt	0.05	0.69	7.6	0.5	<0.05	2.6	7.72	28.3	<0.02	<1	<0.1	9.8	<10	<2	4.8
1077380	Silt	0.06	0.82	6.9	0.5	<0.05	2.8	7.90	27.3	<0.02	<1	0.2	9.8	<10	<2	6.1
1077381	Silt	0.05	0.78	11.8	0.4	<0.05	2.4	8.71	26.5	0.02	<1	0.3	14.5	<10	<2	5.9
1077382	Silt	0.04	0.74	8.2	0.5	<0.05	2.1	7.68	24.8	0.02	<1	0.3	17.4	<10	<2	6.9
1077383	Silt	0.03	0.91	13.1	0.6	<0.05	2.0	8.83	30.2	0.02	<1	0.5	18.1	<10	<2	6.7
1077384	Silt	0.04	0.73	12.3	0.4	<0.05	2.1	8.34	27.6	<0.02	<1	0.2	9.7	<10	<2	4.7
1077385	Silt	0.03	0.79	13.4	0.5	<0.05	1.9	7.22	24.7	<0.02	<1	0.5	11.6	<10	<2	4.8
1077386	Silt	0.04	0.64	15.6	0.3	<0.05	2.1	7.43	25.0	<0.02	<1	<0.1	10.4	<10	<2	3.5
1077387	Silt	0.04	0.70	14.4	0.4	<0.05	2.4	7.82	26.1	0.02	<1	<0.1	10.9	<10	<2	4.4
1077388	Silt	0.03	0.82	19.4	0.5	<0.05	1.9	8.45	30.4	<0.02	<1	0.2	12.3	<10	<2	4.5
1077389	Silt	0.05	0.65	9.9	0.3	<0.05	2.0	5.69	21.1	<0.02	<1	0.1	10.4	<10	<2	3.0
1077390	Silt	0.04	0.67	10.0	0.3	<0.05	2.2	5.78	22.2	<0.02	<1	0.4	9.0	<10	<2	2.8
1077391	Silt	0.03	0.95	13.8	0.4	<0.05	2.0	5.80	25.9	<0.02	<1	0.7	14.4	<10	<2	3.9
1077392	Silt	0.04	0.44	7.4	0.5	<0.05	2.4	7.69	26.4	0.02	<1	0.2	19.3	<10	<2	6.4
1077393	Silt	0.05	0.47	4.5	0.4	<0.05	2.1	5.66	20.2	<0.02	<1	0.2	10.3	<10	<2	4.6
1077394	Silt	<0.02	0.45	7.0	0.4	<0.05	1.5	7.20	21.7	<0.02	<1	0.1	13.0	<10	<2	6.8
1077395	Silt	0.07	0.53	9.2	0.4	<0.05	2.9	7.42	23.5	0.02	<1	0.5	10.5	<10	<2	4.5
1077396	Silt	<0.02	0.30	5.2	0.3	<0.05	1.2	6.23	23.2	0.02	<1	0.4	11.8	<10	<2	4.8
1077397 STD GS-1	Rock Pulp	0.02	0.84	15.8	0.8	<0.05	1.2	8.27	45.3	0.02	<1	0.1	29.5	<10	<2	4.1
1077398	Silt	0.02	0.54	10.6	0.4	<0.05	1.6	5.58	24.4	<0.02	<1	0.5	13.5	<10	<2	4.2
1077399	Silt	0.13	0.82	4.3	0.5	<0.05	5.7	7.33	24.6	<0.02	<1	0.6	10.5	<10	<2	4.1
1077400	Silt	0.07	0.43	4.5	0.6	<0.05	3.8	6.37	25.7	<0.02	<1	0.1	14.8	<10	<2	5.2
1077401	Silt	0.04	0.24	5.4	0.5	<0.05	1.7	6.54	23.9	<0.02	<1	0.2	14.2	<10	<2	5.9
1077402	Silt	0.05	1.12	12.4	0.4	<0.05	2.5	7.71	24.3	<0.02	<1	0.1	11.6	<10	<2	8.7



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Project: 210800

Report Date: July 28, 2011

Page: 3 of 3 Part 1

CERTIFICATE OF ANALYSIS

WHI11000365.1

	Method Analyte	Unit MDL	S150	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
			+150 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
			g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
			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
1077403	Silt		739.0	0.30	12.96	3.93	45.9	32	19.2	8.4	243	1.75	2.8	0.8	7.8	2.5	32.4	0.16	0.22	0.03
1077404	Silt		379.0	0.67	12.03	7.76	54.5	38	18.5	8.9	437	2.24	8.5	1.0	1.4	5.3	26.9	0.20	0.60	0.16
1077405	Silt		574.0	0.63	9.78	5.28	47.9	67	18.0	8.2	316	2.36	8.2	1.6	278.1	4.9	23.0	0.17	0.42	0.10
1077406	Silt		630.0	0.37	9.44	5.14	46.2	58	15.5	7.1	274	1.80	13.1	0.8	64.5	3.9	26.6	0.20	0.36	0.06
1077407	Silt		538.0	0.83	15.45	6.98	61.0	48	23.0	9.7	467	2.53	8.8	1.7	2.9	5.7	30.3	0.20	0.43	0.16
1077408	Silt		343.0	0.85	17.05	7.86	54.9	108	24.1	10.8	692	2.50	6.6	1.8	61.6	5.9	30.6	0.22	0.45	0.19
1077409	Silt		357.0	0.83	22.10	6.87	81.8	66	31.0	12.1	376	2.76	6.6	1.0	2.0	3.5	32.9	0.21	0.36	0.11
1077410	Silt		464.0	0.79	19.25	5.93	65.3	57	27.4	10.4	298	2.39	5.8	1.4	12.3	3.2	32.9	0.17	0.30	0.10
1077411	Silt		479.0	0.64	20.89	4.53	43.7	44	27.4	9.9	313	2.37	4.3	1.2	1.1	4.3	34.9	0.14	0.26	0.08
1077412	Silt		521.0	0.64	20.79	4.47	43.2	39	27.4	10.0	317	2.49	4.3	1.3	8.5	4.6	35.3	0.13	0.28	0.08
1077413	Silt		531.0	0.54	13.68	5.30	44.6	32	21.8	9.1	240	2.14	2.9	1.2	0.8	6.3	31.1	0.14	0.30	0.08
1077414	Silt		465.0	0.63	13.14	4.38	40.3	42	27.5	8.5	248	2.32	2.7	0.8	69.2	4.9	29.1	0.10	0.26	0.08
1077415	Silt		489.0	0.73	22.16	6.45	59.3	59	31.4	12.9	402	2.88	4.4	1.2	103.9	5.7	44.7	0.16	0.38	0.15
1077416 STD GS-1	Rock Pulp		N.A.	0.69	22.72	10.15	53.5	40	26.0	12.2	425	2.82	4.0	1.7	0.2	9.2	88.9	0.07	0.19	0.24
1077417	Silt		427.0	1.05	23.38	7.26	64.6	66	38.4	13.8	421	3.26	4.8	1.3	107.8	5.6	45.4	0.18	0.39	0.46
1077418	Silt		530.0	0.52	18.12	5.29	46.9	39	26.4	10.7	319	2.42	3.4	0.9	6.9	5.2	37.2	0.17	0.28	0.12
1077419	Silt		565.0	0.65	21.16	4.68	49.1	63	31.0	10.4	255	2.38	3.7	0.8	155.2	3.5	26.4	0.13	0.24	0.13
1077420	Silt		513.0	0.70	13.14	8.60	82.6	56	23.0	11.3	364	2.91	10.7	0.5	9.9	2.5	22.8	0.20	0.70	0.27
1077421	Silt		406.0	0.63	14.11	9.75	81.4	71	20.3	10.5	394	2.63	10.7	0.7	26.0	2.7	23.1	0.23	0.67	0.27
1077422	Silt		423.0	1.01	22.61	16.10	99.3	84	24.8	12.6	462	3.42	13.2	0.7	1.7	3.0	24.3	0.27	0.87	0.21
1077423	Silt		432.0	0.98	14.45	5.62	64.0	178	22.3	9.9	455	2.32	7.6	1.2	379.0	2.7	31.5	0.33	0.35	0.17
1077424	Silt		487.0	1.46	17.51	5.46	74.9	55	25.7	12.0	379	3.23	15.1	0.5	11.2	2.9	21.8	0.18	0.74	0.08
1077425	Silt		566.0	0.35	7.60	3.48	39.8	34	17.5	6.5	245	1.68	3.1	0.7	26.8	2.9	25.1	0.09	0.30	0.07
1077426	Silt		381.0	1.08	11.30	5.05	58.1	32	36.8	8.6	585	2.08	11.1	0.9	6.8	3.3	32.2	0.17	0.40	0.06
1077427	Silt		431.0	0.65	14.61	5.08	55.0	57	22.2	7.5	277	1.61	5.2	0.8	2.3	2.3	29.6	0.22	0.30	0.13
1077428	Silt		506.0	0.76	17.41	5.51	60.6	61	31.0	9.5	291	2.15	3.8	1.2	1.2	4.0	36.5	0.15	0.32	0.12
1077429	Silt		616.0	0.36	11.26	3.60	41.0	35	19.7	7.7	237	1.81	3.4	0.7	19.3	2.8	31.6	0.10	0.25	0.06



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Project: 210800
Report Date: July 28, 2011

Page: 3 of 3 **Part** 2

CERTIFICATE OF ANALYSIS

WHI11000365.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1077403	Silt	0.083	10.2	27.8	0.53	110.8	0.100	1	1.10	0.025	0.05	0.1	3.0	0.04	<0.02	9	<0.1	<0.02	3.6	0.52
1077404	Silt	0.100	16.6	34.1	0.52	119.4	0.092	<1	1.12	0.017	0.06	0.7	2.6	0.06	<0.02	15	<0.1	<0.02	3.9	0.97
1077405	Silt	0.122	16.2	35.3	0.48	85.9	0.086	<1	0.94	0.013	0.05	1.6	2.4	0.04	<0.02	11	<0.1	<0.02	3.8	0.72
1077406	Silt	0.109	14.8	25.9	0.45	92.5	0.088	<1	1.04	0.016	0.04	0.7	2.5	0.04	<0.02	11	0.1	<0.02	3.4	0.75
1077407	Silt	0.098	17.5	38.7	0.56	140.4	0.101	<1	1.27	0.018	0.06	0.5	3.3	0.06	<0.02	8	0.3	<0.02	4.3	0.91
1077408	Silt	0.100	18.1	40.7	0.54	146.1	0.095	2	1.26	0.018	0.06	1.0	3.4	0.07	<0.02	17	0.3	<0.02	4.0	0.87
1077409	Silt	0.083	13.8	44.9	0.66	133.5	0.123	2	1.66	0.017	0.12	0.2	3.4	0.11	0.02	17	0.1	0.02	5.3	1.38
1077410	Silt	0.085	12.6	39.8	0.62	109.5	0.113	1	1.48	0.019	0.10	0.2	3.2	0.10	<0.02	20	0.3	<0.02	4.8	1.13
1077411	Silt	0.102	13.0	44.7	0.68	105.1	0.084	1	1.15	0.024	0.10	0.2	3.0	0.07	<0.02	6	<0.1	0.03	3.7	0.94
1077412	Silt	0.109	14.5	46.6	0.69	105.3	0.093	2	1.15	0.026	0.10	0.2	3.0	0.07	<0.02	<5	<0.1	0.02	3.7	0.91
1077413	Silt	0.135	18.7	35.8	0.53	70.3	0.086	2	1.14	0.025	0.13	0.1	2.8	0.09	<0.02	7	<0.1	0.02	3.8	0.84
1077414	Silt	0.110	14.5	47.3	0.53	62.1	0.080	2	0.99	0.022	0.11	0.3	2.3	0.07	<0.02	9	0.1	0.03	3.3	0.68
1077415	Silt	0.118	17.0	44.8	0.65	98.7	0.110	1	1.34	0.025	0.17	0.3	3.1	0.13	<0.02	10	0.2	0.07	4.5	1.17
1077416 STD GS-1	Rock Pulp	0.041	22.8	22.4	1.09	72.6	0.036	<1	1.34	0.020	0.23	<0.1	2.5	0.11	0.03	<5	0.2	0.02	3.3	0.99
1077417	Silt	0.119	17.4	59.8	0.64	111.3	0.114	2	1.43	0.021	0.17	0.5	3.2	0.14	<0.02	23	0.3	0.13	5.1	1.35
1077418	Silt	0.107	15.4	39.8	0.63	84.8	0.093	<1	1.11	0.022	0.16	0.2	2.7	0.12	<0.02	9	0.1	0.04	4.2	0.95
1077419	Silt	0.130	13.0	47.1	0.59	123.5	0.097	<1	1.05	0.016	0.10	0.3	2.5	0.06	<0.02	7	0.2	0.03	4.3	1.07
1077420	Silt	0.088	12.6	38.7	0.66	160.5	0.070	<1	1.39	0.007	0.04	0.1	2.9	0.02	<0.02	8	0.1	0.02	5.0	2.18
1077421	Silt	0.092	13.3	33.1	0.62	161.3	0.057	<1	1.37	0.007	0.04	0.2	2.9	0.04	<0.02	6	0.1	0.05	4.6	2.24
1077422	Silt	0.114	13.6	34.3	0.66	138.2	0.076	<1	1.36	0.010	0.04	0.2	3.3	0.04	<0.02	9	<0.1	0.03	5.2	1.68
1077423	Silt	0.101	11.0	33.4	0.50	98.4	0.103	1	1.18	0.017	0.04	0.2	2.6	0.04	<0.02	23	0.4	0.05	3.9	0.75
1077424	Silt	0.102	12.0	37.3	0.52	92.2	0.103	<1	1.05	0.009	0.04	0.2	2.4	0.04	<0.02	7	0.4	0.05	5.2	1.32
1077425	Silt	0.097	11.2	29.6	0.40	112.1	0.056	<1	1.10	0.012	0.03	0.2	2.3	0.03	<0.02	38	0.2	<0.02	2.9	0.84
1077426	Silt	0.110	13.4	58.7	0.47	178.0	0.064	<1	1.16	0.018	0.06	0.1	2.9	0.06	<0.02	6	0.1	<0.02	3.5	2.90
1077427	Silt	0.091	9.3	33.5	0.46	98.3	0.087	<1	1.15	0.017	0.03	0.1	2.5	0.04	<0.02	12	<0.1	<0.02	3.5	0.65
1077428	Silt	0.084	14.8	45.3	0.58	106.8	0.094	1	1.19	0.027	0.10	0.3	3.0	0.09	<0.02	11	0.3	<0.02	3.8	1.04
1077429	Silt	0.100	10.9	31.0	0.52	88.7	0.086	1	1.08	0.021	0.04	0.2	2.8	0.03	<0.02	34	0.2	<0.02	3.1	0.42



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Report Date: July 28, 2011

Page: 3 of 3 Part 3

CERTIFICATE OF ANALYSIS

WHI11000365.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1077403	Silt	0.06	0.57	6.1	0.3	<0.05	3.2	6.34	18.9	<0.02	<1	<0.1	8.3	<10	<2	4.4
1077404	Silt	0.04	0.66	8.0	0.5	<0.05	1.9	6.49	27.8	<0.02	<1	0.4	10.1	<10	<2	4.6
1077405	Silt	0.04	0.41	5.8	0.5	<0.05	1.8	6.92	27.3	<0.02	<1	0.3	7.2	<10	<2	3.0
1077406	Silt	0.04	0.47	5.4	0.4	<0.05	2.4	6.72	25.7	<0.02	<1	0.1	8.4	<10	<2	3.5
1077407	Silt	0.04	0.82	8.9	0.5	<0.05	2.5	7.53	30.1	0.02	<1	<0.1	10.9	<10	<2	5.4
1077408	Silt	0.05	0.81	8.5	0.5	<0.05	2.6	7.41	31.8	0.03	<1	0.3	10.2	<10	<2	6.7
1077409	Silt	0.04	1.11	14.6	0.4	<0.05	2.0	6.85	25.3	<0.02	<1	0.4	15.8	<10	<2	7.8
1077410	Silt	0.04	0.93	11.9	0.3	<0.05	1.8	6.30	22.8	<0.02	<1	0.3	13.2	<10	<2	6.4
1077411	Silt	0.05	0.40	8.4	0.3	<0.05	2.3	6.80	24.0	<0.02	<1	0.2	9.4	<10	<2	3.3
1077412	Silt	0.05	0.36	8.3	0.3	<0.05	2.3	7.31	25.3	<0.02	<1	0.2	9.2	<10	<2	2.8
1077413	Silt	0.04	0.54	12.8	0.4	<0.05	1.9	9.27	34.0	<0.02	1	0.2	10.1	<10	<2	2.6
1077414	Silt	0.03	0.44	10.2	0.3	<0.05	1.9	7.53	26.3	<0.02	<1	0.1	8.8	<10	<2	2.9
1077415	Silt	0.03	0.73	18.0	0.4	<0.05	2.1	8.19	32.9	0.02	<1	0.5	13.0	<10	<2	4.1
1077416 STD GS-1	Rock Pulp	<0.02	0.63	14.8	0.7	<0.05	1.0	7.78	40.2	<0.02	1	0.3	29.7	<10	<2	8.0
1077417	Silt	0.03	0.94	20.0	0.5	<0.05	2.0	7.87	32.7	<0.02	<1	0.4	14.7	<10	<2	5.3
1077418	Silt	0.06	0.61	17.2	0.3	<0.05	2.5	8.24	28.9	0.03	<1	0.4	11.6	<10	<2	3.3
1077419	Silt	0.05	0.66	10.7	0.3	<0.05	1.9	5.82	24.7	<0.02	<1	0.3	12.2	<10	<2	4.0
1077420	Silt	0.04	0.35	5.0	0.4	<0.05	2.1	6.47	25.6	<0.02	<1	0.2	15.9	<10	<2	5.2
1077421	Silt	0.04	0.34	5.2	0.4	<0.05	2.0	6.95	26.4	0.02	<1	0.3	15.1	<10	<2	5.3
1077422	Silt	0.02	0.27	5.4	0.4	<0.05	1.8	8.03	25.8	0.02	1	0.3	13.4	<10	<2	4.8
1077423	Silt	0.05	0.48	4.6	0.3	<0.05	2.4	5.94	20.6	<0.02	<1	0.2	10.1	<10	<2	4.2
1077424	Silt	0.03	0.32	5.3	0.3	<0.05	1.3	4.85	21.6	<0.02	<1	0.1	10.9	<10	<2	3.9
1077425	Silt	0.04	0.35	4.0	0.3	<0.05	1.9	5.86	20.5	<0.02	<1	0.2	9.1	<10	<2	3.8
1077426	Silt	0.05	0.33	6.2	0.3	<0.05	2.9	6.81	25.7	<0.02	<1	0.2	9.6	<10	<2	4.5
1077427	Silt	0.06	0.45	5.1	0.3	<0.05	2.5	5.20	17.7	<0.02	<1	0.2	8.8	<10	<2	4.5
1077428	Silt	0.05	1.03	11.9	0.4	<0.05	2.3	6.99	25.7	<0.02	<1	0.2	11.1	<10	<2	6.9
1077429	Silt	0.08	0.37	4.4	0.3	<0.05	3.3	6.16	19.9	<0.02	<1	0.4	7.2	<10	2	3.1



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Project: 210800

Report Date: July 28, 2011

Page: 1 of 1 Part 1

QUALITY CONTROL REPORT

WHI11000365.1

	Method Analyte Unit MDL	S150	S150	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-150 Wt	+150 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0	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
Pulp Duplicates																					
1077386	Silt	120	525.0	0.50	15.51	4.82	44.5	24	22.2	9.1	267	2.22	3.1	0.9	10.4	4.7	35.9	0.12	0.21	0.06	49
REP 1077386	QC			0.51	16.28	5.08	48.4	25	22.5	9.1	274	2.26	3.2	1.0	1.1	4.8	37.4	0.11	0.26	0.08	51
1077402	Silt	213	357.0	0.65	19.76	5.40	64.0	59	23.2	9.7	326	2.14	4.7	2.3	2.8	3.9	42.4	0.21	0.32	0.10	48
REP 1077402	QC																				
1077403	Silt	365	739.0	0.30	12.96	3.93	45.9	32	19.2	8.4	243	1.75	2.8	0.8	7.8	2.5	32.4	0.16	0.22	0.03	44
REP 1077403	QC			0.34	13.02	4.01	46.1	35	19.5	8.5	243	1.76	2.9	0.8	48.1	2.6	34.1	0.14	0.23	0.03	44
1077411	Silt	82	479.0	0.64	20.89	4.53	43.7	44	27.4	9.9	313	2.37	4.3	1.2	1.1	4.3	34.9	0.14	0.26	0.08	63
REP 1077411	QC			0.61	21.59	4.63	46.1	33	28.8	10.4	319	2.43	4.6	1.3	3.2	4.4	34.0	0.16	0.27	0.09	64
1077418	Silt	110	530.0	0.52	18.12	5.29	46.9	39	26.4	10.7	319	2.42	3.4	0.9	6.9	5.2	37.2	0.17	0.28	0.12	50
REP 1077418	QC			0.51	18.55	5.24	50.2	40	25.9	10.8	315	2.40	3.6	0.8	3.1	5.6	37.2	0.14	0.30	0.14	53
1077427	Silt	168	431.0	0.65	14.61	5.08	55.0	57	22.2	7.5	277	1.61	5.2	0.8	2.3	2.3	29.6	0.22	0.30	0.13	38
REP 1077427	QC			0.80	14.35	5.12	55.4	89	23.2	7.7	286	1.66	5.3	0.8	30.4	2.2	29.5	0.20	0.31	0.12	40
1077429	Silt	115	616.0	0.36	11.26	3.60	41.0	35	19.7	7.7	237	1.81	3.4	0.7	19.3	2.8	31.6	0.10	0.25	0.06	45
REP 1077429	QC																				
Reference Materials																					
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DS8	Standard			13.58	115.1	127.3	318.8	1697	39.5	7.7	610	2.49	24.6	3.0	101.6	7.5	69.1	2.54	5.81	6.82	42
STD DS8	Standard			13.54	115.4	121.1	307.2	1601	40.0	7.7	629	2.52	24.8	2.8	99.3	7.2	67.9	2.47	5.63	6.49	42
STD DS8	Standard			13.74	110.3	128.9	299.3	1713	37.1	7.8	590	2.43	22.5	2.9	103.6	7.3	63.4	2.14	5.22	6.71	40
STD DS8	Standard			13.92	113.0	130.6	304.1	1732	38.8	7.5	604	2.45	23.8	3.0	106.8	7.2	63.4	2.20	5.36	6.96	39
STD DS8	Standard			12.38	117.2	136.9	327.3	1953	41.2	8.1	599	2.48	24.6	2.9	117.8	7.3	60.1	2.42	5.72	7.30	38
STD DS8	Standard			12.52	115.0	128.2	317.5	1899	39.5	8.2	596	2.45	24.1	2.8	121.3	6.8	58.8	2.27	5.49	6.81	38
STD DOLOMITE-2 Expected																					
STD DS8 Expected				13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1
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
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



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Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

WHI11000365.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																					
1077386	Silt	0.63	0.095	13.9	31.1	0.53	75.7	0.103	2	1.05	0.021	0.12	0.2	2.4	0.10	<0.02	5	<0.1	<0.02	3.9	0.96
REP 1077386	QC	0.65	0.101	15.1	32.6	0.54	78.0	0.107	1	1.07	0.022	0.12	0.3	2.6	0.10	<0.02	<5	<0.1	<0.02	4.0	0.97
1077402	Silt	0.83	0.084	14.0	31.8	0.60	109.3	0.094	2	1.16	0.028	0.09	0.3	3.0	0.08	0.03	17	0.4	<0.02	3.9	1.00
REP 1077402	QC																				
1077403	Silt	0.60	0.083	10.2	27.8	0.53	110.8	0.100	1	1.10	0.025	0.05	0.1	3.0	0.04	<0.02	9	<0.1	<0.02	3.6	0.52
REP 1077403	QC	0.61	0.079	10.7	28.4	0.53	111.9	0.106	1	1.12	0.027	0.05	0.2	3.0	0.05	<0.02	9	0.2	<0.02	3.6	0.54
1077411	Silt	0.74	0.102	13.0	44.7	0.68	105.1	0.084	1	1.15	0.024	0.10	0.2	3.0	0.07	<0.02	6	<0.1	0.03	3.7	0.94
REP 1077411	QC	0.77	0.104	13.4	45.5	0.70	109.3	0.090	<1	1.16	0.025	0.10	0.2	2.9	0.07	<0.02	10	<0.1	<0.02	3.8	0.94
1077418	Silt	0.78	0.107	15.4	39.8	0.63	84.8	0.093	<1	1.11	0.022	0.16	0.2	2.7	0.12	<0.02	9	0.1	0.04	4.2	0.95
REP 1077418	QC	0.79	0.111	16.4	39.8	0.64	86.8	0.113	1	1.13	0.023	0.16	0.3	2.7	0.10	<0.02	13	0.1	0.03	4.1	1.00
1077427	Silt	0.49	0.091	9.3	33.5	0.46	98.3	0.087	<1	1.15	0.017	0.03	0.1	2.5	0.04	<0.02	12	<0.1	<0.02	3.5	0.65
REP 1077427	QC	0.53	0.092	9.7	35.6	0.48	96.1	0.087	1	1.19	0.018	0.03	0.1	2.5	0.05	<0.02	12	0.3	0.03	3.4	0.67
1077429	Silt	0.65	0.100	10.9	31.0	0.52	88.7	0.086	1	1.08	0.021	0.04	0.2	2.8	0.03	<0.02	34	0.2	<0.02	3.1	0.42
REP 1077429	QC																				
Reference Materials																					
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DS8	Standard	0.73	0.076	16.8	118.6	0.61	277.8	0.133	2	0.93	0.090	0.42	2.9	2.3	5.38	0.17	192	5.4	4.90	4.8	2.52
STD DS8	Standard	0.73	0.078	16.4	123.0	0.62	266.5	0.135	3	0.93	0.091	0.43	3.0	2.3	5.12	0.17	183	4.8	4.87	4.7	2.48
STD DS8	Standard	0.72	0.075	16.4	121.3	0.60	258.7	0.121	3	0.92	0.082	0.40	2.9	2.4	5.30	0.15	207	4.6	4.83	4.3	2.24
STD DS8	Standard	0.69	0.078	16.3	124.2	0.60	255.4	0.118	2	0.90	0.082	0.40	2.8	2.4	5.41	0.15	209	5.1	4.91	4.5	2.42
STD DS8	Standard	0.68	0.080	14.9	125.8	0.60	274.3	0.117	2	0.87	0.079	0.40	3.0	2.2	5.91	0.16	224	5.4	5.07	4.7	2.61
STD DS8	Standard	0.68	0.076	14.3	121.0	0.60	262.8	0.117	2	0.89	0.080	0.40	3.1	2.3	5.59	0.15	215	5.0	4.64	4.5	2.43
STD DOLOMITE-2 Expected																					
STD DS8 Expected		0.7	0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02



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Project: 210800

Report Date: July 28, 2011

Page: 1 of 1 Part 3

QUALITY CONTROL REPORT

WHI11000365.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
Pulp Duplicates																	
1077386	Silt	<0.1	0.04	0.64	15.6	0.3	<0.05	2.1	7.43	25.0	<0.02	<1	<0.1	10.4	<10	<2	3.5
REP 1077386	QC	<0.1	0.04	0.70	16.0	0.4	<0.05	2.4	7.74	26.8	<0.02	<1	<0.1	10.3	<10	<2	
1077402	Silt	<0.1	0.05	1.12	12.4	0.4	<0.05	2.5	7.71	24.3	<0.02	<1	0.1	11.6	<10	<2	8.7
REP 1077402	QC																9.2
1077403	Silt	<0.1	0.06	0.57	6.1	0.3	<0.05	3.2	6.34	18.9	<0.02	<1	<0.1	8.3	<10	<2	4.4
REP 1077403	QC	<0.1	0.06	0.63	6.4	0.3	<0.05	3.0	6.47	20.0	<0.02	<1	0.3	8.7	<10	<2	
1077411	Silt	<0.1	0.05	0.40	8.4	0.3	<0.05	2.3	6.80	24.0	<0.02	<1	0.2	9.4	<10	<2	3.3
REP 1077411	QC	<0.1	0.05	0.41	8.3	0.3	<0.05	2.2	7.01	24.6	<0.02	<1	0.3	10.2	<10	<2	
1077418	Silt	<0.1	0.06	0.61	17.2	0.3	<0.05	2.5	8.24	28.9	0.03	<1	0.4	11.6	<10	<2	3.3
REP 1077418	QC	<0.1	0.06	0.74	17.1	0.4	<0.05	2.9	8.38	32.0	0.03	<1	0.3	12.3	<10	<2	
1077427	Silt	<0.1	0.06	0.45	5.1	0.3	<0.05	2.5	5.20	17.7	<0.02	<1	0.2	8.8	<10	<2	4.5
REP 1077427	QC	<0.1	0.04	0.48	4.9	0.3	<0.05	2.7	5.32	17.8	<0.02	<1	0.2	8.9	<10	<2	
1077429	Silt	<0.1	0.08	0.37	4.4	0.3	<0.05	3.3	6.16	19.9	<0.02	<1	0.4	7.2	<10	2	3.1
REP 1077429	QC																3.1
Reference Materials																	
STD DOLOMITE-2	Standard																46.6
STD DOLOMITE-2	Standard																45.4
STD DS8	Standard	0.1	0.07	1.31	38.4	7.0	<0.05	1.9	6.72	27.4	2.32	43	4.5	25.7	122	329	
STD DS8	Standard	<0.1	0.09	1.29	38.3	7.3	<0.05	2.1	6.55	28.1	2.41	50	6.4	27.5	120	308	
STD DS8	Standard	<0.1	0.10	1.22	34.8	6.4	<0.05	2.1	5.87	27.2	1.95	56	5.6	24.7	116	345	
STD DS8	Standard	<0.1	0.08	1.26	37.2	6.5	<0.05	2.2	5.74	27.6	1.99	61	5.6	26.1	115	353	
STD DS8	Standard	<0.1	0.08	1.23	39.6	7.0	<0.05	2.1	5.72	26.6	2.32	58	5.4	27.0	124	382	
STD DS8	Standard	<0.1	0.08	1.29	37.3	6.5	<0.05	2.1	5.75	25.9	2.24	68	5.2	26.1	119	365	
STD DOLOMITE-2 Expected																	46
STD DS8 Expected		0.13	0.08	1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	

APPENDIX V

SOIL GEOCHEMICAL ANALYTICAL CERTIFICATES



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Submitted By: Andrea Langerud

Receiving Lab: Canada-Whitehorse

Received: June 14, 2011

Report Date: July 14, 2011

Page: 1 of 6

CERTIFICATE OF ANALYSIS

WHI11000204.1

CLIENT JOB INFORMATION

Project: 210800
Shipment ID:
P.O. Number
Number of Samples: 145

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.

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

CC: Randy Farmer
Rupa Mukherjee

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	143	Dry at 60C			WHI
SS80	143	Dry at 60C sieve 100g to -80 mesh		Completed	WHI
RJSV	143	Saving all or part of Soil Reject			WHI
1F06	143	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
2A05	143	Loss on Ignition at 1000 C		Completed	VAN

ADDITIONAL COMMENTS



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.
** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: 210800
Report Date: July 14, 2011

Page: 2 of 6 Part 1

CERTIFICATE OF ANALYSIS

WHI11000204.1

	Method Analyte	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	g	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
1076801	Soil	375.0	0.86	26.75	9.12	76.5	48	29.4	13.1	471	3.34	6.6	4.0	3.3	11.8	29.8	0.14	0.50	0.15	76
1076802	Soil	400.0	0.80	26.25	8.40	71.8	46	29.0	12.6	497	3.20	6.3	3.8	3.9	11.2	29.4	0.13	0.44	0.12	73
1076803	Soil	380.0	1.69	31.63	9.01	101.1	56	33.6	15.3	499	3.73	9.7	1.8	4.1	3.3	43.7	0.21	0.73	0.16	85
1076804	Soil	745.0	1.03	35.49	8.63	74.8	70	36.5	14.6	384	3.45	8.4	5.3	3.6	8.9	25.1	0.16	0.50	0.14	82
1076805	Soil	595.0	0.92	27.66	7.53	73.7	72	31.7	16.2	617	3.35	6.5	6.6	3.2	11.8	39.6	0.20	0.43	0.10	78
1076806	Soil	150.0	0.72	27.78	8.88	65.3	27	28.8	13.2	494	3.20	6.1	1.6	2.9	11.7	54.2	0.13	0.34	0.13	77
1076807	Soil	110.0	1.56	29.15	6.41	68.2	84	25.2	13.2	451	2.50	8.1	0.9	2.7	0.7	35.5	0.16	0.65	0.12	51
1076808	Soil	210.0	0.83	24.89	11.14	88.1	58	27.0	12.1	483	3.54	6.5	2.4	0.8	8.3	32.1	0.21	0.65	0.11	72
1076809	Soil	260.0	0.77	25.14	10.40	70.5	36	29.0	14.6	399	3.42	6.1	1.7	2.6	11.4	36.5	0.13	0.44	0.10	77
1076810 GS-1 STD	Soil		0.65	21.33	9.41	52.2	33	26.2	12.6	415	2.78	3.9	1.6	<0.2	8.0	82.6	0.05	0.20	0.20	15
1076811	Soil	240.0	2.27	32.45	9.52	86.0	76	33.9	16.7	623	3.75	11.3	1.3	2.1	1.2	31.8	0.17	0.78	0.17	82
1076812	Soil	155.0	0.84	39.88	8.50	73.6	87	31.8	14.1	483	3.63	6.7	2.8	2.7	11.6	51.8	0.14	0.40	0.12	88
1076813	Soil	145.0	0.49	33.69	8.37	63.1	52	27.5	11.0	395	3.15	6.0	2.1	7.5	9.8	77.9	0.14	0.34	0.12	76
1076814	Soil	540.0	2.70	27.09	10.19	73.1	97	29.1	14.3	501	3.96	11.1	0.7	4.0	1.2	24.0	0.17	0.82	0.18	90
1076815	Soil	315.0	0.98	43.30	10.87	68.9	83	32.2	14.6	453	3.68	8.2	2.5	6.9	7.5	34.8	0.14	0.46	0.34	88
1076816	Soil	595.0	0.84	33.61	5.77	76.0	61	33.3	15.2	462	3.26	5.5	3.6	25.6	9.0	35.2	0.26	0.42	0.09	84
1076817	Soil	195.0	0.71	36.08	8.67	61.9	91	31.4	13.6	378	3.29	6.2	3.8	4.8	11.2	27.3	0.16	0.50	0.10	82
1076818	Soil	195.0	0.90	31.16	6.35	62.9	68	29.6	14.2	444	3.13	6.9	9.6	4.2	15.8	26.8	0.12	0.45	0.11	77
1076819	Soil	450.0	0.94	26.87	7.24	64.5	63	26.2	13.5	429	3.11	6.5	5.1	2.9	11.3	33.6	0.12	0.40	0.11	80
1076820	Soil	440.0	2.19	30.07	9.16	115.2	58	26.7	17.3	804	3.89	10.8	0.9	1.7	0.6	25.3	0.38	0.80	0.17	89
1076821	Soil	295.0	1.46	29.27	9.46	71.0	74	29.9	15.3	661	3.19	7.7	1.7	2.9	3.0	32.9	0.21	0.56	0.12	75
1076822	Soil	250.0	1.07	27.85	6.43	66.7	74	30.4	15.2	676	3.14	7.2	2.1	3.1	4.7	31.5	0.20	0.45	0.10	72
1076823	Soil	385.0	1.57	35.72	10.55	77.8	56	40.3	19.8	751	4.00	12.5	0.8	2.0	1.4	26.8	0.23	0.77	0.17	90
1076824	Soil	565.0	1.92	35.69	9.15	86.6	99	42.3	19.2	715	3.68	11.5	0.8	2.5	0.9	34.1	0.18	0.77	0.15	74
1076825	Soil	515.0	1.40	37.04	16.14	77.9	188	48.0	19.7	711	3.82	15.7	0.7	5.5	1.6	28.0	0.20	0.70	0.14	84
1076826	Soil	610.0	1.89	37.22	9.63	86.7	79	44.1	16.8	550	3.86	11.3	0.8	2.4	1.3	29.0	0.21	0.74	0.15	83
1076827	Soil	565.0	1.93	33.93	9.28	90.8	75	35.9	18.7	679	3.80	9.9	0.8	3.3	0.8	35.6	0.21	0.72	0.15	82
1076828	Soil	75.00	1.52	37.38	8.64	73.7	84	39.8	19.4	804	3.52	12.9	0.8	6.0	1.1	32.9	0.13	0.65	0.14	76
1076829	Soil	585.0	1.35	42.74	12.64	90.9	56	66.7	22.0	730	3.93	12.8	0.8	2.0	1.9	28.7	0.17	0.71	0.20	79
1076830	Soil	345.0	1.81	32.00	10.11	88.4	85	34.3	19.9	704	3.55	9.4	0.8	2.0	0.9	35.8	0.29	0.64	0.17	75



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Project: 210800
Report Date: July 14, 2011

Page: 2 of 6 Part 2

CERTIFICATE OF ANALYSIS

WHI11000204.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
1076801	Soil	0.048	16.8	39.8	0.96	221.8	0.154	2	2.31	0.017	0.08	0.1	5.2	0.14	<0.02	20	0.3	0.03	7.0	2.13	<0.1
1076802	Soil	0.047	17.1	39.3	0.92	210.6	0.147	1	2.20	0.017	0.07	0.2	4.8	0.14	0.03	15	0.3	<0.02	6.7	2.01	<0.1
1076803	Soil	0.057	11.3	45.7	0.91	204.6	0.120	2	2.08	0.023	0.05	0.2	3.8	0.12	0.06	30	0.4	0.03	7.3	1.71	<0.1
1076804	Soil	0.046	12.8	44.6	0.93	203.3	0.168	2	2.48	0.019	0.09	0.1	5.0	0.27	0.03	21	0.4	<0.02	6.8	2.02	<0.1
1076805	Soil	0.066	14.7	43.2	0.89	255.2	0.178	2	2.13	0.022	0.10	0.1	5.0	0.23	0.02	24	0.3	<0.02	6.2	2.04	<0.1
1076806	Soil	0.043	13.6	37.5	0.90	287.7	0.176	1	2.45	0.026	0.09	0.1	4.5	0.17	0.02	14	0.3	0.03	6.7	2.42	<0.1
1076807	Soil	0.061	10.4	31.7	0.56	109.2	0.058	3	1.21	0.037	0.05	<0.1	2.5	0.07	0.08	37	0.5	0.03	4.2	0.77	<0.1
1076808	Soil	0.046	18.3	39.2	0.92	249.4	0.093	1	2.39	0.013	0.07	0.3	5.9	0.12	0.03	15	0.3	<0.02	6.9	4.53	<0.1
1076809	Soil	0.056	12.9	43.5	0.87	243.2	0.154	2	2.54	0.013	0.07	<0.1	5.5	0.17	<0.02	22	0.3	<0.02	7.1	2.46	<0.1
1076810 GS-1 STD	Soil	0.039	21.7	21.6	1.09	70.5	0.035	<1	1.27	0.021	0.22	<0.1	2.1	0.10	0.03	13	0.2	0.03	3.2	1.02	<0.1
1076811	Soil	0.054	11.2	41.9	0.78	145.2	0.065	2	1.97	0.020	0.05	<0.1	3.4	0.07	0.05	32	0.4	<0.02	7.1	1.32	<0.1
1076812	Soil	0.089	22.9	52.1	0.90	306.2	0.196	1	2.25	0.031	0.19	<0.1	7.6	0.26	<0.02	26	0.4	0.02	7.0	2.14	<0.1
1076813	Soil	0.077	21.5	42.4	0.82	181.7	0.154	1	2.11	0.025	0.08	<0.1	6.5	0.11	<0.02	19	0.4	0.03	6.0	1.60	<0.1
1076814	Soil	0.038	9.6	41.0	0.63	111.6	0.064	2	2.02	0.013	0.04	<0.1	3.2	0.08	0.04	29	0.4	0.05	7.7	1.16	<0.1
1076815	Soil	0.069	16.5	49.0	0.86	225.9	0.176	1	2.43	0.020	0.09	0.1	7.1	0.17	<0.02	26	0.4	0.08	7.1	2.01	<0.1
1076816	Soil	0.106	17.5	45.4	0.84	235.4	0.187	1	1.80	0.033	0.14	<0.1	5.6	0.22	<0.02	21	0.4	<0.02	5.7	1.82	<0.1
1076817	Soil	0.088	18.3	47.3	0.83	305.0	0.177	1	2.06	0.023	0.12	0.1	6.5	0.26	<0.02	33	0.5	<0.02	6.1	1.87	<0.1
1076818	Soil	0.063	24.3	36.8	0.83	214.1	0.157	2	1.95	0.023	0.08	0.1	4.3	0.21	0.02	26	0.4	<0.02	5.8	2.20	<0.1
1076819	Soil	0.057	15.1	38.4	0.84	197.3	0.167	2	1.83	0.035	0.08	0.2	4.0	0.24	0.04	21	0.4	<0.02	6.1	2.29	<0.1
1076820	Soil	0.066	9.8	41.8	0.66	107.4	0.063	2	1.80	0.019	0.05	<0.1	3.1	0.08	0.06	39	0.5	0.06	7.3	1.26	<0.1
1076821	Soil	0.066	11.1	38.6	0.73	138.1	0.091	3	1.73	0.030	0.05	0.1	3.9	0.09	0.06	26	0.3	0.03	5.9	1.46	<0.1
1076822	Soil	0.063	11.7	38.1	0.75	142.5	0.106	2	1.75	0.029	0.05	<0.1	4.2	0.09	0.05	21	0.4	<0.02	5.6	1.59	<0.1
1076823	Soil	0.057	11.2	50.2	0.84	128.5	0.083	2	2.23	0.017	0.06	<0.1	3.9	0.08	0.04	33	0.5	0.02	8.2	2.35	<0.1
1076824	Soil	0.066	11.5	48.1	0.85	137.9	0.069	2	2.17	0.023	0.06	<0.1	3.9	0.09	0.07	33	0.5	0.03	6.6	1.63	<0.1
1076825	Soil	0.053	10.4	49.3	0.92	139.4	0.088	2	2.35	0.017	0.07	<0.1	4.1	0.10	0.05	43	0.5	0.03	6.7	2.00	<0.1
1076826	Soil	0.057	11.1	48.2	0.85	133.3	0.078	2	2.63	0.019	0.05	<0.1	4.5	0.10	0.05	33	0.4	0.05	7.5	1.47	<0.1
1076827	Soil	0.063	10.4	44.4	0.79	139.2	0.070	2	2.16	0.026	0.05	<0.1	3.8	0.08	0.07	35	0.5	0.03	7.1	1.21	<0.1
1076828	Soil	0.057	10.6	43.6	0.78	147.1	0.086	2	2.07	0.027	0.06	<0.1	4.0	0.08	0.05	20	0.3	0.03	6.6	1.12	<0.1
1076829	Soil	0.048	11.3	47.2	0.91	146.3	0.104	2	2.74	0.025	0.07	<0.1	4.4	0.09	0.05	27	0.4	0.04	6.8	2.18	<0.1
1076830	Soil	0.069	10.5	42.6	0.75	134.8	0.076	2	1.92	0.031	0.06	<0.1	3.4	0.08	0.08	35	0.3	0.03	6.4	1.54	<0.1



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Project: 210800
Report Date: July 14, 2011

Page: 2 of 6 Part 3

CERTIFICATE OF ANALYSIS

WHI11000204.1

	Method	Analyte	Unit	MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI		
					Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
					0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1076801	Soil			0.09	1.65	14.9	1.3	<0.05	4.1	6.41	28.0	0.04	<1	0.5	24.6	<10	<2	9.5	
1076802	Soil			0.08	1.59	14.4	1.0	<0.05	3.8	6.66	27.7	0.03	<1	0.3	22.9	<10	<2	9.8	
1076803	Soil			0.05	1.73	10.1	0.9	<0.05	2.4	5.56	28.2	0.03	2	0.4	19.9	<10	<2	14.9	
1076804	Soil			0.12	1.72	19.6	1.4	<0.05	7.3	5.51	20.8	0.03	<1	0.3	18.5	<10	<2	10.4	
1076805	Soil			0.11	1.68	21.5	0.9	<0.05	5.8	6.81	26.3	0.02	<1	0.4	20.5	<10	<2	9.1	
1076806	Soil			0.08	1.66	16.4	3.0	<0.05	4.4	5.02	24.0	<0.02	<1	0.4	19.7	<10	<2	9.2	
1076807	Soil			0.05	0.97	9.4	0.6	<0.05	2.6	5.98	18.2	<0.02	<1	0.3	8.0	<10	<2	21.6	
1076808	Soil			0.04	1.33	15.1	1.3	<0.05	2.1	6.87	28.4	0.02	<1	0.6	20.1	<10	<2	11.9	
1076809	Soil			0.09	1.49	15.0	0.9	<0.05	4.9	5.92	22.1	0.03	<1	0.5	19.5	<10	<2	9.3	
1076810 GS-1 STD	Soil			<0.02	0.58	15.6	0.6	<0.05	0.9	7.96	37.8	<0.02	2	0.2	28.7	<10	<2	8.6	
1076811	Soil			0.03	1.00	10.5	1.3	<0.05	1.8	6.12	22.8	0.03	<1	0.4	15.0	<10	<2	15.2	
1076812	Soil			0.16	0.55	30.7	1.2	<0.05	10.0	12.56	31.1	0.03	1	0.5	19.5	<10	<2	6.3	
1076813	Soil			0.13	0.64	12.9	1.5	<0.05	7.7	11.62	31.5	0.03	<1	0.4	15.6	<10	<2	6.0	
1076814	Soil			0.03	1.13	10.0	0.7	<0.05	2.0	5.03	18.0	0.03	<1	0.4	14.2	<10	<2	14.7	
1076815	Soil			0.10	1.31	16.8	3.1	<0.05	6.8	10.58	26.8	0.02	<1	0.5	15.6	<10	<2	9.1	
1076816	Soil			0.11	0.90	23.8	0.6	<0.05	7.1	10.66	30.6	0.03	<1	0.4	14.9	<10	<2	5.1	
1076817	Soil			0.09	1.16	27.7	3.0	<0.05	5.7	10.30	30.2	<0.02	<1	0.4	18.6	<10	<2	7.3	
1076818	Soil			0.07	1.30	19.4	0.6	<0.05	4.5	6.71	30.7	0.02	<1	0.4	17.3	<10	<2	8.4	
1076819	Soil			0.07	1.74	18.6	1.1	<0.05	4.2	5.89	22.3	0.02	<1	0.3	16.9	<10	<2	10.7	
1076820	Soil			0.02	0.90	12.4	0.6	<0.05	1.4	4.96	18.0	0.03	1	0.4	12.7	<10	<2	18.4	
1076821	Soil			0.05	1.12	8.4	3.4	<0.05	2.4	6.05	21.4	<0.02	<1	0.2	13.0	<10	<2	17.1	
1076822	Soil			0.05	1.16	8.3	0.5	<0.05	3.0	6.38	22.8	0.02	<1	0.3	13.2	<10	<2	14.9	
1076823	Soil			0.02	1.07	14.1	1.3	<0.05	1.7	5.36	24.4	0.04	<1	0.7	17.3	<10	<2	14.9	
1076824	Soil			0.03	0.97	12.6	0.6	<0.05	1.7	7.06	27.4	0.05	2	0.7	13.1	<10	<2	17.8	
1076825	Soil			0.05	1.21	11.8	1.2	<0.05	3.1	6.06	28.2	0.03	2	0.6	15.0	<10	<2	14.3	
1076826	Soil			0.03	1.02	8.4	0.7	<0.05	2.2	6.95	24.0	0.04	<1	0.4	14.4	<10	<2	15.8	
1076827	Soil			0.03	0.96	10.1	0.9	<0.05	2.1	6.91	23.5	0.03	<1	0.4	13.5	<10	<2	18.4	
1076828	Soil			0.03	0.95	10.1	0.6	<0.05	2.0	6.45	23.0	0.03	1	0.5	13.4	<10	<2	14.6	
1076829	Soil			0.04	1.12	11.5	1.1	<0.05	2.4	6.34	28.8	0.03	<1	0.6	16.7	<10	<2	14.6	
1076830	Soil			0.03	1.11	11.2	0.5	<0.05	2.4	6.09	22.3	0.03	<1	0.4	13.8	<10	<2	19.7	



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Report Date: July 14, 2011

Page: 3 of 6 Part 1

CERTIFICATE OF ANALYSIS

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	Method Analyte	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	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
1076831	Soil	270.0	1.81	32.33	8.04	88.4	78	30.9	19.2	831	3.34	9.3	0.8	1.5	0.6	36.2	0.28	0.67	0.13	69
1076832	Soil	95.00	1.07	35.73	11.68	74.1	53	50.8	19.4	611	3.58	23.9	0.9	6.6	3.8	21.7	0.11	0.66	0.17	70
1076833	Soil	480.0	1.61	34.47	9.77	89.6	115	41.8	20.6	753	3.97	11.7	0.7	2.4	1.0	32.0	0.14	0.63	0.15	87
1076834	Soil	210.0	1.63	51.01	8.74	73.4	148	35.3	19.7	593	4.07	27.7	2.0	5.8	1.5	44.2	0.16	0.72	0.18	69
1076835	Soil	60.00	1.82	56.26	11.83	79.4	198	38.3	22.8	868	3.64	23.9	2.0	4.3	1.0	55.7	0.22	0.75	0.18	66
1076836	Soil	315.0	1.76	44.50	8.77	103.9	187	39.2	18.0	719	3.79	11.8	1.0	6.7	0.6	46.6	0.66	1.10	0.25	73
1076837	Soil	120.0	1.92	38.79	10.15	102.2	152	36.1	18.9	732	4.02	11.9	0.8	6.2	0.8	35.5	0.42	1.07	0.22	87
1076838	Soil	500.0	0.95	33.68	6.56	62.1	60	36.0	13.9	511	3.44	12.5	0.7	5.0	4.7	26.9	0.07	0.60	0.12	75
1076839	Soil	720.0	1.06	36.36	9.29	69.4	63	43.0	17.3	677	3.81	12.3	0.7	4.0	3.8	29.0	0.13	0.64	0.15	85
1076840	Soil	405.0	1.70	32.78	8.97	80.8	97	46.6	17.4	610	3.87	13.6	0.8	2.3	1.2	32.0	0.18	0.87	0.24	74
1076841	Soil	320.0	1.74	35.79	9.96	84.1	82	42.7	17.6	570	4.09	14.4	0.7	3.0	1.2	28.9	0.18	0.90	0.22	83
1076842	Soil	85.00	1.88	39.79	9.64	80.6	125	41.2	20.8	915	4.02	15.2	0.8	2.1	1.0	29.4	0.39	0.95	0.20	78
1076843	Soil	465.0	1.41	36.73	9.67	75.5	157	41.8	17.7	675	3.97	29.4	0.8	14.0	2.5	31.6	0.10	1.80	0.14	79
1076844	Soil	410.0	1.36	37.48	8.18	73.6	77	41.6	17.0	646	3.88	14.0	0.9	4.2	3.0	27.3	0.10	1.18	0.16	74
1076845	Soil	300.0	1.78	29.96	8.39	86.2	79	29.4	15.5	640	3.65	10.6	0.7	2.8	0.7	40.3	0.19	0.88	0.17	79
1076846	Soil	450.0	11.68	113.2	120.5	312.1	1715	37.1	7.3	590	2.42	25.5	2.6	111.9	6.5	62.6	2.55	5.83	6.72	40
1076847	Soil	360.0	1.64	39.00	16.70	86.5	207	37.3	15.9	594	4.06	40.5	1.4	9.3	2.8	31.3	0.20	0.89	0.28	78
1076848	Soil	675.0	1.61	37.45	9.32	81.6	57	45.2	18.0	606	4.08	14.3	0.8	3.1	2.4	34.0	0.13	0.85	0.19	80
1076501	Soil	180.0	1.31	34.17	9.33	66.5	69	25.0	14.3	523	3.75	8.4	1.3	0.8	6.1	47.0	0.19	0.52	0.16	86
1076502	Soil	185.0	0.96	29.81	7.81	65.3	51	25.1	13.2	461	3.42	7.5	1.1	1.7	6.0	42.0	0.15	0.42	0.13	77
1076503	Soil	395.0	4.37	34.27	7.13	77.0	63	28.6	13.8	421	3.38	7.7	1.4	4.4	8.6	37.1	0.24	0.36	0.14	91
1076504	Soil	310.0	4.94	60.12	6.63	91.0	92	26.0	14.3	529	3.71	9.5	2.0	3.3	7.3	34.9	0.44	0.43	0.21	93
1076505	Soil	355.0	4.01	42.47	10.66	95.0	100	34.7	17.4	734	4.26	26.8	2.1	3.8	6.5	41.6	0.38	0.64	0.26	98
1076506	Soil	370.0	3.80	41.41	8.47	71.8	149	31.6	15.4	560	3.81	19.1	4.6	3.4	6.5	34.4	0.16	0.64	0.20	85
1076507	Soil	515.0	1.12	28.59	6.97	58.5	67	26.0	13.3	545	3.23	12.4	1.4	3.1	8.7	35.7	0.20	0.47	0.19	78
1076508	Soil	405.0	0.67	30.82	8.48	69.0	43	23.8	12.3	493	3.18	18.7	1.4	4.5	9.7	41.9	0.38	0.37	0.25	81
1076509	Soil	300.0	2.08	32.20	9.21	67.7	362	24.7	13.5	660	3.53	21.3	1.7	2.8	1.3	32.2	0.31	0.74	0.21	78
1076510	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1076511	Soil	355.0	0.77	29.66	7.03	65.7	64	24.0	12.7	477	3.03	10.6	0.8	3.5	5.0	41.0	0.34	0.45	0.38	75
1076512	Soil	405.0	1.80	36.12	8.84	68.8	73	29.6	14.0	449	3.70	10.9	0.8	2.1	1.9	29.2	0.38	0.77	0.20	81



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Report Date: July 14, 2011

Page: 3 of 6 Part 2

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1076831	Soil	0.074	9.9	41.5	0.73	125.9	0.062	2	1.67	0.036	0.06	<0.1	3.3	0.06	0.09	37	0.5	0.02	5.6	0.84
1076832	Soil	0.032	13.5	44.6	0.86	119.5	0.107	2	2.47	0.017	0.10	<0.1	3.9	0.10	0.03	26	0.3	<0.02	7.0	1.92
1076833	Soil	0.046	9.9	48.6	0.86	161.9	0.087	2	2.36	0.023	0.05	<0.1	3.8	0.09	0.04	30	0.3	0.04	7.9	1.30
1076834	Soil	0.086	14.2	41.6	0.73	96.8	0.061	2	2.07	0.041	0.06	0.5	4.2	0.09	0.15	61	0.8	0.05	6.0	1.63
1076835	Soil	0.112	16.1	45.0	0.79	105.2	0.047	2	2.16	0.028	0.07	0.2	4.2	0.12	0.14	94	0.8	0.04	6.8	1.48
1076836	Soil	0.072	11.7	38.5	0.77	170.4	0.053	3	1.99	0.024	0.06	0.1	3.4	0.08	0.08	70	0.5	0.06	6.1	1.16
1076837	Soil	0.050	10.0	41.0	0.77	181.5	0.053	3	2.38	0.020	0.04	0.1	3.7	0.09	0.04	38	0.4	0.09	7.2	1.05
1076838	Soil	0.027	10.9	39.4	0.81	136.5	0.124	3	2.19	0.018	0.11	0.1	4.9	0.12	<0.02	26	0.4	0.02	5.9	1.66
1076839	Soil	0.030	11.0	42.1	0.91	166.2	0.124	3	2.64	0.018	0.08	0.1	5.1	0.12	0.02	31	0.3	0.04	7.0	1.86
1076840	Soil	0.052	10.4	42.5	0.83	141.5	0.069	2	2.60	0.018	0.05	<0.1	3.9	0.11	0.05	39	0.5	0.05	6.9	1.25
1076841	Soil	0.044	9.9	45.0	0.83	141.5	0.062	2	2.34	0.017	0.05	<0.1	3.8	0.10	0.04	31	0.4	0.07	7.3	1.25
1076842	Soil	0.047	11.0	44.4	0.83	142.1	0.056	3	2.58	0.013	0.05	0.2	3.8	0.11	0.04	39	0.4	0.08	7.5	1.28
1076843	Soil	0.049	12.5	45.4	0.88	159.3	0.085	2	2.42	0.017	0.11	0.2	4.8	0.13	0.04	35	0.4	0.04	7.2	2.45
1076844	Soil	0.052	13.9	46.2	0.96	131.8	0.105	3	2.71	0.016	0.11	0.3	5.2	0.16	0.04	33	0.5	0.04	7.2	2.21
1076845	Soil	0.064	8.8	39.0	0.70	147.6	0.055	2	1.94	0.023	0.04	0.1	3.2	0.07	0.05	37	0.5	0.06	6.6	0.94
1076846	Soil	0.078	14.4	112.2	0.60	259.2	0.115	2	0.91	0.088	0.41	3.0	2.1	5.13	0.16	197	5.0	4.82	4.6	2.44
1076847	Soil	0.066	17.8	45.9	0.84	144.5	0.068	2	2.56	0.015	0.09	0.1	4.8	0.14	0.03	35	0.4	0.06	7.7	1.82
1076848	Soil	0.040	10.8	47.7	0.95	188.7	0.101	2	2.93	0.018	0.07	<0.1	5.4	0.11	0.02	37	0.5	0.05	7.1	1.18
1076501	Soil	0.083	13.3	43.6	0.98	256.9	0.180	2	3.08	0.034	0.24	0.2	4.9	0.26	0.02	26	0.3	0.03	8.4	3.59
1076502	Soil	0.075	12.3	40.8	0.98	235.9	0.185	1	3.03	0.032	0.23	0.2	5.0	0.24	<0.02	20	0.3	0.04	7.9	3.49
1076503	Soil	0.070	12.3	41.5	0.91	249.5	0.208	2	2.43	0.022	0.20	0.6	4.6	0.29	<0.02	21	0.3	0.05	6.8	2.31
1076504	Soil	0.079	13.7	41.6	0.97	300.9	0.212	2	2.30	0.023	0.22	0.8	5.5	0.39	<0.02	28	0.4	0.05	6.9	3.11
1076505	Soil	0.066	13.1	43.3	0.99	302.3	0.146	2	2.99	0.016	0.14	0.8	5.5	0.32	0.03	22	0.4	0.04	8.8	4.97
1076506	Soil	0.067	19.2	43.5	0.85	285.1	0.110	2	2.69	0.017	0.10	0.6	6.2	0.22	0.02	28	0.5	0.04	7.4	2.76
1076507	Soil	0.067	14.0	33.6	0.77	215.0	0.159	1	2.38	0.017	0.14	0.4	4.0	0.32	<0.02	18	0.4	0.03	7.0	4.45
1076508	Soil	0.075	15.3	36.2	0.86	255.1	0.179	<1	2.27	0.026	0.18	1.0	4.7	0.36	<0.02	21	0.4	0.03	6.4	4.56
1076509	Soil	0.090	12.2	38.0	0.71	168.0	0.052	2	1.94	0.019	0.04	0.4	3.2	0.21	0.07	40	0.5	0.04	6.9	1.79
1076510	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1076511	Soil	0.061	11.1	31.0	0.76	197.2	0.163	3	2.15	0.028	0.15	0.6	3.8	0.24	<0.02	23	0.3	0.05	6.4	3.10
1076512	Soil	0.050	9.9	37.6	0.70	141.8	0.089	3	2.25	0.017	0.05	0.2	3.7	0.13	0.03	22	0.4	0.05	7.1	1.37



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Project: 210800
Report Date: July 14, 2011

Page: 3 of 6 **Part** 3

CERTIFICATE OF ANALYSIS

WHI11000204.1

	Method	Analyte	Unit	MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI			
					Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
					0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1076831	Soil			0.04	0.91	9.4	0.7	<0.05	2.4	6.51	21.1	0.02	<1	0.3	11.7	<10	<2	21.4	
1076832	Soil			0.06	1.44	14.4	0.6	<0.05	3.4	4.82	27.5	0.02	<1	0.7	17.2	<10	<2	11.6	
1076833	Soil			0.03	1.11	12.0	1.0	<0.05	2.1	5.41	21.1	0.04	<1	0.6	15.1	<10	<2	15.4	
1076834	Soil			0.04	1.02	9.8	0.5	<0.05	2.2	11.22	26.1	0.03	<1	0.5	12.3	<10	<2	24.6	
1076835	Soil			0.04	1.18	13.4	2.6	<0.05	2.5	13.61	28.4	0.05	1	0.6	13.3	<10	<2	34.1	
1076836	Soil			0.03	0.96	11.0	0.6	<0.05	1.6	8.63	27.8	0.06	<1	0.7	13.0	<10	<2	20.2	
1076837	Soil			<0.02	0.82	9.8	1.2	<0.05	1.5	6.85	26.0	0.04	<1	0.6	12.2	<10	<2	14.8	
1076838	Soil			0.10	0.99	14.6	0.6	<0.05	5.4	5.37	23.3	0.03	<1	0.5	15.3	<10	<2	8.0	
1076839	Soil			0.08	1.18	13.0	1.0	<0.05	4.5	5.39	32.9	0.04	<1	0.4	16.9	<10	<2	9.5	
1076840	Soil			0.03	1.07	9.3	0.6	<0.05	1.8	7.09	29.4	0.03	<1	0.5	14.8	<10	<2	16.5	
1076841	Soil			0.03	1.04	9.8	1.1	<0.05	1.7	5.95	23.0	0.04	<1	0.6	16.7	<10	<2	14.9	
1076842	Soil			0.03	1.02	11.3	0.7	<0.05	1.5	6.82	25.6	0.05	<1	0.7	14.6	<10	<2	17.0	
1076843	Soil			0.04	1.19	16.0	1.1	<0.05	2.1	6.18	29.8	0.03	<1	0.7	17.2	<10	<2	12.6	
1076844	Soil			0.05	1.67	15.9	0.7	<0.05	3.5	6.66	31.1	0.03	<1	0.4	16.7	<10	<2	14.2	
1076845	Soil			0.03	0.90	8.3	0.8	<0.05	1.3	5.98	18.9	0.03	<1	0.4	12.8	<10	<2	18.2	
1076846	Soil			0.08	1.09	37.0	7.0	<0.05	2.0	5.42	25.4	2.24	55	5.9	28.0	117	330	16.6	
1076847	Soil			0.04	1.32	16.5	1.2	<0.05	2.2	8.81	34.0	0.03	<1	1.0	19.1	<10	<2	14.0	
1076848	Soil			0.06	1.09	11.2	0.7	<0.05	4.5	6.80	30.9	0.03	<1	0.7	14.8	<10	<2	10.8	
1076501	Soil			0.05	1.68	37.3	1.4	<0.05	3.2	6.70	27.9	0.03	<1	1.2	19.2	<10	<2	12.7	
1076502	Soil			0.08	1.54	34.6	0.9	<0.05	3.6	6.01	25.2	0.03	<1	1.1	17.0	<10	<2	11.8	
1076503	Soil			0.12	1.12	30.5	1.3	<0.05	6.4	6.29	24.1	<0.02	<1	0.7	15.3	<10	<2	7.2	
1076504	Soil			0.12	0.98	40.8	1.0	<0.05	6.4	7.58	27.1	0.03	<1	0.8	17.8	<10	<2	6.6	
1076505	Soil			0.07	1.46	26.2	2.3	<0.05	4.2	7.21	28.6	0.04	<1	1.7	23.0	<10	<2	12.2	
1076506	Soil			0.06	1.07	18.9	0.9	<0.05	3.4	9.27	29.8	0.04	<1	1.7	20.2	<10	<2	11.7	
1076507	Soil			0.06	1.47	26.1	1.0	<0.05	4.0	6.18	25.7	0.02	<1	0.8	16.1	<10	<2	9.4	
1076508	Soil			0.13	1.05	33.0	1.1	<0.05	6.4	7.32	30.1	0.02	<1	1.1	19.4	<10	<2	6.2	
1076509	Soil			<0.02	0.81	11.3	1.5	<0.05	1.2	6.57	22.1	0.03	1	0.8	13.5	<10	<2	19.7	
1076510	Soil			L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	
1076511	Soil			0.06	1.41	21.9	0.9	<0.05	3.7	5.32	21.7	0.03	<1	0.8	16.6	<10	<2	9.9	
1076512	Soil			0.04	1.19	10.7	1.0	<0.05	2.1	5.22	21.3	0.03	<1	0.4	14.0	<10	<2	15.3	



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Report Date: July 14, 2011

Page: 4 of 6 Part 1

CERTIFICATE OF ANALYSIS

WHI11000204.1

	Method Analyte	Unit MDL	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
			+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
			g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
			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
1076513	Soil		390.0	1.58	24.74	7.76	65.8	66	27.4	12.5	436	3.54	9.8	0.7	2.8	3.3	29.8	0.21	0.61	0.18
1076514	Soil		390.0	0.99	32.35	7.13	103.0	42	26.8	13.7	543	3.34	13.3	1.7	3.9	9.8	36.7	0.82	0.42	0.21
1076515	Soil		135.0	1.59	35.46	8.04	101.5	115	25.4	13.7	570	3.38	19.2	3.3	4.1	8.3	46.1	0.96	0.53	0.27
1076516	Soil		265.0	1.66	58.33	9.18	150.4	179	28.6	13.5	586	3.61	25.1	3.5	5.0	6.8	41.1	1.86	0.63	0.27
1076517	Soil		285.0	1.21	133.2	8.43	384.9	221	24.6	13.8	569	3.79	37.7	4.3	9.1	14.1	51.3	6.45	0.68	0.53
1076518	Soil		350.0	1.72	30.76	10.16	87.2	64	45.3	17.0	619	4.14	16.8	1.6	1.6	3.8	37.7	0.22	0.82	0.21
1076519	Soil		255.0	2.08	29.48	10.43	96.2	170	33.6	16.9	496	4.43	13.9	0.9	2.4	1.6	33.9	0.46	0.85	0.21
1076520	Soil		345.0	2.24	34.53	10.51	99.8	98	36.8	18.2	808	4.30	15.2	1.5	7.0	1.8	36.5	0.25	0.87	0.28
1076521	Soil		250.0	1.55	36.14	11.38	85.8	104	48.5	17.3	701	3.87	16.4	1.8	2.2	3.2	36.4	0.28	0.87	0.35
1076522	Soil		320.0	1.61	37.09	12.61	90.5	119	47.9	18.0	705	3.93	17.2	2.0	2.8	3.1	35.7	0.36	0.90	0.41
1076523	Soil		230.0	1.60	26.37	7.13	68.1	69	28.8	13.3	528	3.17	10.9	1.3	6.0	2.8	32.7	0.16	0.58	0.14
1076524	Soil		185.0	2.85	31.05	9.74	77.2	177	34.7	17.0	662	3.67	24.9	3.3	11.7	4.8	26.3	0.26	0.67	0.29
1076525	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1077051	Soil		70.00	1.38	26.21	6.15	37.3	127	21.7	8.9	328	2.27	5.2	0.7	2.9	0.3	30.2	0.11	0.40	0.14
1077052	Soil		180.0	1.61	35.68	8.10	88.3	101	34.8	16.7	601	3.22	10.9	0.7	5.6	0.8	30.4	0.29	0.65	0.15
1077053	Soil		310.0	1.74	35.44	8.65	114.5	62	39.8	21.1	777	3.74	11.1	0.9	3.8	0.7	27.6	0.40	0.78	0.15
1077054	Soil		105.0	1.45	32.12	10.25	76.5	180	34.1	17.1	709	3.21	17.9	0.8	6.2	1.1	27.4	0.28	0.68	0.14
1077055	Soil		150.0	3.03	42.92	8.11	75.9	135	34.0	13.0	444	3.65	11.5	1.0	3.4	0.9	27.6	0.30	1.42	0.15
1077056	Soil		180.0	1.85	31.02	9.07	80.1	114	31.2	17.0	674	3.46	9.6	0.8	2.9	0.6	30.8	0.20	0.69	0.16
1077057	Soil		135.0	5.17	87.10	4.65	46.5	49	93.3	24.9	382	4.53	19.1	2.0	3.8	2.9	20.5	0.11	1.02	0.11
1077058	Soil		255.0	1.34	24.80	6.60	56.1	51	19.4	11.1	365	2.44	10.2	0.5	2.7	0.6	16.5	0.11	0.58	0.11
1077059	Soil		225.0	1.72	33.13	8.33	65.3	118	29.1	14.9	521	3.48	31.6	0.7	2.8	0.7	23.7	0.21	0.57	0.14
1077060	Soil		440.0	1.42	48.59	9.65	74.0	61	57.7	29.3	672	4.94	78.2	0.8	11.2	1.9	31.6	0.17	0.62	0.18
1077061	Soil		485.0	1.37	33.20	10.91	82.2	150	47.3	19.2	620	3.69	28.2	1.0	2.9	1.7	26.4	0.30	0.91	0.18
1077062	Soil		820.0	0.85	34.55	12.40	72.1	126	45.7	22.4	702	3.71	83.8	0.9	10.2	3.4	25.7	0.18	1.38	0.13
1077063	Soil		680.0	1.97	32.18	8.59	74.6	92	33.0	15.4	586	3.41	11.2	0.7	2.5	0.6	28.3	0.15	0.74	0.15
1077064	Soil		375.0	2.17	30.84	9.92	73.0	104	31.2	15.6	615	3.54	10.3	0.8	2.8	0.6	25.9	0.17	0.76	0.17
1077065	Soil		310.0	1.26	40.37	7.34	69.8	64	53.5	17.4	700	3.69	12.4	0.6	5.4	2.4	27.5	0.09	0.50	0.13
1077066	Soil		410.0	1.57	41.05	10.13	76.4	79	49.3	20.5	577	3.78	24.6	0.7	3.8	1.2	24.7	0.12	0.80	0.16
1077067	Soil		305.0	1.47	36.18	7.47	75.7	66	48.2	18.6	668	3.65	12.9	0.6	6.6	1.3	35.2	0.19	0.57	0.11



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Page: 4 of 6 **Part** 2

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1076513	Soil	0.061	8.9	36.2	0.68	205.8	0.111	2	2.27	0.014	0.05	0.2	3.8	0.15	<0.02	30	0.4	0.07	7.8	1.57
1076514	Soil	0.067	13.9	34.8	0.85	218.7	0.201	2	2.09	0.023	0.17	0.8	4.1	0.31	<0.02	16	0.2	0.03	6.4	3.04
1076515	Soil	0.058	17.9	37.8	0.79	263.9	0.159	1	2.29	0.026	0.12	1.5	4.8	0.27	0.03	25	0.3	0.04	6.9	3.09
1076516	Soil	0.053	13.5	37.9	0.87	222.6	0.141	2	2.42	0.021	0.12	0.4	4.8	0.26	0.03	30	0.4	0.04	7.6	3.42
1076517	Soil	0.062	19.0	37.2	1.02	211.1	0.219	2	2.51	0.036	0.33	1.1	6.3	0.67	<0.02	21	0.3	0.04	8.1	5.61
1076518	Soil	0.043	10.7	45.7	0.89	188.9	0.102	2	2.86	0.018	0.07	0.2	4.6	0.13	0.03	37	0.4	0.04	7.6	1.61
1076519	Soil	0.051	8.9	43.9	0.70	153.2	0.073	3	2.46	0.012	0.05	0.1	3.5	0.10	0.04	26	0.5	0.05	8.9	1.45
1076520	Soil	0.068	10.3	45.2	0.95	170.6	0.092	2	2.57	0.025	0.09	0.2	4.6	0.13	0.03	38	0.4	0.05	8.3	2.44
1076521	Soil	0.039	12.9	45.1	0.94	175.3	0.097	3	2.80	0.025	0.06	0.4	4.9	0.14	0.03	38	0.6	0.02	6.9	1.65
1076522	Soil	0.042	12.8	45.0	0.95	178.4	0.090	2	2.78	0.022	0.06	0.4	5.1	0.14	0.04	33	0.7	0.04	7.3	1.85
1076523	Soil	0.055	9.0	35.6	0.72	187.8	0.113	3	1.79	0.019	0.06	0.1	3.4	0.11	0.04	32	0.3	<0.02	6.0	1.72
1076524	Soil	0.052	8.6	39.4	0.83	199.3	0.093	3	2.20	0.019	0.07	0.2	3.8	0.18	0.06	26	0.3	0.05	6.8	3.05
1076525	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1077051	Soil	0.094	6.8	31.5	0.45	129.8	0.039	2	1.17	0.027	0.03	<0.1	2.0	0.11	0.12	42	0.4	0.04	4.1	0.95
1077052	Soil	0.060	8.2	40.6	0.71	118.5	0.065	4	1.62	0.025	0.05	0.1	3.1	0.06	0.08	52	0.5	0.03	5.6	1.05
1077053	Soil	0.063	7.8	42.5	0.78	139.6	0.059	2	2.05	0.017	0.05	0.1	3.3	0.08	0.07	41	0.4	0.04	6.6	1.28
1077054	Soil	0.079	7.5	37.0	0.73	137.4	0.063	2	1.85	0.015	0.10	<0.1	3.0	0.10	0.07	51	0.3	<0.02	5.7	1.88
1077055	Soil	0.071	7.4	51.5	0.78	179.1	0.069	1	1.85	0.015	0.08	0.1	3.0	0.12	0.09	22	1.0	0.06	7.0	2.42
1077056	Soil	0.068	8.1	40.8	0.72	230.4	0.047	3	1.97	0.022	0.03	<0.1	2.9	0.11	0.07	27	0.4	0.04	6.4	1.17
1077057	Soil	0.084	14.7	124.0	1.84	165.7	0.127	2	2.79	0.009	0.17	<0.1	5.8	0.15	0.04	24	0.9	0.07	9.6	3.19
1077058	Soil	0.034	5.1	25.5	0.44	61.0	0.054	2	1.03	0.020	0.03	0.1	1.9	0.05	0.04	23	0.2	0.05	4.5	0.70
1077059	Soil	0.052	7.6	38.6	0.63	115.0	0.051	2	1.99	0.016	0.03	0.1	2.9	0.08	0.06	36	0.2	0.06	6.7	1.08
1077060	Soil	0.042	8.1	66.4	1.50	237.4	0.167	2	3.12	0.022	0.21	0.1	8.1	0.19	0.06	30	0.3	0.07	10.9	3.50
1077061	Soil	0.039	10.9	42.4	0.83	152.0	0.079	1	2.32	0.018	0.07	<0.1	4.0	0.04	0.03	25	0.3	0.05	6.1	2.15
1077062	Soil	0.019	8.8	39.2	0.81	117.6	0.115	2	2.19	0.017	0.08	0.1	3.8	0.08	<0.02	23	0.3	0.04	6.3	2.44
1077063	Soil	0.058	8.3	38.8	0.69	134.6	0.043	1	1.95	0.014	0.04	0.1	2.7	0.08	0.06	40	0.5	<0.02	6.5	1.04
1077064	Soil	0.059	7.7	39.6	0.69	138.6	0.048	1	2.03	0.012	0.05	0.1	3.0	0.08	0.05	32	0.5	<0.02	7.1	1.24
1077065	Soil	0.036	8.8	47.1	0.99	152.1	0.116	3	2.91	0.018	0.11	0.1	4.7	0.10	0.03	27	0.5	<0.02	7.8	2.38
1077066	Soil	0.042	7.7	43.4	0.87	161.4	0.084	2	2.33	0.014	0.07	<0.1	4.0	0.08	0.03	24	0.4	0.03	7.3	2.02
1077067	Soil	0.052	7.8	45.1	0.86	186.6	0.093	1	2.35	0.017	0.07	0.1	3.7	0.10	0.04	26	0.4	0.06	7.2	1.90



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Report Date: July 14, 2011

Page: 4 of 6 Part 3

CERTIFICATE OF ANALYSIS

WHI11000204.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1076513	Soil	0.05	1.26	11.4	0.8	<0.05	3.0	5.08	17.5	0.03	<1	0.4	16.2	<10	<2
1076514	Soil	0.09	1.48	32.4	1.3	<0.05	4.9	6.03	28.2	0.02	<1	0.6	19.4	<10	<2
1076515	Soil	0.08	1.72	27.0	1.1	<0.05	3.8	7.41	29.5	0.03	<1	1.0	17.8	<10	<2
1076516	Soil	0.04	1.30	24.4	1.4	<0.05	2.8	6.07	23.6	0.04	<1	1.1	19.2	<10	6
1076517	Soil	0.10	1.47	61.3	2.7	<0.05	5.5	9.38	33.1	0.03	<1	1.2	26.7	17	<2
1076518	Soil	0.05	1.51	13.6	1.2	<0.05	3.1	8.88	35.6	0.04	<1	0.8	17.8	<10	<2
1076519	Soil	0.03	1.23	11.1	0.8	<0.05	1.8	5.29	21.3	0.04	<1	0.5	16.6	<10	<2
1076520	Soil	0.03	1.31	16.8	1.4	<0.05	1.5	7.97	26.4	0.04	<1	0.7	21.8	<10	<2
1076521	Soil	0.05	1.33	12.0	0.8	<0.05	2.5	24.26	38.5	0.04	<1	0.7	15.7	<10	<2
1076522	Soil	0.05	1.49	12.2	0.9	<0.05	2.7	25.20	37.9	0.04	<1	0.6	16.3	<10	<2
1076523	Soil	0.05	1.22	11.9	0.6	<0.05	2.8	4.46	18.9	0.03	<1	0.4	14.5	<10	<2
1076524	Soil	0.05	1.10	14.6	1.1	<0.05	2.5	4.49	24.0	0.07	<1	0.5	16.5	<10	<2
1076525	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1077051	Soil	0.03	0.75	4.5	0.5	<0.05	1.7	4.59	13.6	0.02	<1	0.2	5.3	<10	<2
1077052	Soil	0.04	0.88	8.5	0.7	<0.05	2.0	5.50	21.2	0.03	1	0.5	11.2	<10	<2
1077053	Soil	0.04	0.89	8.8	0.5	<0.05	1.8	5.58	25.5	0.05	1	0.7	13.8	<10	<2
1077054	Soil	0.03	1.20	12.2	0.7	<0.05	2.3	4.13	20.2	0.04	<1	0.5	12.9	<10	<2
1077055	Soil	0.03	0.86	13.0	0.6	<0.05	1.5	4.17	16.7	0.03	2	0.6	13.4	<10	<2
1077056	Soil	0.03	0.86	6.3	0.8	<0.05	1.4	5.03	20.2	0.03	<1	0.3	12.3	<10	<2
1077057	Soil	0.05	0.93	16.6	0.4	<0.05	3.0	7.86	31.9	0.02	<1	1.1	23.0	<10	<2
1077058	Soil	0.03	0.58	5.1	0.5	<0.05	1.4	3.02	11.6	<0.02	<1	0.3	6.9	<10	<2
1077059	Soil	0.03	0.86	7.1	0.6	<0.05	1.6	4.64	17.4	0.03	<1	0.5	11.3	<10	<2
1077060	Soil	0.04	1.68	25.9	1.7	<0.05	3.5	5.60	26.8	0.03	<1	0.5	23.6	<10	2
1077061	Soil	0.03	1.05	10.8	0.7	<0.05	2.2	6.23	30.8	0.03	<1	0.8	16.4	<10	<2
1077062	Soil	0.08	0.79	7.7	1.3	<0.05	4.1	4.39	24.9	0.04	<1	0.6	15.6	<10	<2
1077063	Soil	0.02	0.76	7.4	0.5	<0.05	1.5	5.17	18.8	0.03	1	0.4	10.8	<10	<2
1077064	Soil	<0.02	0.83	9.4	1.2	<0.05	1.4	4.74	17.6	0.03	<1	0.7	11.3	<10	<2
1077065	Soil	0.06	1.49	13.2	0.7	<0.05	3.4	5.10	28.8	0.04	<1	0.6	17.0	<10	<2
1077066	Soil	0.04	0.89	9.3	1.2	<0.05	1.9	4.75	23.3	0.02	<1	0.6	14.4	<10	<2
1077067	Soil	0.05	1.14	11.0	0.8	<0.05	2.2	5.14	28.0	0.03	<1	0.6	14.6	<10	<2



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Report Date: July 14, 2011

Page: 5 of 6 Part 1

CERTIFICATE OF ANALYSIS

WHI11000204.1

	Method Analyte Unit MDL	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		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
1077068	Soil	440.0	1.37	31.16	8.06	69.8	62	45.8	17.0	418	3.67	10.1	0.6	15.5	1.5	24.3	0.16	0.57	0.13	86	0.44
1077069	Soil	220.0	1.18	33.53	6.19	61.9	69	33.9	20.4	591	3.76	9.0	0.5	19.9	1.3	41.0	0.14	0.46	0.20	119	0.73
1077070 GS-1 STD	Soil		0.62	20.93	8.75	50.0	33	25.6	11.0	405	2.61	3.9	1.5	0.7	6.6	75.7	0.05	0.16	0.18	13	3.61
1077071	Soil	270.0	1.44	32.47	6.14	58.1	45	32.1	16.5	570	3.40	11.9	0.6	3.8	1.6	26.7	0.10	0.55	0.11	78	0.41
1077072	Soil	225.0	2.03	31.21	9.58	75.7	84	40.4	16.8	641	3.58	11.9	0.6	28.2	0.9	30.2	0.17	0.67	0.14	71	0.58
1077073	Soil	335.0	1.45	27.61	7.61	71.1	125	31.6	15.8	575	3.35	9.8	0.6	0.6	0.6	32.4	0.23	0.56	0.17	68	0.64
1077074	Soil	415.0	2.09	25.45	9.29	63.7	37	31.8	17.0	593	3.99	12.7	0.7	1.6	1.4	21.1	0.13	0.65	0.17	82	0.30
1077075	Soil	415.0	2.06	35.01	8.92	77.4	211	33.9	17.5	860	3.53	13.9	0.8	4.0	0.7	27.5	0.24	0.65	0.17	73	0.48
1077076	Soil	360.0	1.59	34.22	9.02	72.1	120	39.6	15.9	559	3.52	14.8	0.6	5.6	0.9	24.1	0.15	0.75	0.14	77	0.42
1077077	Soil	250.0	1.54	50.42	7.94	62.9	166	42.6	12.6	467	3.50	22.5	0.8	4.9	1.4	22.7	0.08	3.41	0.16	67	0.35
1077078	Soil	420.0	0.78	31.42	16.98	72.5	118	30.4	11.5	497	2.94	51.5	2.0	3.2	3.4	22.7	0.15	0.69	0.93	72	0.37
1077079	Soil	330.0	2.91	24.25	7.19	101.6	53	25.2	15.7	694	3.61	7.4	1.1	7.7	4.1	29.7	0.14	0.48	1.62	89	0.52
1077080	Soil	200.0	1.87	23.62	8.00	57.6	72	18.4	8.8	298	2.87	6.7	0.8	3.8	0.5	22.1	0.73	0.47	0.18	63	0.36
1077081	Soil	560.0	1.76	61.74	7.44	115.5	191	25.9	11.4	412	3.14	15.4	2.5	4.5	4.7	26.8	0.84	0.73	0.43	74	0.36
1077082	Soil	435.0	1.42	61.19	7.23	106.2	176	26.0	11.1	423	3.13	15.0	2.5	17.9	5.7	24.6	0.90	0.66	0.42	72	0.33
1077083	Soil	260.0	3.48	69.10	7.54	108.6	166	26.0	14.0	686	3.32	14.1	1.5	5.8	2.9	29.2	0.47	0.69	0.34	72	0.47
1077084	Soil	230.0	1.72	54.42	10.32	117.1	104	33.1	15.4	671	4.04	11.4	1.1	5.5	5.4	35.3	0.23	0.93	1.56	88	0.47
1077085	Soil	445.0	2.40	34.43	9.68	99.3	102	37.8	20.2	795	3.89	11.7	1.2	8.7	1.8	34.4	0.29	0.94	0.21	78	0.56
1077086	Soil	345.0	2.31	32.77	10.02	111.8	94	46.2	19.2	760	4.29	12.5	1.9	7.0	4.9	40.1	0.30	0.73	0.21	89	0.63
1077087	Soil	80.00	5.43	66.58	14.55	108.3	370	36.0	21.7	1146	4.33	48.3	13.2	8.4	5.8	44.1	0.32	0.96	0.86	100	0.68
1077088	Soil	90.00	2.82	53.86	16.53	107.6	415	34.1	20.3	1173	3.96	51.8	7.4	8.0	5.1	46.9	0.51	0.89	1.38	82	0.82
1077089	Soil	275.0	2.27	21.14	16.93	93.1	137	18.4	11.2	584	3.11	114.7	2.5	9.4	7.6	205.0	0.24	0.72	0.64	60	0.47
1077090 GS-1 STD	Soil		0.72	21.11	8.98	51.5	28	26.5	12.3	416	2.78	3.8	1.4	4.5	7.6	79.3	0.04	0.17	0.20	14	3.77
1077091	Soil	370.0	2.39	27.97	10.45	85.9	68	25.2	14.5	692	3.52	40.6	1.1	3.8	5.8	47.6	0.31	0.62	0.69	81	0.59
1077092	Soil	290.0	1.93	21.51	9.06	46.7	115	19.6	11.3	504	3.21	14.1	1.0	2.7	1.6	31.1	0.16	0.53	0.15	74	0.41
1077093	Soil	65.00	1.90	37.59	21.04	59.3	389	29.4	26.0	1271	2.86	13.8	4.2	7.9	1.0	51.4	1.15	0.65	0.15	55	1.02
1077094	Soil	555.0	1.34	28.07	20.36	71.0	374	24.8	12.3	321	3.37	13.7	3.8	22.1	4.4	31.9	0.15	0.66	0.17	78	0.44
1077095	Soil	35.00	2.08	27.39	9.07	74.4	189	24.3	10.6	770	2.28	9.2	2.2	5.3	1.2	52.6	0.25	0.49	0.12	46	0.95
1077096	Soil	65.00	2.57	27.82	11.32	47.3	193	23.0	14.0	902	3.10	9.6	2.3	8.8	1.4	37.9	0.13	0.53	0.17	64	0.73
1077097	Soil	20.00	1.67	27.04	7.40	87.4	194	27.7	14.6	1215	2.47	9.8	2.1	4.2	1.3	53.0	0.60	0.58	0.11	49	1.30



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Report Date: July 14, 2011

Page: 5 of 6 Part 2

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1077068	Soil	0.030	6.9	38.4	0.80	143.3	0.108	2	2.49	0.016	0.06	0.1	3.5	0.07	0.02	34	0.3	<0.02	7.4	1.17
1077069	Soil	0.044	6.0	43.0	1.08	258.8	0.146	1	2.41	0.032	0.15	0.2	4.2	0.18	0.05	30	0.4	0.05	7.1	2.75
1077070 GS-1 STD	Soil	0.038	16.8	19.7	1.02	59.9	0.028	<1	1.15	0.021	0.21	0.1	1.9	0.09	0.03	8	0.3	<0.02	3.3	0.97
1077071	Soil	0.034	7.1	38.3	0.81	143.8	0.097	2	2.02	0.018	0.13	0.1	4.4	0.18	0.03	29	0.4	0.03	6.5	3.12
1077072	Soil	0.049	7.8	41.0	0.74	141.6	0.057	1	2.26	0.014	0.04	<0.1	3.1	0.08	0.04	27	0.3	<0.02	6.8	0.98
1077073	Soil	0.056	7.6	36.9	0.70	139.1	0.050	1	1.89	0.021	0.04	<0.1	2.8	0.04	0.05	31	0.3	0.08	6.0	0.91
1077074	Soil	0.032	8.3	44.2	0.81	127.7	0.062	1	2.52	0.013	0.03	0.1	3.7	0.10	<0.02	23	0.4	0.03	7.9	1.22
1077075	Soil	0.069	9.3	41.2	0.69	144.0	0.054	2	2.16	0.015	0.05	<0.1	3.1	0.08	0.04	35	0.4	0.05	7.3	1.23
1077076	Soil	0.047	7.8	42.3	0.77	178.8	0.059	2	2.57	0.012	0.05	<0.1	3.6	0.09	0.04	36	0.5	0.06	7.2	1.09
1077077	Soil	0.060	10.8	39.4	0.63	176.7	0.046	1	2.12	0.012	0.07	<0.1	3.4	0.10	0.07	22	0.8	0.10	5.1	1.97
1077078	Soil	0.026	7.0	33.4	0.73	137.9	0.112	1	2.00	0.015	0.09	1.4	3.3	0.18	<0.02	25	0.5	0.04	6.1	2.99
1077079	Soil	0.051	8.9	37.6	1.03	222.8	0.172	1	2.35	0.024	0.27	1.9	5.5	0.53	0.02	18	0.3	0.06	8.1	7.38
1077080	Soil	0.070	7.4	31.8	0.52	90.8	0.048	2	1.42	0.020	0.04	0.2	2.3	0.09	0.09	46	0.3	0.03	5.6	0.97
1077081	Soil	0.060	17.3	39.2	0.77	150.4	0.096	1	2.25	0.018	0.11	2.0	4.0	0.32	0.05	32	0.4	0.03	7.5	3.83
1077082	Soil	0.052	16.0	37.4	0.74	154.5	0.102	1	2.32	0.016	0.11	1.8	4.1	0.29	0.04	33	0.4	0.04	6.8	3.58
1077083	Soil	0.066	12.7	35.5	0.72	145.9	0.086	2	1.83	0.017	0.12	5.1	3.2	0.22	0.05	28	0.3	0.06	6.8	2.61
1077084	Soil	0.049	12.5	41.6	0.99	174.3	0.141	6	2.68	0.024	0.25	3.6	4.9	0.51	0.04	<5	0.6	0.25	8.6	5.36
1077085	Soil	0.071	14.5	44.4	0.89	147.8	0.065	<1	2.38	0.021	0.08	0.3	3.6	0.15	0.07	24	0.9	0.20	7.3	1.46
1077086	Soil	0.061	13.7	48.4	1.06	200.6	0.118	<1	2.91	0.026	0.15	1.0	5.1	0.22	0.06	34	0.6	0.06	8.5	2.26
1077087	Soil	0.128	39.2	48.2	0.96	218.5	0.065	<1	3.21	0.027	0.14	1.4	5.5	0.37	0.11	76	0.8	0.28	9.5	6.32
1077088	Soil	0.102	23.9	43.4	0.88	233.2	0.065	<1	3.04	0.023	0.11	1.2	5.0	0.24	0.10	57	1.3	0.21	7.9	4.10
1077089	Soil	0.037	11.3	28.2	0.74	228.1	0.052	1	2.22	0.015	0.10	0.4	4.1	0.23	0.03	51	0.7	0.15	6.2	2.73
1077090 GS-1 STD	Soil	0.038	20.9	22.1	1.08	65.7	0.033	<1	1.29	0.024	0.23	0.1	2.1	0.10	0.03	11	0.4	0.15	3.6	1.00
1077091	Soil	0.046	10.9	39.5	0.86	153.3	0.139	10	2.31	0.017	0.11	0.7	4.0	0.19	0.03	10	0.3	0.14	7.9	3.39
1077092	Soil	0.074	10.2	35.8	0.58	128.7	0.059	<1	1.87	0.020	0.04	0.2	2.7	0.13	0.07	45	0.8	0.12	6.0	1.52
1077093	Soil	0.111	33.5	35.0	0.62	240.2	0.046	<1	1.92	0.028	0.05	0.2	3.0	0.23	0.13	87	1.3	0.13	5.1	1.58
1077094	Soil	0.088	15.0	44.8	0.83	196.6	0.082	<1	2.63	0.020	0.08	0.2	4.5	0.19	0.07	48	0.5	0.11	7.1	2.63
1077095	Soil	0.087	13.9	33.8	0.55	221.6	0.047	8	1.33	0.031	0.05	<0.1	2.4	0.11	0.12	66	0.9	0.14	4.1	1.13
1077096	Soil	0.107	12.3	37.7	0.57	194.8	0.047	<1	1.61	0.031	0.05	0.1	2.9	0.12	0.13	93	0.9	0.19	5.0	1.22
1077097	Soil	0.099	10.6	34.0	0.60	223.4	0.060	1	1.45	0.029	0.06	0.1	3.0	0.11	0.13	102	0.7	0.15	4.1	1.17



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Project: 210800
Report Date: July 14, 2011

Page: 5 of 6 **Part** 3

CERTIFICATE OF ANALYSIS

WHI11000204.1

		Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI	
		Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1077068	Soil		0.04	1.19	9.5	0.9	<0.05	3.1	4.67	20.9	0.03	<1	0.5	13.1	<10	<2	12.9
1077069	Soil		0.04	1.47	23.8	0.6	<0.05	2.9	4.72	20.8	0.03	<1	0.2	14.0	<10	<2	16.7
1077070 GS-1 STD	Soil		<0.02	0.53	14.0	0.5	<0.05	0.9	6.92	32.7	<0.02	1	0.1	26.2	<10	<2	8.7
1077071	Soil		0.04	1.06	13.5	0.6	<0.05	2.3	3.82	16.8	0.03	<1	0.5	14.4	<10	3	11.7
1077072	Soil		0.02	0.97	7.8	1.6	<0.05	2.0	5.27	24.0	0.04	<1	0.6	12.8	<10	<2	16.7
1077073	Soil		0.03	0.94	8.7	0.5	<0.05	2.0	5.03	20.1	0.03	<1	0.3	9.6	<10	<2	17.9
1077074	Soil		0.03	0.88	6.8	0.7	<0.05	2.1	5.04	19.3	0.03	<1	0.3	13.6	<10	<2	12.7
1077075	Soil		0.03	0.92	10.0	0.6	<0.05	1.6	6.34	22.7	0.04	<1	0.6	12.8	<10	<2	17.7
1077076	Soil		0.03	0.92	7.6	1.3	<0.05	2.0	5.18	21.6	0.02	<1	0.7	11.5	<10	<2	15.5
1077077	Soil		0.03	0.63	8.3	0.6	<0.05	1.7	6.26	33.4	0.03	<1	0.5	9.9	<10	<2	12.9
1077078	Soil		0.06	1.86	19.6	1.6	<0.05	3.5	30.31	19.0	<0.02	<1	0.7	21.3	<10	<2	9.9
1077079	Soil		0.07	1.53	51.7	2.4	<0.05	4.0	6.23	19.0	0.04	<1	1.0	38.8	<10	2	11.3
1077080	Soil		0.03	0.82	8.8	1.1	<0.05	1.4	4.03	14.7	0.02	<1	0.3	8.3	<10	<2	22.3
1077081	Soil		0.04	1.21	23.8	1.3	<0.05	2.5	7.01	28.7	0.03	<1	0.7	15.6	<10	<2	15.3
1077082	Soil		0.04	1.11	23.6	1.6	<0.05	2.7	6.38	27.0	0.03	<1	0.7	14.5	<10	<2	13.4
1077083	Soil		0.03	1.14	26.3	1.1	<0.05	1.9	5.34	24.2	0.03	<1	0.8	15.3	<10	<2	16.2
1077084	Soil		0.05	1.62	49.7	4.4	<0.05	2.5	6.15	33.8	0.03	<1	1.8	28.2	<10	<2	13.7
1077085	Soil		0.04	0.66	16.5	0.8	<0.05	1.0	8.03	31.9	0.04	1	0.7	13.5	<10	<2	16.1
1077086	Soil		0.03	1.25	26.7	1.6	<0.05	2.3	8.07	44.8	0.03	<1	1.2	19.5	<10	2	15.7
1077087	Soil		0.05	1.42	30.3	1.4	<0.05	2.1	16.43	54.1	0.04	4	1.9	24.1	<10	<2	27.4
1077088	Soil		0.08	2.29	22.8	2.5	<0.05	2.6	41.96	44.1	0.04	2	1.5	21.8	<10	3	29.8
1077089	Soil		0.04	1.34	22.4	1.1	<0.05	1.1	14.37	22.5	0.02	<1	0.4	16.0	<10	6	13.0
1077090 GS-1 STD	Soil		<0.02	0.64	14.6	0.6	<0.05	0.9	7.76	40.5	<0.02	<1	<0.1	27.5	<10	<2	8.7
1077091	Soil		0.03	1.62	18.4	1.0	<0.05	2.3	7.43	22.6	0.03	<1	0.7	18.2	<10	3	11.8
1077092	Soil		0.03	1.19	9.4	1.2	<0.05	1.7	4.78	19.4	<0.02	<1	0.4	9.8	<10	<2	22.5
1077093	Soil		0.06	1.15	8.7	0.7	<0.05	2.1	14.15	53.6	<0.02	<1	1.1	7.3	<10	<2	39.4
1077094	Soil		0.04	1.49	16.2	1.0	<0.05	2.3	6.42	26.2	<0.02	<1	0.4	16.9	<10	<2	19.9
1077095	Soil		0.06	0.95	7.8	1.7	<0.05	2.1	7.11	21.5	<0.02	<1	<0.1	7.2	<10	<2	34.3
1077096	Soil		0.04	1.02	7.2	3.9	<0.05	2.0	6.59	20.7	<0.02	<1	0.6	8.8	<10	2	31.7
1077097	Soil		0.09	1.21	10.5	1.2	<0.05	2.9	6.87	19.9	0.02	4	0.5	10.0	<10	<2	41.6



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Project: 210800
Report Date: July 14, 2011

Page: 6 of 6 Part 1

CERTIFICATE OF ANALYSIS

WHI11000204.1

	Method Analyte Unit MDL	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		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
1077098	Soil	440.0	0.63	23.53	8.30	67.9	172	25.8	14.4	499	3.19	6.9	2.2	4.2	8.2	83.1	0.19	0.35	0.09	68
1077099	Soil	335.0	0.65	24.79	5.94	54.7	57	25.3	10.2	288	3.04	5.9	0.9	2.7	4.0	27.1	0.15	0.37	0.10	71
1077100	Soil	245.0	0.94	29.69	6.83	53.6	62	31.9	13.3	493	3.12	6.8	1.5	7.2	4.3	29.1	0.12	0.43	0.10	72
1075252	Soil	290.0	1.64	41.06	6.73	68.6	169	41.0	17.1	655	3.40	12.3	0.7	4.9	1.4	25.9	0.19	0.46	0.13	72
1075253	Soil	240.0	1.51	31.23	12.74	96.8	103	37.3	15.5	607	3.82	17.8	0.7	7.6	2.2	38.6	0.25	0.52	0.18	95
1075254	Soil	600.0	1.61	45.79	8.67	79.5	220	51.2	17.8	583	4.01	12.8	0.8	9.0	2.2	36.0	0.22	0.56	0.17	93
1075255	Soil	315.0	2.09	29.97	10.09	82.7	374	35.0	16.9	558	3.81	14.7	0.7	5.4	0.9	37.6	0.21	0.67	0.17	81
1075256	Soil	285.0	2.17	39.51	8.17	87.7	147	40.1	18.1	556	3.81	13.1	0.8	4.7	1.0	34.4	0.28	0.73	0.17	80
1075257	Soil	135.0	1.69	31.76	6.92	76.3	279	31.7	11.2	347	2.74	9.3	0.7	3.5	0.6	36.3	0.24	0.61	0.11	61
1075258	Soil	155.0	2.20	39.43	7.33	67.9	211	28.9	17.7	897	3.21	15.0	0.9	7.0	0.6	35.6	0.24	0.64	0.14	65
1075259	Soil	330.0	1.03	27.85	6.72	53.8	131	24.0	9.1	253	2.31	6.5	1.1	5.7	1.3	28.4	0.08	0.38	0.10	61
1075260	Soil	360.0	1.08	34.16	7.81	72.2	77	35.1	13.4	430	3.32	15.0	1.6	4.9	6.7	31.0	0.16	0.41	0.09	98
1075261	Soil	315.0	1.69	30.93	7.85	78.3	90	34.1	14.8	341	3.49	7.4	2.4	5.6	4.8	32.5	0.15	0.43	0.10	91
1075262	Soil	385.0	1.65	29.56	6.78	81.5	89	34.3	14.2	334	3.43	6.8	2.1	5.8	4.3	31.7	0.13	0.40	0.10	88
1075263	Soil	575.0	1.54	41.66	8.66	68.2	132	31.9	15.0	573	3.71	8.8	2.4	4.2	3.1	32.6	0.12	1.42	0.12	85
1075264	Soil	295.0	1.52	41.11	8.22	81.2	72	31.4	18.6	723	3.91	8.9	1.8	3.3	4.2	38.8	0.18	0.80	0.13	91
1075265	Soil	385.0	1.51	39.30	8.86	84.0	63	31.3	16.7	636	3.92	9.7	1.2	3.3	4.1	41.2	0.17	0.56	0.12	94
1075266	Soil	415.0	1.17	28.32	7.08	62.1	63	30.6	12.8	446	3.29	8.3	0.9	7.8	2.7	26.5	0.10	0.49	0.11	73
1075267	Soil	295.0	1.00	28.48	6.95	58.4	52	28.9	13.8	514	3.17	6.7	0.8	6.8	2.9	35.9	0.15	0.43	0.10	75
1075268	Soil	440.0	1.43	31.80	7.07	68.7	132	35.5	14.3	487	3.64	9.6	1.6	4.5	2.8	31.4	0.10	0.53	0.13	81
1075269	Soil	190.0	0.36	15.22	8.12	33.2	38	9.8	7.1	322	2.00	2.7	0.8	3.7	5.8	51.1	0.03	0.15	0.04	44
1075270 GS-1 STD	Soil		0.65	20.99	8.83	55.3	42	25.7	11.1	440	2.97	4.8	1.5	2.4	7.3	86.3	0.11	0.19	0.22	15
1075271	Soil	315.0	0.58	27.77	7.58	62.2	51	25.7	11.8	492	3.60	6.7	2.0	3.2	10.0	41.1	0.09	0.34	0.11	86
1075272	Soil	395.0	0.54	16.10	6.15	64.3	31	13.2	12.3	604	3.13	3.7	1.3	0.3	14.5	31.4	0.10	0.22	0.08	67
1075251	Soil	340.0	1.58	26.74	7.48	70.5	276	27.8	12.1	446	2.85	11.2	0.6	3.4	0.5	35.3	0.25	0.62	0.14	59



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Report Date: July 14, 2011

Page: 6 of 6 Part 2

CERTIFICATE OF ANALYSIS

WHI11000204.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1077098	Soil	0.055	9.9	36.2	1.03	188.5	0.139	<1	2.43	0.066	0.13	<0.1	3.8	0.16	<0.02	38	0.7	0.08	6.2	5.19
1077099	Soil	0.051	7.6	37.1	0.72	171.4	0.116	<1	2.22	0.019	0.06	<0.1	4.0	0.13	<0.02	27	0.5	0.06	5.6	1.44
1077100	Soil	0.033	8.6	40.8	0.80	193.7	0.139	<1	2.07	0.022	0.08	0.1	4.3	0.14	0.03	11	0.6	<0.02	5.4	1.40
1075252	Soil	0.050	9.4	41.6	0.73	136.3	0.074	<1	2.13	0.018	0.08	0.1	3.8	0.07	0.03	45	0.5	0.08	5.3	0.97
1075253	Soil	0.056	10.7	43.6	0.92	292.1	0.104	<1	2.78	0.026	0.15	<0.1	5.4	0.11	0.03	22	0.7	0.10	7.8	1.72
1075254	Soil	0.054	11.9	52.2	0.89	194.2	0.103	1	2.78	0.021	0.10	<0.1	4.3	0.12	0.04	44	1.0	0.12	7.3	1.52
1075255	Soil	0.072	9.8	46.9	0.82	172.4	0.062	4	2.29	0.017	0.09	0.1	3.4	0.10	0.05	21	0.6	0.08	7.0	1.32
1075256	Soil	0.068	11.2	44.7	0.80	144.9	0.067	<1	2.14	0.024	0.09	<0.1	3.7	0.08	0.06	27	1.2	0.18	6.5	1.45
1075257	Soil	0.074	8.7	47.9	0.65	132.3	0.048	<1	1.51	0.026	0.07	0.1	2.7	0.08	0.09	42	0.9	0.14	5.1	1.05
1075258	Soil	0.098	13.6	40.9	0.65	141.0	0.053	<1	1.87	0.028	0.05	0.1	3.4	0.08	0.10	46	1.0	0.13	5.3	1.07
1075259	Soil	0.067	8.8	37.1	0.70	179.9	0.088	5	1.90	0.030	0.06	0.1	3.5	0.12	0.05	48	0.7	0.05	5.6	1.33
1075260	Soil	0.061	11.5	50.6	1.00	292.8	0.198	<1	2.53	0.020	0.16	0.2	5.3	0.18	<0.02	13	0.7	0.09	6.9	2.82
1075261	Soil	0.064	11.3	48.7	0.97	273.1	0.175	<1	2.49	0.021	0.11	0.3	5.1	0.18	0.02	22	0.6	0.12	6.7	1.98
1075262	Soil	0.063	10.4	46.8	0.93	265.4	0.170	<1	2.41	0.021	0.11	0.2	4.9	0.14	0.02	25	0.7	0.05	6.6	1.89
1075263	Soil	0.066	15.3	48.8	0.93	201.4	0.109	<1	2.42	0.020	0.09	0.1	5.9	0.15	0.05	46	0.8	0.03	7.0	3.05
1075264	Soil	0.075	11.7	47.4	1.03	253.0	0.123	<1	2.49	0.019	0.10	0.1	5.4	0.16	0.05	39	1.0	0.06	7.2	2.71
1075265	Soil	0.068	10.4	45.7	1.03	260.8	0.128	<1	2.30	0.017	0.08	0.1	3.8	0.13	0.05	18	0.7	<0.02	7.8	2.13
1075266	Soil	0.045	7.5	40.3	0.83	141.2	0.112	5	2.27	0.018	0.06	0.1	3.7	0.10	0.03	26	0.8	0.03	6.0	1.67
1075267	Soil	0.047	7.6	37.5	0.79	203.7	0.129	<1	1.96	0.024	0.07	0.1	3.3	0.09	0.04	33	0.7	0.07	6.2	1.62
1075268	Soil	0.061	11.0	44.8	0.93	244.8	0.115	<1	2.55	0.022	0.07	<0.1	4.0	0.15	0.05	10	1.1	0.14	6.9	1.73
1075269	Soil	0.035	9.2	16.4	0.72	309.4	0.046	<1	3.18	0.036	0.12	0.1	2.2	0.11	0.02	26	0.6	0.04	5.9	0.85
1075270 GS-1 STD	Soil	0.044	19.0	20.4	1.16	75.8	0.031	<1	1.29	0.021	0.23	0.1	2.2	0.12	0.03	19	0.2	<0.02	3.8	1.11
1075271	Soil	0.057	17.4	38.2	0.95	307.7	0.169	2	2.69	0.015	0.12	0.2	5.2	0.23	0.02	38	0.3	0.03	7.6	2.62
1075272	Soil	0.050	11.4	22.3	0.96	356.1	0.225	<1	1.84	0.011	0.18	0.2	3.4	0.46	0.03	15	0.2	0.03	7.2	3.29
1075251	Soil	0.052	7.6	34.7	0.65	145.6	0.054	<1	1.43	0.028	0.04	0.1	2.7	0.08	0.06	31	0.6	0.03	4.9	0.88



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Project: 210800

Report Date: July 14, 2011

Page: 6 of 6 Part 3

CERTIFICATE OF ANALYSIS

WHI11000204.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1077098	Soil	0.08	1.19	16.1	0.8	<0.05	3.8	6.12	23.3	0.03	1	<0.1	14.7	<10	<2
1077099	Soil	0.06	1.06	8.5	0.6	<0.05	4.6	4.54	15.2	<0.02	2	0.3	11.4	<10	<2
1077100	Soil	0.09	1.27	13.0	1.3	<0.05	4.3	4.49	21.6	0.03	<1	<0.1	12.3	<10	<2
1075252	Soil	0.05	0.85	8.7	0.6	<0.05	2.5	6.47	28.6	0.02	<1	0.3	10.9	<10	<2
1075253	Soil	0.04	1.33	16.2	3.7	<0.05	2.3	5.67	22.0	<0.02	<1	0.5	17.3	<10	<2
1075254	Soil	0.06	1.31	14.7	0.7	<0.05	2.8	5.59	27.1	<0.02	<1	1.2	17.0	<10	<2
1075255	Soil	<0.02	0.97	12.6	2.0	<0.05	1.2	5.51	22.1	0.03	<1	1.4	18.4	<10	<2
1075256	Soil	<0.02	0.86	10.4	0.5	<0.05	1.2	6.41	26.7	0.03	<1	0.4	16.1	<10	<2
1075257	Soil	0.04	1.21	12.2	1.1	<0.05	1.1	4.83	17.5	<0.02	<1	0.6	11.4	<10	<2
1075258	Soil	0.04	0.92	8.8	0.5	<0.05	1.6	9.94	26.7	<0.02	<1	0.1	9.4	<10	<2
1075259	Soil	0.03	1.02	8.5	0.8	<0.05	1.8	5.15	18.0	<0.02	<1	<0.1	10.2	<10	<2
1075260	Soil	0.08	1.04	20.5	0.5	<0.05	4.2	6.13	23.2	0.03	<1	0.3	18.7	<10	<2
1075261	Soil	0.07	1.58	17.0	1.1	<0.05	4.0	6.41	21.6	0.03	<1	0.4	17.6	<10	<2
1075262	Soil	0.06	1.50	16.2	0.5	<0.05	3.7	5.85	19.0	<0.02	<1	<0.1	14.8	<10	<2
1075263	Soil	0.04	1.36	19.3	1.0	<0.05	2.0	8.37	27.5	0.02	<1	0.6	17.3	<10	4
1075264	Soil	0.02	1.40	19.9	0.6	<0.05	1.9	5.87	24.2	0.02	<1	<0.1	22.0	<10	3
1075265	Soil	0.05	1.46	16.1	1.2	<0.05	2.4	4.71	21.0	0.02	<1	0.9	18.8	<10	<2
1075266	Soil	0.05	1.18	10.1	0.6	<0.05	3.1	3.94	16.1	<0.02	<1	0.9	15.6	<10	3
1075267	Soil	0.07	1.54	11.2	1.1	<0.05	3.0	4.01	19.2	<0.02	<1	0.3	14.1	<10	<2
1075268	Soil	0.06	1.39	11.9	0.7	<0.05	2.7	5.00	22.3	<0.02	1	0.6	17.0	<10	<2
1075269	Soil	0.03	1.51	9.0	1.8	<0.05	0.5	2.86	21.3	<0.02	<1	0.2	15.5	<10	<2
1075270 GS-1 STD	Soil	0.02	0.66	17.0	0.7	<0.05	1.0	7.99	41.5	0.02	<1	0.7	30.1	<10	<2
1075271	Soil	0.08	1.38	21.4	1.1	<0.05	4.8	8.35	36.2	0.03	<1	0.6	19.8	<10	<2
1075272	Soil	0.05	2.36	38.7	0.8	<0.05	1.9	3.93	21.3	0.02	<1	0.5	21.5	<10	<2
1075251	Soil	0.04	0.98	7.8	1.0	<0.05	2.1	4.57	17.7	0.03	<1	0.7	10.3	<10	2



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Report Date: July 14, 2011

Page: 1 of 2 Part 1

QUALITY CONTROL REPORT

WHI11000204.1

	Method Analyte Unit MDL	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		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																					
1076802	Soil	400.0	0.80	26.25	8.40	71.8	46	29.0	12.6	497	3.20	6.3	3.8	3.9	11.2	29.4	0.13	0.44	0.12	73	0.49
REP 1076802	QC		0.83	27.34	8.48	73.6	46	30.4	12.9	505	3.30	6.6	3.9	1.8	11.5	30.2	0.16	0.48	0.12	75	0.53
1076829	Soil	585.0	1.35	42.74	12.64	90.9	56	66.7	22.0	730	3.93	12.8	0.8	2.0	1.9	28.7	0.17	0.71	0.20	79	0.42
REP 1076829	QC		1.45	43.30	12.81	94.9	55	66.7	22.2	741	3.92	12.9	0.9	3.5	2.0	29.8	0.16	0.71	0.21	79	0.43
1076830	Soil	345.0	1.81	32.00	10.11	88.4	85	34.3	19.9	704	3.55	9.4	0.8	2.0	0.9	35.8	0.29	0.64	0.17	75	0.60
REP 1076830	QC																				
1076845	Soil	300.0	1.78	29.96	8.39	86.2	79	29.4	15.5	640	3.65	10.6	0.7	2.8	0.7	40.3	0.19	0.88	0.17	79	0.70
REP 1076845	QC		1.75	29.69	8.36	86.8	86	28.7	15.7	642	3.64	10.7	0.7	1.1	0.7	38.9	0.23	0.89	0.17	78	0.70
1076520	Soil	345.0	2.24	34.53	10.51	99.8	98	36.8	18.2	808	4.30	15.2	1.5	7.0	1.8	36.5	0.25	0.87	0.28	90	0.52
REP 1076520	QC		2.16	32.47	9.72	93.1	88	34.6	17.4	756	4.06	14.1	1.4	5.8	1.7	33.5	0.25	0.82	0.27	85	0.49
1076524	Soil	185.0	2.85	31.05	9.74	77.2	177	34.7	17.0	662	3.67	24.9	3.3	11.7	4.8	26.3	0.26	0.67	0.29	80	0.42
REP 1076524	QC																				
1077060	Soil	440.0	1.42	48.59	9.65	74.0	61	57.7	29.3	672	4.94	78.2	0.8	11.2	1.9	31.6	0.17	0.62	0.18	134	0.55
REP 1077060	QC		1.36	45.47	8.84	72.1	62	56.1	27.2	630	4.67	73.6	0.8	5.7	1.8	29.6	0.13	0.59	0.17	128	0.50
1077062	Soil	820.0	0.85	34.55	12.40	72.1	126	45.7	22.4	702	3.71	83.8	0.9	10.2	3.4	25.7	0.18	1.38	0.13	75	0.44
REP 1077062	QC																				
1077082	Soil	435.0	1.42	61.19	7.23	106.2	176	26.0	11.1	423	3.13	15.0	2.5	17.9	5.7	24.6	0.90	0.66	0.42	72	0.33
REP 1077082	QC		1.48	64.36	7.82	113.7	187	26.6	12.2	457	3.37	15.7	2.6	5.4	6.3	26.3	0.89	0.71	0.41	76	0.37
1077095	Soil	35.00	2.08	27.39	9.07	74.4	189	24.3	10.6	770	2.28	9.2	2.2	5.3	1.2	52.6	0.25	0.49	0.12	46	0.95
REP 1077095	QC		2.14	28.92	9.59	80.7	176	26.8	11.8	777	2.36	9.6	2.4	4.1	1.3	55.7	0.24	0.54	0.13	48	0.95
1075252	Soil	290.0	1.64	41.06	6.73	68.6	169	41.0	17.1	655	3.40	12.3	0.7	4.9	1.4	25.9	0.19	0.46	0.13	72	0.42
REP 1075252	QC		2.04	51.46	8.85	84.8	218	52.1	21.5	829	4.27	15.6	0.9	10.2	2.1	35.0	0.18	0.63	0.17	86	0.53
1075263	Soil	575.0	1.54	41.66	8.66	68.2	132	31.9	15.0	573	3.71	8.8	2.4	4.2	3.1	32.6	0.12	1.42	0.12	85	0.53
REP 1075263	QC																				
1075271	Soil	315.0	0.58	27.77	7.58	62.2	51	25.7	11.8	492	3.60	6.7	2.0	3.2	10.0	41.1	0.09	0.34	0.11	86	0.59
REP 1075271	QC		0.61	29.96	7.57	64.6	54	27.8	12.1	518	3.59	6.9	2.1	3.1	10.3	41.8	0.07	0.32	0.14	85	0.58
Reference Materials																					
STD DOLOMITE-2	Standard																				



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Report Date:

July 14, 2011

Page:

1 of 2

Part 2

QUALITY CONTROL REPORT

WHI11000204.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
Pulp Duplicates																					
1076802	Soil	0.047	17.1	39.3	0.92	210.6	0.147	1	2.20	0.017	0.07	0.2	4.8	0.14	0.03	15	0.3	<0.02	6.7	2.01	<0.1
REP 1076802	QC	0.049	17.7	39.4	0.95	207.9	0.155	2	2.28	0.017	0.08	0.1	5.1	0.15	0.03	19	0.3	<0.02	6.8	2.14	<0.1
1076829	Soil	0.048	11.3	47.2	0.91	146.3	0.104	2	2.74	0.025	0.07	<0.1	4.4	0.09	0.05	27	0.4	0.04	6.8	2.18	<0.1
REP 1076829	QC	0.049	11.8	49.0	0.90	151.1	0.108	3	2.74	0.026	0.07	<0.1	4.6	0.09	0.05	35	0.5	0.05	7.0	2.24	<0.1
1076830	Soil	0.069	10.5	42.6	0.75	134.8	0.076	2	1.92	0.031	0.06	<0.1	3.4	0.08	0.08	35	0.3	0.03	6.4	1.54	<0.1
REP 1076830	QC																				
1076845	Soil	0.064	8.8	39.0	0.70	147.6	0.055	2	1.94	0.023	0.04	0.1	3.2	0.07	0.05	37	0.5	0.06	6.6	0.94	<0.1
REP 1076845	QC	0.065	9.2	38.2	0.69	156.4	0.054	2	1.88	0.023	0.04	0.1	3.2	0.07	0.05	34	0.4	0.06	6.7	1.01	<0.1
1076520	Soil	0.068	10.3	45.2	0.95	170.6	0.092	2	2.57	0.025	0.09	0.2	4.6	0.13	0.03	38	0.4	0.05	8.3	2.44	<0.1
REP 1076520	QC	0.065	9.7	42.9	0.88	162.3	0.088	2	2.32	0.023	0.08	0.3	4.2	0.12	0.02	37	0.2	0.06	7.9	2.34	<0.1
1076524	Soil	0.052	8.6	39.4	0.83	199.3	0.093	3	2.20	0.019	0.07	0.2	3.8	0.18	0.06	26	0.3	0.05	6.8	3.05	<0.1
REP 1076524	QC																				
1077060	Soil	0.042	8.1	66.4	1.50	237.4	0.167	2	3.12	0.022	0.21	0.1	8.1	0.19	0.06	30	0.3	0.07	10.9	3.50	<0.1
REP 1077060	QC	0.039	7.6	62.1	1.43	231.3	0.156	2	2.95	0.021	0.19	0.1	7.5	0.19	0.06	37	0.3	0.05	10.5	3.37	<0.1
1077062	Soil	0.019	8.8	39.2	0.81	117.6	0.115	2	2.19	0.017	0.08	0.1	3.8	0.08	<0.02	23	0.3	0.04	6.3	2.44	<0.1
REP 1077062	QC																				
1077082	Soil	0.052	16.0	37.4	0.74	154.5	0.102	1	2.32	0.016	0.11	1.8	4.1	0.29	0.04	33	0.4	0.04	6.8	3.58	<0.1
REP 1077082	QC	0.055	16.9	40.7	0.79	162.1	0.111	1	2.45	0.017	0.12	2.2	4.4	0.32	0.04	31	0.6	0.03	7.3	3.89	<0.1
1077095	Soil	0.087	13.9	33.8	0.55	221.6	0.047	8	1.33	0.031	0.05	<0.1	2.4	0.11	0.12	66	0.9	0.14	4.1	1.13	<0.1
REP 1077095	QC	0.099	15.0	35.6	0.55	233.0	0.065	<1	1.36	0.032	0.05	0.1	2.8	0.12	0.12	50	1.2	0.21	4.8	1.38	<0.1
1075252	Soil	0.050	9.4	41.6	0.73	136.3	0.074	<1	2.13	0.018	0.08	0.1	3.8	0.07	0.03	45	0.5	0.08	5.3	0.97	<0.1
REP 1075252	QC	0.062	12.8	52.6	0.80	172.9	0.104	<1	2.30	0.023	0.09	0.1	5.0	0.08	<0.02	24	0.8	0.15	6.5	1.27	<0.1
1075263	Soil	0.066	15.3	48.8	0.93	201.4	0.109	<1	2.42	0.020	0.09	0.1	5.9	0.15	0.05	46	0.8	0.03	7.0	3.05	<0.1
REP 1075263	QC																				
1075271	Soil	0.057	17.4	38.2	0.95	307.7	0.169	2	2.69	0.015	0.12	0.2	5.2	0.23	0.02	38	0.3	0.03	7.6	2.62	<0.1
REP 1075271	QC	0.059	17.5	38.6	0.95	313.4	0.164	<1	2.64	0.014	0.12	0.1	5.2	0.22	0.02	22	0.5	0.03	7.8	2.65	<0.1
Reference Materials																					
STD DOLOMITE-2	Standard																				



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Report Date: July 14, 2011

Page: 1 of 2 Part 3

QUALITY CONTROL REPORT

WHI11000204.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
Pulp Duplicates															
1076802	Soil	0.08	1.59	14.4	1.0	<0.05	3.8	6.66	27.7	0.03	<1	0.3	22.9	<10	<2
REP 1076802	QC	0.06	1.59	14.8	1.0	<0.05	3.7	6.76	28.7	0.02	<1	0.6	24.0	<10	<2
1076829	Soil	0.04	1.12	11.5	1.1	<0.05	2.4	6.34	28.8	0.03	<1	0.6	16.7	<10	<2
REP 1076829	QC	0.05	1.17	12.0	1.0	<0.05	2.5	6.48	29.6	0.03	<1	0.9	17.2	<10	<2
1076830	Soil	0.03	1.11	11.2	0.5	<0.05	2.4	6.09	22.3	0.03	<1	0.4	13.8	<10	<2
REP 1076830	QC														
1076845	Soil	0.03	0.90	8.3	0.8	<0.05	1.3	5.98	18.9	0.03	<1	0.4	12.8	<10	<2
REP 1076845	QC	0.02	0.86	8.4	0.7	<0.05	1.4	5.82	19.6	0.03	<1	0.5	12.7	<10	<2
1076520	Soil	0.03	1.31	16.8	1.4	<0.05	1.5	7.97	26.4	0.04	<1	0.7	21.8	<10	<2
REP 1076520	QC	0.03	1.20	15.2	1.3	<0.05	1.6	7.36	24.7	0.03	<1	1.0	21.4	<10	<2
1076524	Soil	0.05	1.10	14.6	1.1	<0.05	2.5	4.49	24.0	0.07	<1	0.5	16.5	<10	<2
REP 1076524	QC														
1077060	Soil	0.04	1.68	25.9	1.7	<0.05	3.5	5.60	26.8	0.03	<1	0.5	23.6	<10	2
REP 1077060	QC	0.04	1.63	25.6	1.5	<0.05	3.4	5.24	24.7	0.04	<1	0.6	22.9	<10	<2
1077062	Soil	0.08	0.79	7.7	1.3	<0.05	4.1	4.39	24.9	0.04	<1	0.6	15.6	<10	<2
REP 1077062	QC														
1077082	Soil	0.04	1.11	23.6	1.6	<0.05	2.7	6.38	27.0	0.03	<1	0.7	14.5	<10	<2
REP 1077082	QC	0.06	1.20	24.3	1.6	<0.05	2.8	6.60	28.3	0.04	<1	0.9	15.7	<10	<2
1077095	Soil	0.06	0.95	7.8	1.7	<0.05	2.1	7.11	21.5	<0.02	<1	<0.1	7.2	<10	<2
REP 1077095	QC	0.08	0.95	9.8	1.5	<0.05	1.5	7.69	23.8	<0.02	<1	0.5	7.4	<10	4
1075252	Soil	0.05	0.85	8.7	0.6	<0.05	2.5	6.47	28.6	0.02	<1	0.3	10.9	<10	<2
REP 1075252	QC	0.07	1.06	11.6	0.6	<0.05	2.9	8.33	37.9	<0.02	<1	0.6	17.3	<10	<2
1075263	Soil	0.04	1.36	19.3	1.0	<0.05	2.0	8.37	27.5	0.02	<1	0.6	17.3	<10	4
REP 1075263	QC														
1075271	Soil	0.08	1.38	21.4	1.1	<0.05	4.8	8.35	36.2	0.03	<1	0.6	19.8	<10	<2
REP 1075271	QC	0.08	1.40	20.5	1.1	<0.05	4.7	8.24	34.4	<0.02	<1	0.8	20.4	<10	<2
Reference Materials															
STD DOLOMITE-2	Standard														



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Project: 210800

Report Date: July 14, 2011

Page: 2 of 2 Part 1

QUALITY CONTROL REPORT

WHI11000204.1

		SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		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
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DS8	Standard		11.88	112.4	122.3	317.0	1690	36.4	7.3	591	2.39	25.4	2.8	108.6	6.6	65.2	2.49	5.99	7.00	40	0.69
STD DS8	Standard		12.07	108.8	116.5	306.1	1668	35.3	7.0	580	2.34	24.5	2.6	99.4	6.4	63.3	2.49	5.57	6.41	39	0.68
STD DS8	Standard		12.25	103.0	111.9	275.9	1533	37.0	7.2	548	2.33	21.2	2.4	102.1	5.7	54.2	1.95	4.49	5.64	37	0.66
STD DS8	Standard		14.02	113.4	121.0	303.8	1709	37.8	7.6	598	2.50	23.6	2.7	100.3	6.6	62.1	2.13	4.89	5.93	41	0.74
STD DS8	Standard		12.70	109.6	125.4	317.7	1799	37.9	7.5	634	2.50	24.8	2.5	109.5	6.3	61.7	2.42	5.04	6.59	42	0.72
STD DS8	Standard		12.81	109.0	121.9	317.2	1781	37.8	7.5	625	2.48	25.7	2.5	103.9	6.2	62.9	2.43	5.04	6.20	41	0.71
STD DS8	Standard		12.31	109.9	119.2	306.9	1768	37.3	7.3	572	2.33	23.4	2.6	116.3	6.2	54.1	2.17	4.95	5.85	37	0.64
STD DS8	Standard		12.16	108.8	120.0	302.1	1745	37.5	7.2	574	2.35	23.0	2.6	113.7	6.1	54.3	2.15	4.69	5.86	37	0.65
STD DS8	Standard		14.07	118.1	125.0	317.2	1737	38.9	8.1	597	2.49	24.6	2.9	103.7	7.3	63.1	2.36	5.08	6.21	42	0.73
STD DS8	Standard		13.49	114.8	121.1	307.9	1662	38.9	8.2	590	2.45	23.9	2.8	98.9	7.1	61.2	2.31	5.18	6.04	41	0.72
STD DOLOMITE-2 Expected																					
STD DS8 Expected			13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7
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		<0.01	<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		<0.01	<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		<0.01	<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		<0.01	<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



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Project: 210800

Report Date: July 14, 2011

Page: 2 of 2 Part 2

QUALITY CONTROL REPORT

WHI11000204.1

		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DS8	Standard	0.077	14.7	110.3	0.60	264.8	0.116	3	0.90	0.090	0.41	3.0	2.2	5.28	0.15	196	5.0	4.81	4.5	2.44
STD DS8	Standard	0.078	14.5	110.9	0.58	260.0	0.119	3	0.91	0.093	0.40	2.8	2.3	4.90	0.15	179	5.1	4.62	4.5	2.33
STD DS8	Standard	0.068	13.6	114.1	0.58	228.7	0.108	<1	0.94	0.104	0.42	2.9	1.9	4.68	0.15	199	4.7	4.82	4.2	2.15
STD DS8	Standard	0.074	16.1	125.0	0.63	256.1	0.125	<1	1.05	0.118	0.46	2.8	2.6	4.98	0.16	176	5.2	5.04	4.4	2.31
STD DS8	Standard	0.082	13.5	116.6	0.61	267.5	0.108	2	0.92	0.090	0.42	3.1	2.2	5.83	0.17	200	5.2	5.07	5.0	2.55
STD DS8	Standard	0.075	14.3	118.1	0.61	288.6	0.116	1	0.89	0.088	0.42	2.9	2.2	5.37	0.17	213	5.6	5.17	4.7	2.54
STD DS8	Standard	0.074	12.8	114.0	0.59	238.0	0.106	3	0.90	0.091	0.41	2.9	2.0	5.43	0.15	207	5.2	4.91	4.5	2.39
STD DS8	Standard	0.073	13.0	113.5	0.59	229.5	0.106	2	0.91	0.094	0.42	2.8	2.0	5.45	0.15	206	5.2	4.51	4.4	2.37
STD DS8	Standard	0.079	17.2	121.3	0.63	263.3	0.127	3	0.95	0.096	0.42	2.7	2.4	5.35	0.16	205	5.4	4.87	4.6	2.46
STD DS8	Standard	0.078	16.8	123.1	0.62	249.9	0.126	3	0.93	0.095	0.42	2.6	2.4	5.09	0.16	192	5.0	4.87	4.5	2.43
STD DOLOMITE-2 Expected																				
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48
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	<0.02
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	<0.02
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	<0.02
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	<0.02
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	<0.02



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Project: 210800

Report Date: July 14, 2011

Page: 2 of 2 Part 3

QUALITY CONTROL REPORT

WHI11000204.1

		1F30 Hf ppm 0.02	1F30 Nb ppm 0.02	1F30 Rb ppm 0.1	1F30 Sn ppm 0.1	1F30 Ta ppm 0.05	1F30 Zr ppm 0.1	1F30 Y ppm 0.01	1F30 Ce ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2	LOI %
STD DOLOMITE-2	Standard															45.9
STD DOLOMITE-2	Standard															46.1
STD DOLOMITE-2	Standard															46.0
STD DS8	Standard	0.07	1.18	36.9	7.2	<0.05	2.0	5.59	25.4	2.21	56	5.3	27.5	124	348	
STD DS8	Standard	0.07	1.13	36.4	6.9	<0.05	2.0	5.72	25.5	2.24	51	5.2	26.0	109	311	
STD DS8	Standard	0.09	1.28	32.8	5.6	<0.05	1.7	5.41	24.4	1.80	69	4.1	22.1	107	306	
STD DS8	Standard	0.09	1.31	37.1	6.3	<0.05	2.1	6.26	29.0	1.99	52	6.5	26.7	113	322	
STD DS8	Standard	0.07	1.23	40.7	6.5	<0.05	1.8	5.95	27.2	2.21	57	5.0	25.8	117	344	
STD DS8	Standard	0.08	1.22	39.0	6.4	<0.05	1.9	5.91	27.9	2.14	70	6.0	25.5	118	353	
STD DS8	Standard	0.06	1.09	38.4	6.5	<0.05	1.8	5.18	25.2	2.27	71	5.3	24.4	120	338	
STD DS8	Standard	0.07	1.12	37.8	6.2	<0.05	1.8	5.25	24.6	2.18	55	5.6	24.5	112	341	
STD DS8	Standard	0.07	1.29	40.0	6.6	<0.05	2.1	6.51	28.2	2.26	55	4.4	26.2	119	331	
STD DS8	Standard	0.08	1.39	38.4	6.5	<0.05	2.1	6.39	27.1	2.28	55	4.8	27.0	112	309	
STD DOLOMITE-2 Expected																46
STD DS8 Expected		0.08	1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339	
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	



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Submitted By: Andrea Langerud

Receiving Lab: Canada-Whitehorse

Received: June 16, 2011

Report Date: August 01, 2011

Page: 1 of 8

CERTIFICATE OF ANALYSIS

WHI11000224.1

CLIENT JOB INFORMATION

Project: 210800
Shipment ID: YTG-002
P.O. Number
Number of Samples: 208

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.

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

CC: Randy Farmer
Rupa Mukherjee

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	198	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	198	Dry at 60C			WHI
RJSV	198	Saving all or part of Soil Reject			WHI
1F06	208	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
2A05	208	Loss on Ignition at 1000 C		Completed	VAN

ADDITIONAL COMMENTS



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



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Project: 210800

Report Date: August 01, 2011

Page: 2 of 8 Part 1

CERTIFICATE OF ANALYSIS

WHI11000224.1

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1075273	Soil	400.0	1715	1.56	27.59	8.86	65.8	54	30.3	15.9	649	3.57	9.1	1.6	2.4	6.5	39.8	0.11	0.65	0.14
1075274	Soil	535.0	1790	1.84	32.86	9.12	66.1	103	25.9	17.5	748	3.62	6.6	3.3	4.9	6.8	29.4	0.11	0.65	0.14
1075275	Soil	405.0	1830	0.55	21.09	8.36	69.3	26	20.2	13.6	458	3.49	4.1	1.9	6.3	16.8	34.9	0.10	0.29	0.09
1075276	Soil	155.0	1635	0.69	17.23	7.42	80.9	59	21.4	17.1	1509	2.85	3.6	2.7	1.9	10.1	41.0	0.24	0.40	0.09
1075277	Soil	460.0	1965	0.73	22.91	11.53	69.5	87	29.2	13.4	291	3.06	5.7	3.6	2.6	12.1	31.6	0.09	0.41	0.13
1075278	Soil	385.0	1460	1.11	27.42	8.15	74.8	57	28.5	14.5	629	3.38	7.1	3.5	3.3	7.7	38.5	0.20	0.48	0.12
1075279	Soil	365.0	1630	0.86	24.26	11.23	72.1	86	28.7	12.4	398	3.41	6.7	4.9	3.4	7.0	36.1	0.09	0.42	0.14
1075280	Soil	380.0	1870	0.85	22.91	11.76	72.3	83	28.3	12.5	395	3.44	6.8	4.8	4.7	7.3	35.6	0.09	0.43	0.15
1075281	Soil	260.0	1110	0.87	23.46	11.42	74.0	77	27.5	12.4	392	3.42	7.0	4.8	3.4	7.3	36.1	0.10	0.40	0.15
1075282	Soil	265.0	1050	0.82	21.87	11.44	70.9	77	27.8	11.5	340	3.30	6.2	4.3	1.8	7.6	35.5	0.11	0.38	0.14
1075283	Soil	435.0	1235	1.17	29.24	8.06	77.5	104	30.5	12.8	438	3.11	6.8	5.3	3.1	6.6	41.3	0.15	0.49	0.13
1075284	Soil	215.0	1365	0.83	26.87	10.46	66.4	54	30.4	12.5	283	2.86	4.0	3.0	3.7	9.2	32.4	0.20	0.53	0.14
1075285	Soil	495.0	1460	1.22	22.39	8.56	70.2	48	26.3	12.4	496	3.36	7.6	1.6	2.5	4.7	42.2	0.11	0.51	0.14
1075286	Soil	580.0	1735	0.68	24.96	8.31	64.0	48	28.2	11.2	252	2.91	4.5	2.0	3.7	10.2	28.0	0.12	0.44	0.12
1075287	Soil	185.0	2590	0.63	25.46	10.76	62.9	92	24.3	13.4	403	4.00	6.2	3.8	2.7	22.1	40.5	0.17	0.53	0.13
1075288	Soil	80.00	1520	1.04	38.99	17.96	73.6	272	31.9	13.0	520	4.12	8.3	11.6	4.0	21.6	39.8	0.12	0.61	0.19
1075289	Soil	495.0	1725	0.76	27.31	7.24	60.1	46	27.1	12.0	363	3.12	5.5	2.5	6.2	9.2	33.4	0.13	0.43	0.14
1075290 GS-1 STD	Soil	N.A.	N.A.	0.73	22.17	9.98	55.1	35	28.0	12.3	436	2.82	4.1	1.7	0.9	8.4	91.8	0.06	0.20	0.23
1075291	Soil	130.0	1845	0.69	31.71	7.07	62.8	41	31.5	13.6	414	3.40	6.5	2.9	6.9	11.3	38.4	0.10	0.42	0.26
1075292	Soil	470.0	2010	0.96	21.69	7.61	72.7	60	24.8	12.8	501	3.37	6.8	2.2	2.8	9.3	47.9	0.15	0.46	0.10
1075293	Soil	320.0	1200	0.96	20.94	7.31	69.7	52	25.4	12.6	485	3.36	6.4	2.2	4.4	9.1	46.0	0.18	0.47	0.10
1075294	Soil	245.0	1970	0.72	29.23	9.35	67.9	35	32.4	12.7	489	3.31	5.8	3.8	3.7	9.8	49.3	0.13	0.39	0.12
1075295	Soil	280.0	1150	0.94	24.53	6.89	60.2	79	23.2	11.1	491	3.02	5.7	5.4	12.9	9.4	54.7	0.14	0.42	0.12
1075296	Soil	150.0	675.0	1.49	31.64	9.92	74.4	143	30.3	14.9	639	3.48	9.9	6.0	3.0	4.5	50.7	0.15	0.58	0.18
1075297	Soil	110.0	505.0	1.74	29.13	7.63	63.7	146	27.7	13.9	483	2.84	8.6	2.6	3.5	1.6	44.6	0.20	0.66	0.16
1075298	Soil	355.0	1385	1.47	24.78	7.66	67.4	102	28.4	14.1	600	3.03	8.1	1.6	4.4	3.5	33.8	0.12	0.56	0.14
1075299	Soil	295.0	2275	0.86	21.76	6.40	65.7	51	23.3	12.8	605	2.97	5.7	1.2	7.7	4.7	49.0	0.15	0.43	0.11
1075300	Soil	135.0	1194	1.35	16.93	6.03	31.3	67	15.5	6.1	193	1.95	5.8	1.2	4.2	0.7	31.3	0.04	0.41	0.13
1075301	Soil	345.0	920.0	1.96	21.32	7.75	67.7	84	20.5	9.8	367	3.06	10.3	0.8	3.4	1.1	26.0	0.13	0.80	0.16
1075302	Soil	390.0	945.0	2.18	21.37	8.29	69.2	84	20.8	10.4	407	3.20	10.5	0.8	2.7	1.1	24.2	0.13	0.83	0.18



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Report Date:

August 01, 2011

Page:

2 of 8

Part 2

CERTIFICATE OF ANALYSIS

WHI11000224.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.01	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
1075273	Soil	0.53	0.073	12.7	38.2	0.86	267.3	0.102	2	2.61	0.020	0.09	0.1	4.0	0.25	0.05	27	0.3	0.04	7.3
1075274	Soil	0.40	0.084	25.6	45.0	0.85	244.8	0.115	2	2.47	0.018	0.08	0.1	6.3	0.24	0.04	55	0.5	<0.02	7.2
1075275	Soil	0.60	0.081	15.5	35.0	1.01	388.5	0.268	1	2.21	0.018	0.34	0.2	3.6	0.53	<0.02	13	0.4	0.04	7.3
1075276	Soil	0.71	0.091	17.0	29.9	0.81	310.9	0.170	3	1.93	0.021	0.09	0.2	4.2	0.23	0.05	39	0.4	<0.02	6.2
1075277	Soil	0.43	0.055	15.7	43.5	0.93	273.8	0.166	2	2.87	0.015	0.11	0.1	5.0	0.29	0.02	28	0.4	0.04	7.6
1075278	Soil	0.53	0.067	16.4	38.9	0.93	251.9	0.130	2	2.42	0.018	0.10	0.1	4.4	0.23	0.04	29	0.5	0.03	7.1
1075279	Soil	0.50	0.071	19.0	44.9	0.96	218.7	0.091	2	2.75	0.017	0.06	0.2	4.6	0.18	0.04	37	0.5	<0.02	7.8
1075280	Soil	0.50	0.070	19.6	44.4	0.95	218.3	0.090	2	2.72	0.016	0.06	0.1	4.6	0.18	0.04	32	0.5	0.05	7.8
1075281	Soil	0.50	0.072	19.1	44.6	0.94	214.3	0.094	2	2.76	0.017	0.06	0.1	4.6	0.19	0.04	32	0.4	0.02	7.7
1075282	Soil	0.49	0.065	17.7	44.1	0.96	216.1	0.094	2	2.75	0.016	0.06	0.1	4.5	0.18	0.04	34	0.5	<0.02	7.6
1075283	Soil	0.60	0.087	20.1	38.9	0.83	290.2	0.116	2	2.23	0.022	0.09	0.1	4.3	0.23	0.05	40	0.5	0.02	6.5
1075284	Soil	0.48	0.066	14.7	43.5	0.91	300.0	0.161	3	2.74	0.014	0.08	0.2	4.7	0.35	0.04	46	0.4	0.02	8.6
1075285	Soil	0.45	0.083	11.9	40.7	0.88	248.4	0.091	2	2.55	0.015	0.07	0.1	3.7	0.20	0.04	27	0.6	0.03	7.5
1075286	Soil	0.48	0.072	16.3	40.0	0.88	214.1	0.164	2	2.62	0.015	0.09	0.2	4.7	0.29	0.03	25	0.5	<0.02	7.9
1075287	Soil	0.72	0.084	34.8	45.6	0.90	223.7	0.223	2	2.79	0.016	0.13	0.2	7.2	0.25	<0.02	37	0.3	0.03	8.4
1075288	Soil	0.74	0.125	53.7	53.1	0.84	309.9	0.129	2	3.87	0.013	0.12	0.9	10.0	0.30	0.07	72	0.5	0.04	10.5
1075289	Soil	0.50	0.070	19.1	41.0	0.79	224.3	0.165	2	2.18	0.021	0.09	0.1	5.6	0.22	<0.02	24	0.3	0.03	6.2
1075290 GS-1 STD	Soil	3.84	0.042	21.8	21.7	1.08	75.3	0.034	1	1.21	0.020	0.21	0.1	2.3	0.11	0.03	<5	0.4	<0.02	3.6
1075291	Soil	0.57	0.074	18.8	39.6	0.90	299.8	0.175	2	2.55	0.023	0.12	0.3	5.4	0.28	<0.02	24	0.4	0.06	7.2
1075292	Soil	0.75	0.087	14.7	37.0	0.83	252.0	0.173	2	2.13	0.025	0.10	0.2	4.6	0.20	<0.02	23	0.4	0.04	6.7
1075293	Soil	0.74	0.084	13.8	36.1	0.82	245.4	0.173	2	2.10	0.024	0.09	0.2	4.4	0.20	<0.02	23	0.4	<0.02	6.4
1075294	Soil	0.61	0.076	17.7	46.7	0.95	320.4	0.163	1	2.70	0.017	0.09	0.1	5.7	0.18	<0.02	26	0.4	<0.02	7.4
1075295	Soil	0.78	0.094	15.4	39.5	0.76	244.3	0.156	2	2.10	0.034	0.12	0.1	4.7	0.19	<0.02	27	0.3	0.02	6.0
1075296	Soil	0.78	0.089	22.2	42.2	0.78	266.2	0.091	3	2.59	0.028	0.07	<0.1	5.0	0.19	0.06	47	0.6	0.03	7.2
1075297	Soil	0.76	0.079	13.3	34.9	0.68	184.7	0.067	3	1.70	0.035	0.05	0.2	3.4	0.12	0.08	44	0.6	0.05	5.3
1075298	Soil	0.52	0.069	12.4	38.8	0.75	199.1	0.095	2	2.11	0.023	0.06	0.2	4.1	0.14	0.04	32	0.5	0.05	6.4
1075299	Soil	0.62	0.056	10.1	36.3	0.81	185.7	0.149	2	2.08	0.025	0.07	0.1	4.0	0.11	0.02	20	0.4	<0.02	6.3
1075300	Soil	0.48	0.083	7.7	25.6	0.43	97.3	0.050	2	1.13	0.033	0.04	0.1	2.1	0.10	0.06	36	0.4	0.03	4.3
1075301	Soil	0.35	0.050	8.4	30.2	0.52	85.3	0.070	2	1.37	0.023	0.04	0.1	2.5	0.08	0.04	30	0.3	0.04	6.3
1075302	Soil	0.33	0.050	8.6	31.3	0.50	86.9	0.069	2	1.41	0.022	0.04	0.1	2.4	0.08	0.04	31	0.4	0.03	6.3



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Project: 210800
Report Date: August 01, 2011

Page: 2 of 8 Part 3

CERTIFICATE OF ANALYSIS

WHI11000224.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1075273	Soil	<0.1	0.06	1.48	19.2	0.9	<0.05	2.6	5.61	25.7	0.02	<1	0.6	18.5	<10	<2	15.1
1075274	Soil	<0.1	0.03	1.25	18.0	1.1	<0.05	2.7	13.81	44.0	0.04	<1	0.5	19.5	<10	<2	12.9
1075275	Soil	<0.1	0.10	1.20	54.1	2.0	<0.05	4.8	6.20	25.1	0.02	<1	0.3	28.8	<10	<2	5.8
1075276	Soil	<0.1	0.05	2.15	15.8	1.8	<0.05	2.8	8.29	29.4	0.02	<1	0.5	21.9	<10	<2	15.8
1075277	Soil	<0.1	0.06	1.36	23.0	1.9	<0.05	3.9	5.72	28.2	0.03	<1	0.6	23.6	<10	<2	9.7
1075278	Soil	<0.1	0.04	1.32	19.8	1.2	<0.05	2.6	6.40	28.9	0.02	1	0.3	18.7	<10	<2	12.9
1075279	Soil	<0.1	0.03	1.26	12.1	0.9	<0.05	1.9	6.32	27.8	0.03	1	0.5	21.1	<10	<2	14.2
1075280	Soil	<0.1	0.03	1.20	12.3	1.0	<0.05	1.9	6.35	28.2	0.04	<1	0.5	20.5	<10	<2	14.3
1075281	Soil	<0.1	0.04	1.25	12.4	1.0	<0.05	1.9	6.39	28.2	0.03	<1	0.6	21.3	<10	<2	14.1
1075282	Soil	<0.1	0.02	1.21	12.1	1.1	<0.05	2.0	6.10	26.0	0.03	<1	0.6	21.2	<10	<2	13.0
1075283	Soil	<0.1	0.04	1.49	20.0	0.8	<0.05	2.6	8.01	34.9	0.02	<1	0.4	18.2	<10	<2	15.8
1075284	Soil	<0.1	0.06	1.86	14.8	1.5	<0.05	3.8	6.13	25.3	0.03	<1	0.6	23.3	<10	<2	13.1
1075285	Soil	<0.1	0.03	1.18	13.6	0.8	<0.05	2.0	4.80	22.0	0.02	<1	0.6	18.8	<10	<2	14.2
1075286	Soil	<0.1	0.06	1.81	18.4	1.0	<0.05	3.5	7.24	30.1	0.03	<1	0.5	21.3	<10	<2	11.0
1075287	Soil	<0.1	0.16	2.12	27.5	1.3	<0.05	9.0	13.72	46.8	0.03	<1	0.7	25.8	<10	<2	9.2
1075288	Soil	<0.1	0.10	2.24	28.2	14.3	<0.05	4.7	17.31	71.9	<0.02	<1	0.7	23.7	<10	<2	19.9
1075289	Soil	<0.1	0.08	0.86	19.3	1.2	<0.05	5.8	9.20	32.8	0.03	<1	0.4	15.3	<10	<2	6.0
1075290 GS-1 STD	Soil	<0.1	<0.02	0.66	15.8	0.7	<0.05	1.1	7.79	40.4	<0.02	<1	0.4	30.1	<10	<2	8.5
1075291	Soil	<0.1	0.12	1.24	23.7	1.0	<0.05	7.0	8.99	32.2	0.02	<1	0.5	16.5	<10	<2	7.2
1075292	Soil	<0.1	0.08	1.62	20.1	1.3	<0.05	5.5	7.26	28.1	0.03	<1	0.3	17.6	<10	<2	9.5
1075293	Soil	<0.1	0.10	1.71	19.7	1.2	<0.05	5.4	7.14	26.4	0.02	<1	0.4	16.7	<10	<2	9.3
1075294	Soil	<0.1	0.08	0.95	14.9	1.1	<0.05	5.1	8.00	32.4	0.04	<1	0.5	18.4	<10	<2	7.3
1075295	Soil	<0.1	0.08	1.33	19.5	0.9	<0.05	5.1	7.64	26.5	<0.02	<1	0.4	15.4	<10	<2	8.8
1075296	Soil	<0.1	0.07	1.69	15.6	1.6	<0.05	3.8	9.59	35.6	0.02	<1	0.5	16.9	<10	<2	23.0
1075297	Soil	<0.1	0.04	1.23	10.2	0.7	<0.05	2.4	6.12	23.6	0.02	<1	0.3	10.3	<10	<2	21.8
1075298	Soil	<0.1	0.05	1.25	12.7	1.0	<0.05	2.8	5.61	22.9	0.03	<1	0.3	14.1	<10	<2	14.3
1075299	Soil	<0.1	0.06	1.33	14.3	0.7	<0.05	4.3	4.69	20.2	0.03	<1	0.3	14.3	<10	<2	10.2
1075300	Soil	<0.1	0.04	0.93	5.6	0.6	<0.05	2.0	4.00	14.4	<0.02	1	0.2	7.8	<10	<2	20.8
1075301	Soil	<0.1	0.04	1.05	12.4	0.5	<0.05	2.2	3.64	15.6	<0.02	<1	0.3	12.0	<10	<2	15.8
1075302	Soil	<0.1	0.03	1.07	12.8	0.7	<0.05	2.2	3.63	16.5	0.02	<1	0.4	12.8	<10	<2	15.6



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Project: 210800
Report Date: August 01, 2011

Page: 3 of 8 Part 1

CERTIFICATE OF ANALYSIS

WHI11000224.1

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1075303	Soil	790.0	2170	1.28	29.00	8.06	66.8	58	31.4	15.3	626	3.59	8.7	1.7	2.6	8.0	40.2	0.11	0.62	0.14
1075304	Soil	690.0	1975	0.54	21.25	6.84	52.4	23	21.8	11.4	418	2.91	4.5	1.4	2.5	10.0	101.6	0.06	0.29	0.08
1075305	Soil	355.0	1685	0.86	23.54	7.41	65.1	51	29.7	13.3	500	3.09	6.0	1.4	2.4	7.0	45.8	0.08	0.44	0.12
1075306	Soil	200.0	750.0	2.12	22.62	6.80	59.5	78	22.2	13.5	564	2.75	6.6	1.7	1.9	1.7	40.5	0.13	0.58	0.14
1075307	Soil	285.0	1820	1.63	20.58	8.56	61.9	86	23.3	13.7	549	3.13	10.3	1.0	2.1	2.7	37.4	0.14	0.65	0.17
1075308	Soil	560.0	1135	2.21	26.23	9.19	61.7	96	30.6	16.5	635	3.48	10.7	0.9	7.9	1.1	32.0	0.13	0.83	0.23
1075309	Soil	545.0	1195	2.16	23.78	8.88	58.3	189	25.2	10.7	526	3.19	9.7	1.1	2.6	1.7	35.6	0.08	0.71	0.21
1075310	Soil			0.75	23.85	10.82	60.2	42	32.2	12.7	548	2.86	3.9	1.8	2.6	9.7	99.3	0.06	0.21	0.28
1075311	Soil	255.0	740.0	1.82	22.90	8.04	47.7	121	23.2	11.8	424	2.83	8.5	1.2	2.2	2.4	46.0	0.08	0.58	0.19
1075312	Soil	135.0	1685	1.48	43.12	9.47	80.0	174	32.2	15.7	918	3.15	7.2	4.6	2.5	14.3	54.3	0.21	0.59	0.18
1075313	Soil	495.0	1905	1.13	30.60	9.16	75.6	69	37.8	15.6	606	3.41	7.1	1.7	3.8	6.5	46.3	0.14	0.46	0.16
1075314	Soil	155.0	1305	1.31	37.26	11.06	86.9	155	45.5	15.7	338	3.80	12.1	2.5	4.8	3.2	46.4	0.20	0.67	0.19
1075315	Soil	190.0	1545	1.20	50.24	9.57	86.3	145	50.6	19.0	453	3.45	7.7	3.2	5.9	3.0	50.5	0.26	0.88	0.17
1075316	Soil	480.0	2970	1.63	41.28	8.92	74.4	82	47.1	17.3	655	3.61	10.5	1.0	3.8	2.3	42.3	0.21	0.61	0.18
1076849	Soil	530.0	1175	3.51	31.62	10.93	79.5	98	34.7	20.2	902	3.76	12.2	2.0	3.9	2.0	35.9	0.12	0.85	0.53
1076850 GS-1 STD	Soil	N.A.	N.A.	0.71	24.36	10.29	51.9	34	31.7	13.1	500	2.92	3.8	1.7	0.8	8.8	97.2	0.07	0.19	0.23
1076951	Soil	550.0	1675	2.14	39.03	10.23	66.7	56	39.9	15.1	563	3.47	8.2	2.4	4.5	6.5	38.8	0.10	0.55	0.20
1076952	Soil	390.0	810.0	7.98	31.13	9.26	65.3	131	30.7	14.3	753	3.33	9.7	1.5	2.7	0.6	29.0	0.14	0.68	0.18
1076953	Soil	610.0	995.0	2.37	38.55	10.53	67.4	72	44.2	15.0	427	3.37	9.3	1.5	4.5	3.5	27.7	0.12	0.73	0.18
1076954	Soil	180.0	430.0	2.03	24.08	8.52	63.2	73	28.2	12.1	596	3.09	9.7	1.1	2.8	2.4	31.9	0.14	0.59	0.18
1076955	Soil	335.0	610.0	3.62	25.75	7.88	42.1	105	21.9	11.5	371	2.52	6.4	1.4	2.4	1.2	27.5	0.06	0.61	0.20
1076956	Soil	270.0	555.0	7.50	30.05	11.16	66.7	86	30.1	17.0	696	3.98	10.8	1.6	5.4	0.9	35.4	0.15	0.88	0.22
1076957	Soil	205.0	690.0	5.68	42.96	9.43	68.6	114	44.0	18.6	695	3.96	12.0	2.7	58.9	5.3	43.0	0.11	0.75	0.61
1076958	Soil	30.00	1895	25.97	86.48	87.89	137.7	562	31.1	12.9	546	3.69	8.8	8.1	3.9	11.7	150.0	1.47	1.63	1.20
1076959	Soil	70.00	2195	6.62	41.97	10.07	68.6	89	34.2	15.9	533	4.16	7.8	4.2	4.1	14.1	59.6	0.16	0.55	0.20
1076960	Soil	110.0	525.0	3.00	21.14	6.53	33.1	76	19.4	7.3	249	2.12	5.2	1.7	10.0	0.8	32.8	0.06	0.45	0.16
1076961	Soil	205.0	1319	1.07	33.75	11.52	59.6	67	31.9	14.0	544	3.54	6.4	3.2	4.1	14.4	68.7	0.08	0.44	0.27
1076962	Soil	180.0	1165	1.11	34.62	10.74	67.9	78	32.9	15.5	492	3.61	5.8	3.4	3.2	14.7	64.9	0.10	0.42	0.27
1076963	Soil	215.0	970.0	2.99	34.95	8.62	61.9	256	31.4	19.2	948	3.19	8.2	2.0	3.7	1.3	38.4	0.09	0.84	0.20
1076964	Soil	125.0	675.0	1.66	27.02	9.06	76.5	52	33.4	15.3	638	3.42	8.1	1.3	2.3	3.8	54.3	0.21	0.53	0.19



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Project: 210800
Report Date: August 01, 2011

Page: 3 of 8 Part 2

CERTIFICATE OF ANALYSIS

WHI11000224.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1075303	Soil	0.55	0.067	12.5	37.3	0.86	302.5	0.162	2	2.33	0.024	0.11	0.2	4.1	0.29	0.02	21	0.3	0.04	7.2	2.20
1075304	Soil	0.64	0.058	15.0	34.5	0.84	391.0	0.191	2	2.26	0.020	0.11	0.2	4.3	0.24	<0.02	12	0.2	<0.02	6.5	2.03
1075305	Soil	0.56	0.059	11.3	37.9	0.87	223.6	0.144	2	2.34	0.023	0.06	0.3	4.2	0.14	<0.02	15	0.4	<0.02	6.7	2.02
1075306	Soil	0.66	0.079	10.0	33.0	0.65	170.4	0.085	2	1.54	0.031	0.08	0.2	2.8	0.17	0.07	41	0.6	<0.02	5.1	1.21
1075307	Soil	0.56	0.058	10.7	35.2	0.66	158.7	0.089	2	1.74	0.024	0.06	0.1	3.3	0.11	0.04	38	0.4	0.02	6.4	1.48
1075308	Soil	0.46	0.057	10.4	39.2	0.68	137.0	0.071	4	1.91	0.023	0.04	0.1	3.0	0.12	0.05	36	0.3	0.03	6.7	1.19
1075309	Soil	0.47	0.064	10.9	36.4	0.62	152.5	0.079	3	1.58	0.029	0.05	0.1	2.5	0.13	0.04	28	0.1	0.04	5.9	1.35
1075310	Soil	3.71	0.045	26.2	24.5	1.09	81.2	0.040	2	1.17	0.021	0.22	0.1	2.0	0.11	0.03	8	<0.1	<0.02	3.6	1.13
1075311	Soil	0.68	0.058	13.2	34.1	0.59	149.8	0.082	<1	1.44	0.030	0.06	0.1	3.0	0.10	0.05	36	<0.1	0.05	5.5	0.90
1075312	Soil	0.99	0.087	31.4	42.1	0.80	311.6	0.140	2	1.72	0.033	0.13	0.3	4.5	0.32	0.07	45	0.2	0.04	5.8	3.70
1075313	Soil	0.64	0.061	15.9	46.5	0.90	334.4	0.166	<1	2.34	0.026	0.08	0.1	4.7	0.24	0.04	18	<0.1	0.02	6.8	1.99
1075314	Soil	0.69	0.070	16.1	62.5	0.91	266.3	0.122	4	2.62	0.025	0.07	0.1	6.5	0.16	0.05	44	0.2	0.05	8.1	1.44
1075315	Soil	1.06	0.075	18.3	58.2	0.93	232.7	0.127	<1	2.17	0.040	0.07	<0.1	6.3	0.10	0.04	52	0.5	0.04	6.5	1.01
1075316	Soil	0.76	0.056	13.8	51.1	0.92	185.2	0.125	3	2.28	0.035	0.08	<0.1	4.6	0.12	0.03	34	<0.1	0.06	6.9	1.31
1076849	Soil	0.42	0.085	16.6	51.6	0.80	166.3	0.083	4	2.38	0.016	0.05	0.3	4.1	0.17	0.05	37	0.2	0.02	7.8	1.78
1076850 GS-1 STD	Soil	3.77	0.049	23.9	23.3	1.08	75.6	0.040	1	1.17	0.022	0.22	<0.1	1.9	0.11	0.03	12	0.1	0.03	3.7	1.05
1076951	Soil	0.48	0.066	20.5	54.0	0.82	203.7	0.154	4	2.66	0.019	0.06	0.5	5.2	0.13	<0.02	27	0.3	0.05	7.1	1.75
1076952	Soil	0.37	0.081	13.7	45.4	0.70	136.4	0.061	1	1.90	0.021	0.04	0.2	2.4	0.11	0.06	36	<0.1	0.05	6.3	1.32
1076953	Soil	0.42	0.073	17.3	54.7	0.82	180.0	0.120	3	2.52	0.014	0.04	0.4	4.1	0.17	0.04	38	0.5	0.05	7.9	2.13
1076954	Soil	0.53	0.076	10.7	38.8	0.63	108.9	0.087	2	1.38	0.028	0.05	0.4	2.2	0.09	0.05	42	<0.1	0.06	5.8	1.35
1076955	Soil	0.40	0.047	11.6	29.9	0.50	107.4	0.070	<1	1.45	0.029	0.04	0.2	2.3	0.11	0.05	45	<0.1	0.03	5.3	1.35
1076956	Soil	0.46	0.077	14.0	45.0	0.76	157.7	0.068	3	2.01	0.018	0.04	0.2	2.6	0.15	0.06	38	0.2	0.06	8.3	1.82
1076957	Soil	0.62	0.049	18.6	43.1	0.97	299.1	0.134	<1	2.35	0.025	0.08	1.4	4.0	0.22	0.04	21	<0.1	0.03	6.8	2.29
1076958	Soil	0.68	0.091	22.5	44.8	0.91	272.4	0.173	<1	2.37	0.027	0.12	0.7	7.5	0.20	<0.02	32	<0.1	0.08	6.7	3.27
1076959	Soil	0.69	0.101	22.9	55.8	0.94	318.8	0.263	3	2.50	0.027	0.18	0.3	6.8	0.34	<0.02	34	<0.1	0.07	7.5	2.81
1076960	Soil	0.53	0.069	12.9	31.3	0.37	110.0	0.061	1	1.23	0.037	0.04	0.2	1.7	0.11	0.08	53	0.3	0.03	4.6	0.90
1076961	Soil	0.59	0.064	23.7	48.6	0.88	337.4	0.216	3	2.55	0.021	0.16	0.3	5.6	0.37	<0.02	27	<0.1	0.05	7.4	3.07
1076962	Soil	0.60	0.059	24.8	51.2	0.92	347.4	0.223	1	2.54	0.023	0.18	0.3	6.2	0.38	<0.02	23	0.2	0.06	7.0	3.08
1076963	Soil	0.50	0.090	17.5	44.1	0.60	202.2	0.062	<1	1.74	0.027	0.04	0.2	3.0	0.16	0.11	49	0.5	0.05	5.1	1.53
1076964	Soil	0.65	0.049	10.6	45.4	0.72	187.4	0.137	2	1.90	0.021	0.08	0.2	3.4	0.11	0.06	32	<0.1	0.03	6.5	2.36



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Report Date: August 01, 2011

Page: 3 of 8 Part 3

CERTIFICATE OF ANALYSIS

WHI11000224.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1075303	Soil	<0.1	0.07	1.72	23.5	0.7	<0.05	4.7	6.04	27.3	0.03	<1	0.3	19.4	<10	<2	11.2
1075304	Soil	<0.1	0.13	1.12	21.9	1.0	<0.05	6.2	6.44	28.9	0.03	<1	0.5	17.1	<10	<2	6.3
1075305	Soil	<0.1	0.10	1.40	10.9	0.7	<0.05	5.6	5.67	21.3	0.03	<1	0.5	18.8	<10	<2	9.9
1075306	Soil	<0.1	0.03	1.27	15.0	0.7	<0.05	2.1	4.03	17.9	<0.02	<1	0.4	11.9	<10	<2	19.7
1075307	Soil	<0.1	0.05	1.40	12.4	0.9	<0.05	2.8	4.60	22.2	0.03	<1	0.4	16.3	<10	<2	16.6
1075308	Soil	<0.1	<0.02	1.04	7.7	0.7	<0.05	1.5	5.14	19.7	0.05	<1	0.3	11.1	<10	<2	15.2
1075309	Soil	<0.1	0.03	1.13	11.6	0.7	<0.05	2.0	4.77	18.7	0.03	<1	0.7	9.7	<10	<2	15.5
1075310	Soil	<0.1	0.02	0.80	16.6	0.7	<0.05	1.0	8.73	44.6	<0.02	<1	0.3	28.6	<10	<2	8.3
1075311	Soil	<0.1	0.05	1.34	13.8	0.9	<0.05	3.4	4.58	20.0	<0.02	<1	1.0	9.1	<10	<2	20.0
1075312	Soil	<0.1	0.08	2.40	27.2	1.1	<0.05	4.8	13.52	48.8	<0.02	<1	0.7	13.5	<10	<2	21.4
1075313	Soil	<0.1	0.07	1.72	19.4	1.0	<0.05	4.1	6.31	27.1	0.04	<1	1.1	19.7	<10	<2	12.7
1075314	Soil	<0.1	0.07	1.51	11.4	1.6	<0.05	4.0	9.35	28.0	0.03	<1	1.0	16.7	<10	<2	15.3
1075315	Soil	<0.1	0.13	1.62	9.9	1.8	<0.05	6.8	14.25	33.0	0.03	<1	0.6	12.7	<10	<2	13.7
1075316	Soil	<0.1	0.05	1.40	11.1	0.8	<0.05	3.8	8.24	32.9	0.03	<1	0.9	16.5	<10	<2	12.3
1076849	Soil	<0.1	0.03	1.14	12.7	0.8	<0.05	1.9	7.74	29.6	0.03	<1	0.2	11.7	<10	<2	15.5
1076850 GS-1 STD	Soil	<0.1	<0.02	0.70	15.3	0.6	<0.05	1.1	8.46	42.4	<0.02	<1	0.2	28.4	<10	<2	7.7
1076951	Soil	<0.1	0.08	1.11	11.5	1.1	<0.05	4.9	10.77	34.9	0.03	<1	1.0	11.2	<10	<2	8.2
1076952	Soil	<0.1	<0.02	0.90	8.5	0.6	<0.05	1.3	6.42	22.9	<0.02	<1	0.6	11.5	<10	<2	17.9
1076953	Soil	<0.1	0.05	1.72	9.8	0.8	<0.05	4.0	7.67	30.7	0.03	<1	1.0	14.9	<10	3	13.9
1076954	Soil	<0.1	0.05	1.26	10.9	0.8	<0.05	3.1	4.62	18.8	0.03	<1	0.6	11.7	<10	<2	16.0
1076955	Soil	<0.1	0.03	1.04	6.8	0.7	<0.05	2.1	5.25	20.3	0.02	<1	0.9	9.7	<10	<2	16.8
1076956	Soil	<0.1	<0.02	1.14	11.5	0.7	<0.05	1.5	6.80	24.5	0.03	<1	1.7	13.6	<10	<2	17.6
1076957	Soil	<0.1	0.06	1.54	20.3	1.6	<0.05	3.6	7.17	39.5	<0.02	<1	0.1	17.4	<10	<2	11.5
1076958	Soil	<0.1	0.13	0.52	24.0	0.8	<0.05	8.7	15.62	31.7	0.06	<1	0.5	14.0	<10	<2	6.4
1076959	Soil	<0.1	0.17	1.29	34.5	1.3	<0.05	9.7	11.82	35.0	0.03	<1	0.5	23.9	<10	<2	7.3
1076960	Soil	<0.1	0.03	0.89	5.6	0.5	<0.05	1.9	5.79	20.4	<0.02	<1	0.1	5.4	<10	<2	20.4
1076961	Soil	<0.1	0.13	1.14	33.3	2.0	<0.05	6.6	10.62	35.2	0.03	<1	0.9	22.3	<10	<2	7.1
1076962	Soil	<0.1	0.13	1.00	35.6	1.1	<0.05	8.3	10.81	38.4	0.03	<1	0.5	21.8	<10	<2	6.7
1076963	Soil	<0.1	0.02	0.94	9.6	1.2	<0.05	1.7	8.27	28.6	0.03	<1	0.5	10.1	<10	<2	25.7
1076964	Soil	<0.1	0.05	1.89	15.2	0.7	<0.05	3.2	4.17	22.0	<0.02	<1	0.8	15.0	<10	<2	16.0



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Report Date:

August 01, 2011

Page:

4 of 8

Part 1

CERTIFICATE OF ANALYSIS

WHI11000224.1

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0	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
1076965	Soil	210.0	970.0	1.19	19.14	9.02	63.9	50	27.1	16.4	679	3.54	6.6	3.1	2.1	11.3	46.6	0.13	0.39	0.17	75
1076966	Soil	315.0	1405	0.50	11.99	3.64	23.6	31	12.8	5.3	214	1.20	4.0	1.5	1.4	2.6	9.9	0.04	0.17	0.05	26
1076967	Soil	390.0	1090	1.97	26.50	13.54	64.3	80	34.3	13.9	533	3.22	10.2	2.2	1.9	3.6	28.8	0.15	0.70	0.18	71
1076968	Soil	280.0	1105	1.77	26.38	11.59	72.7	93	33.8	16.3	785	3.46	8.9	1.9	1.8	3.8	35.3	0.14	0.62	0.17	77
1076969	Soil	651.0	1690	0.90	39.23	62.17	95.3	121	34.2	14.6	325	3.30	7.9	1.8	2.5	8.4	32.3	0.24	0.91	0.38	67
1076970 GS-1 STD	Soil	N.A.	N.A.	0.81	24.43	10.43	53.3	40	32.7	13.5	507	2.96	4.2	1.7	0.5	9.2	101.0	0.05	0.20	0.24	16
1076971	Soil	540.0	1356	1.40	36.72	9.76	66.7	57	43.1	16.3	740	3.52	8.2	3.1	4.1	6.5	38.8	0.08	0.55	0.13	81
1076972	Soil	405.0	1090	1.86	36.25	12.66	71.8	110	40.8	17.8	821	3.88	9.2	6.2	2.5	4.6	38.1	0.20	0.66	0.16	86
1076973	Soil	580.0	1465	1.15	30.20	9.99	64.7	51	31.9	14.1	620	3.21	6.5	3.4	7.8	9.7	50.7	0.14	0.45	0.18	78
1076974	Soil	140.0	745.0	1.94	20.65	10.35	69.0	52	27.6	13.8	763	3.07	14.2	6.6	11.6	9.0	43.9	0.17	0.58	0.13	67
1076975	Soil	230.0	1065	1.48	20.34	10.43	65.0	43	27.9	12.5	714	3.30	10.4	5.2	9.3	12.7	24.8	0.17	0.47	0.12	68
1076976	Soil	90.00	225.0	2.89	22.30	8.76	56.5	128	22.4	11.5	475	2.78	13.1	1.7	5.0	2.3	23.3	0.31	0.46	0.15	58
1076977	Soil	135.0	425.0	1.36	31.84	7.51	120.0	104	34.5	14.8	775	2.71	8.4	0.9	2.9	1.1	29.8	0.43	0.53	0.13	51
1076978	Soil	95.00	635.0	4.22	24.71	8.50	66.5	104	23.3	11.1	559	2.64	7.3	2.0	3.6	1.6	31.4	0.31	0.47	0.12	52
1076979	Soil	110.0	365.0	1.60	14.06	5.81	37.0	95	13.2	5.5	155	2.02	6.0	0.7	2.7	0.6	16.9	0.08	0.39	0.08	43
1076525	Soil	575.0	1675	1.10	31.97	7.76	59.8	50	29.3	11.7	348	3.10	6.3	1.4	7.2	4.3	28.3	0.07	0.41	0.12	66
1076526	Soil	610.0	1925	4.03	36.39	7.74	55.4	72	28.6	11.5	354	3.05	6.3	1.4	35.7	4.1	23.7	0.07	0.36	0.18	65
1076527	Soil	495.0	1515	1.57	33.04	9.32	67.3	90	31.6	15.5	694	3.34	9.4	1.0	6.4	1.9	22.6	0.15	0.49	0.13	67
1076528	Soil	385.0	1150	1.42	21.27	6.71	53.3	55	27.0	11.5	484	2.93	7.5	0.8	3.4	2.1	20.3	0.14	0.34	0.10	62
1076529	Soil	370.0	1135	2.70	36.59	7.57	57.6	78	27.2	11.2	387	3.00	6.6	1.4	5.7	3.0	21.6	0.09	0.36	0.20	62
1076530 GS-1 STD	Soil	N.A.	N.A.	0.76	22.14	8.94	52.1	36	28.3	11.6	417	2.72	4.2	1.4	1.1	7.0	80.3	0.07	0.17	0.15	13
1076531	Soil	590.0	1100	2.22	53.95	8.05	51.1	159	25.0	11.1	305	2.95	7.3	2.1	7.9	3.3	21.4	0.07	0.49	0.78	54
1076532	Soil	690.0	1480	1.99	40.09	11.77	61.8	153	34.6	14.9	518	3.64	12.6	1.6	7.5	3.8	30.5	0.07	0.57	0.23	69
1076533	Soil	450.0	505.0	2.68	41.41	8.57	81.6	153	37.4	16.0	615	3.43	11.9	2.0	4.5	1.3	28.7	0.27	0.64	0.13	67
1076534	Soil	495.0	540.0	1.26	34.09	7.42	51.8	44	32.4	11.1	295	3.23	7.5	1.3	6.3	3.2	28.9	0.08	0.39	0.09	69
1076535	Soil	730.0	1415	1.17	26.80	7.12	54.9	54	28.4	12.9	342	2.95	6.4	0.9	5.3	3.5	25.5	0.12	0.32	0.07	64
1076536	Soil	750.0	1345	2.04	28.82	10.17	68.8	101	29.6	13.2	463	3.37	10.2	1.6	3.9	3.0	22.4	0.17	0.51	0.12	65
1076537	Soil	400.0	445.0	5.92	23.46	5.57	46.2	118	22.9	9.7	355	2.15	6.2	1.3	4.3	0.9	32.5	0.10	0.47	0.08	42
1076538	Soil	455.0	480.0	3.59	24.92	8.30	67.3	154	25.7	17.2	961	3.04	9.0	0.7	3.5	0.6	31.7	0.13	0.57	0.11	60
1076539	Soil	690.0	975.0	1.46	23.72	7.48	57.6	64	27.1	14.8	469	3.26	8.2	1.8	7.2	4.0	28.7	0.11	0.44	0.13	66



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Project: 210800
Report Date: August 01, 2011

Page: 4 of 8 Part 2

CERTIFICATE OF ANALYSIS

WHI11000224.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.01	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
1076965	Soil	0.64	0.041	18.7	34.9	0.82	217.1	0.169	3	2.14	0.030	0.11	0.2	3.8	0.29	0.03	19	<0.1	0.02	6.2
1076966	Soil	0.13	0.021	7.5	15.2	0.29	59.9	0.043	<1	0.87	0.006	0.03	<0.1	1.6	0.05	<0.02	10	0.2	<0.02	2.1
1076967	Soil	0.40	0.070	14.4	49.3	0.77	138.2	0.094	3	2.19	0.015	0.06	0.1	3.1	0.16	0.04	35	0.1	0.05	7.3
1076968	Soil	0.49	0.082	14.4	46.2	0.80	173.7	0.111	<1	2.06	0.021	0.06	0.1	3.4	0.18	0.05	24	0.1	0.03	7.4
1076969	Soil	0.49	0.044	14.6	39.4	0.85	195.9	0.081	<1	3.08	0.011	0.06	0.3	4.5	0.19	0.02	30	<0.1	<0.02	6.7
1076970 GS-1 STD	Soil	3.78	0.041	25.1	27.2	1.10	76.8	0.043	<1	1.18	0.022	0.22	<0.1	2.3	0.11	0.03	14	<0.1	0.03	3.7
1076971	Soil	0.49	0.079	19.4	55.7	0.82	198.2	0.164	3	2.56	0.020	0.06	0.1	5.1	0.10	<0.02	29	0.3	0.04	7.5
1076972	Soil	0.46	0.063	22.0	51.3	0.80	200.3	0.116	2	2.60	0.021	0.06	<0.1	4.6	0.14	0.04	38	0.2	0.04	7.2
1076973	Soil	0.51	0.077	19.7	42.5	0.75	214.5	0.162	3	1.96	0.031	0.07	0.1	4.0	0.15	<0.02	32	<0.1	0.07	5.8
1076974	Soil	0.75	0.063	18.4	36.6	0.65	155.3	0.119	3	1.57	0.030	0.08	0.1	4.0	0.13	0.03	59	<0.1	0.02	5.6
1076975	Soil	0.50	0.049	19.8	32.1	0.78	228.5	0.100	1	1.97	0.020	0.07	0.1	3.8	0.17	0.04	33	0.2	0.04	5.2
1076976	Soil	0.43	0.039	10.4	28.2	0.45	95.6	0.053	<1	1.33	0.026	0.04	0.1	2.4	0.08	0.03	32	0.2	0.05	4.8
1076977	Soil	0.66	0.069	10.3	31.7	0.60	135.3	0.058	<1	1.29	0.038	0.05	0.1	3.0	0.08	0.03	29	0.4	<0.02	4.1
1076978	Soil	0.71	0.070	10.8	28.4	0.47	113.9	0.047	<1	1.27	0.030	0.05	0.1	2.6	0.08	0.05	60	0.6	0.05	4.3
1076979	Soil	0.28	0.041	5.3	21.2	0.31	64.2	0.046	10	0.91	0.023	0.03	0.1	1.5	0.07	0.04	25	0.3	0.04	3.7
1076525	Soil	0.44	0.059	15.4	41.4	0.77	182.0	0.099	10	2.24	0.016	0.04	0.3	5.5	0.09	<0.02	35	0.3	0.04	5.5
1076526	Soil	0.39	0.071	16.1	39.7	0.75	170.9	0.107	7	2.33	0.015	0.04	0.4	4.6	0.13	<0.02	22	0.3	0.03	5.6
1076527	Soil	0.34	0.077	11.7	39.7	0.77	167.3	0.072	<1	2.61	0.016	0.04	0.2	3.7	0.10	0.04	37	0.1	0.03	6.6
1076528	Soil	0.34	0.060	9.7	34.1	0.69	132.7	0.074	<1	1.78	0.019	0.04	0.1	2.6	0.12	0.03	17	<0.1	<0.02	5.3
1076529	Soil	0.39	0.069	11.9	35.6	0.73	129.2	0.082	3	1.99	0.015	0.04	0.5	3.5	0.12	0.02	28	0.2	0.02	5.2
1076530 GS-1 STD	Soil	3.84	0.044	17.4	20.5	1.06	61.9	0.031	3	1.15	0.020	0.20	<0.1	2.1	0.10	0.03	9	<0.1	0.03	3.1
1076531	Soil	0.35	0.073	19.9	33.6	0.77	149.5	0.059	9	2.33	0.015	0.04	0.5	4.5	0.13	<0.02	34	0.3	0.06	5.4
1076532	Soil	0.41	0.072	21.7	47.7	0.80	215.9	0.085	<1	2.67	0.016	0.05	0.7	5.7	0.14	0.02	74	0.4	0.10	6.5
1076533	Soil	0.58	0.045	10.7	39.1	0.76	117.6	0.068	<1	2.08	0.016	0.04	0.3	2.9	0.09	0.06	46	0.4	<0.02	6.0
1076534	Soil	0.42	0.060	13.4	43.8	0.75	147.5	0.104	<1	2.48	0.016	0.04	0.5	5.2	0.09	<0.02	39	0.5	0.04	5.6
1076535	Soil	0.49	0.061	11.7	41.8	0.75	147.8	0.110	<1	2.07	0.017	0.04	0.2	4.1	0.11	<0.02	31	0.2	0.02	5.3
1076536	Soil	0.42	0.066	15.5	39.3	0.80	117.1	0.076	<1	2.29	0.013	0.04	1.4	3.0	0.14	0.04	27	0.5	0.05	6.4
1076537	Soil	0.72	0.065	9.7	29.3	0.51	201.1	0.042	7	1.10	0.030	0.04	0.3	1.7	0.09	0.10	34	0.6	0.10	3.5
1076538	Soil	0.62	0.082	8.7	35.5	0.57	143.1	0.048	2	1.42	0.021	0.03	0.2	2.2	0.09	0.06	35	0.7	0.07	5.2
1076539	Soil	0.49	0.061	10.8	39.6	0.71	159.9	0.098	2	2.02	0.018	0.05	0.1	4.0	0.15	0.02	36	0.3	0.06	5.8



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Page: 4 of 8 Part 3

CERTIFICATE OF ANALYSIS

WHI11000224.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1076965	Soil	<0.1	0.05	2.05	23.5	1.1	<0.05	3.0	5.99	29.8	<0.02	<1	0.4	19.6	<10	<2	10.8
1076966	Soil	<0.1	<0.02	0.42	4.3	0.2	<0.05	1.2	3.38	11.1	<0.02	<1	0.4	4.9	<10	<2	9.8
1076967	Soil	<0.1	0.04	1.39	13.7	0.9	<0.05	2.4	5.69	26.3	0.03	<1	0.8	13.4	<10	<2	14.4
1076968	Soil	<0.1	0.04	1.56	16.6	0.8	<0.05	2.3	6.11	25.9	0.02	<1	0.4	18.1	<10	<2	14.9
1076969	Soil	<0.1	0.05	1.36	11.2	0.8	<0.05	3.0	6.07	27.0	0.05	<1	1.3	12.4	<10	<2	11.3
1076970 GS-1 STD	Soil	<0.1	<0.02	0.72	16.6	0.7	<0.05	1.0	8.83	45.0	<0.02	<1	<0.1	21.9	<10	<2	7.9
1076971	Soil	<0.1	0.08	1.22	10.9	0.7	<0.05	4.5	9.95	33.1	0.03	<1	0.4	14.2	<10	2	8.6
1076972	Soil	<0.1	0.05	1.20	11.6	0.8	<0.05	2.8	11.11	37.6	0.04	<1	0.8	12.7	<10	<2	13.0
1076973	Soil	<0.1	0.09	1.57	11.8	0.7	<0.05	5.1	8.22	33.8	0.02	<1	1.2	14.6	<10	<2	8.6
1076974	Soil	<0.1	0.09	1.92	14.7	1.0	<0.05	5.0	8.17	32.6	0.02	<1	0.4	14.3	<10	<2	15.8
1076975	Soil	<0.1	0.06	1.05	13.3	0.8	<0.05	3.2	7.19	60.6	0.04	<1	1.5	14.0	10	<2	7.6
1076976	Soil	<0.1	0.07	0.95	8.3	0.8	<0.05	2.3	4.42	19.9	0.03	1	0.7	7.7	<10	<2	15.4
1076977	Soil	<0.1	0.03	0.88	8.3	0.4	<0.05	2.1	6.41	22.2	0.03	<1	<0.1	3.1	17	<2	13.3
1076978	Soil	<0.1	0.03	0.71	8.0	0.6	<0.05	1.6	6.21	22.1	0.02	<1	2.2	8.4	<10	<2	20.7
1076979	Soil	<0.1	0.03	0.71	3.9	0.4	<0.05	1.3	2.52	10.6	<0.02	<1	<0.1	5.6	<10	<2	16.2
1076525	Soil	<0.1	0.08	0.60	7.2	0.8	<0.05	3.5	9.49	27.0	0.03	1	1.5	14.5	<10	<2	7.0
1076526	Soil	<0.1	0.06	0.82	8.1	0.5	<0.05	3.5	8.85	29.0	0.02	1	2.8	13.9	<10	<2	8.4
1076527	Soil	0.1	0.04	0.96	8.3	0.6	<0.05	2.6	6.94	27.4	0.02	<1	1.4	11.8	<10	<2	14.7
1076528	Soil	<0.1	0.05	1.05	7.6	0.4	<0.05	2.4	4.68	19.8	0.03	1	<0.1	10.4	<10	<2	13.6
1076529	Soil	0.1	0.04	0.85	8.6	0.6	<0.05	2.2	5.78	22.7	<0.02	<1	1.3	10.6	<10	<2	9.9
1076530 GS-1 STD	Soil	<0.1	<0.02	0.63	13.4	0.6	<0.05	0.8	6.88	34.1	<0.02	<1	0.7	31.3	<10	<2	8.6
1076531	Soil	<0.1	0.06	0.78	7.1	0.6	<0.05	3.0	11.46	36.5	0.03	<1	<0.1	10.7	<10	<2	10.9
1076532	Soil	<0.1	0.06	0.94	9.7	2.4	<0.05	3.5	11.76	34.9	<0.02	<1	0.8	13.5	14	<2	10.9
1076533	Soil	0.1	0.04	1.07	9.2	0.6	<0.05	2.1	5.28	33.1	0.03	<1	1.5	14.6	<10	<2	18.6
1076534	Soil	<0.1	0.08	0.79	6.7	0.7	<0.05	3.3	7.83	23.9	0.02	<1	4.5	15.8	<10	<2	7.9
1076535	Soil	<0.1	0.07	0.99	8.6	0.8	<0.05	3.5	5.93	21.9	0.02	<1	0.6	13.4	<10	<2	9.2
1076536	Soil	0.1	0.05	1.21	7.9	0.5	<0.05	2.4	6.20	27.2	0.03	3	2.0	12.8	<10	<2	15.5
1076537	Soil	<0.1	0.04	0.82	4.5	0.4	<0.05	2.3	5.26	18.6	<0.02	<1	0.7	8.1	<10	<2	27.8
1076538	Soil	<0.1	0.03	0.71	8.5	1.3	<0.05	1.4	4.57	18.1	<0.02	2	0.8	8.1	<10	3	19.8
1076539	Soil	<0.1	0.05	1.36	9.8	0.7	<0.05	2.7	5.39	22.1	0.03	2	2.1	16.2	<10	2	11.7



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Report Date:

August 01, 2011

Page:

5 of 8

Part 1

CERTIFICATE OF ANALYSIS

WHI11000224.1

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1076540	Soil	640.0	915.0	1.42	30.47	7.50	69.9	92	29.5	14.6	535	3.11	8.5	1.8	5.7	2.7	30.7	0.19	0.41	0.16
1076541	Soil	545.0	975.0	1.31	29.51	8.35	66.5	111	29.2	14.8	458	3.35	8.1	6.6	4.8	9.1	30.9	0.10	0.40	0.12
1076542	Soil	505.0	875.0	1.10	27.42	8.96	64.9	138	27.7	13.5	440	3.24	7.8	5.7	7.6	8.4	31.3	0.12	0.36	0.12
1076543	Soil	670.0	1080	1.71	27.49	7.98	63.5	109	30.8	13.5	495	3.23	8.5	1.2	4.5	1.5	28.4	0.07	0.40	0.11
1076544	Soil	610.0	1920	0.97	29.89	6.92	58.1	62	28.7	12.8	427	2.89	5.7	1.4	6.5	7.0	33.1	0.09	0.34	0.08
1076545	Soil	440.0	1545	1.61	18.08	6.68	49.5	76	15.6	24.5	2029	3.21	5.6	1.6	4.4	14.1	23.3	0.15	0.36	0.08
1076546	Soil	775.0	1420	1.07	29.55	7.83	59.2	54	31.5	13.9	387	2.99	5.8	1.4	5.6	3.9	26.6	0.06	0.34	0.07
1076547	Soil	460.0	1350	7.61	33.84	8.46	70.0	102	32.2	14.1	694	3.52	7.6	14.7	8.4	10.6	27.4	0.13	0.39	0.12
1076548	Soil	670.0	800.0	1.44	23.91	19.37	68.8	50	30.1	13.6	360	3.16	7.5	1.0	2.3	5.2	22.1	0.21	0.48	0.10
1076549	Soil	850.0	1995	1.13	31.31	7.76	76.4	89	32.7	12.7	480	3.30	8.0	7.3	5.0	10.4	30.7	0.13	0.43	0.08
1076550 GS-1 STD	Soil	N.A.	N.A.	0.80	23.78	8.73	52.5	31	27.2	12.3	422	2.76	4.3	1.4	1.5	7.1	78.1	0.06	0.16	0.14
1075001	Soil	625.0	1075	2.47	17.37	22.58	64.1	227	21.1	9.2	193	2.78	6.8	2.1	5.4	4.1	24.6	0.14	0.40	0.83
1075002	Soil	510.0	855.0	2.86	20.41	17.46	64.3	249	18.2	11.3	338	2.72	6.8	2.1	4.8	3.2	28.7	0.14	0.40	0.64
1075003	Soil	610.0	1135	3.67	48.19	31.50	68.2	374	28.4	20.2	1166	3.31	8.3	6.8	6.0	6.1	26.7	0.28	0.51	1.63
1075004	Soil	935.0	2050	2.36	37.83	17.90	61.9	288	23.4	12.8	544	2.81	6.5	3.6	7.6	5.2	26.7	0.27	0.35	1.37
1075005	Soil	495.0	580.0	1.91	17.20	5.16	33.2	95	12.3	8.4	328	1.95	6.1	1.4	3.3	0.7	24.3	0.07	0.43	0.29
1075006	Soil	760.0	1330	3.49	40.45	9.39	58.7	168	26.3	15.2	554	3.22	9.6	3.8	3.9	4.6	27.6	0.09	0.70	0.75
1075007	Soil	615.0	1945	4.08	28.61	10.28	74.8	131	24.1	14.3	661	3.02	9.7	3.4	5.2	5.0	36.8	0.22	0.71	1.71
1075008	Soil	780.0	1180	4.37	79.15	16.39	61.4	100	24.6	12.3	482	2.97	8.2	1.1	11.8	5.0	34.4	0.24	1.11	9.63
1075009	Soil	950.0	1635	2.98	37.82	9.79	60.5	289	27.9	14.6	603	3.21	9.6	3.0	3.4	5.6	29.6	0.16	0.51	0.90
1075010 GS-1 STD	Soil	N.A.	N.A.	0.67	20.64	8.71	52.6	37	24.8	12.0	423	2.69	4.4	1.4	0.9	7.4	85.3	0.05	0.19	0.26
1075011	Soil	920.0	1605	2.12	42.29	11.10	59.4	181	25.4	11.9	397	2.88	6.4	3.9	2.5	8.9	40.5	0.19	0.48	0.85
1075012	Soil	640.0	2900	2.75	49.21	26.77	70.1	345	27.1	12.8	864	2.88	7.8	3.3	5.3	7.7	38.4	1.01	0.41	1.68
1075013	Soil	660.0	1990	8.36	145.2	100.6	77.0	4010	25.7	11.3	395	2.97	12.0	2.9	2.8	4.0	25.4	1.42	0.96	5.00
1075014	Soil	825.0	1960	3.87	25.79	16.18	67.3	257	27.4	12.4	370	3.25	9.4	1.7	2.5	3.0	24.2	0.16	0.55	0.68
1075015	Soil	695.0	1810	1.45	28.68	13.12	77.2	178	26.2	15.2	692	3.33	6.6	3.7	1.7	10.2	28.9	0.26	0.46	0.50
1075016	Soil	525.0	1855	1.42	28.61	13.13	71.8	184	28.2	13.9	828	3.15	8.3	2.2	3.1	6.0	27.8	0.26	0.46	0.45
1075017	Soil	1155	2695	0.96	31.50	10.49	57.7	138	25.8	11.2	483	2.74	5.4	2.7	2.6	8.0	31.3	0.22	0.29	0.27
1075018	Soil	730.0	1520	1.56	30.92	8.42	65.1	96	37.1	14.9	773	3.38	8.9	1.2	1.9	2.0	33.8	0.15	0.57	0.19
1075019	Soil	555.0	1560	2.31	29.07	11.27	75.4	141	34.3	18.5	998	3.87	11.6	2.1	1.7	2.2	30.4	0.17	0.80	0.20



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Project: 210800
Report Date: August 01, 2011

Page: 5 of 8 Part 2

CERTIFICATE OF ANALYSIS

WHI11000224.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1076540	Soil	0.61	0.049	9.4	38.0	0.72	163.5	0.082	5	1.88	0.022	0.04	0.2	2.8	0.09	0.04	37	0.2	0.09	5.8	1.57
1076541	Soil	0.58	0.086	26.0	39.2	0.80	190.6	0.136	<1	2.01	0.023	0.06	0.2	4.3	0.19	0.02	54	0.3	0.11	6.1	2.58
1076542	Soil	0.62	0.077	21.7	36.1	0.78	181.3	0.133	3	1.97	0.023	0.06	0.2	4.5	0.17	0.03	45	0.6	0.11	5.9	2.44
1076543	Soil	0.47	0.077	11.1	41.8	0.75	179.6	0.069	5	2.13	0.018	0.04	0.1	2.6	0.13	0.05	42	0.4	0.07	6.0	1.34
1076544	Soil	0.49	0.070	16.8	43.3	0.73	200.9	0.130	3	1.92	0.023	0.06	0.1	4.9	0.18	<0.02	32	0.3	0.03	5.0	1.93
1076545	Soil	0.74	0.115	24.0	28.2	0.70	164.1	0.158	13	1.46	0.017	0.06	0.2	2.6	0.19	0.05	37	0.2	0.05	5.3	2.63
1076546	Soil	0.40	0.052	11.0	41.3	0.73	156.4	0.110	16	2.34	0.016	0.05	0.2	4.6	0.11	<0.02	42	0.3	0.10	6.1	1.18
1076547	Soil	0.56	0.079	26.7	47.7	0.82	205.9	0.151	8	2.23	0.022	0.10	0.7	5.4	0.25	0.03	52	0.4	0.06	6.0	2.32
1076548	Soil	0.38	0.049	10.7	37.0	0.73	119.6	0.120	6	1.89	0.018	0.04	0.1	2.8	0.15	0.02	20	0.2	0.09	5.8	1.76
1076549	Soil	0.61	0.084	22.3	44.9	0.81	213.0	0.139	6	2.28	0.022	0.07	0.1	5.6	0.23	<0.02	31	0.5	0.06	6.2	2.22
1076550 GS-1 STD	Soil	3.88	0.037	18.1	23.0	1.08	60.6	0.033	1	1.19	0.021	0.20	0.1	2.2	0.10	0.03	7	0.5	0.08	3.1	0.94
1075001	Soil	0.50	0.053	10.0	36.5	0.69	96.7	0.074	7	1.71	0.017	0.04	0.3	3.2	0.13	0.04	43	0.2	0.06	6.2	1.51
1075002	Soil	0.60	0.056	9.5	37.0	0.61	94.3	0.072	10	1.48	0.022	0.04	0.4	3.2	0.11	0.05	34	0.3	0.04	5.5	1.35
1075003	Soil	0.47	0.066	24.1	42.7	0.68	138.5	0.076	13	2.01	0.018	0.05	0.7	5.1	0.16	0.04	57	0.7	0.10	5.6	1.65
1075004	Soil	0.56	0.038	14.9	32.0	0.64	103.6	0.099	<1	1.48	0.024	0.06	1.1	3.5	0.11	0.03	33	0.3	0.13	4.5	1.52
1075005	Soil	0.47	0.054	8.4	19.0	0.30	73.5	0.042	2	0.90	0.023	0.04	0.1	1.7	0.06	0.06	49	0.2	0.10	3.0	0.68
1075006	Soil	0.42	0.060	18.8	37.1	0.67	148.6	0.074	3	2.01	0.018	0.05	0.4	4.3	0.14	0.04	54	0.4	0.10	5.1	1.47
1075007	Soil	0.70	0.061	12.3	31.4	0.67	123.5	0.079	2	1.62	0.018	0.09	0.8	3.6	0.14	0.04	44	0.1	0.09	5.3	1.66
1075008	Soil	0.43	0.036	10.2	32.7	0.69	111.8	0.089	2	1.70	0.018	0.05	1.0	3.6	0.12	<0.02	29	<0.1	0.27	5.0	2.45
1075009	Soil	0.41	0.047	15.4	34.3	0.71	134.4	0.097	2	1.98	0.020	0.08	0.9	3.8	0.14	0.03	38	0.2	0.09	5.4	1.49
1075010 GS-1 STD	Soil	3.85	0.042	18.9	20.0	1.04	70.0	0.031	1	1.27	0.019	0.22	<0.1	2.1	0.11	0.03	6	<0.1	0.05	3.4	0.97
1075011	Soil	0.57	0.050	22.3	35.6	0.73	164.8	0.117	3	1.84	0.030	0.10	0.8	5.5	0.16	<0.02	45	0.2	0.05	5.1	1.87
1075012	Soil	0.55	0.074	23.6	33.7	0.63	192.1	0.130	2	1.60	0.025	0.10	1.8	4.7	0.18	<0.02	27	0.4	0.06	4.7	2.11
1075013	Soil	0.41	0.054	12.5	33.9	0.68	118.5	0.090	2	2.03	0.016	0.05	0.5	3.8	0.10	0.02	43	0.4	0.09	5.0	1.63
1075014	Soil	0.41	0.055	9.3	35.4	0.73	131.7	0.074	2	2.02	0.013	0.05	0.1	3.4	0.11	0.04	43	<0.1	0.08	5.9	1.55
1075015	Soil	0.55	0.080	19.6	35.4	0.75	190.9	0.109	2	2.00	0.020	0.07	0.2	5.6	0.14	0.02	41	0.3	0.05	5.8	1.83
1075016	Soil	0.48	0.058	13.0	38.0	0.74	135.3	0.092	2	1.82	0.020	0.05	0.1	4.1	0.10	0.03	39	0.2	0.02	6.1	1.79
1075017	Soil	0.61	0.071	14.8	33.1	0.70	105.1	0.110	2	1.42	0.032	0.05	0.2	4.5	0.07	<0.02	27	0.2	0.08	4.4	1.48
1075018	Soil	0.62	0.061	10.1	37.3	0.74	152.2	0.074	2	1.93	0.021	0.05	0.1	4.0	0.08	0.04	33	0.4	0.04	5.4	2.57
1075019	Soil	0.53	0.092	16.2	39.5	0.80	157.4	0.049	2	2.28	0.014	0.05	0.2	4.1	0.11	0.06	43	0.4	0.07	6.6	2.14



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Project: 210800

Report Date: August 01, 2011

Page: 5 of 8 Part 3

CERTIFICATE OF ANALYSIS

WHI11000224.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1076540	Soil	<0.1	0.06	1.13	10.1	1.2	<0.05	2.3	4.30	24.2	0.03	<1	3.0	15.9	<10	4	14.6
1076541	Soil	<0.1	0.09	1.83	13.1	0.7	<0.05	4.2	9.92	38.9	0.03	2	2.1	23.2	<10	<2	11.8
1076542	Soil	0.1	0.07	1.70	12.4	1.9	<0.05	4.5	8.49	34.9	0.03	4	4.7	20.1	<10	3	12.4
1076543	Soil	<0.1	0.04	0.99	8.8	0.5	<0.05	2.2	5.10	21.5	0.03	3	2.7	14.0	<10	3	15.3
1076544	Soil	<0.1	0.08	0.83	13.1	1.0	<0.05	3.9	9.07	30.9	0.03	3	1.4	11.7	<10	<2	6.1
1076545	Soil	<0.1	0.03	2.23	10.7	0.7	<0.05	2.4	9.02	53.3	<0.02	<1	2.1	17.3	<10	4	16.0
1076546	Soil	<0.1	0.05	1.02	8.4	1.0	<0.05	3.6	5.82	22.3	<0.02	<1	3.6	16.7	<10	<2	9.5
1076547	Soil	<0.1	0.10	1.71	21.4	1.0	<0.05	5.4	10.56	39.9	0.04	<1	2.0	19.3	<10	2	10.8
1076548	Soil	<0.1	0.08	1.63	9.8	1.0	<0.05	4.1	4.89	27.0	0.03	2	2.0	16.3	<10	<2	11.3
1076549	Soil	<0.1	0.08	1.52	16.1	0.8	<0.05	4.9	8.83	36.7	0.03	<1	1.4	22.1	<10	<2	9.9
1076550 GS-1 STD	Soil	<0.1	0.02	0.63	13.7	0.7	<0.05	0.8	7.06	35.0	<0.02	2	0.7	33.1	<10	2	8.4
1075001	Soil	0.2	0.05	1.55	7.1	1.1	<0.05	2.3	3.35	18.5	0.02	<1	2.2	18.8	<10	<2	15.6
1075002	Soil	<0.1	0.04	1.49	6.9	0.7	<0.05	2.5	3.64	17.4	<0.02	2	2.2	16.2	<10	<2	18.5
1075003	Soil	<0.1	0.05	1.24	9.3	0.9	<0.05	3.0	11.72	46.3	0.02	<1	2.3	15.2	<10	<2	17.5
1075004	Soil	0.1	0.08	1.20	8.7	0.6	<0.05	3.3	6.24	27.3	0.02	<1	1.4	11.8	<10	3	11.2
1075005	Soil	<0.1	0.02	0.63	6.0	0.6	<0.05	1.6	4.31	16.0	0.02	<1	0.3	5.7	<10	<2	19.2
1075006	Soil	<0.1	0.05	1.29	10.5	0.6	<0.05	3.1	8.48	37.5	0.02	<1	0.6	14.1	<10	<2	16.4
1075007	Soil	<0.1	0.04	1.36	13.6	1.0	<0.05	2.6	4.71	31.4	0.04	<1	0.2	14.2	<10	<2	15.9
1075008	Soil	<0.1	0.08	1.18	8.6	0.6	<0.05	4.1	3.79	25.5	<0.02	<1	0.3	12.8	<10	<2	9.7
1075009	Soil	<0.1	0.06	1.37	11.2	0.8	<0.05	3.5	5.82	35.0	<0.02	<1	0.4	13.3	<10	<2	11.3
1075010 GS-1 STD	Soil	<0.1	0.03	0.63	14.9	0.6	<0.05	0.9	7.42	38.1	<0.02	1	0.4	30.0	<10	<2	8.4
1075011	Soil	<0.1	0.13	1.47	14.0	0.7	<0.05	7.6	10.43	40.1	<0.02	<1	0.4	13.2	<10	<2	8.8
1075012	Soil	0.1	0.09	1.02	16.9	1.0	<0.05	5.4	11.15	45.6	<0.02	<1	0.3	13.1	<10	<2	5.7
1075013	Soil	<0.1	0.08	1.09	7.3	1.2	<0.05	4.9	5.80	24.9	0.03	<1	0.5	13.3	<10	<2	10.8
1075014	Soil	<0.1	0.04	1.11	9.1	0.6	<0.05	2.5	4.27	19.6	0.02	<1	0.4	14.7	<10	<2	14.2
1075015	Soil	<0.1	0.06	1.34	13.4	2.7	<0.05	4.1	9.18	37.9	0.02	<1	0.4	18.0	<10	<2	10.2
1075016	Soil	<0.1	0.07	1.19	9.5	0.6	<0.05	3.1	5.73	26.6	<0.02	<1	0.4	17.1	<10	<2	13.8
1075017	Soil	<0.1	0.08	0.73	7.1	1.3	<0.05	5.0	7.80	29.2	<0.02	<1	0.4	12.5	<10	<2	5.8
1075018	Soil	<0.1	0.04	0.86	10.0	0.5	<0.05	1.9	6.09	30.4	0.02	<1	0.6	13.6	<10	<2	13.8
1075019	Soil	<0.1	0.03	0.69	11.7	4.4	<0.05	1.1	9.66	48.6	0.02	<1	0.7	17.5	<10	<2	18.6



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Project: 210800
Report Date: August 01, 2011

Page: 6 of 8 Part 1

CERTIFICATE OF ANALYSIS

WHI11000224.1

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1075020	Soil	825.0	2065	1.90	28.83	16.91	67.6	112	25.8	13.6	483	3.69	6.4	1.4	3.9	9.2	25.2	0.19	0.49	0.42
1075021	Soil	680.0	1290	2.60	23.95	12.17	73.5	129	28.3	15.9	694	3.55	13.6	2.5	1.9	2.5	26.9	0.29	0.63	0.19
1075022	Soil	605.0	1400	2.21	21.06	11.42	62.3	116	26.4	14.7	636	3.42	11.7	2.1	3.1	2.3	23.6	0.28	0.56	0.18
1075023	Soil	420.0	2405	2.01	29.72	12.62	80.4	97	28.3	14.9	633	3.68	9.0	2.1	3.7	5.9	28.5	0.23	0.50	0.56
1075024	Soil	560.0	1965	1.51	28.10	10.81	68.1	82	24.5	13.0	876	2.97	6.9	1.9	2.2	6.5	27.3	0.25	0.43	0.37
1075025	Soil	540.0	2840	1.20	41.23	10.49	68.7	134	32.5	13.2	707	3.33	6.4	2.2	1.9	8.8	42.5	0.29	0.50	0.25
1075026	Soil	570.0	2500	1.26	28.80	18.14	66.9	207	26.3	11.9	552	3.57	6.2	4.4	2.6	13.2	29.8	0.13	0.50	0.31
1075027	Soil	430.0	3350	1.24	44.91	42.49	74.1	1010	25.7	13.1	430	3.58	6.5	2.2	6.7	15.6	33.9	0.34	0.39	3.03
1075028	Soil	550.0	2475	1.61	39.42	12.98	81.9	115	27.4	16.8	343	4.54	3.3	4.4	2.7	10.6	36.6	0.37	0.56	0.29
1075317	Soil	595.0	2340	0.77	32.70	6.89	49.2	69	20.1	12.6	373	2.97	6.5	2.3	1.6	8.2	73.2	0.05	0.47	0.11
1075318	Soil	595.0	1085	0.49	35.19	6.82	50.7	76	24.5	13.1	497	3.09	5.9	1.8	3.1	4.8	38.6	0.05	0.33	0.11
1075319	Soil	635.0	1145	0.96	32.46	6.07	58.1	105	21.4	13.3	446	2.64	6.1	2.7	4.3	4.8	68.7	0.14	0.42	0.09
1075320	Soil	390.0	1385	1.46	29.75	6.57	51.6	139	19.5	10.6	373	2.56	7.4	2.3	3.7	2.4	54.1	0.10	0.51	0.14
1075321	Soil	715.0	1345	0.71	36.78	8.96	61.4	84	27.0	13.0	213	2.53	4.2	2.4	2.8	5.1	63.1	0.09	0.52	0.14
1075322	Soil	660.0	1180	0.81	39.42	10.91	71.6	85	29.4	14.0	248	2.74	4.4	2.6	3.4	5.9	73.0	0.11	0.58	0.15
1075323	Soil	715.0	2770	0.68	40.98	8.07	54.7	51	25.1	12.5	366	3.02	4.5	1.1	2.5	5.5	77.2	0.08	0.32	0.17
1075324	Soil	540.0	1930	0.75	39.88	7.36	60.6	70	25.7	14.4	368	3.17	4.8	1.2	1.4	3.8	43.0	0.19	0.47	0.13
1075325	Soil	760.0	1350	1.17	38.05	7.52	63.2	108	29.2	12.6	284	3.17	7.8	1.5	4.4	2.0	30.2	0.08	0.57	0.26
1075326	Soil	905.0	1335	1.25	32.27	6.89	67.0	80	28.7	14.3	491	3.19	9.3	1.1	5.9	1.9	30.4	0.12	0.47	0.82
1075327	Soil	770.0	1340	1.15	29.97	6.72	63.3	75	29.1	12.2	279	2.90	7.4	1.7	2.8	3.3	27.5	0.10	0.51	0.13
1075328	Soil	625.0	1605	0.81	42.70	8.54	65.8	122	29.1	12.7	408	3.26	6.1	3.1	3.4	6.8	39.5	0.18	0.58	0.17
1075329	Soil	695.0	1480	0.64	35.54	8.60	65.6	131	29.5	15.1	354	3.31	6.8	2.2	12.8	7.6	33.0	0.18	0.66	0.16
1075330 GS-1 STD	Soil	N.A.	N.A.	0.58	18.89	8.63	47.3	29	24.0	10.9	400	2.51	3.7	1.4	0.4	7.1	87.8	0.06	0.19	0.21
1075331	Soil	545.0	1365	0.85	32.73	8.98	65.4	104	27.3	11.6	235	3.00	5.8	1.9	3.8	5.5	34.8	0.18	0.76	0.15
1075332	Soil	605.0	1450	0.77	35.47	9.17	69.0	114	32.3	15.4	376	3.47	4.9	1.5	2.9	7.0	36.7	0.12	0.50	0.17
1075333	Soil	580.0	1400	1.11	34.87	7.56	75.0	99	46.2	19.3	591	3.92	7.6	1.3	3.0	6.1	39.1	0.09	0.56	0.15
1075334	Soil	365.0	1380	1.38	33.86	7.51	67.6	205	27.8	15.3	639	2.96	8.5	2.8	4.3	3.7	45.4	0.29	0.66	0.16
1075335	Soil	895.0	1620	0.75	35.69	6.91	63.6	76	31.0	15.4	423	3.38	5.3	2.0	3.3	7.6	43.2	0.14	0.50	0.11
1075336	Soil	780.0	995.0	1.29	33.95	7.89	74.1	153	30.6	14.6	524	3.07	10.7	2.8	6.7	4.1	44.6	0.18	0.69	0.88
1075337	Soil	670.0	820.0	1.36	30.52	8.27	87.9	101	34.0	15.8	538	3.46	10.2	1.4	1.3	2.5	35.7	0.25	0.61	0.17



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Report Date:

August 01, 2011

Page:

6 of 8

Part 2

CERTIFICATE OF ANALYSIS

WHI11000224.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.01	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
1075020	Soil	0.42	0.034	11.9	38.8	0.81	192.0	0.152	2	2.48	0.017	0.11	0.3	5.7	0.18	<0.02	20	0.2	0.06	6.4
1075021	Soil	0.45	0.062	18.1	40.3	0.76	130.3	0.067	2	2.00	0.015	0.06	0.2	4.3	0.10	0.04	30	0.3	0.05	5.7
1075022	Soil	0.40	0.057	16.0	35.3	0.73	119.2	0.058	2	1.92	0.014	0.05	0.2	3.8	0.11	0.04	30	0.3	0.07	5.2
1075023	Soil	0.57	0.065	13.9	37.8	0.89	202.8	0.100	2	2.08	0.015	0.11	0.3	5.7	0.13	0.04	14	0.2	0.06	6.8
1075024	Soil	0.60	0.056	15.3	31.7	0.68	182.5	0.068	1	1.68	0.016	0.08	0.2	4.4	0.10	0.04	30	0.2	0.05	5.2
1075025	Soil	0.63	0.085	20.4	45.9	0.76	259.5	0.124	2	2.04	0.030	0.11	0.2	8.2	0.12	<0.02	32	0.3	0.04	5.7
1075026	Soil	0.53	0.071	27.3	36.4	0.66	173.3	0.092	1	1.88	0.020	0.10	0.3	8.9	0.10	<0.02	68	0.2	0.02	5.1
1075027	Soil	0.62	0.088	23.8	43.3	0.86	192.5	0.160	1	2.19	0.022	0.12	0.2	7.9	0.17	<0.02	20	0.2	0.08	7.1
1075028	Soil	0.59	0.120	24.8	36.4	0.86	232.5	0.111	1	2.68	0.018	0.10	0.5	8.7	0.18	<0.02	31	0.2	0.02	7.4
1075317	Soil	0.82	0.060	14.6	31.0	0.86	197.9	0.156	1	2.48	0.024	0.20	0.2	3.6	0.24	<0.02	24	0.2	0.06	6.5
1075318	Soil	0.55	0.033	12.0	33.2	0.91	630.6	0.127	1	2.48	0.021	0.11	<0.1	5.1	0.14	<0.02	25	0.2	0.06	6.1
1075319	Soil	0.83	0.062	9.4	32.3	0.79	193.4	0.137	2	1.85	0.031	0.14	0.1	3.4	0.14	0.03	32	0.1	0.05	5.1
1075320	Soil	0.72	0.061	7.7	30.1	0.67	195.6	0.094	1	1.64	0.026	0.06	0.2	2.8	0.09	0.05	34	0.4	0.05	4.9
1075321	Soil	0.61	0.068	12.2	38.4	0.89	232.3	0.145	2	2.45	0.025	0.09	0.1	4.8	0.15	<0.02	22	0.3	0.06	6.1
1075322	Soil	0.67	0.066	13.3	43.6	0.97	274.4	0.172	1	2.67	0.028	0.11	0.1	5.5	0.16	<0.02	19	0.3	0.04	6.7
1075323	Soil	0.84	0.064	9.7	34.0	0.93	280.5	0.188	1	2.69	0.040	0.12	0.1	4.8	0.12	<0.02	13	0.1	0.05	6.5
1075324	Soil	0.71	0.092	12.2	45.0	0.84	301.1	0.189	2	2.23	0.033	0.15	0.2	7.3	0.13	<0.02	27	0.2	0.05	6.0
1075325	Soil	0.44	0.064	12.8	40.4	0.84	222.8	0.100	2	2.33	0.018	0.05	0.2	4.5	0.13	0.03	37	0.5	0.06	6.3
1075326	Soil	0.46	0.057	8.9	36.8	0.78	183.1	0.112	2	2.12	0.018	0.06	0.2	3.8	0.10	0.03	27	0.3	0.05	6.0
1075327	Soil	0.53	0.075	9.4	39.2	0.80	203.6	0.140	2	2.15	0.017	0.07	0.2	4.1	0.14	0.02	45	0.3	0.04	6.0
1075328	Soil	0.65	0.073	14.2	51.7	0.99	270.3	0.198	2	2.23	0.025	0.14	0.2	6.2	0.18	<0.02	35	0.4	<0.02	6.2
1075329	Soil	0.61	0.064	11.7	56.2	1.00	267.7	0.230	2	2.27	0.019	0.14	0.2	4.7	0.24	<0.02	52	0.4	<0.02	6.4
1075330 GS-1 STD	Soil	3.60	0.036	18.5	18.6	0.99	64.2	0.030	1	1.09	0.019	0.19	0.1	2.0	0.09	0.03	6	0.4	<0.02	3.3
1075331	Soil	0.63	0.077	12.2	49.2	0.89	233.5	0.180	3	2.13	0.026	0.15	0.1	4.8	0.19	0.02	42	0.5	<0.02	5.6
1075332	Soil	0.68	0.056	10.1	59.9	1.18	311.3	0.251	2	2.43	0.019	0.14	0.2	5.2	0.22	0.02	27	0.5	<0.02	7.1
1075333	Soil	0.63	0.040	6.5	110.3	1.44	357.5	0.291	2	2.54	0.013	0.21	0.3	3.4	0.29	0.03	34	0.4	<0.02	7.7
1075334	Soil	0.92	0.090	14.1	42.5	0.78	311.3	0.105	2	1.64	0.028	0.13	0.2	3.7	0.25	0.08	62	0.7	0.02	5.0
1075335	Soil	0.68	0.080	14.2	62.0	1.09	386.1	0.261	2	2.21	0.027	0.27	0.2	4.8	0.31	<0.02	24	0.3	<0.02	6.4
1075336	Soil	0.83	0.079	13.9	49.5	0.94	310.3	0.132	2	1.88	0.030	0.12	0.1	4.2	0.23	0.05	45	0.5	<0.02	5.6
1075337	Soil	0.70	0.062	10.0	44.5	0.86	182.8	0.109	2	2.08	0.021	0.08	0.1	3.8	0.11	0.05	36	0.3	<0.02	6.1



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Report Date: August 01, 2011

Page: 6 of 8 Part 3

CERTIFICATE OF ANALYSIS

WHI11000224.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1075020	Soil	<0.1	0.12	1.32	17.9	0.8	<0.05	6.2	5.81	28.0	0.03	<1	0.6	17.1	<10	<2	8.9
1075021	Soil	<0.1	0.05	0.90	10.2	0.8	<0.05	2.1	8.96	33.4	<0.02	<1	0.4	14.4	<10	<2	14.7
1075022	Soil	<0.1	0.03	0.80	8.8	0.5	<0.05	2.0	7.58	29.6	0.03	<1	0.5	13.5	<10	2	14.4
1075023	Soil	<0.1	0.05	1.31	20.7	4.3	<0.05	2.4	6.88	38.8	0.03	<1	0.5	21.6	<10	<2	13.5
1075024	Soil	<0.1	0.07	0.89	12.1	2.8	<0.05	2.6	6.67	33.5	<0.02	1	0.6	17.1	<10	<2	14.5
1075025	Soil	<0.1	0.21	0.30	13.0	1.0	<0.05	10.5	15.50	35.0	0.02	<1	0.7	15.0	<10	<2	6.0
1075026	Soil	<0.1	0.14	0.28	13.2	3.5	<0.05	7.7	21.83	35.2	0.02	<1	0.8	13.5	<10	2	7.3
1075027	Soil	<0.1	0.26	0.46	17.1	0.9	<0.05	11.8	12.74	38.4	0.03	<1	0.6	20.2	<10	<2	6.1
1075028	Soil	<0.1	0.16	0.81	19.4	1.0	<0.05	10.5	16.71	49.7	0.04	<1	0.7	18.0	<10	<2	8.3
1075317	Soil	<0.1	0.03	1.23	22.5	0.6	<0.05	2.6	6.40	25.7	<0.02	<1	0.4	15.2	<10	<2	8.6
1075318	Soil	<0.1	0.07	1.06	13.5	0.6	<0.05	3.9	6.83	32.7	<0.02	<1	0.4	16.1	<10	<2	10.1
1075319	Soil	<0.1	0.07	1.31	16.0	0.4	<0.05	3.3	5.20	17.8	0.02	<1	0.3	13.2	<10	<2	12.5
1075320	Soil	<0.1	0.03	1.20	8.2	2.0	<0.05	2.9	4.53	15.2	<0.02	<1	0.3	10.5	<10	<2	19.3
1075321	Soil	<0.1	0.07	1.12	12.9	0.6	<0.05	4.0	8.28	26.2	0.02	<1	0.5	14.7	<10	<2	9.9
1075322	Soil	<0.1	0.08	1.23	15.6	1.4	<0.05	4.6	8.47	28.1	<0.02	<1	0.4	16.1	<10	<2	9.1
1075323	Soil	<0.1	0.10	0.60	13.1	0.9	<0.05	4.5	5.57	21.1	<0.02	<1	0.3	13.9	<10	2	6.5
1075324	Soil	<0.1	0.22	0.38	13.3	1.8	<0.05	10.8	9.65	24.9	<0.02	<1	0.3	13.6	<10	<2	5.7
1075325	Soil	<0.1	0.04	1.03	9.8	0.5	<0.05	3.0	8.62	25.4	0.02	<1	0.4	15.0	<10	<2	12.2
1075326	Soil	<0.1	0.05	1.06	10.2	0.7	<0.05	2.9	5.06	18.6	0.02	<1	0.3	14.4	<10	<2	11.8
1075327	Soil	<0.1	0.10	1.21	9.9	0.6	<0.05	5.1	5.19	18.7	<0.02	<1	0.2	14.1	<10	<2	10.6
1075328	Soil	<0.1	0.10	1.13	18.7	1.5	<0.05	5.8	12.19	24.7	0.03	1	0.4	17.4	<10	<2	7.3
1075329	Soil	<0.1	0.17	1.61	22.4	0.8	<0.05	8.6	6.69	22.4	0.03	<1	0.3	16.5	<10	2	9.3
1075330 GS-1 STD	Soil	<0.1	<0.02	0.54	12.9	0.6	<0.05	1.0	6.81	34.9	<0.02	<1	0.3	25.7	<10	<2	7.5
1075331	Soil	<0.1	0.19	1.38	17.2	1.3	<0.05	9.3	6.79	22.5	0.02	<1	0.3	15.2	<10	<2	9.2
1075332	Soil	<0.1	0.10	1.61	21.7	0.7	<0.05	6.4	5.39	19.0	<0.02	<1	0.4	19.9	<10	<2	9.6
1075333	Soil	<0.1	0.10	1.96	27.1	1.1	<0.05	4.6	3.12	12.8	<0.02	<1	0.4	22.0	<10	<2	11.3
1075334	Soil	<0.1	0.08	1.67	24.9	0.6	<0.05	3.7	8.24	24.8	0.03	<1	0.2	13.4	<10	<2	24.7
1075335	Soil	0.1	0.13	1.05	33.1	1.0	<0.05	7.5	8.25	26.8	0.02	<1	0.3	17.5	<10	<2	6.3
1075336	Soil	<0.1	0.08	1.69	21.4	0.5	<0.05	4.0	9.24	24.9	0.04	<1	0.3	17.0	<10	<2	16.0
1075337	Soil	<0.1	0.05	1.47	13.0	0.7	<0.05	3.2	6.02	27.5	0.03	<1	0.4	16.6	<10	<2	17.2



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Project: 210800
Report Date: August 01, 2011

Page: 7 of 8 Part 1

CERTIFICATE OF ANALYSIS

WHI11000224.1

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1075338	Soil	560.0	2210	0.77	27.22	6.01	60.7	68	24.2	13.3	489	2.80	6.1	1.9	4.1	7.7	33.4	0.16	0.46	0.11
1075339	Soil	515.0	595.0	1.38	25.92	7.29	76.4	130	24.0	13.1	551	2.82	8.6	2.0	2.7	3.1	44.6	0.25	0.54	0.16
1075340	Soil	690.0	1715	0.70	24.93	8.13	74.2	152	26.8	10.7	279	2.86	4.7	1.9	3.0	7.2	34.5	0.14	0.56	0.14
1076980	Soil	430.0	1340	1.48	14.42	5.44	27.5	50	12.4	4.4	88	1.96	6.6	0.7	3.1	1.2	23.5	0.04	0.61	0.14
1076981	Soil	555.0	1110	1.69	20.72	8.79	71.0	76	25.9	13.1	562	3.25	8.7	2.3	2.8	3.5	42.9	0.11	0.55	0.25
1076982	Soil	565.0	1125	1.52	18.88	8.59	65.5	74	23.4	11.8	457	3.00	7.8	2.0	2.7	3.3	39.8	0.10	0.50	0.24
1076983	Soil	570.0	835.0	2.61	25.54	8.98	61.1	163	25.5	14.4	697	3.17	9.6	1.6	1.5	1.2	41.9	0.10	0.71	0.17
1076984	Soil	615.0	680.0	2.40	25.28	8.29	58.4	176	23.7	14.0	638	3.15	8.5	3.5	4.0	1.3	35.9	0.08	0.76	0.17
1076985	Soil	425.0	600.0	1.95	25.87	8.85	69.0	112	27.6	13.8	424	3.29	8.2	3.4	3.1	5.5	40.4	0.17	0.64	0.13
1076986	Soil	475.0	515.0	1.17	20.51	6.87	52.6	87	22.8	8.7	322	2.55	6.2	1.8	4.4	2.7	39.7	0.07	0.47	0.14
1076987	Soil	110.0	630.0	1.29	21.07	6.36	55.4	156	19.0	10.3	456	2.39	7.3	2.6	2.9	2.6	38.8	0.12	0.55	0.13
1076988	Soil	250.0	580.0	1.16	15.56	5.53	44.0	112	15.6	8.2	395	2.11	7.0	1.4	3.1	0.8	27.3	0.07	0.44	0.12
1076989	Soil	170.0	1115	0.99	20.59	7.56	58.0	73	24.9	10.8	419	2.79	5.8	2.2	3.2	6.3	37.8	0.08	0.44	0.12
1076990 GS-1 STD	Soil	N.A.	N.A.	0.67	21.25	9.62	54.3	36	27.4	12.3	485	2.95	4.3	1.6	0.6	8.2	102.7	0.04	0.20	0.23
1076991	Soil	165.0	845.0	1.41	26.65	8.86	64.2	117	28.9	17.4	649	4.57	9.9	4.8	5.0	5.2	60.2	0.13	0.68	0.14
1076992	Soil	305.0	1100	1.33	31.52	9.31	67.6	113	29.9	15.5	444	3.58	9.6	1.8	4.5	4.7	47.5	0.19	0.69	0.14
1076993	Soil	120.0	1495	0.93	27.30	7.76	60.2	54	25.1	11.4	284	3.22	8.1	1.3	2.6	5.9	38.2	0.10	0.49	0.12
1076994	Soil	275.0	1340	0.86	30.41	9.21	73.7	63	29.7	13.9	525	3.94	8.2	2.5	4.5	5.3	41.5	0.18	0.48	0.17
1076995	Soil	225.0	1250	0.97	23.90	10.03	69.2	125	25.5	11.4	461	2.81	7.6	1.3	3.6	2.9	43.0	0.20	0.63	0.17
1076996	Soil	310.0	960.0	1.23	24.10	9.17	79.8	129	26.3	15.5	573	3.97	18.9	2.8	2.4	8.0	41.1	0.28	0.69	0.17
1076997	Soil	515.0	1110	0.68	15.94	9.08	80.1	74	24.8	9.1	240	3.01	5.6	1.9	5.6	4.8	38.0	0.10	0.48	0.15
1076998	Soil	290.0	610.0	1.55	24.59	7.39	65.4	161	22.5	12.5	718	2.58	7.8	2.2	3.1	1.4	48.9	0.12	0.65	0.15
1076999	Soil	320.0	1030	1.73	23.45	6.51	68.3	162	24.0	10.9	403	2.54	7.9	2.4	2.6	1.6	46.2	0.16	0.67	0.19
1077000	Soil	30.00	1205	1.52	28.43	7.19	79.8	135	22.7	9.6	1246	1.78	6.3	3.8	2.5	0.9	83.0	0.59	0.84	0.13
1076901	Soil	220.0	710.0	1.27	21.27	9.42	76.6	73	27.7	14.4	487	3.79	8.8	6.3	2.9	11.5	57.8	0.15	0.56	0.13
1076902	Soil	195.0	665.0	1.09	25.15	9.92	76.6	72	28.6	14.3	418	3.64	7.6	8.8	4.9	10.4	50.3	0.18	0.61	0.17
1076903	Soil	300.0	1070	0.99	25.84	8.63	67.2	58	28.6	12.6	542	3.23	7.9	2.6	4.5	7.3	33.8	0.10	0.53	0.14
1076904	Soil	200.0	780.0	2.12	14.55	10.58	68.1	65	21.3	13.9	444	3.80	8.5	5.7	2.9	12.1	33.9	0.10	0.66	0.13
1076905	Soil	380.0	1175	1.72	24.17	10.33	67.7	91	29.2	13.6	341	3.50	8.6	2.9	6.8	8.3	30.1	0.14	0.86	0.22
1076906	Soil	365.0	1190	0.63	19.82	7.31	59.9	36	26.6	11.9	373	3.24	5.2	1.4	2.0	8.0	64.2	0.07	0.44	0.14



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Project: 210800
Report Date: August 01, 2011

Page: 7 of 8 Part 2

CERTIFICATE OF ANALYSIS

WHI11000224.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1075338	Soil	0.71	0.086	13.6	44.8	0.84	231.5	0.154	1	1.51	0.021	0.11	0.3	3.2	0.15	0.02	28	0.5	<0.02	4.8	1.42
1075339	Soil	0.81	0.067	12.3	37.7	0.75	280.6	0.099	3	1.61	0.030	0.06	0.2	3.4	0.16	0.06	38	0.5	<0.02	5.2	1.24
1075340	Soil	0.64	0.080	10.6	50.4	0.95	291.4	0.180	3	2.05	0.022	0.15	0.2	4.3	0.25	0.04	26	0.3	0.03	6.0	1.98
1076980	Soil	0.41	0.028	6.1	21.2	0.24	46.1	0.061	2	0.73	0.017	0.03	0.2	1.7	0.06	0.04	48	0.4	<0.02	4.1	0.87
1076981	Soil	0.65	0.073	11.7	37.5	0.80	179.4	0.085	2	1.89	0.023	0.05	0.2	3.4	0.14	0.06	33	0.4	<0.02	6.7	1.92
1076982	Soil	0.62	0.074	11.1	36.2	0.78	160.1	0.083	2	1.85	0.023	0.05	0.1	3.2	0.14	0.05	40	0.4	0.03	6.4	1.79
1076983	Soil	0.55	0.088	13.0	36.1	0.69	185.5	0.051	2	1.80	0.027	0.04	0.1	2.7	0.13	0.07	45	0.4	0.03	5.9	1.44
1076984	Soil	0.55	0.127	20.8	40.7	0.67	152.9	0.044	2	1.96	0.022	0.04	0.1	3.6	0.13	0.06	76	0.5	<0.02	5.8	1.18
1076985	Soil	0.63	0.064	16.0	38.7	0.71	161.3	0.114	2	2.00	0.025	0.06	0.1	5.3	0.09	0.02	38	0.6	<0.02	6.0	1.57
1076986	Soil	0.63	0.081	11.7	29.9	0.65	197.5	0.066	2	1.74	0.029	0.05	0.2	3.3	0.14	0.07	48	0.5	<0.02	5.2	1.33
1076987	Soil	0.60	0.083	14.7	25.8	0.52	189.6	0.051	1	1.33	0.034	0.04	0.1	2.3	0.18	0.08	47	0.3	0.03	4.7	1.53
1076988	Soil	0.40	0.057	8.1	21.5	0.45	93.4	0.041	2	1.09	0.030	0.03	0.1	1.8	0.09	0.05	29	0.4	<0.02	4.2	1.14
1076989	Soil	0.62	0.063	12.2	35.4	0.73	201.1	0.120	2	1.94	0.026	0.06	0.1	4.4	0.15	0.03	27	0.4	<0.02	5.5	1.47
1076990 GS-1 STD	Soil	4.23	0.042	23.2	21.7	1.17	76.3	0.036	2	1.33	0.022	0.23	<0.1	2.3	0.10	0.03	19	0.2	<0.02	3.8	1.05
1076991	Soil	0.85	0.095	18.8	41.2	0.75	226.2	0.115	2	2.29	0.037	0.04	0.1	5.9	0.11	0.04	60	0.7	0.04	6.5	1.23
1076992	Soil	0.73	0.101	17.9	47.7	0.75	215.1	0.105	3	2.33	0.028	0.04	0.1	6.4	0.11	0.04	45	0.5	<0.02	6.5	1.27
1076993	Soil	0.60	0.070	16.0	41.1	0.65	195.8	0.133	2	2.17	0.021	0.04	<0.1	5.8	0.10	<0.02	27	0.2	<0.02	6.2	1.05
1076994	Soil	0.64	0.065	14.4	48.3	0.69	234.4	0.136	2	2.59	0.020	0.05	<0.1	6.7	0.09	<0.02	26	0.4	<0.02	7.0	1.00
1076995	Soil	0.64	0.121	14.9	45.8	0.64	212.0	0.087	2	2.27	0.022	0.04	0.2	5.0	0.16	0.05	46	0.4	<0.02	7.0	1.42
1076996	Soil	0.65	0.102	19.9	46.8	0.70	277.3	0.128	2	2.62	0.019	0.04	0.2	6.4	0.22	0.04	53	0.5	<0.02	7.3	1.93
1076997	Soil	0.57	0.071	11.5	42.3	0.81	215.1	0.118	2	2.49	0.020	0.05	0.2	4.8	0.15	0.04	38	0.4	<0.02	7.0	1.79
1076998	Soil	0.70	0.130	14.7	31.9	0.57	220.2	0.049	2	1.89	0.034	0.05	0.1	3.1	0.14	0.10	52	0.6	0.04	5.5	1.29
1076999	Soil	0.71	0.100	12.2	31.4	0.65	163.1	0.052	2	1.62	0.032	0.05	<0.1	3.1	0.11	0.09	61	0.4	<0.02	5.1	1.27
1077000	Soil	1.67	0.106	23.9	21.3	0.48	209.7	0.040	5	1.08	0.033	0.05	0.1	2.4	0.13	0.14	89	0.5	<0.02	2.8	0.76
1076901	Soil	0.79	0.092	18.1	38.1	1.01	253.6	0.184	3	2.42	0.034	0.10	0.2	5.5	0.24	0.03	32	0.4	<0.02	7.6	2.80
1076902	Soil	0.66	0.090	24.6	38.2	1.01	257.3	0.134	<1	2.26	0.026	0.10	0.3	4.7	0.26	0.03	50	0.4	0.03	7.2	2.62
1076903	Soil	0.45	0.045	17.9	37.7	0.81	207.5	0.107	<1	2.02	0.016	0.06	0.3	4.1	0.15	0.03	23	0.2	0.03	6.0	2.67
1076904	Soil	0.56	0.066	18.3	30.8	0.80	230.2	0.105	1	1.81	0.016	0.10	0.3	4.9	0.20	0.03	56	0.4	0.03	6.2	3.93
1076905	Soil	0.44	0.059	15.0	37.5	0.82	206.9	0.093	<1	2.01	0.016	0.07	0.2	4.7	0.18	0.03	61	0.4	0.05	6.6	2.40
1076906	Soil	0.65	0.080	15.0	31.7	1.08	264.7	0.119	<1	2.41	0.039	0.08	0.2	3.2	0.25	<0.02	21	0.1	0.02	6.6	2.10



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Report Date: August 01, 2011

Page: 7 of 8 Part 3

CERTIFICATE OF ANALYSIS

WHI11000224.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1075338	Soil	<0.1	0.03	1.25	16.6	0.5	<0.05	3.0	6.40	25.3	<0.02	<1	0.3	13.7	<10	<2	8.7
1075339	Soil	<0.1	0.08	1.61	14.4	0.7	<0.05	3.9	7.16	23.0	0.03	<1	0.3	13.2	<10	<2	22.0
1075340	Soil	<0.1	0.08	1.74	27.1	0.7	<0.05	4.8	5.99	19.3	0.02	<1	0.3	18.0	<10	<2	13.3
1076980	Soil	<0.1	0.03	1.26	5.9	0.5	<0.05	2.5	2.56	11.2	<0.02	<1	<0.1	4.5	<10	<2	19.4
1076981	Soil	<0.1	0.05	1.64	12.4	0.8	<0.05	2.4	4.52	23.1	<0.02	2	0.4	16.1	<10	<2	16.2
1076982	Soil	<0.1	0.04	1.57	12.3	0.9	<0.05	2.4	4.22	20.7	<0.02	<1	0.3	16.3	<10	<2	16.1
1076983	Soil	<0.1	0.02	1.05	9.2	0.7	<0.05	1.6	6.73	24.7	0.03	<1	0.6	12.0	<10	<2	18.1
1076984	Soil	<0.1	0.03	0.93	8.6	0.7	<0.05	1.9	9.67	34.1	0.03	<1	0.5	11.7	<10	<2	19.2
1076985	Soil	<0.1	0.12	1.46	10.8	0.8	<0.05	6.4	8.57	29.3	0.03	<1	0.5	13.7	<10	<2	12.3
1076986	Soil	<0.1	0.05	1.18	8.8	0.6	<0.05	3.3	5.13	19.2	0.03	<1	0.2	12.0	<10	<2	19.1
1076987	Soil	<0.1	0.03	1.11	11.3	0.5	<0.05	2.2	6.60	26.7	<0.02	1	0.4	9.0	<10	<2	21.5
1076988	Soil	<0.1	<0.02	0.71	6.3	0.4	<0.05	1.2	3.91	13.7	<0.02	1	0.4	7.7	<10	<2	15.3
1076989	Soil	<0.1	0.07	1.28	13.4	1.1	<0.05	4.2	6.01	21.7	0.03	<1	0.3	13.7	<10	2	11.9
1076990 GS-1 STD	Soil	<0.1	<0.02	0.68	15.6	0.7	<0.05	1.0	8.34	44.1	<0.02	1	0.4	29.8	<10	<2	8.7
1076991	Soil	<0.1	0.08	1.66	7.3	1.3	<0.05	5.3	12.08	31.7	0.02	<1	0.5	15.6	<10	<2	15.6
1076992	Soil	<0.1	0.07	1.36	6.7	1.0	<0.05	4.8	11.45	34.3	0.03	<1	0.7	14.7	<10	<2	13.4
1076993	Soil	<0.1	0.10	1.11	6.8	0.9	<0.05	5.5	9.45	31.0	0.03	1	0.4	13.3	<10	<2	8.5
1076994	Soil	<0.1	0.08	1.08	9.2	1.7	<0.05	5.8	8.45	27.5	0.03	<1	0.6	13.2	<10	<2	9.2
1076995	Soil	<0.1	0.05	1.24	7.4	1.6	<0.05	2.5	8.76	28.8	0.03	1	0.4	16.5	<10	<2	15.0
1076996	Soil	<0.1	0.07	1.66	9.2	1.0	<0.05	4.3	10.11	37.5	0.02	<1	0.8	18.2	<10	<2	14.1
1076997	Soil	<0.1	0.08	1.56	11.3	0.8	<0.05	3.3	5.53	19.7	0.02	<1	0.6	21.7	<10	<2	12.9
1076998	Soil	<0.1	0.03	1.06	10.5	0.8	<0.05	2.5	9.01	28.3	0.03	<1	0.3	9.6	<10	<2	25.2
1076999	Soil	<0.1	0.04	1.07	10.7	0.7	<0.05	2.5	7.27	20.9	0.02	2	0.4	10.7	<10	<2	23.4
1077000	Soil	0.1	0.03	0.69	7.4	2.4	<0.05	1.7	12.21	33.2	<0.02	<1	0.3	5.4	<10	<2	47.7
1076901	Soil	<0.1	0.12	2.16	24.6	1.2	<0.05	5.5	7.99	32.8	0.03	<1	0.4	24.8	<10	<2	13.4
1076902	Soil	<0.1	0.09	1.79	24.2	1.4	<0.05	4.5	9.48	39.1	0.04	1	0.4	23.8	<10	3	13.6
1076903	Soil	<0.1	0.07	0.98	12.1	0.9	<0.05	3.7	7.64	28.1	0.02	1	0.4	20.0	<10	<2	9.5
1076904	Soil	<0.1	0.06	1.39	19.1	1.7	<0.05	3.7	7.19	31.4	<0.02	<1	0.7	21.8	<10	<2	13.1
1076905	Soil	<0.1	0.06	1.16	14.0	0.8	<0.05	3.5	7.33	27.3	0.05	<1	0.5	21.8	<10	<2	11.1
1076906	Soil	<0.1	0.07	1.12	18.7	1.2	<0.05	3.7	6.90	26.3	0.03	<1	0.2	19.3	<10	<2	10.0



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Project: 210800
Report Date: August 01, 2011

Page: 8 of 8 Part 1

CERTIFICATE OF ANALYSIS

WHI11000224.1

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1076907	Soil	345.0	760.0	1.80	17.13	7.42	57.8	61	17.1	9.5	341	2.75	8.9	1.2	3.1	0.8	27.3	0.14	0.67	0.16
1076908	Soil	290.0	665.0	1.29	21.47	6.68	67.4	59	24.5	12.6	467	2.91	7.4	2.1	1.7	3.8	50.3	0.19	0.59	0.13
1076909	Soil	805.0	1780	1.03	21.95	5.58	64.5	57	27.7	12.9	410	3.27	7.1	2.4	3.0	3.9	62.8	0.11	0.55	0.13
1076910 GS-1 STD	Soil	N.A.	N.A.	0.62	20.12	8.89	49.8	32	24.9	11.8	412	2.68	4.6	1.4	1.4	7.1	94.4	0.06	0.21	0.21
1076911	Soil	365.0	730.0	1.80	27.36	7.34	67.3	68	29.1	14.5	626	3.08	12.5	1.7	3.3	1.7	32.7	0.14	0.83	0.14
1076912	Soil	570.0	2115	0.87	24.48	5.84	55.1	47	26.8	12.1	631	3.01	6.6	1.3	7.5	5.4	32.3	0.17	0.45	0.15
1076913	Soil	460.0	1915	0.70	23.93	5.20	54.8	38	25.7	11.2	438	2.90	5.6	1.5	8.7	7.1	49.1	0.13	0.36	0.17
1076914	Soil	265.0	830.0	1.56	20.08	6.14	64.3	66	22.9	11.9	515	2.79	12.4	3.5	3.1	3.1	38.8	0.13	0.58	0.16
1076915	Soil	770.0	2070	1.43	30.75	8.76	78.6	94	31.1	13.8	239	2.84	7.8	3.9	3.9	2.6	27.7	0.07	0.65	0.17
1076916	Soil	835.0	1935	0.87	21.70	8.37	51.7	50	24.6	11.3	244	2.84	8.0	1.8	4.5	6.1	34.9	0.09	0.49	0.14
1076917	Soil	810.0	2260	1.47	25.60	9.42	65.7	72	30.4	14.9	588	3.42	17.2	1.7	17.7	4.9	33.4	0.11	0.63	0.15
1076918	Soil	340.0	715.0	1.23	34.15	6.45	63.4	84	27.9	15.8	451	4.20	11.0	1.2	6.7	2.3	34.7	0.12	0.68	0.11
1076919	Soil	725.0	2075	0.75	29.26	5.07	56.1	40	22.6	13.8	480	3.27	5.7	0.7	2.3	3.1	42.3	0.08	0.39	0.08
1076920	Soil	505.0	1675	1.13	30.37	7.03	59.6	77	28.5	13.2	430	2.91	7.5	1.1	2.9	2.3	35.8	0.11	0.53	0.11
1076921	Soil	400.0	775.0	1.99	25.04	8.37	74.4	57	24.6	13.2	528	3.35	12.0	0.8	2.1	0.6	31.9	0.21	0.85	0.15
1076922	Soil	335.0	810.0	1.96	25.13	8.53	82.4	60	25.7	13.8	563	3.27	12.5	0.8	2.8	0.6	34.5	0.18	0.84	0.16
1076923	Soil	425.0	1710	1.20	26.18	7.85	54.5	58	28.5	13.3	465	3.05	9.8	0.8	13.1	1.2	30.3	0.08	0.58	0.11
1076924	Soil	545.0	1065	2.02	28.85	8.37	67.9	52	32.0	16.0	685	3.70	14.0	0.9	2.1	0.7	43.0	0.10	0.98	0.15
1076925	Soil	405.0	1340	0.97	27.89	5.81	52.6	131	22.5	11.2	348	2.94	5.7	0.7	4.8	1.3	36.0	0.07	0.38	0.08
1076926	Soil	365.0	1590	1.35	25.64	6.89	61.8	54	21.8	15.5	758	3.32	8.2	0.7	4.0	2.1	54.2	0.14	0.43	0.11
1076927	Soil	910.0	1555	1.31	30.33	7.21	56.0	112	25.6	14.7	506	3.46	9.9	1.2	3.5	2.2	70.0	0.07	0.58	0.11
1076928	Soil	585.0	1280	1.75	26.37	7.93	64.4	76	37.2	14.6	433	3.81	14.3	0.8	2.7	1.6	33.5	0.15	0.80	0.14
1076929	Soil	565.0	1220	1.23	25.88	6.56	60.3	43	35.8	14.5	473	3.40	11.2	0.7	2.4	1.3	45.3	0.17	0.59	0.12
1076930 GS-1 STD	Soil	N.A.	N.A.	0.67	19.86	8.50	48.4	34	24.6	11.0	410	2.66	4.5	1.3	0.5	6.9	93.1	0.05	0.21	0.18
1076551	Soil	240.0	635.0	1.95	22.93	7.83	67.8	98	24.3	12.1	582	3.15	10.3	1.9	1.4	1.5	37.1	0.12	0.69	0.13
1076552	Soil	165.0	625.0	0.84	32.63	7.92	62.5	164	26.2	12.2	464	3.02	7.8	2.3	3.9	5.0	35.6	0.12	0.58	0.14
1076553	Soil	250.0	595.0	0.89	21.07	7.78	61.5	68	22.6	9.0	186	2.46	7.2	0.9	1.8	1.5	31.0	0.09	0.53	0.13
1076554	Soil	355.0	1935	0.76	36.42	6.29	72.9	149	26.5	14.7	478	3.14	7.0	2.7	5.5	6.7	41.1	0.17	0.49	0.10



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Project: 210800
Report Date: August 01, 2011

Page: 8 of 8 Part 2

CERTIFICATE OF ANALYSIS

WHI11000224.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1076907	Soil	0.36	0.057	7.7	28.6	0.45	105.5	0.045	<1	1.25	0.017	0.03	0.1	1.9	0.09	0.06	55	0.3	0.05	5.0	0.95
1076908	Soil	0.72	0.079	13.5	30.2	0.79	202.5	0.103	1	1.69	0.033	0.09	0.1	3.3	0.17	0.05	36	0.3	<0.02	5.0	1.85
1076909	Soil	0.63	0.092	16.5	31.3	1.03	160.3	0.086	<1	2.05	0.045	0.07	0.1	3.8	0.15	0.03	41	0.3	<0.02	5.6	3.24
1076910 GS-1 STD	Soil	3.71	0.042	17.7	19.5	1.03	66.6	0.029	1	1.22	0.025	0.22	<0.1	2.0	0.10	0.03	14	0.3	0.03	3.2	0.99
1076911	Soil	0.54	0.072	11.0	32.8	0.70	168.5	0.064	2	1.58	0.024	0.06	0.2	2.5	0.12	0.07	30	0.4	0.03	5.2	1.78
1076912	Soil	0.48	0.036	11.5	34.0	0.68	171.1	0.135	3	1.68	0.024	0.08	0.2	3.4	0.11	<0.02	21	0.2	0.03	5.0	1.46
1076913	Soil	0.57	0.074	15.8	32.9	0.74	203.3	0.139	2	1.76	0.030	0.10	0.2	3.3	0.16	<0.02	20	0.2	0.04	5.2	1.94
1076914	Soil	0.61	0.065	11.6	28.9	0.66	160.6	0.087	2	1.56	0.025	0.07	0.2	2.9	0.12	0.05	34	0.2	<0.02	5.0	1.74
1076915	Soil	0.34	0.078	16.6	43.2	0.91	201.0	0.096	1	2.42	0.019	0.05	<0.1	4.5	0.17	0.03	34	0.3	0.08	6.9	1.75
1076916	Soil	0.45	0.067	15.9	34.8	0.76	194.6	0.125	2	2.17	0.022	0.07	0.1	3.4	0.16	0.02	41	0.2	<0.02	6.4	1.87
1076917	Soil	0.44	0.072	18.9	36.1	0.79	186.2	0.104	2	2.36	0.018	0.08	0.2	3.7	0.16	0.03	22	0.3	0.05	6.7	1.79
1076918	Soil	0.50	0.090	14.2	35.4	0.76	173.4	0.086	<1	2.14	0.021	0.04	0.1	4.3	0.08	0.03	37	0.4	<0.02	5.6	0.91
1076919	Soil	0.55	0.070	8.9	29.3	0.87	370.7	0.209	2	2.07	0.021	0.17	0.1	3.1	0.14	0.02	15	0.3	<0.02	6.2	1.41
1076920	Soil	0.56	0.054	7.4	32.2	0.75	177.3	0.112	2	1.92	0.019	0.08	0.2	2.8	0.09	0.05	29	0.2	0.04	5.8	1.36
1076921	Soil	0.44	0.061	9.3	31.9	0.61	120.4	0.047	2	1.54	0.018	0.04	0.2	2.1	0.07	0.06	32	0.3	0.06	5.5	1.08
1076922	Soil	0.49	0.062	9.3	32.7	0.61	120.4	0.047	1	1.53	0.020	0.04	0.2	2.0	0.08	0.06	42	0.4	0.04	5.7	1.07
1076923	Soil	0.36	0.050	9.3	31.3	0.69	129.4	0.089	<1	1.85	0.021	0.06	1.6	2.5	0.06	0.05	28	0.2	0.05	5.1	1.97
1076924	Soil	0.65	0.076	10.8	36.5	0.81	211.3	0.058	2	1.91	0.020	0.06	0.1	2.6	0.08	0.07	39	0.3	0.05	6.2	1.45
1076925	Soil	0.44	0.054	6.7	30.1	0.77	185.7	0.129	2	2.01	0.018	0.10	0.4	2.5	0.08	0.04	24	0.2	0.04	5.9	2.01
1076926	Soil	0.65	0.050	5.8	30.7	0.87	284.0	0.165	1	2.11	0.022	0.11	0.1	3.0	0.10	0.04	26	0.3	0.02	6.9	3.17
1076927	Soil	0.70	0.059	10.5	35.3	0.85	431.1	0.104	1	2.44	0.022	0.11	0.1	3.9	0.09	0.04	38	0.2	0.03	6.3	2.47
1076928	Soil	0.50	0.041	10.0	36.2	0.77	247.3	0.082	1	2.36	0.018	0.05	0.1	2.8	0.10	0.04	26	0.4	0.04	6.8	1.10
1076929	Soil	0.49	0.046	9.8	34.2	0.78	295.0	0.094	1	2.44	0.026	0.05	<0.1	3.2	0.08	0.04	21	0.1	0.04	6.1	1.08
1076930 GS-1 STD	Soil	3.66	0.042	18.5	19.0	1.02	66.5	0.030	2	1.20	0.025	0.22	<0.1	1.9	0.09	0.03	13	<0.1	<0.02	3.4	0.97
1076551	Soil	0.59	0.090	13.7	33.4	0.73	188.7	0.049	3	1.56	0.024	0.04	0.1	1.9	0.18	0.08	28	0.3	0.03	5.4	1.67
1076552	Soil	0.61	0.079	11.8	45.9	0.88	292.2	0.133	1	1.98	0.023	0.10	0.3	4.0	0.18	0.04	45	0.2	<0.02	6.3	1.68
1076553	Soil	0.39	0.062	7.3	37.4	0.76	199.4	0.088	1	1.77	0.024	0.05	0.1	2.4	0.14	0.04	31	<0.1	<0.02	5.9	1.38
1076554	Soil	0.72	0.124	13.7	44.8	0.95	311.7	0.164	4	1.84	0.029	0.20	0.3	3.6	0.27	0.03	40	0.3	<0.02	5.6	1.76



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Report Date: August 01, 2011

Page: 8 of 8 Part 3

CERTIFICATE OF ANALYSIS

WHI11000224.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1076907	Soil	<0.1	0.03	0.84	7.2	0.4	<0.05	1.3	3.53	13.8	0.02	<1	<0.1	10.3	<10	<2	20.6
1076908	Soil	<0.1	0.08	1.46	18.0	1.0	<0.05	3.7	6.77	23.4	0.03	<1	0.4	15.5	<10	<2	15.4
1076909	Soil	<0.1	0.06	0.94	13.7	0.6	<0.05	3.0	9.12	28.3	<0.02	<1	0.5	16.3	<10	<2	12.4
1076910 GS-1 STD	Soil	<0.1	<0.02	0.54	14.4	0.6	<0.05	0.8	7.22	31.9	<0.02	<1	0.2	29.5	<10	<2	8.5
1076911	Soil	<0.1	0.05	1.12	10.3	0.5	<0.05	2.4	5.35	22.2	0.02	<1	<0.1	12.9	<10	<2	18.2
1076912	Soil	<0.1	0.08	1.04	12.5	0.5	<0.05	4.4	4.67	25.1	0.02	<1	0.2	14.4	<10	<2	7.2
1076913	Soil	<0.1	0.13	0.94	18.0	0.8	<0.05	5.5	6.84	27.5	<0.02	<1	0.2	16.2	<10	<2	6.6
1076914	Soil	<0.1	0.05	1.23	13.1	0.5	<0.05	2.7	5.12	20.3	0.02	<1	0.4	14.2	<10	<2	15.3
1076915	Soil	<0.1	0.04	0.88	12.9	0.7	<0.05	2.1	11.05	28.4	0.03	<1	0.3	19.0	<10	<2	9.9
1076916	Soil	<0.1	0.06	1.19	13.2	0.6	<0.05	3.2	6.40	29.5	0.03	<1	0.8	17.8	<10	<2	9.0
1076917	Soil	<0.1	0.04	1.11	15.6	0.6	<0.05	3.1	8.22	33.3	0.03	<1	0.2	17.3	<10	<2	12.7
1076918	Soil	<0.1	0.08	1.06	5.9	0.4	<0.05	4.7	10.17	27.3	<0.02	1	0.3	12.9	<10	<2	13.8
1076919	Soil	<0.1	0.06	1.56	19.2	0.8	<0.05	4.0	5.20	19.5	<0.02	<1	0.3	13.6	<10	<2	9.1
1076920	Soil	<0.1	0.04	1.16	10.9	0.5	<0.05	2.7	4.37	23.6	0.02	<1	0.3	15.4	<10	<2	15.1
1076921	Soil	<0.1	0.02	0.68	8.2	0.7	<0.05	1.2	4.95	18.7	<0.02	<1	0.2	11.2	<10	<2	17.6
1076922	Soil	<0.1	<0.02	0.74	8.0	0.5	<0.05	1.2	5.02	18.2	<0.02	<1	0.7	13.3	<10	<2	18.2
1076923	Soil	<0.1	0.04	1.01	7.5	0.5	<0.05	2.3	6.14	22.4	0.02	<1	0.4	12.8	<10	<2	13.8
1076924	Soil	<0.1	0.04	1.03	10.0	0.5	<0.05	1.5	6.85	27.8	0.03	<1	0.4	15.5	<10	<2	18.0
1076925	Soil	<0.1	0.04	1.17	10.7	0.5	<0.05	2.7	3.93	14.2	<0.02	<1	0.3	15.3	<10	<2	13.9
1076926	Soil	<0.1	0.04	1.49	12.2	0.5	<0.05	2.3	3.10	11.7	<0.02	<1	0.3	17.3	<10	<2	14.2
1076927	Soil	<0.1	0.05	1.14	11.0	0.6	<0.05	2.6	6.26	28.3	0.02	<1	1.0	15.5	<10	<2	14.9
1076928	Soil	<0.1	0.04	1.09	7.7	0.5	<0.05	2.7	5.16	32.0	0.02	<1	0.3	14.5	<10	<2	15.2
1076929	Soil	<0.1	0.04	1.03	6.7	0.5	<0.05	2.4	5.45	33.6	0.03	<1	0.6	12.7	<10	<2	13.0
1076930 GS-1 STD	Soil	<0.1	<0.02	0.66	14.0	0.6	<0.05	0.9	7.30	33.5	<0.02	<1	0.4	28.4	<10	<2	8.4
1076551	Soil	<0.1	0.02	1.14	9.3	0.6	<0.05	1.2	5.70	25.1	<0.02	<1	0.2	15.9	<10	<2	20.0
1076552	Soil	<0.1	0.07	1.20	18.0	0.8	<0.05	3.8	6.81	20.4	<0.02	<1	0.4	17.7	<10	<2	14.5
1076553	Soil	<0.1	0.05	1.01	9.6	0.5	<0.05	1.9	3.14	13.6	0.02	<1	0.1	16.2	<10	<2	13.6
1076554	Soil	<0.1	0.09	1.40	29.5	0.6	<0.05	5.0	8.25	24.6	0.03	<1	0.5	16.5	<10	<2	12.1



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Report Date:

August 01, 2011

Page:

1 of 3

Part 1

QUALITY CONTROL REPORT

WHI11000224.1

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0	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
Pulp Duplicates																					
1075275	Soil	405.0	1830	0.55	21.09	8.36	69.3	26	20.2	13.6	458	3.49	4.1	1.9	6.3	16.8	34.9	0.10	0.29	0.09	82
REP 1075275	QC			0.56	20.61	8.49	69.2	27	20.5	12.9	458	3.42	4.1	1.9	2.7	17.5	35.2	0.08	0.29	0.09	81
1075276	Soil	155.0	1635	0.69	17.23	7.42	80.9	59	21.4	17.1	1509	2.85	3.6	2.7	1.9	10.1	41.0	0.24	0.40	0.09	64
REP 1075276	QC																				
1075299	Soil	295.0	2275	0.86	21.76	6.40	65.7	51	23.3	12.8	605	2.97	5.7	1.2	7.7	4.7	49.0	0.15	0.43	0.11	65
REP 1075299	QC			0.87	21.97	6.56	67.7	58	24.3	13.1	617	3.03	6.0	1.3	3.1	4.7	49.0	0.16	0.43	0.13	66
1076952	Soil	390.0	810.0	7.98	31.13	9.26	65.3	131	30.7	14.3	753	3.33	9.7	1.5	2.7	0.6	29.0	0.14	0.68	0.18	70
REP 1076952	QC			8.13	31.00	9.13	63.3	133	29.9	15.2	684	3.42	10.3	1.6	2.8	0.6	30.7	0.14	0.72	0.19	73
1076972	Soil	405.0	1090	1.86	36.25	12.66	71.8	110	40.8	17.8	821	3.88	9.2	6.2	2.5	4.6	38.1	0.20	0.66	0.16	86
REP 1076972	QC			1.94	38.10	12.99	79.6	115	40.6	17.4	825	3.67	9.7	6.5	2.8	4.7	40.1	0.19	0.72	0.16	83
1076974	Soil	140.0	745.0	1.94	20.65	10.35	69.0	52	27.6	13.8	763	3.07	14.2	6.6	11.6	9.0	43.9	0.17	0.58	0.13	67
REP 1076974	QC																				
1076975	Soil	230.0	1065	1.48	20.34	10.43	65.0	43	27.9	12.5	714	3.30	10.4	5.2	9.3	12.7	24.8	0.17	0.47	0.12	68
REP 1076975	QC			1.57	21.15	10.76	68.5	37	29.3	12.9	725	3.30	10.7	5.4	6.3	13.1	25.5	0.16	0.48	0.11	67
1076540	Soil	640.0	915.0	1.42	30.47	7.50	69.9	92	29.5	14.6	535	3.11	8.5	1.8	5.7	2.7	30.7	0.19	0.41	0.16	69
REP 1076540	QC			1.29	30.81	7.51	69.2	89	30.2	14.6	538	3.13	8.4	1.6	4.1	2.4	28.5	0.18	0.40	0.17	69
1075005	Soil	495.0	580.0	1.91	17.20	5.16	33.2	95	12.3	8.4	328	1.95	6.1	1.4	3.3	0.7	24.3	0.07	0.43	0.29	38
REP 1075005	QC			2.18	20.89	5.93	36.6	108	14.4	9.8	385	2.07	6.9	1.6	2.9	0.8	26.7	0.09	0.47	0.28	40
1075008	Soil	780.0	1180	4.37	79.15	16.39	61.4	100	24.6	12.3	482	2.97	8.2	1.1	11.8	5.0	34.4	0.24	1.11	9.63	63
REP 1075008	QC																				
1075318	Soil	595.0	1085	0.49	35.19	6.82	50.7	76	24.5	13.1	497	3.09	5.9	1.8	3.1	4.8	38.6	0.05	0.33	0.11	77
REP 1075318	QC																				
1075320	Soil	390.0	1385	1.46	29.75	6.57	51.6	139	19.5	10.6	373	2.56	7.4	2.3	3.7	2.4	54.1	0.10	0.51	0.14	60
REP 1075320	QC			1.47	31.08	7.06	53.4	146	20.8	10.2	411	2.72	7.7	2.4	1.9	2.7	58.5	0.12	0.53	0.12	63
1075340	Soil	690.0	1715	0.70	24.93	8.13	74.2	152	26.8	10.7	279	2.86	4.7	1.9	3.0	7.2	34.5	0.14	0.56	0.14	71
REP 1075340	QC			0.73	25.40	8.39	73.6	139	28.2	11.1	302	2.97	4.9	2.0	3.7	7.4	35.8	0.13	0.54	0.16	73
1077000	Soil	30.00	1205	1.52	28.43	7.19	79.8	135	22.7	9.6	1246	1.78	6.3	3.8	2.5	0.9	83.0	0.59	0.84	0.13	33
REP 1077000	QC																				



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Project: 210800

Report Date: August 01, 2011

Page: 1 of 3 Part 2

QUALITY CONTROL REPORT

WHI11000224.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.01	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																				
1075275	Soil	0.60	0.081	15.5	35.0	1.01	388.5	0.268	1	2.21	0.018	0.34	0.2	3.6	0.53	<0.02	13	0.4	0.04	7.3
REP 1075275	QC	0.60	0.085	15.8	34.3	0.98	386.0	0.269	1	2.16	0.018	0.33	0.3	3.6	0.51	<0.02	17	0.2	<0.02	7.1
1075276	Soil	0.71	0.091	17.0	29.9	0.81	310.9	0.170	3	1.93	0.021	0.09	0.2	4.2	0.23	0.05	39	0.4	<0.02	6.2
REP 1075276	QC																			
1075299	Soil	0.62	0.056	10.1	36.3	0.81	185.7	0.149	2	2.08	0.025	0.07	0.1	4.0	0.11	0.02	20	0.4	<0.02	6.3
REP 1075299	QC	0.64	0.056	10.5	36.1	0.83	193.3	0.153	2	2.14	0.025	0.08	0.1	4.3	0.13	<0.02	26	0.4	0.05	6.4
1076952	Soil	0.37	0.081	13.7	45.4	0.70	136.4	0.061	1	1.90	0.021	0.04	0.2	2.4	0.11	0.06	36	<0.1	0.05	6.3
REP 1076952	QC	0.41	0.077	13.6	40.3	0.73	133.7	0.061	1	1.98	0.022	0.04	0.2	2.6	0.11	0.06	45	0.3	0.05	6.6
1076972	Soil	0.46	0.063	22.0	51.3	0.80	200.3	0.116	2	2.60	0.021	0.06	<0.1	4.6	0.14	0.04	38	0.2	0.04	7.2
REP 1076972	QC	0.46	0.060	22.7	53.3	0.76	219.0	0.121	3	2.47	0.021	0.05	0.1	5.0	0.16	0.04	36	0.1	<0.02	7.6
1076974	Soil	0.75	0.063	18.4	36.6	0.65	155.3	0.119	3	1.57	0.030	0.08	0.1	4.0	0.13	0.03	59	<0.1	0.02	5.6
REP 1076974	QC																			
1076975	Soil	0.50	0.049	19.8	32.1	0.78	228.5	0.100	1	1.97	0.020	0.07	0.1	3.8	0.17	0.04	33	0.2	0.04	5.2
REP 1076975	QC	0.47	0.050	20.6	32.8	0.78	235.3	0.103	10	1.96	0.020	0.07	0.1	4.2	0.17	<0.02	37	0.2	<0.02	5.5
1076540	Soil	0.61	0.049	9.4	38.0	0.72	163.5	0.082	5	1.88	0.022	0.04	0.2	2.8	0.09	0.04	37	0.2	0.09	5.8
REP 1076540	QC	0.61	0.046	8.6	38.4	0.72	148.7	0.081	5	1.86	0.019	0.04	0.1	3.3	0.08	0.04	31	0.4	0.07	5.6
1075005	Soil	0.47	0.054	8.4	19.0	0.30	73.5	0.042	2	0.90	0.023	0.04	0.1	1.7	0.06	0.06	49	0.2	0.10	3.0
REP 1075005	QC	0.49	0.059	9.8	21.9	0.34	85.3	0.047	2	0.98	0.026	0.04	0.1	1.8	0.06	0.07	61	0.3	0.07	3.5
1075008	Soil	0.43	0.036	10.2	32.7	0.69	111.8	0.089	2	1.70	0.018	0.05	1.0	3.6	0.12	<0.02	29	<0.1	0.27	5.0
REP 1075008	QC																			
1075318	Soil	0.55	0.033	12.0	33.2	0.91	630.6	0.127	1	2.48	0.021	0.11	<0.1	5.1	0.14	<0.02	25	0.2	0.06	6.1
REP 1075318	QC																			
1075320	Soil	0.72	0.061	7.7	30.1	0.67	195.6	0.094	1	1.64	0.026	0.06	0.2	2.8	0.09	0.05	34	0.4	0.05	4.9
REP 1075320	QC	0.76	0.065	8.0	30.0	0.72	203.4	0.098	2	1.78	0.028	0.07	0.2	3.0	0.10	0.06	38	0.3	0.04	5.2
1075340	Soil	0.64	0.080	10.6	50.4	0.95	291.4	0.180	3	2.05	0.022	0.15	0.2	4.3	0.25	0.04	26	0.3	0.03	6.0
REP 1075340	QC	0.66	0.076	11.4	50.3	0.99	304.3	0.180	3	2.11	0.022	0.16	0.2	4.1	0.26	0.04	51	0.5	0.03	6.4
1077000	Soil	1.67	0.106	23.9	21.3	0.48	209.7	0.040	5	1.08	0.033	0.05	0.1	2.4	0.13	0.14	89	0.5	<0.02	2.8
REP 1077000	QC																			



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Page: 1 of 3 Part 3

QUALITY CONTROL REPORT

WHI11000224.1

Method Analyte Unit MDL		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
Pulp Duplicates																	
1075275	Soil	<0.1	0.10	1.20	54.1	2.0	<0.05	4.8	6.20	25.1	0.02	<1	0.3	28.8	<10	<2	5.8
REP 1075275	QC	<0.1	0.09	1.20	53.8	2.2	<0.05	4.8	6.22	26.5	<0.02	<1	0.4	27.8	<10	<2	
1075276	Soil	<0.1	0.05	2.15	15.8	1.8	<0.05	2.8	8.29	29.4	0.02	<1	0.5	21.9	<10	<2	15.8
REP 1075276	QC																14.8
1075299	Soil	<0.1	0.06	1.33	14.3	0.7	<0.05	4.3	4.69	20.2	0.03	<1	0.3	14.3	<10	<2	10.2
REP 1075299	QC	<0.1	0.07	1.41	15.1	0.7	<0.05	4.7	4.76	20.6	0.04	<1	0.2	15.0	<10	<2	
1076952	Soil	<0.1	<0.02	0.90	8.5	0.6	<0.05	1.3	6.42	22.9	<0.02	<1	0.6	11.5	<10	<2	17.9
REP 1076952	QC	<0.1	0.02	0.94	8.4	0.6	<0.05	1.2	6.51	23.1	0.02	<1	0.9	12.9	<10	<2	
1076972	Soil	<0.1	0.05	1.20	11.6	0.8	<0.05	2.8	11.11	37.6	0.04	<1	0.8	12.7	<10	<2	13.0
REP 1076972	QC	<0.1	0.05	1.21	11.8	0.8	<0.05	2.9	11.89	39.9	0.04	<1	1.7	11.7	<10	<2	
1076974	Soil	<0.1	0.09	1.92	14.7	1.0	<0.05	5.0	8.17	32.6	0.02	<1	0.4	14.3	<10	<2	15.8
REP 1076974	QC																15.1
1076975	Soil	<0.1	0.06	1.05	13.3	0.8	<0.05	3.2	7.19	60.6	0.04	<1	1.5	14.0	10	<2	7.6
REP 1076975	QC	<0.1	0.08	1.03	14.2	0.8	<0.05	3.5	7.55	63.6	0.04	<1	1.5	16.1	<10	<2	
1076540	Soil	<0.1	0.06	1.13	10.1	1.2	<0.05	2.3	4.30	24.2	0.03	<1	3.0	15.9	<10	4	14.6
REP 1076540	QC	<0.1	0.05	1.14	9.4	1.0	<0.05	2.3	3.89	22.3	0.03	1	3.3	16.0	<10	<2	
1075005	Soil	<0.1	0.02	0.63	6.0	0.6	<0.05	1.6	4.31	16.0	0.02	<1	0.3	5.7	<10	<2	19.2
REP 1075005	QC	<0.1	0.03	0.72	6.7	0.7	<0.05	1.6	5.04	18.2	<0.02	<1	0.2	6.3	<10	<2	
1075008	Soil	<0.1	0.08	1.18	8.6	0.6	<0.05	4.1	3.79	25.5	<0.02	<1	0.3	12.8	<10	<2	9.7
REP 1075008	QC																9.5
1075318	Soil	<0.1	0.07	1.06	13.5	0.6	<0.05	3.9	6.83	32.7	<0.02	<1	0.4	16.1	<10	<2	10.1
REP 1075318	QC																10.0
1075320	Soil	<0.1	0.03	1.20	8.2	2.0	<0.05	2.9	4.53	15.2	<0.02	<1	0.3	10.5	<10	<2	19.3
REP 1075320	QC	<0.1	0.04	1.33	8.9	2.0	<0.05	2.9	5.10	15.6	<0.02	2	0.3	10.4	<10	<2	
1075340	Soil	<0.1	0.08	1.74	27.1	0.7	<0.05	4.8	5.99	19.3	0.02	<1	0.3	18.0	<10	<2	13.3
REP 1075340	QC	<0.1	0.08	1.79	28.6	0.7	<0.05	4.8	5.94	19.9	0.03	<1	0.4	19.0	<10	<2	
1077000	Soil	0.1	0.03	0.69	7.4	2.4	<0.05	1.7	12.21	33.2	<0.02	<1	0.3	5.4	<10	<2	47.7
REP 1077000	QC																47.8



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Report Date: August 01, 2011

Page: 2 of 3 Part 1

QUALITY CONTROL REPORT

WHI11000224.1

		SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1076901	Soil	220.0	710.0	1.27	21.27	9.42	76.6	73	27.7	14.4	487	3.79	8.8	6.3	2.9	11.5	57.8	0.15	0.56	0.13
REP 1076901	QC			1.27	21.46	9.70	78.1	72	26.9	13.9	502	3.77	9.3	6.3	3.3	11.8	59.2	0.17	0.56	0.14
1076915	Soil	770.0	2070	1.43	30.75	8.76	78.6	94	31.1	13.8	239	2.84	7.8	3.9	3.9	2.6	27.7	0.07	0.65	0.17
REP 1076915	QC			1.43	30.97	8.85	75.0	95	32.4	14.2	239	2.92	7.7	3.8	3.1	2.7	27.4	0.11	0.63	0.18
1076923	Soil	425.0	1710	1.20	26.18	7.85	54.5	58	28.5	13.3	465	3.05	9.8	0.8	13.1	1.2	30.3	0.08	0.58	0.11
REP 1076923	QC																			
1076551	Soil	240.0	635.0	1.95	22.93	7.83	67.8	98	24.3	12.1	582	3.15	10.3	1.9	1.4	1.5	37.1	0.12	0.69	0.13
REP 1076551	QC			2.03	24.62	8.27	71.8	93	25.5	12.6	612	3.26	10.7	1.9	2.7	1.6	37.9	0.13	0.73	0.13
Reference Materials																				
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DS8	Standard			13.34	111.7	127.4	301.0	1721	38.5	7.9	610	2.40	24.1	2.9	108.0	7.2	65.5	2.22	5.33	6.72
STD DS8	Standard			13.69	111.8	121.7	304.7	1686	38.4	8.0	595	2.42	24.8	2.8	101.0	7.1	65.9	2.13	5.49	6.48
STD DS8	Standard			12.41	108.0	134.8	306.1	1799	39.8	7.5	632	2.53	23.8	2.8	114.2	7.0	74.4	2.28	5.54	7.06
STD DS8	Standard			13.26	102.2	130.1	301.3	1713	35.3	7.1	638	2.41	24.0	2.9	129.7	7.4	75.3	2.12	5.41	6.80
STD DS8	Standard			13.93	113.7	118.7	316.9	1767	36.9	7.8	605	2.47	25.3	2.8	112.4	6.7	66.6	2.32	5.32	6.63
STD DS8	Standard			12.73	108.0	113.1	295.7	1623	37.0	7.4	589	2.41	23.0	2.7	105.4	6.3	60.9	2.14	4.78	5.98
STD DS8	Standard			13.38	117.1	118.9	309.3	1663	40.7	8.4	611	2.53	23.1	2.9	96.8	6.9	68.2	2.05	5.37	6.50
STD DS8	Standard			12.97	113.2	111.5	289.8	1578	41.8	7.9	607	2.44	21.2	2.6	92.7	6.6	66.4	2.01	5.14	6.05
STD DS8	Standard			12.56	116.8	115.3	309.6	1767	39.0	7.8	585	2.42	22.7	2.5	106.6	5.9	54.8	2.00	3.92	5.70
STD DS8	Standard			12.63	113.7	112.8	301.5	1750	40.2	7.5	571	2.33	22.7	2.4	107.2	5.9	53.9	2.04	4.15	5.88
STD DS8	Standard			11.32	108.0	125.8	308.0	1645	39.0	7.2	603	2.45	25.6	2.7	118.7	6.4	66.5	2.50	6.15	6.68
STD DS8	Standard			11.53	106.2	122.0	303.0	1634	37.5	7.5	590	2.42	25.4	2.5	102.2	6.1	65.5	2.31	5.57	6.35
STD DOLOMITE-2 Expected																				
STD DS8 Expected				13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67



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Report Date:

August 01, 2011

Page:

2 of 3

Part 2

QUALITY CONTROL REPORT

WHI11000224.1

		1F30 Ca %	1F30 P %	1F30 La ppm	1F30 Cr ppm	1F30 Mg %	1F30 Ba ppm	1F30 Ti %	1F30 B ppm	1F30 Al %	1F30 Na %	1F30 K %	1F30 W ppm	1F30 Sc ppm	1F30 Ti ppm	1F30 S %	1F30 Hg ppb	1F30 Se ppm	1F30 Te ppm	1F30 Ga ppm	1F30 Cs ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1076901	Soil	0.79	0.092	18.1	38.1	1.01	253.6	0.184	3	2.42	0.034	0.10	0.2	5.5	0.24	0.03	32	0.4	<0.02	7.6	2.80
REP 1076901	QC	0.79	0.092	18.5	39.0	1.01	256.7	0.183	3	2.42	0.034	0.10	0.2	5.1	0.26	0.03	52	0.2	<0.02	7.4	2.92
1076915	Soil	0.34	0.078	16.6	43.2	0.91	201.0	0.096	1	2.42	0.019	0.05	<0.1	4.5	0.17	0.03	34	0.3	0.08	6.9	1.75
REP 1076915	QC	0.34	0.077	16.8	43.8	0.94	205.0	0.096	3	2.49	0.020	0.06	<0.1	4.7	0.17	0.03	38	0.4	0.02	7.1	1.76
1076923	Soil	0.36	0.050	9.3	31.3	0.69	129.4	0.089	<1	1.85	0.021	0.06	1.6	2.5	0.06	0.05	28	0.2	0.05	5.1	1.97
REP 1076923	QC																				
1076551	Soil	0.59	0.090	13.7	33.4	0.73	188.7	0.049	3	1.56	0.024	0.04	0.1	1.9	0.18	0.08	28	0.3	0.03	5.4	1.67
REP 1076551	QC	0.62	0.095	14.5	34.8	0.75	194.4	0.051	1	1.61	0.025	0.04	0.1	2.0	0.18	0.08	24	0.3	<0.02	5.9	1.72
Reference Materials																					
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DS8	Standard	0.70	0.074	15.9	119.3	0.60	258.0	0.118	3	0.92	0.084	0.40	3.0	2.3	5.46	0.15	202	5.7	5.20	4.5	2.45
STD DS8	Standard	0.71	0.078	16.7	122.2	0.60	265.6	0.120	2	0.93	0.087	0.40	2.8	2.4	5.26	0.15	193	5.4	5.02	4.7	2.48
STD DS8	Standard	0.73	0.076	16.0	120.2	0.63	267.8	0.120	3	0.95	0.090	0.42	2.8	2.3	5.42	0.16	219	5.3	5.10	4.6	2.37
STD DS8	Standard	0.72	0.080	18.0	114.2	0.60	273.2	0.124	4	0.93	0.089	0.40	2.9	2.3	5.10	0.15	218	5.5	4.55	4.7	2.37
STD DS8	Standard	0.70	0.081	15.0	120.6	0.60	268.1	0.113	3	0.94	0.088	0.41	2.7	2.2	5.30	0.15	201	4.8	4.77	4.6	2.46
STD DS8	Standard	0.69	0.078	14.5	109.3	0.59	255.9	0.110	3	0.92	0.086	0.40	2.8	2.3	4.94	0.15	220	4.7	4.74	4.4	2.26
STD DS8	Standard	0.72	0.065	16.0	125.7	0.62	251.8	0.129	2	0.93	0.088	0.41	2.8	2.1	5.05	0.16	191	5.1	4.62	4.3	2.29
STD DS8	Standard	0.70	0.069	16.0	128.2	0.60	251.3	0.133	2	0.90	0.086	0.40	2.5	2.3	4.60	0.16	181	4.9	4.53	4.1	2.23
STD DS8	Standard	0.67	0.082	12.4	121.1	0.59	235.1	0.112	3	0.88	0.081	0.40	2.6	2.1	5.08	0.15	196	4.5	4.59	4.2	2.23
STD DS8	Standard	0.66	0.076	12.8	117.9	0.58	239.5	0.111	4	0.86	0.081	0.39	2.7	2.0	4.96	0.15	208	5.1	4.51	4.0	2.25
STD DS8	Standard	0.66	0.084	13.1	113.5	0.59	261.7	0.102	3	0.87	0.089	0.41	2.8	1.8	5.39	0.16	195	4.9	4.75	4.2	2.43
STD DS8	Standard	0.66	0.084	12.7	111.3	0.58	254.0	0.102	4	0.88	0.092	0.41	2.7	1.8	5.05	0.16	188	5.1	4.53	4.2	2.32
STD DOLOMITE-2 Expected																					
STD DS8 Expected		0.7	0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48



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Project: 210800

Report Date: August 01, 2011

Page: 2 of 3 Part 3

QUALITY CONTROL REPORT

WHI11000224.1

		1F30 Ge ppm 0.1	1F30 Hf ppm 0.02	1F30 Nb ppm 0.02	1F30 Rb ppm 0.1	1F30 Sn ppm 0.1	1F30 Ta ppm 0.05	1F30 Zr ppm 0.1	1F30 Y ppm 0.01	1F30 Ce ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2	LOI %	
1076901	Soil	<0.1	0.12	2.16	24.6	1.2	<0.05	5.5	7.99	32.8	0.03	<1	0.4	24.8	<10	<2	13.4	
REP 1076901	QC	<0.1	0.10	2.21	26.3	1.2	<0.05	6.1	8.08	30.8	0.03	<1	0.6	26.3	<10	<2		
1076915	Soil	<0.1	0.04	0.88	12.9	0.7	<0.05	2.1	11.05	28.4	0.03	<1	0.3	19.0	<10	<2	9.9	
REP 1076915	QC	<0.1	0.05	0.93	12.8	0.7	<0.05	2.1	11.13	28.8	0.03	<1	0.7	18.6	<10	<2		
1076923	Soil	<0.1	0.04	1.01	7.5	0.5	<0.05	2.3	6.14	22.4	0.02	<1	0.4	12.8	<10	<2	13.8	
REP 1076923	QC																13.9	
1076551	Soil	<0.1	0.02	1.14	9.3	0.6	<0.05	1.2	5.70	25.1	<0.02	<1	0.2	15.9	<10	<2	20.0	
REP 1076551	QC	<0.1	0.02	1.15	9.5	0.6	<0.05	1.3	6.03	25.6	0.02	<1	0.4	17.5	<10	<2		
Reference Materials																		
STD DOLOMITE-2	Standard																	45.9
STD DOLOMITE-2	Standard																	45.3
STD DOLOMITE-2	Standard																	45.7
STD DOLOMITE-2	Standard																	45.9
STD DOLOMITE-2	Standard																	45.9
STD DOLOMITE-2	Standard																	46.2
STD DS8	Standard	<0.1	0.09	1.27	35.5	6.5	<0.05	2.3	6.05	27.5	2.17	49	4.9	25.7	123	323		
STD DS8	Standard	0.1	0.08	1.33	37.4	6.7	<0.05	2.4	6.02	28.9	2.16	43	4.8	25.9	113	331		
STD DS8	Standard	0.1	0.09	1.23	37.1	6.4	<0.05	2.2	6.14	28.5	2.03	54	5.4	25.0	127	349		
STD DS8	Standard	0.1	0.10	1.35	36.7	6.3	<0.05	2.4	6.54	30.7	2.19	57	4.9	25.8	110	368		
STD DS8	Standard	0.1	0.07	1.31	38.7	6.6	<0.05	1.7	6.10	28.5	2.03	52	5.5	29.0	122	349		
STD DS8	Standard	<0.1	0.07	1.19	34.2	6.0	<0.05	1.9	5.67	27.6	2.04	53	5.0	26.1	105	307		
STD DS8	Standard	<0.1	0.08	1.19	36.1	6.5	<0.05	2.0	5.99	26.1	1.97	52	4.9	25.2	129	308		
STD DS8	Standard	<0.1	0.08	1.28	34.6	5.8	<0.05	2.1	6.02	26.3	1.94	50	4.3	21.6	113	299		
STD DS8	Standard	<0.1	0.06	1.12	35.1	5.9	<0.05	1.6	4.88	22.8	2.09	50	4.4	22.1	131	326		
STD DS8	Standard	<0.1	0.07	1.11	34.4	5.6	<0.05	1.6	4.85	23.3	2.00	53	5.8	27.2	127	320		
STD DS8	Standard	0.1	0.10	0.99	39.1	7.0	<0.05	1.8	5.36	22.4	2.11	53	4.7	29.2	115	327		
STD DS8	Standard	<0.1	0.07	0.99	38.1	6.6	<0.05	1.6	5.10	22.4	2.13	45	4.6	27.3	115	331		
STD DOLOMITE-2 Expected																		46
STD DS8 Expected		0.13	0.08	1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339		



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Report Date: August 01, 2011

Page: 3 of 3 Part 1

QUALITY CONTROL REPORT

WHI11000224.1

		SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
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
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
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
BLK	Blank			<0.01	0.17	<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
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
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



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Project: 210800

Report Date: August 01, 2011

Page: 3 of 3 Part 2

QUALITY CONTROL REPORT

WHI11000224.1

		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.01	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	<0.01	<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	<0.01	<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	<0.01	<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	<0.01	<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	<0.01	<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	<0.01	<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



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Report Date: August 01, 2011

Page: 3 of 3 **Part** 3

QUALITY CONTROL REPORT

WHI11000224.1

		1F30 Ge ppm 0.1	1F30 Hf ppm 0.02	1F30 Nb ppm 0.02	1F30 Rb ppm 0.1	1F30 Sn ppm 0.1	1F30 Ta ppm 0.05	1F30 Zr ppm 0.1	1F30 Y ppm 0.01	1F30 Ce ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2	LOI %
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	0.5	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	



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Submitted By: Andrea Langerud

Receiving Lab: Canada-Whitehorse

Received: June 16, 2011

Report Date: August 04, 2011

Page: 1 of 8

CERTIFICATE OF ANALYSIS

WHI11000225.1

CLIENT JOB INFORMATION

Project: 210800
Shipment ID: YTG-002
P.O. Number
Number of Samples: 182

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.

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

CC: Randy Farmer
Rupa Mukherjee

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	174	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	174	Dry at 60C			WHI
RJSV	174	Saving all or part of Soil Reject			WHI
1F06	182	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
2A05	182	Loss on Ignition at 1000 C		Completed	VAN

ADDITIONAL COMMENTS



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



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Project:

210800

Report Date:

August 04, 2011

Page:

2 of 8

Part 1

CERTIFICATE OF ANALYSIS

WHI11000225.1

	Method Analyte	Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
			ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%
			0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2
1076555	Soil		0.66	26.51	8.63	67.4	86	24.1	11.0	341	2.59	4.5	1.5	4.3	6.1	44.5	0.16	0.54	0.19	61
1075029	Soil		3.74	49.66	10.48	64.0	123	27.0	10.4	396	3.09	5.9	4.4	10.2	9.1	41.9	0.11	0.51	0.54	70
1075030 GS-1 STD	Soil		0.67	23.56	10.62	55.7	38	26.6	11.8	445	2.88	4.2	1.6	0.9	8.9	91.1	0.07	0.23	0.26	15
1075031	Soil		3.62	41.98	16.32	58.9	88	22.7	10.7	441	2.99	4.0	7.3	2.9	18.1	48.5	0.28	0.51	0.35	62
1075032	Soil		4.52	32.97	25.02	64.1	75	24.6	12.3	726	3.49	6.4	2.4	2.6	8.5	29.2	0.26	0.66	0.90	71
1075033	Soil		4.43	41.70	8.80	75.5	73	31.6	16.3	848	3.33	9.5	2.8	7.7	2.8	36.0	0.22	0.67	0.63	71
1075034	Soil		2.67	95.46	15.11	66.2	295	26.5	13.1	420	3.86	8.7	5.9	9.9	21.6	34.7	0.25	0.77	3.44	84
1075035	Soil		1.85	34.91	17.94	55.2	160	18.9	10.0	340	2.91	10.9	4.0	2.7	14.3	47.4	0.42	4.29	1.13	53
1075036	Soil		1.12	30.50	9.98	65.6	83	36.3	13.8	602	3.49	9.4	0.8	3.2	2.7	36.2	0.12	0.69	0.59	72
1075037	Soil		1.00	38.96	12.48	61.4	143	25.2	11.3	372	3.47	8.3	2.0	4.7	5.3	47.6	0.15	0.75	0.57	76
1075038	Soil		1.81	41.13	34.48	88.3	444	33.1	14.8	679	3.45	8.5	2.5	37.8	6.1	53.1	0.80	0.71	7.79	76
1075039	Soil		2.20	25.44	13.24	77.5	194	27.6	15.0	624	3.86	10.9	0.8	3.3	2.2	32.5	0.22	0.84	0.75	79
1075040	Soil		6.31	43.31	51.81	65.0	518	18.0	9.5	694	3.28	6.5	3.9	145.9	18.3	72.4	0.63	0.73	1.69	59
1075041	Soil		4.52	25.72	42.89	73.5	229	16.2	9.0	671	3.31	6.3	3.8	1.6	18.8	34.7	0.92	0.64	1.49	47
1075042	Soil		5.50	27.22	44.21	72.9	278	15.6	9.0	762	3.35	6.1	4.5	2.0	21.2	35.9	0.84	0.64	1.67	44
1075043	Soil		1.65	43.16	58.83	94.7	303	30.2	13.7	907	3.23	6.4	4.1	4.5	11.2	52.2	5.13	0.54	1.24	70
1075044	Soil		3.40	48.70	26.46	71.6	139	23.9	11.1	409	3.11	5.2	4.0	4.3	13.9	49.9	0.74	0.58	0.58	68
1075045	Soil		1.15	26.87	96.62	117.1	178	28.0	12.5	622	3.59	6.5	3.1	2.7	8.0	41.6	3.99	0.57	0.33	68
1075046	Soil		1.02	24.82	38.56	64.0	77	25.6	9.6	195	2.32	3.9	1.8	9.8	11.0	44.9	0.73	0.58	0.44	57
1075047	Soil		1.73	20.40	18.73	64.2	54	25.7	10.0	201	3.21	9.6	1.2	2.3	2.3	25.1	0.12	0.77	0.36	70
1075048	Soil		2.03	28.98	18.18	62.2	91	24.4	9.8	427	3.39	8.6	3.5	3.0	11.8	39.7	0.20	0.66	0.24	56
1075049	Soil		5.36	27.69	40.43	64.1	265	25.5	8.1	256	2.95	6.1	2.6	5.0	15.2	26.6	0.38	0.76	1.19	50
1075050 GS-1 STD	Soil		0.68	25.02	10.41	56.6	36	28.5	12.3	447	2.85	4.2	1.6	0.9	8.8	94.2	0.08	0.23	0.24	15
1075051	Soil		2.11	40.70	11.07	74.7	89	31.7	12.3	511	3.50	9.2	7.5	3.7	11.4	50.3	0.35	0.68	0.15	78
1075052	Soil		2.52	27.80	15.58	57.1	37	21.7	10.0	621	3.19	7.0	2.3	4.0	12.3	26.7	0.18	1.02	0.15	58
1075053	Soil		1.87	33.49	12.53	65.8	74	31.0	12.5	745	3.68	10.9	3.7	3.7	6.9	32.9	0.38	1.15	0.18	68
1077101	Soil		0.63	91.83	6.75	71.0	84	41.6	22.3	491	3.76	8.6	0.5	3.7	2.1	53.5	0.17	1.08	0.12	91
1077102	Soil		0.85	66.85	6.98	74.2	82	40.5	18.8	559	3.62	8.9	0.6	2.0	2.3	46.0	0.20	0.78	0.13	87
1077103	Soil		0.75	47.84	6.75	63.9	58	36.5	14.1	418	3.01	6.3	0.6	4.3	2.1	43.6	0.20	0.56	0.14	71
1077104	Soil		0.78	61.49	6.62	55.9	58	137.1	18.0	427	3.10	6.4	0.6	3.3	2.0	49.4	0.13	0.50	0.12	71



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Project: 210800
Report Date: August 04, 2011

Page: 2 of 8 Part 2

CERTIFICATE OF ANALYSIS

WHI11000225.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
1076555	Soil	11.3	43.1	0.85	267.8	0.152	3	2.00	0.025	0.12	0.2	4.1	0.22	0.02	29	0.4	<0.02	6.1	1.56	<0.1
1075029	Soil	21.8	38.9	0.77	177.2	0.145	2	2.17	0.024	0.08	0.2	6.2	0.14	<0.02	23	0.4	<0.02	6.0	1.88	<0.1
1075030 GS-1 STD	Soil	23.4	19.8	1.13	70.4	0.038	2	1.40	0.023	0.24	0.1	2.1	0.11	0.03	10	0.4	<0.02	3.9	1.04	<0.1
1075031	Soil	29.2	32.2	0.75	213.1	0.122	2	2.01	0.021	0.09	0.2	6.6	0.17	<0.02	41	0.4	<0.02	6.1	2.49	<0.1
1075032	Soil	12.5	33.4	0.68	134.0	0.105	2	1.94	0.011	0.07	0.5	4.5	0.13	0.03	20	0.4	0.03	6.0	2.34	<0.1
1075033	Soil	12.9	36.0	0.73	122.3	0.102	4	2.16	0.016	0.05	0.7	3.6	0.10	0.04	34	0.5	0.02	6.2	1.89	<0.1
1075034	Soil	33.0	40.2	0.78	213.3	0.164	2	2.32	0.016	0.12	3.0	8.5	0.25	<0.02	44	0.6	0.04	7.8	4.58	<0.1
1075035	Soil	24.2	35.0	0.57	167.3	0.094	2	1.74	0.047	0.07	0.4	5.9	0.10	<0.02	32	0.3	<0.02	5.1	2.71	<0.1
1075036	Soil	10.3	38.9	0.82	151.6	0.124	2	2.37	0.016	0.06	0.2	4.1	0.11	0.03	20	0.4	0.03	6.9	1.80	<0.1
1075037	Soil	20.6	38.8	0.75	157.7	0.154	3	2.37	0.019	0.07	0.2	5.5	0.15	<0.02	31	0.4	<0.02	6.8	2.03	<0.1
1075038	Soil	18.0	33.2	0.80	175.8	0.152	2	1.89	0.026	0.09	3.0	3.8	0.17	<0.02	30	0.3	0.22	6.0	2.74	<0.1
1075039	Soil	11.3	37.3	0.70	122.6	0.098	3	2.07	0.014	0.05	0.4	3.2	0.09	0.03	34	0.4	0.03	7.4	1.70	<0.1
1075040	Soil	36.7	27.9	0.70	245.4	0.099	2	2.16	0.015	0.13	0.7	5.4	0.25	<0.02	36	0.2	0.06	6.8	5.18	<0.1
1075041	Soil	25.3	21.0	0.58	206.9	0.067	1	1.95	0.009	0.14	0.4	5.4	0.23	<0.02	13	0.4	0.03	5.7	4.33	<0.1
1075042	Soil	33.7	19.3	0.57	227.8	0.055	1	2.00	0.008	0.16	0.3	6.4	0.24	<0.02	18	0.3	0.03	6.1	5.25	<0.1
1075043	Soil	25.4	37.6	0.66	222.4	0.155	2	2.09	0.022	0.09	0.4	7.1	0.15	<0.02	20	0.5	0.02	6.0	2.92	<0.1
1075044	Soil	25.9	39.1	0.64	166.6	0.142	2	2.15	0.021	0.08	0.3	7.4	0.14	<0.02	21	0.4	0.03	6.2	2.96	<0.1
1075045	Soil	19.3	38.7	0.71	205.3	0.103	2	2.41	0.014	0.06	0.2	6.2	0.13	<0.02	30	0.3	0.03	6.4	2.10	<0.1
1075046	Soil	22.0	33.2	0.73	206.0	0.109	1	2.26	0.014	0.06	0.2	4.9	0.16	<0.02	21	0.4	0.03	6.8	3.03	<0.1
1075047	Soil	12.1	43.5	0.87	119.8	0.068	3	2.27	0.009	0.04	0.1	3.2	0.16	0.03	26	0.3	<0.02	7.9	2.05	<0.1
1075048	Soil	28.6	29.3	0.73	234.7	0.084	2	2.31	0.013	0.07	0.2	5.3	0.11	<0.02	22	0.4	<0.02	5.8	3.29	<0.1
1075049	Soil	22.6	27.1	0.55	188.0	0.066	2	2.04	0.010	0.09	0.2	4.2	0.16	<0.02	17	0.5	0.03	5.5	4.73	<0.1
1075050 GS-1 STD	Soil	25.0	21.7	1.11	76.6	0.039	2	1.36	0.022	0.24	0.1	2.2	0.10	0.03	13	0.2	0.03	3.8	1.06	<0.1
1075051	Soil	34.1	42.4	0.75	219.0	0.142	3	2.02	0.034	0.07	0.7	6.3	0.10	<0.02	40	0.4	<0.02	5.8	2.36	<0.1
1075052	Soil	19.0	27.1	0.61	123.2	0.090	2	1.85	0.011	0.07	0.3	4.2	0.12	<0.02	18	0.4	0.02	4.9	4.01	<0.1
1075053	Soil	16.7	34.5	0.70	134.8	0.081	3	1.95	0.015	0.06	0.2	4.0	0.10	0.03	36	0.3	0.03	5.9	4.22	<0.1
1077101	Soil	10.9	69.2	1.19	188.9	0.206	2	2.45	0.047	0.21	<0.1	8.9	0.21	<0.02	20	0.2	0.02	7.1	2.66	0.1
1077102	Soil	11.7	62.7	1.06	186.6	0.184	2	2.41	0.047	0.13	0.1	7.8	0.12	<0.02	22	0.3	0.04	6.6	1.62	<0.1
1077103	Soil	10.8	47.4	0.74	127.0	0.142	2	2.02	0.037	0.05	<0.1	5.5	0.05	<0.02	19	0.3	<0.02	5.6	0.74	<0.1
1077104	Soil	11.0	60.0	1.16	129.2	0.146	3	2.99	0.042	0.06	<0.1	5.6	0.10	<0.02	21	0.3	0.04	5.9	1.67	<0.1



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Report Date: August 04, 2011

Page: 2 of 8 Part 3

CERTIFICATE OF ANALYSIS

WHI11000225.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1076555	Soil	1.26	20.3	0.8	<0.05	3.8	5.54	20.9	0.04	1	0.3	16.9	<10	<2
1075029	Soil	1.04	14.1	1.1	<0.05	7.7	10.97	37.9	0.04	<1	0.5	16.0	<10	<2
1075030 GS-1 STD	Soil	0.69	15.0	0.7	<0.05	1.1	8.27	43.1	<0.02	<1	0.3	33.2	<10	<2
1075031	Soil	0.69	18.5	0.9	<0.05	6.8	15.68	46.9	0.03	<1	0.7	14.6	<10	<2
1075032	Soil	1.19	13.3	1.5	<0.05	3.2	5.59	25.4	0.03	<1	0.3	13.9	<10	<2
1075033	Soil	1.03	9.6	0.8	<0.05	2.3	5.61	27.7	0.03	<1	0.5	14.8	<10	<2
1075034	Soil	0.98	27.3	1.6	<0.05	9.0	17.36	54.0	0.04	<1	0.8	18.4	<10	<2
1075035	Soil	0.74	12.2	0.6	<0.05	6.4	13.68	40.6	0.03	<1	0.3	12.5	<10	<2
1075036	Soil	1.23	9.3	0.9	<0.05	3.3	4.73	27.3	0.04	<1	0.5	16.4	<10	<2
1075037	Soil	1.13	10.8	0.8	<0.05	6.1	8.29	32.6	0.03	<1	0.6	16.9	<10	<2
1075038	Soil	1.03	14.8	1.3	<0.05	4.8	7.95	40.2	0.03	<1	0.4	16.5	<10	<2
1075039	Soil	1.22	10.7	0.7	<0.05	2.2	5.00	22.0	0.04	<1	0.5	17.7	<10	<2
1075040	Soil	0.80	20.9	1.5	<0.05	5.5	9.78	54.3	0.03	<1	0.9	12.4	<10	<2
1075041	Soil	0.63	20.3	1.1	<0.05	4.6	8.18	52.0	0.02	<1	1.3	10.0	<10	<2
1075042	Soil	0.57	23.2	1.7	<0.05	4.7	9.79	65.6	0.03	<1	1.3	8.9	<10	<2
1075043	Soil	0.40	14.0	0.9	<0.05	11.3	13.17	53.1	0.04	<1	0.5	12.8	<10	<2
1075044	Soil	0.78	14.8	1.1	<0.05	11.1	13.07	45.3	0.03	<1	0.7	12.8	<10	<2
1075045	Soil	0.67	12.0	0.8	<0.05	3.7	9.64	34.0	0.04	<1	0.5	15.0	<10	<2
1075046	Soil	0.91	9.9	1.4	<0.05	4.0	7.91	41.4	0.03	<1	0.8	15.3	<10	<2
1075047	Soil	1.00	8.3	0.8	<0.05	1.4	4.33	23.0	0.04	<1	0.4	16.8	<10	<2
1075048	Soil	0.68	12.0	1.9	<0.05	4.0	11.13	48.3	0.03	<1	0.9	13.0	<10	<2
1075049	Soil	0.72	15.8	0.9	<0.05	5.1	6.30	37.8	0.04	<1	0.6	11.4	<10	<2
1075050 GS-1 STD	Soil	0.67	15.7	0.7	<0.05	1.1	8.43	46.0	<0.02	<1	0.3	31.6	<10	<2
1075051	Soil	0.71	10.9	1.2	<0.05	10.5	14.77	50.3	0.03	<1	0.6	14.4	<10	<2
1075052	Soil	0.75	10.2	0.7	<0.05	4.1	6.01	36.9	0.04	<1	0.7	11.0	<10	<2
1075053	Soil	0.90	10.8	0.8	<0.05	2.6	7.11	38.9	0.04	1	0.7	14.1	<10	<2
1077101	Soil	0.30	12.1	1.6	<0.05	8.5	10.84	20.2	0.03	<1	0.3	19.8	<10	<2
1077102	Soil	0.48	9.1	0.8	<0.05	7.1	10.19	23.6	0.04	<1	0.2	18.6	<10	<2
1077103	Soil	0.55	6.0	1.3	<0.05	7.2	8.53	22.7	<0.02	<1	0.2	11.7	<10	<2
1077104	Soil	0.48	6.9	0.8	<0.05	5.0	8.58	20.7	0.04	<1	0.4	14.6	<10	<2



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Project: 210800
Report Date: August 04, 2011

Page: 3 of 8 **Part** 1

CERTIFICATE OF ANALYSIS

WHI11000225.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.01	ppm 0.01	ppm 0.01	ppm 0.1	ppb 2	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.1	ppm 0.1	ppb 0.2	ppm 0.1	ppm 0.5	ppm 0.01	ppm 0.02	ppm 0.02	ppm 2	% 0.01
1077105	Soil	2.28	36.76	11.00	127.6	81	37.0	16.9	827	3.63	10.5	0.8	2.7	0.6	37.8	0.42	0.96	0.19	75	0.50
1077106	Soil	0.51	95.69	5.29	49.3	71	108.4	18.3	322	2.83	6.0	0.5	1.8	1.7	79.8	0.13	0.35	0.10	62	1.10
1077107	Soil	0.56	73.41	6.95	61.8	87	112.6	26.6	365	3.32	19.6	0.6	4.4	2.1	44.2	0.24	0.61	0.16	74	0.81
1077108	Soil	0.63	44.80	4.96	64.9	59	41.2	20.9	372	3.25	54.8	0.5	2.4	1.7	38.1	0.11	0.82	0.15	81	0.57
1077109	Soil	0.80	145.4	5.51	62.8	149	79.6	26.2	473	3.85	63.3	0.5	16.6	1.6	31.5	0.22	1.89	0.57	94	0.73
1077110 GS-1 STD	Soil	0.62	19.18	8.80	51.7	39	24.7	10.9	418	2.72	4.9	1.4	2.0	6.7	98.8	0.09	0.20	0.23	13	3.76
1077111	Soil	0.54	57.53	6.40	50.2	129	50.6	13.5	293	2.77	13.6	0.4	3.3	1.7	44.0	0.15	0.90	0.15	63	0.78
1077112	Soil	0.54	48.85	5.34	427.6	50	55.6	16.1	347	2.76	7.9	0.5	2.4	1.6	39.3	0.23	0.42	0.10	61	0.47
1077113	Soil	1.94	86.48	9.29	84.2	138	102.8	29.1	695	3.78	20.0	0.7	3.5	1.2	50.7	0.23	0.80	0.24	67	0.65
1077114	Soil	1.36	55.62	7.77	71.9	121	54.6	21.0	700	3.32	15.7	0.7	4.1	1.0	71.5	0.22	0.72	0.19	63	0.69
1077115	Soil	11.34	14.86	32.91	29.6	106	12.8	4.8	448	1.94	8.1	6.8	1.2	22.3	20.2	0.08	1.15	0.11	9	0.27
1077116	Soil	1.08	29.72	7.52	66.6	144	70.4	19.9	691	3.25	77.1	0.5	4.5	1.0	38.4	0.14	0.80	0.18	61	0.58
1077117	Soil	1.39	51.62	4.90	43.5	130	35.7	18.8	627	3.68	15.5	0.7	1.8	0.8	40.4	0.07	1.76	0.11	78	0.59
1076931	Soil	1.57	29.09	17.50	73.2	102	32.0	12.3	484	3.47	10.2	1.7	2.6	3.7	28.5	0.25	0.48	0.22	69	0.48
1076932	Soil	2.79	27.31	51.12	84.2	167	30.5	12.2	509	3.25	8.1	1.8	2.8	6.1	30.8	0.52	0.44	0.19	70	0.44
1076933	Soil	2.03	32.15	28.49	79.2	184	24.1	13.3	393	3.45	7.4	6.8	4.8	12.0	31.0	0.46	0.94	0.26	74	0.56
1076934	Soil	1.97	27.83	51.50	89.9	142	31.4	13.0	629	3.20	10.5	1.5	12.6	3.7	32.0	0.80	0.43	0.26	71	0.47
1076935	Soil	1.99	36.10	33.80	80.9	199	28.1	12.5	279	3.19	8.2	3.4	3.9	9.3	32.1	0.54	0.57	0.27	77	0.50
1076936	Soil	1.81	28.46	15.72	72.4	76	19.1	10.9	594	3.79	7.0	3.3	2.2	14.3	28.7	0.24	0.61	0.16	75	0.53
1076937	Soil	1.21	35.44	61.35	90.7	277	30.9	14.9	784	3.63	11.5	2.7	2.2	8.8	30.5	0.68	0.51	0.25	71	0.43
1076938	Soil	1.84	22.55	9.36	89.0	54	27.7	14.4	706	3.27	11.1	1.0	2.4	1.5	34.7	0.30	0.64	0.14	66	0.57
1076939	Soil	1.79	23.25	54.70	97.6	461	28.4	12.7	573	3.53	8.2	4.2	3.6	11.0	34.8	0.77	1.08	0.55	70	0.55
1076940	Soil	1.32	23.24	15.91	68.8	47	32.2	12.8	432	3.00	7.4	0.6	5.0	3.5	44.7	0.43	0.42	0.13	65	0.46
1076941	Soil	1.72	26.84	9.71	71.4	85	30.5	15.7	594	3.36	9.8	2.2	2.8	4.6	27.9	0.12	0.63	0.15	67	0.37
1076942	Soil	1.51	31.98	10.15	68.9	79	33.8	14.2	550	3.39	9.4	2.6	3.0	6.4	32.3	0.12	0.64	0.15	68	0.40
1076943	Soil	1.03	33.67	11.29	78.7	110	33.3	12.8	408	3.26	9.3	3.0	4.7	10.2	34.5	0.12	0.69	0.17	73	0.44
1076944	Soil	1.49	25.45	9.53	73.0	76	28.4	15.2	657	3.38	9.9	1.4	1.4	2.9	28.8	0.11	0.64	0.16	68	0.38
1076945	Soil	1.67	40.14	20.17	70.7	329	31.8	12.9	601	3.14	9.8	2.7	2.2	6.7	37.3	0.13	0.87	0.74	67	0.52
1076946	Soil	1.02	30.62	11.63	77.3	149	29.3	13.1	246	3.02	11.8	4.0	2.6	10.2	41.2	0.19	0.75	0.19	69	0.40
1076947	Soil	1.53	19.63	12.06	63.1	99	22.4	11.0	486	3.06	14.3	1.0	1.3	1.7	31.9	0.12	0.57	0.14	57	0.45



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Project: 210800
Report Date: August 04, 2011

Page: 3 of 8 Part 2

CERTIFICATE OF ANALYSIS

WHI11000225.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
1077105	Soil	10.1	41.1	0.70	133.1	0.066	3	2.07	0.021	0.05	<0.1	2.9	0.08	0.07	61	0.4	0.07	7.1	1.63	<0.1
1077106	Soil	8.4	55.0	1.76	104.6	0.102	2	3.52	0.104	0.08	<0.1	4.9	0.07	<0.02	13	0.3	0.03	5.8	3.31	<0.1
1077107	Soil	10.5	104.6	1.45	121.1	0.146	3	3.07	0.073	0.09	<0.1	6.5	0.11	<0.02	21	0.4	0.06	6.2	3.97	<0.1
1077108	Soil	9.2	50.5	1.09	130.5	0.193	2	2.04	0.036	0.16	0.1	5.5	0.18	<0.02	14	0.4	0.03	6.1	3.52	<0.1
1077109	Soil	8.7	120.4	1.31	87.4	0.130	2	2.69	0.042	0.10	0.4	9.7	0.12	<0.02	29	0.4	0.10	6.3	9.62	<0.1
1077110 GS-1 STD	Soil	18.3	18.8	1.06	67.8	0.028	<1	1.15	0.019	0.20	0.1	1.8	0.10	0.07	7	0.1	<0.02	3.5	0.96	<0.1
1077111	Soil	8.5	75.7	1.18	109.9	0.079	1	2.54	0.035	0.06	0.1	7.2	0.06	<0.02	33	0.1	0.02	5.7	5.20	<0.1
1077112	Soil	9.0	50.0	0.93	95.8	0.100	1	2.29	0.029	0.05	0.1	4.9	0.06	<0.02	17	0.2	<0.02	5.4	1.81	<0.1
1077113	Soil	9.7	73.1	1.61	155.0	0.057	1	3.39	0.034	0.06	0.2	5.4	0.15	0.04	49	0.4	0.04	7.9	3.53	<0.1
1077114	Soil	10.0	49.7	1.21	125.0	0.068	1	2.62	0.049	0.05	0.2	4.0	0.08	0.04	27	0.3	<0.02	6.5	2.91	<0.1
1077115	Soil	29.9	14.6	0.13	66.2	0.001	1	0.66	0.004	0.12	0.4	3.4	0.09	<0.02	9	<0.1	<0.02	1.5	4.75	<0.1
1077116	Soil	8.1	97.7	1.28	253.3	0.063	2	2.84	0.051	0.07	0.5	4.5	0.14	0.03	30	0.3	<0.02	6.1	5.95	<0.1
1077117	Soil	7.0	45.7	0.85	150.2	0.019	<1	2.37	0.023	0.04	0.6	8.2	0.08	0.03	64	0.4	<0.02	5.7	4.78	<0.1
1076931	Soil	11.3	35.6	0.82	174.1	0.087	3	2.26	0.013	0.06	0.2	4.1	0.14	0.03	27	0.5	0.04	6.6	2.21	<0.1
1076932	Soil	14.5	39.8	0.85	168.9	0.108	1	2.34	0.015	0.06	0.4	4.5	0.17	0.02	20	0.3	<0.02	6.8	2.04	<0.1
1076933	Soil	22.9	36.9	0.84	177.3	0.128	1	2.23	0.020	0.07	0.3	5.6	0.17	<0.02	37	0.2	0.03	6.7	2.54	<0.1
1076934	Soil	10.7	35.3	0.78	147.1	0.107	2	2.01	0.020	0.06	0.3	3.7	0.10	0.02	24	<0.1	<0.02	5.9	1.76	<0.1
1076935	Soil	17.0	40.7	0.83	193.7	0.135	2	2.36	0.020	0.07	0.2	5.3	0.18	<0.02	39	0.4	0.04	6.5	1.76	<0.1
1076936	Soil	25.2	29.6	0.68	237.6	0.112	<1	1.90	0.015	0.17	0.4	8.3	0.25	<0.02	24	0.1	<0.02	5.4	5.16	<0.1
1076937	Soil	23.3	36.4	0.87	190.8	0.100	1	2.46	0.017	0.05	0.1	5.9	0.12	<0.02	26	0.5	0.03	6.6	1.88	<0.1
1076938	Soil	10.0	35.2	0.74	115.4	0.068	<1	1.79	0.021	0.04	0.1	2.8	0.07	0.05	37	0.3	0.02	6.0	1.42	<0.1
1076939	Soil	18.8	38.6	0.86	176.5	0.095	1	2.19	0.019	0.07	0.2	7.2	0.13	<0.02	36	0.4	0.03	6.5	4.09	<0.1
1076940	Soil	8.3	30.6	0.76	154.1	0.108	2	2.11	0.017	0.05	0.2	3.4	0.08	<0.02	13	0.5	0.05	5.9	1.60	<0.1
1076941	Soil	16.1	38.4	0.85	180.1	0.073	<1	2.35	0.013	0.04	0.2	4.7	0.15	0.02	28	0.2	0.06	6.4	1.77	<0.1
1076942	Soil	17.8	38.5	0.87	213.0	0.090	1	2.50	0.015	0.05	0.2	5.2	0.15	<0.02	29	0.3	0.03	6.4	1.85	<0.1
1076943	Soil	23.0	44.2	0.92	278.8	0.102	1	2.68	0.016	0.07	0.2	6.8	0.17	<0.02	29	0.5	0.03	7.1	2.02	<0.1
1076944	Soil	14.0	37.8	0.85	182.1	0.073	<1	2.34	0.013	0.04	0.2	3.8	0.13	0.02	27	0.4	0.03	6.9	1.48	<0.1
1076945	Soil	18.4	38.4	0.81	202.7	0.103	<1	2.22	0.018	0.06	0.2	5.6	0.13	<0.02	28	0.3	0.06	6.0	1.54	<0.1
1076946	Soil	23.1	40.6	0.89	185.2	0.095	<1	2.37	0.022	0.05	0.2	6.9	0.14	<0.02	37	0.4	0.05	6.4	1.53	<0.1
1076947	Soil	10.8	32.4	0.74	133.1	0.054	2	1.84	0.017	0.04	0.2	2.4	0.14	0.05	29	0.4	0.03	5.6	1.26	<0.1



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Page: 3 of 8 Part 3

CERTIFICATE OF ANALYSIS

WHI11000225.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1077105	Soil	0.75	9.5	2.1	<0.05	1.2	5.99	21.3	0.02	<1	0.4	13.6	<10	<2	18.9
1077106	Soil	0.25	6.8	0.8	<0.05	8.1	7.92	14.9	<0.02	<1	0.5	24.1	<10	<2	7.7
1077107	Soil	0.50	8.6	1.3	<0.05	10.5	9.20	22.3	0.02	<1	0.3	24.1	<10	<2	7.2
1077108	Soil	0.36	13.2	0.6	<0.05	5.8	8.55	18.7	0.02	<1	0.2	24.3	<10	<2	5.7
1077109	Soil	0.22	9.7	0.9	<0.05	3.8	9.90	16.4	0.02	<1	0.2	25.3	<10	<2	8.3
1077110 GS-1 STD	Soil	0.58	14.6	0.7	<0.05	0.9	7.54	35.0	0.02	<1	0.1	29.9	<10	<2	9.4
1077111	Soil	0.30	7.6	0.7	<0.05	7.2	8.92	15.9	0.03	<1	0.3	17.3	<10	<2	7.5
1077112	Soil	0.54	5.6	0.6	<0.05	5.4	8.02	17.9	<0.02	<1	0.4	12.6	33	<2	6.4
1077113	Soil	0.75	9.0	0.6	<0.05	3.0	8.45	22.3	0.03	<1	0.6	19.2	<10	<2	15.3
1077114	Soil	0.88	6.7	0.5	<0.05	2.3	7.95	25.1	0.03	<1	0.5	15.0	<10	<2	15.2
1077115	Soil	0.04	8.1	0.8	<0.05	2.7	20.14	53.3	<0.02	<1	0.9	3.3	<10	<2	7.3
1077116	Soil	0.71	11.8	0.6	<0.05	2.0	5.93	18.1	0.03	<1	0.4	15.2	<10	<2	12.4
1077117	Soil	0.37	5.2	0.5	<0.05	1.2	11.51	13.0	0.04	<1	0.8	13.1	<10	<2	14.5
1076931	Soil	1.24	13.1	0.7	<0.05	2.9	6.25	21.2	0.03	<1	0.8	17.5	<10	<2	13.1
1076932	Soil	1.31	11.9	0.7	<0.05	3.4	6.60	25.9	0.02	<1	0.5	17.8	<10	<2	10.9
1076933	Soil	1.43	18.4	0.8	<0.05	7.8	9.98	38.1	0.04	<1	0.6	18.2	<10	<2	8.0
1076934	Soil	1.06	11.6	0.5	<0.05	2.9	5.75	29.8	0.03	<1	0.1	14.3	<10	<2	10.0
1076935	Soil	1.31	15.2	0.9	<0.05	8.0	8.92	31.7	0.03	<1	0.3	16.8	<10	<2	8.2
1076936	Soil	0.77	25.4	0.8	<0.05	5.3	16.27	40.2	0.03	<1	0.8	14.7	<10	<2	8.2
1076937	Soil	0.97	10.3	0.8	<0.05	3.7	11.93	40.7	0.03	<1	1.2	16.7	<10	<2	8.7
1076938	Soil	1.00	8.1	0.6	<0.05	1.7	5.49	22.3	<0.02	<1	0.3	15.4	<10	<2	18.0
1076939	Soil	1.06	16.7	1.5	<0.05	4.2	9.41	36.1	0.03	<1	0.7	19.2	<10	<2	9.4
1076940	Soil	1.27	8.5	0.6	<0.05	3.9	4.96	20.0	<0.02	<1	0.5	14.1	<10	<2	9.2
1076941	Soil	1.00	10.0	0.6	<0.05	3.0	9.35	30.9	0.03	<1	0.5	16.3	<10	<2	9.9
1076942	Soil	1.08	11.0	0.6	<0.05	4.0	10.19	36.7	0.03	<1	0.4	16.8	<10	<2	8.4
1076943	Soil	1.03	14.6	1.0	<0.05	5.7	12.81	39.3	0.04	<1	0.8	19.0	<10	<2	8.3
1076944	Soil	0.95	9.5	0.6	<0.05	2.1	6.91	28.1	0.03	<1	0.3	15.1	<10	<2	10.5
1076945	Soil	0.94	10.5	1.3	<0.05	3.9	11.36	34.4	0.02	<1	0.4	15.0	<10	<2	8.6
1076946	Soil	0.81	15.4	0.6	<0.05	6.8	16.57	38.7	0.04	<1	0.2	16.9	<10	<2	7.1
1076947	Soil	0.90	7.3	0.7	<0.05	1.4	5.33	20.3	0.02	<1	0.2	13.9	<10	<2	16.0



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Report Date:

August 04, 2011

Page:

4 of 8

Part 1

CERTIFICATE OF ANALYSIS

WHI11000225.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
1076948	Soil	1.53	31.66	10.86	78.9	122	31.9	17.8	575	3.82	18.0	2.5	2.9	7.1	34.9	0.19	0.70	0.16	71	0.42
1076949	Soil	1.15	31.20	11.26	75.1	114	29.6	15.6	425	3.72	13.2	4.3	4.0	8.8	40.1	0.28	0.59	0.12	73	0.53
1075341	Soil	3.09	20.88	8.29	69.1	84	19.8	10.3	557	3.30	10.1	0.7	2.8	0.7	32.0	0.26	0.79	0.19	80	0.47
1075342	Soil	2.57	23.54	9.45	60.3	76	26.2	12.6	419	3.70	12.3	0.8	2.0	1.1	28.5	0.16	0.76	0.17	73	0.36
1075343	Soil	1.78	32.24	12.21	65.0	95	37.7	15.1	745	3.61	25.2	1.5	2.3	3.9	26.5	0.28	0.82	0.27	66	0.35
1075344	Soil	1.48	27.22	9.17	57.6	65	25.1	9.6	457	3.35	8.0	2.4	2.4	9.7	29.8	0.09	0.52	0.12	67	0.38
1075345	Soil	1.39	20.74	18.24	59.5	160	23.8	9.2	243	2.84	8.0	4.1	2.9	11.7	24.5	0.14	0.92	0.28	53	0.33
1075346	Soil	1.58	116.5	8.59	86.0	119	40.4	20.8	640	3.95	13.4	0.6	3.5	1.0	45.4	0.29	1.08	0.18	83	0.45
1075347	Soil	0.87	34.10	6.87	61.2	57	37.0	8.4	168	2.63	11.3	0.6	3.2	0.9	29.3	0.18	0.70	0.16	63	0.40
1075348	Soil	2.49	33.35	6.79	53.3	139	33.2	51.2	3027	7.17	19.3	0.9	2.4	0.7	29.1	0.18	0.70	0.17	65	0.38
1075349	Soil	1.61	41.07	9.03	103.3	81	56.6	17.7	662	3.77	12.6	0.7	3.1	0.6	35.3	0.33	0.96	0.23	81	0.49
1075350 GS-1 STD	Soil	0.59	23.02	9.50	52.5	39	25.3	11.2	430	2.78	4.1	1.6	0.7	8.1	86.7	0.07	0.21	0.24	19	3.89
1075351	Soil	1.66	40.44	8.97	80.2	79	45.9	18.3	742	3.63	12.9	0.8	6.2	0.8	35.7	0.38	0.93	0.21	81	0.48
1075352	Soil	1.05	77.68	6.27	72.0	109	113.2	25.3	650	3.02	11.3	0.6	28.7	0.6	38.9	0.21	1.20	0.48	68	0.63
1075353	Soil	1.91	44.09	8.16	80.7	118	30.0	15.7	831	3.01	9.7	0.8	2.1	0.4	51.9	0.17	0.90	0.41	69	0.85
1075354	Soil	1.80	68.20	7.12	65.6	85	54.0	22.0	712	3.54	119.6	0.6	5.1	0.5	37.3	0.11	1.15	1.90	87	0.48
1075355	Soil	2.35	36.30	9.24	83.7	99	34.0	19.0	897	3.85	12.0	0.8	1.6	0.5	34.8	0.23	1.14	0.20	86	0.46
1075356	Soil	1.51	36.42	8.57	71.1	68	44.0	19.3	730	3.45	12.7	0.7	1.4	0.6	37.7	0.21	0.91	0.20	75	0.58
1075357	Soil	1.37	36.57	8.16	77.1	68	51.0	19.0	721	3.63	14.2	0.7	3.8	1.0	37.5	0.31	0.90	0.19	80	0.53
1075358	Soil	2.12	37.39	8.79	68.1	79	35.8	16.9	643	3.84	13.2	0.7	3.2	0.5	28.7	0.13	0.97	0.20	89	0.38
1075359	Soil	1.93	32.19	7.01	47.1	107	21.9	11.9	452	2.94	8.0	0.8	3.1	0.4	32.4	0.09	0.78	0.17	67	0.38
1075360	Soil	0.83	44.02	6.32	63.6	76	54.4	17.0	519	3.16	57.9	0.5	6.8	1.1	52.5	0.27	0.98	1.06	77	0.60
1075361	Soil	0.76	56.82	7.74	62.3	61	49.0	21.8	597	3.37	17.8	0.5	1.8	1.4	39.7	0.23	0.97	0.24	90	0.54
1075362	Soil	0.73	64.89	7.56	60.2	75	44.5	22.0	600	3.41	19.5	0.5	4.3	1.6	45.7	0.21	1.06	0.24	91	0.58
1077118	Soil	1.32	29.83	9.92	63.2	74	26.4	15.0	343	3.91	11.1	2.0	2.0	7.1	37.9	0.16	0.66	0.15	79	0.50
1077119	Soil	0.62	37.77	8.03	62.7	143	28.3	8.8	343	2.98	7.4	2.8	4.2	9.5	50.2	0.11	0.50	0.29	71	0.57
1077120	Soil	0.75	37.62	17.24	69.6	252	27.0	11.0	453	3.18	24.5	2.6	3.7	8.6	44.6	0.32	0.59	0.14	79	0.62
1077121	Soil	1.52	28.72	8.55	59.4	88	26.6	12.0	316	3.05	10.4	1.6	1.8	2.7	28.5	0.07	0.77	0.19	65	0.37
1077122	Soil	0.68	26.06	8.07	56.0	43	24.7	9.9	371	2.69	7.0	2.1	4.9	9.6	36.6	0.09	0.48	0.12	68	0.55
1077123	Soil	1.38	30.22	9.36	67.2	106	29.4	14.5	665	3.32	12.1	1.6	4.7	3.0	34.8	0.10	0.73	0.18	72	0.41



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Project: 210800
Report Date: August 04, 2011

Page: 4 of 8 **Part** 2

CERTIFICATE OF ANALYSIS

WHI11000225.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
1076948	Soil	19.5	41.8	0.85	222.4	0.096	3	2.37	0.017	0.05	0.1	6.1	0.14	<0.02	33	0.5	0.05	6.4	1.50	<0.1
1076949	Soil	18.2	40.2	0.82	200.8	0.118	1	2.32	0.019	0.06	0.2	7.0	0.13	<0.02	29	0.4	0.04	6.5	1.49	<0.1
1075341	Soil	7.1	28.7	0.45	120.8	0.056	1	1.28	0.013	0.05	0.1	2.0	0.08	0.04	25	0.6	0.04	7.5	1.09	<0.1
1075342	Soil	9.4	34.3	0.63	128.8	0.057	1	2.03	0.012	0.04	0.1	2.5	0.08	0.04	39	0.4	0.05	7.4	1.74	<0.1
1075343	Soil	10.1	35.4	0.78	163.4	0.078	2	2.48	0.014	0.06	<0.1	4.4	0.08	0.03	29	0.4	0.05	6.3	1.86	<0.1
1075344	Soil	14.4	34.7	0.70	181.1	0.114	<1	2.20	0.016	0.07	0.2	4.6	0.14	<0.02	37	0.2	<0.02	6.6	4.22	<0.1
1075345	Soil	22.1	31.0	0.67	159.1	0.062	<1	2.13	0.012	0.07	0.1	4.5	0.15	<0.02	45	0.3	<0.02	5.7	3.58	<0.1
1075346	Soil	8.2	42.7	0.83	137.0	0.081	1	2.29	0.025	0.05	<0.1	3.9	0.08	0.06	50	1.1	0.04	6.7	1.20	<0.1
1075347	Soil	10.3	36.4	0.73	96.1	0.067	3	1.97	0.032	0.03	0.1	3.4	0.09	0.06	29	0.4	0.02	5.6	1.08	<0.1
1075348	Soil	11.7	35.9	0.55	130.4	0.041	<1	2.07	0.020	0.04	0.1	3.4	0.13	0.11	84	0.8	0.04	4.7	1.12	<0.1
1075349	Soil	9.6	45.2	0.85	133.5	0.067	2	2.29	0.016	0.05	<0.1	3.1	0.08	0.06	35	0.4	0.06	6.8	1.31	<0.1
1075350 GS-1 STD	Soil	20.1	20.6	1.08	63.8	0.032	2	1.17	0.020	0.21	<0.1	2.1	0.10	0.03	6	0.3	0.02	3.5	0.99	<0.1
1075351	Soil	9.9	43.1	0.82	136.8	0.057	2	2.37	0.017	0.04	0.1	3.3	0.09	0.07	37	0.5	0.07	6.4	1.16	<0.1
1075352	Soil	7.4	63.5	1.04	105.7	0.066	3	2.25	0.021	0.05	0.2	3.5	0.08	0.06	36	0.5	0.09	5.7	3.55	<0.1
1075353	Soil	9.2	35.6	0.64	135.3	0.051	3	1.54	0.030	0.06	0.2	2.6	0.08	0.11	48	0.5	0.08	5.5	1.29	<0.1
1075354	Soil	7.9	46.2	0.84	144.5	0.070	2	2.04	0.020	0.05	0.1	3.2	0.09	0.06	21	0.4	0.05	6.7	4.20	<0.1
1075355	Soil	9.8	41.3	0.79	147.7	0.048	2	2.17	0.018	0.05	<0.1	2.7	0.09	0.06	33	0.4	0.05	6.6	1.09	<0.1
1075356	Soil	9.8	40.8	0.77	138.6	0.060	3	2.25	0.017	0.05	0.1	2.9	0.08	0.06	37	0.5	0.05	6.3	1.10	<0.1
1075357	Soil	11.7	41.9	0.88	162.4	0.073	4	2.37	0.020	0.05	<0.1	3.7	0.07	0.05	28	0.3	0.03	6.0	0.94	<0.1
1075358	Soil	9.2	42.6	0.75	105.4	0.067	3	2.22	0.013	0.05	0.1	2.9	0.06	0.06	32	0.5	0.05	7.4	1.15	<0.1
1075359	Soil	9.8	32.8	0.53	97.4	0.046	2	1.41	0.024	0.04	0.1	2.2	0.08	0.09	59	0.6	0.06	5.0	1.07	<0.1
1075360	Soil	7.8	46.7	0.90	198.5	0.096	2	2.31	0.021	0.06	0.2	3.9	0.07	0.04	21	0.4	0.07	6.0	3.95	<0.1
1075361	Soil	7.4	48.3	0.97	166.5	0.125	3	2.67	0.021	0.07	0.1	5.4	0.08	0.02	24	0.4	0.04	6.7	1.97	<0.1
1075362	Soil	9.0	53.7	1.00	137.9	0.132	3	2.50	0.026	0.07	0.1	6.1	0.08	0.02	14	0.4	0.03	6.4	3.07	<0.1
1077118	Soil	17.8	39.7	0.77	190.5	0.127	2	2.06	0.017	0.05	0.2	5.6	0.15	<0.02	33	0.5	0.03	6.2	1.66	<0.1
1077119	Soil	19.6	43.2	0.76	224.4	0.125	2	2.14	0.016	0.06	0.1	7.0	0.13	<0.02	18	0.3	0.04	6.0	2.01	<0.1
1077120	Soil	18.9	38.5	0.78	213.8	0.145	2	1.97	0.028	0.07	0.2	6.5	0.13	<0.02	20	0.3	<0.02	5.9	1.61	<0.1
1077121	Soil	15.5	38.6	0.73	139.9	0.075	2	2.14	0.012	0.04	0.1	4.1	0.13	0.03	36	0.5	0.04	6.3	1.29	<0.1
1077122	Soil	17.6	35.6	0.72	194.2	0.147	1	1.75	0.018	0.05	0.2	4.6	0.18	<0.02	28	0.4	0.05	5.3	1.44	<0.1
1077123	Soil	15.2	39.0	0.81	174.4	0.087	2	2.29	0.014	0.04	0.2	4.0	0.16	0.03	25	0.7	<0.02	6.5	1.49	<0.1



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Report Date: August 04, 2011

Page: 4 of 8 Part 3

CERTIFICATE OF ANALYSIS

WHI11000225.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1076948	Soil	0.76	10.0	0.6	<0.05	5.1	13.64	35.7	0.03	<1	0.4	16.0	<10	<2
1076949	Soil	1.14	13.3	1.0	<0.05	6.2	14.05	33.8	0.03	<1	0.8	16.9	<10	<2
1075341	Soil	0.90	13.3	0.6	<0.05	1.4	2.98	14.1	0.03	<1	0.2	12.1	<10	<2
1075342	Soil	1.05	9.2	0.9	<0.05	1.7	4.76	21.4	0.04	<1	0.3	15.0	<10	<2
1075343	Soil	0.87	8.9	0.5	<0.05	2.7	8.18	30.1	0.02	<1	0.7	12.6	<10	<2
1075344	Soil	1.24	13.8	0.8	<0.05	5.9	6.44	30.0	0.02	<1	0.7	14.3	<10	<2
1075345	Soil	1.10	15.5	0.7	<0.05	2.8	9.98	39.9	0.04	<1	0.9	13.5	<10	<2
1075346	Soil	0.81	6.9	0.6	<0.05	1.8	5.96	20.3	0.03	<1	0.6	11.7	<10	<2
1075347	Soil	0.91	4.2	0.4	<0.05	2.7	7.66	21.1	<0.02	<1	0.2	11.5	<10	<2
1075348	Soil	0.68	4.7	0.5	<0.05	1.4	9.19	24.8	0.02	<1	0.5	8.1	<10	<2
1075349	Soil	0.68	8.1	0.6	<0.05	1.2	6.42	24.4	0.04	<1	0.4	15.2	<10	<2
1075350 GS-1 STD	Soil	0.58	13.6	0.7	<0.05	1.0	7.48	37.4	<0.02	<1	0.4	31.7	<10	<2
1075351	Soil	0.73	6.7	0.6	<0.05	1.7	6.95	27.7	0.04	<1	0.4	13.5	<10	<2
1075352	Soil	0.72	5.6	0.6	<0.05	1.7	5.17	16.2	0.03	<1	0.3	15.0	<10	<2
1075353	Soil	0.82	9.2	0.6	<0.05	1.5	6.53	19.5	0.03	<1	0.4	11.3	<10	<2
1075354	Soil	0.65	8.0	0.6	<0.05	1.1	5.40	20.9	0.03	<1	0.4	15.4	<10	<2
1075355	Soil	0.66	8.2	0.6	<0.05	0.9	6.04	22.2	0.04	<1	0.5	14.5	<10	<2
1075356	Soil	0.72	7.5	0.7	<0.05	1.2	6.89	34.5	0.03	<1	0.4	15.3	<10	<2
1075357	Soil	0.74	7.2	0.5	<0.05	1.7	7.55	35.8	0.03	<1	0.3	14.8	<10	<2
1075358	Soil	0.68	7.9	0.6	<0.05	1.0	5.87	23.7	0.03	<1	0.5	14.5	<10	<2
1075359	Soil	0.74	6.4	0.4	<0.05	1.0	5.38	18.9	<0.02	<1	0.4	10.0	<10	<2
1075360	Soil	0.83	6.6	0.6	<0.05	2.2	5.60	23.7	0.03	<1	0.4	15.5	<10	<2
1075361	Soil	0.88	6.6	0.6	<0.05	3.2	5.29	25.8	0.03	<1	0.6	15.1	<10	<2
1075362	Soil	0.79	6.6	0.6	<0.05	3.3	6.52	22.3	0.04	<1	0.5	16.9	<10	<2
1077118	Soil	1.14	8.7	0.7	<0.05	3.9	9.83	33.6	0.02	<1	0.5	15.9	<10	<2
1077119	Soil	0.50	11.2	0.9	<0.05	5.9	13.23	27.9	0.03	<1	0.6	15.6	<10	<2
1077120	Soil	0.46	12.5	0.7	<0.05	6.2	11.56	27.4	0.02	<1	0.4	17.1	<10	<2
1077121	Soil	0.87	8.5	0.6	<0.05	1.9	8.80	30.2	0.03	<1	0.4	14.6	<10	<2
1077122	Soil	0.69	11.2	0.7	<0.05	4.7	9.61	31.5	0.03	<1	0.2	16.6	<10	<2
1077123	Soil	0.87	9.4	0.5	<0.05	2.0	8.15	30.5	0.03	<1	0.5	15.8	<10	<2



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Report Date: August 04, 2011

Page: 5 of 8 Part 1

CERTIFICATE OF ANALYSIS

WHI11000225.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
1077124	Soil	1.10	36.28	8.68	75.6	119	32.8	12.9	622	3.40	10.8	3.2	3.3	11.4	44.3	0.16	0.64	0.15	79	0.58
1077125	Soil	1.22	32.53	9.08	70.6	118	29.4	10.8	392	3.17	12.5	4.2	6.5	7.7	51.6	0.10	0.64	0.16	70	0.50
1077126	Soil	1.54	33.26	10.08	69.9	100	31.2	13.1	422	3.19	22.8	3.1	3.1	5.3	35.9	0.10	0.74	0.17	70	0.49
1077127	Soil	1.53	30.64	8.21	66.4	81	30.1	13.0	444	3.28	10.6	1.8	4.4	2.7	35.9	0.09	0.79	0.17	67	0.43
1077128	Soil	1.69	30.27	8.99	73.6	96	31.2	12.6	367	3.19	10.7	1.9	2.5	2.9	30.4	0.10	0.70	0.17	67	0.41
1077129	Soil	2.87	20.84	8.62	81.8	73	26.9	11.7	404	3.19	11.6	1.2	1.9	2.1	31.5	0.11	0.77	0.21	66	0.45
1077130 GS-1 STD	Soil	0.63	23.49	10.15	53.2	39	25.7	11.5	429	2.76	4.2	1.6	0.7	8.3	87.9	0.07	0.21	0.24	20	3.82
1077131	Soil	1.64	25.33	7.96	63.2	74	26.3	11.4	502	3.13	8.5	1.7	1.5	2.9	32.2	0.10	0.60	0.15	70	0.44
1077132	Soil	2.76	26.93	10.53	73.2	138	29.5	12.0	458	3.16	9.4	1.9	3.2	2.1	32.9	0.11	0.72	0.23	67	0.47
1077133	Soil	3.75	28.81	8.42	66.4	61	32.1	11.9	352	3.10	8.0	2.0	2.8	3.9	32.4	0.09	0.61	0.17	67	0.43
1077134	Soil	3.78	33.07	8.89	59.6	76	28.7	8.9	347	2.93	6.5	2.0	3.4	5.2	38.7	0.09	0.56	0.18	66	0.52
1077135	Soil	1.65	38.88	8.51	64.5	72	30.5	11.1	442	3.27	7.0	1.8	3.1	7.0	42.3	0.13	0.52	0.16	80	0.60
1077136	Soil	7.50	37.84	8.88	66.6	126	31.9	13.1	307	3.05	7.3	2.6	2.7	7.0	39.0	0.26	0.67	0.18	78	0.57
1077137	Soil	1.40	39.76	9.40	76.0	106	35.4	12.4	417	3.28	10.2	2.0	3.6	4.6	46.1	0.12	0.64	0.17	74	0.59
1077138	Soil	1.03	32.85	8.09	60.8	67	28.3	9.9	252	2.98	9.3	2.4	3.0	6.2	38.3	0.06	0.60	0.17	66	0.44
1077139	Soil	0.89	26.07	7.21	64.2	49	30.5	10.9	357	3.25	7.3	1.7	6.3	5.2	66.0	0.12	0.56	0.20	63	0.61
1077140	Soil	1.75	36.36	10.52	73.5	127	29.8	14.0	493	3.26	9.0	3.1	7.2	4.6	39.4	0.10	0.82	0.26	66	0.49
1075054	Soil	1.29	423.7	10.99	70.4	223	117.8	59.4	561	6.83	112.5	0.7	73.6	1.5	65.2	0.36	7.79	3.69	79	0.53
1075055	Soil	1.00	41.41	8.03	64.9	63	43.4	17.2	590	3.40	13.2	0.6	2.4	1.3	36.5	0.17	0.77	0.21	77	0.46
1075056	Soil	1.41	34.94	8.10	62.9	75	37.7	16.3	519	3.30	13.2	0.7	3.1	1.0	39.3	0.16	0.87	0.25	69	0.60
1075057	Soil	1.71	49.96	9.21	72.4	92	49.7	20.7	721	4.00	16.6	0.8	4.0	0.8	36.2	0.23	1.18	0.48	77	0.60
1075058	Soil	1.04	55.35	7.04	66.2	137	46.8	29.6	643	3.69	47.7	0.7	3.4	1.5	37.9	0.19	5.03	0.32	86	0.57
1075059	Soil	1.15	33.86	7.88	65.3	77	39.2	17.1	473	3.39	15.5	0.5	3.4	1.1	34.6	0.25	1.35	0.18	80	0.57
1075060	Soil	0.66	92.75	8.07	67.0	171	63.2	23.6	473	3.47	65.2	0.3	4.6	2.4	42.3	0.26	3.47	0.55	80	0.79
1075061	Soil	0.49	51.19	7.20	54.8	72	36.8	13.9	318	2.89	8.7	0.6	6.0	2.5	35.6	0.12	0.76	0.16	70	0.47
1075062	Soil	0.68	67.62	8.17	64.3	102	51.2	17.1	419	3.26	9.8	0.7	7.2	2.7	42.9	0.16	0.80	0.17	80	0.61
1075063	Soil	0.57	56.49	5.72	57.4	61	31.9	13.8	414	3.45	7.0	0.5	2.3	1.8	34.2	0.08	0.47	0.11	90	0.45
1075064	Soil	1.19	35.14	6.82	67.3	68	31.0	17.2	647	3.81	9.3	0.5	5.5	1.0	27.6	0.16	0.77	0.15	90	0.40
1075065	Soil	1.25	31.60	7.73	68.4	48	36.3	17.4	693	3.60	11.7	0.7	2.6	1.2	30.5	0.19	0.80	0.16	74	0.43
1075066	Soil	1.31	38.17	7.74	58.6	86	31.8	15.2	684	3.25	10.6	0.8	5.0	1.2	31.4	0.13	0.76	0.17	74	0.38



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Project: 210800

Report Date: August 04, 2011

Page: 5 of 8 Part 2

CERTIFICATE OF ANALYSIS

WHI11000225.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
1077124	Soil	23.5	40.4	0.84	289.9	0.142	2	2.27	0.019	0.07	0.2	6.1	0.19	<0.02	39	0.5	0.04	6.6	1.93	<0.1
1077125	Soil	20.2	38.9	0.79	209.8	0.110	1	1.95	0.018	0.05	<0.1	6.4	0.13	<0.02	31	0.4	0.04	6.0	1.50	<0.1
1077126	Soil	19.1	41.9	0.82	198.9	0.096	2	2.16	0.017	0.05	0.1	5.4	0.14	<0.02	27	0.4	0.05	6.2	1.46	<0.1
1077127	Soil	16.9	38.4	0.78	161.9	0.080	2	2.20	0.017	0.04	0.1	4.6	0.13	0.02	37	0.5	<0.02	6.3	1.29	<0.1
1077128	Soil	15.6	40.0	0.82	156.6	0.080	1	2.28	0.014	0.04	0.1	4.0	0.15	0.03	33	0.5	0.02	6.3	1.39	<0.1
1077129	Soil	12.8	36.8	0.81	131.4	0.065	2	2.05	0.011	0.04	0.1	3.0	0.14	0.04	27	0.4	0.05	6.5	1.38	<0.1
1077130 GS-1 STD	Soil	22.4	19.3	1.06	68.0	0.036	2	1.17	0.021	0.22	0.1	2.2	0.11	0.03	7	0.3	0.05	3.5	0.98	<0.1
1077131	Soil	16.3	35.5	0.77	165.8	0.076	2	2.01	0.015	0.05	0.1	4.0	0.14	0.03	26	0.4	<0.02	5.8	1.45	<0.1
1077132	Soil	15.1	37.0	0.78	176.0	0.058	1	2.10	0.015	0.04	0.1	3.6	0.14	0.04	34	0.5	<0.02	6.2	1.54	<0.1
1077133	Soil	16.1	37.9	0.79	172.1	0.092	1	2.16	0.014	0.05	0.2	4.8	0.12	<0.02	21	0.4	0.04	5.8	1.39	<0.1
1077134	Soil	16.2	38.7	0.72	195.8	0.110	2	1.91	0.018	0.04	0.2	6.5	0.09	<0.02	22	0.3	<0.02	5.4	1.17	<0.1
1077135	Soil	20.4	42.6	0.78	248.6	0.148	2	2.21	0.022	0.07	0.3	7.2	0.12	<0.02	36	0.4	0.03	6.2	1.31	<0.1
1077136	Soil	21.0	39.2	0.76	232.7	0.117	2	1.83	0.030	0.07	0.6	6.8	0.11	<0.02	23	0.4	0.04	5.8	1.61	<0.1
1077137	Soil	18.2	46.1	0.81	212.2	0.120	2	2.20	0.022	0.05	0.1	6.8	0.11	<0.02	24	0.5	0.02	6.4	1.25	<0.1
1077138	Soil	17.5	36.9	0.78	201.3	0.114	2	2.16	0.014	0.05	0.2	4.6	0.17	<0.02	26	0.4	0.02	5.9	1.45	<0.1
1077139	Soil	14.7	41.7	1.11	234.5	0.092	1	2.47	0.028	0.05	0.2	4.6	0.16	<0.02	20	0.2	0.03	5.9	1.56	<0.1
1077140	Soil	19.3	42.0	0.82	216.2	0.084	2	2.34	0.018	0.05	0.1	5.2	0.18	0.03	40	0.5	0.02	6.2	1.63	<0.1
1075054	Soil	6.5	56.1	1.00	214.9	0.103	2	2.84	0.027	0.05	0.1	6.0	0.33	0.05	51	1.3	0.15	6.4	4.83	<0.1
1075055	Soil	8.8	39.4	0.90	169.4	0.105	2	2.52	0.024	0.06	0.1	4.2	0.07	0.03	31	0.4	<0.02	6.2	1.72	<0.1
1075056	Soil	9.5	38.7	0.84	155.8	0.071	2	2.27	0.021	0.05	0.1	3.5	0.08	0.05	28	0.4	0.03	6.1	1.46	<0.1
1075057	Soil	9.6	41.2	0.82	127.0	0.057	2	2.56	0.018	0.05	<0.1	4.5	0.10	0.06	33	0.4	0.03	6.4	4.86	<0.1
1075058	Soil	10.1	42.2	0.93	141.8	0.092	2	2.12	0.031	0.07	<0.1	6.5	0.10	0.03	38	0.4	0.03	5.6	7.31	<0.1
1075059	Soil	7.3	41.9	0.84	133.8	0.084	2	2.24	0.021	0.05	<0.1	4.4	0.06	0.03	28	0.4	0.04	6.6	3.35	<0.1
1075060	Soil	11.6	66.5	1.01	128.7	0.124	3	1.99	0.055	0.08	<0.1	8.9	0.08	<0.02	29	0.3	0.04	5.4	4.71	<0.1
1075061	Soil	12.3	49.0	0.78	130.1	0.126	2	2.04	0.031	0.06	<0.1	6.0	0.06	<0.02	33	0.3	0.03	5.0	0.92	<0.1
1075062	Soil	12.7	57.0	0.88	144.0	0.144	2	2.21	0.040	0.07	0.1	6.9	0.07	<0.02	32	0.3	0.04	5.8	1.06	<0.1
1075063	Soil	9.8	47.3	0.89	120.4	0.164	2	2.35	0.021	0.08	<0.1	6.3	0.05	<0.02	18	0.2	0.03	6.3	0.91	<0.1
1075064	Soil	7.3	41.5	0.77	86.9	0.104	2	2.00	0.018	0.06	0.1	3.2	0.05	0.04	34	0.3	0.04	6.3	1.05	<0.1
1075065	Soil	9.7	41.6	0.82	130.7	0.093	1	2.23	0.021	0.07	<0.1	3.7	0.07	0.05	38	0.3	0.04	6.0	1.01	<0.1
1075066	Soil	11.1	38.5	0.75	126.3	0.084	1	2.18	0.017	0.06	0.1	3.6	0.08	0.04	39	0.5	0.05	5.9	1.14	<0.1



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Report Date: August 04, 2011

Page: 5 of 8 **Part** 3

CERTIFICATE OF ANALYSIS

WHI11000225.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1077124	Soil	0.91	15.4	0.7	<0.05	4.4	13.62	34.8	0.04	<1	0.4	20.0	<10	<2
1077125	Soil	0.63	10.2	0.7	<0.05	4.0	13.34	34.0	0.03	<1	0.3	16.0	<10	<2
1077126	Soil	0.81	10.1	0.7	<0.05	2.7	11.81	33.8	0.04	1	0.3	16.0	<10	<2
1077127	Soil	0.85	10.6	0.6	<0.05	2.1	10.34	30.3	0.03	<1	0.5	15.2	<10	<2
1077128	Soil	0.89	9.5	0.6	<0.05	2.3	8.30	28.5	0.03	<1	0.5	17.4	<10	<2
1077129	Soil	0.90	10.2	0.6	<0.05	1.7	6.05	23.6	0.03	1	0.6	16.8	<10	<2
1077130 GS-1 STD	Soil	0.61	14.6	0.8	<0.05	1.0	7.93	40.8	<0.02	1	0.2	31.7	<10	<2
1077131	Soil	0.72	10.2	0.6	<0.05	1.4	8.15	29.1	0.03	<1	0.5	14.8	<10	<2
1077132	Soil	0.77	9.5	0.7	<0.05	1.6	7.89	27.9	0.02	<1	0.5	14.1	<10	<2
1077133	Soil	0.73	8.8	0.6	<0.05	2.8	9.03	29.9	0.03	<1	0.4	14.8	<10	<2
1077134	Soil	0.53	7.5	0.7	<0.05	5.2	12.41	25.6	0.02	<1	0.4	13.5	<10	<2
1077135	Soil	0.46	9.9	1.0	<0.05	6.5	12.86	30.5	0.04	<1	0.4	15.3	<10	<2
1077136	Soil	0.68	10.3	0.7	<0.05	6.4	15.08	37.2	0.03	<1	0.6	15.5	<10	<2
1077137	Soil	0.47	8.4	1.4	<0.05	4.8	13.29	30.4	0.04	<1	0.6	15.5	<10	<2
1077138	Soil	0.83	10.6	0.7	<0.05	3.8	9.70	29.9	0.03	<1	0.3	17.7	<10	<2
1077139	Soil	0.79	8.9	0.9	<0.05	3.0	8.80	28.0	0.03	<1	0.4	15.7	<10	<2
1077140	Soil	0.90	12.5	0.9	<0.05	2.4	10.61	33.5	0.03	<1	0.5	16.9	<10	<2
1075054	Soil	0.66	4.7	1.1	<0.05	3.7	6.18	14.6	0.03	<1	0.4	18.7	<10	<2
1075055	Soil	0.91	7.0	0.7	<0.05	2.8	5.65	22.2	0.03	<1	0.5	14.1	<10	<2
1075056	Soil	0.98	6.5	0.7	<0.05	2.3	5.67	23.9	0.03	<1	0.4	14.0	<10	<2
1075057	Soil	0.75	7.2	0.7	<0.05	1.6	7.78	30.6	0.04	<1	0.5	14.6	<10	<2
1075058	Soil	0.78	6.9	0.7	<0.05	2.7	7.63	23.7	0.03	<1	0.4	14.1	<10	<2
1075059	Soil	0.89	6.2	0.6	<0.05	2.4	4.55	15.0	0.03	<1	0.4	15.7	<10	<2
1075060	Soil	0.49	7.4	1.7	<0.05	9.6	11.42	22.0	0.05	<1	0.4	14.0	<10	<2
1075061	Soil	0.67	5.9	0.7	<0.05	9.2	9.84	23.3	0.04	<1	0.3	12.1	<10	<2
1075062	Soil	0.73	7.0	1.2	<0.05	10.4	11.05	23.2	0.03	<1	0.4	14.0	<10	<2
1075063	Soil	0.72	6.2	0.7	<0.05	4.8	9.14	18.3	0.02	<1	0.3	12.8	<10	<2
1075064	Soil	0.88	6.5	0.8	<0.05	2.2	5.05	15.7	0.03	<1	0.4	12.7	<10	<2
1075065	Soil	0.91	7.1	0.7	<0.05	2.2	6.64	26.7	0.03	<1	0.4	15.0	<10	<2
1075066	Soil	0.89	6.5	0.9	<0.05	2.5	6.91	22.0	0.02	<1	0.4	13.7	<10	<2



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Report Date:

August 04, 2011

Page:

6 of 8

Part 1

CERTIFICATE OF ANALYSIS

WHI11000225.1

	Method Analyte	Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
			ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
			0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2
1075067	Soil		0.89	35.67	6.57	68.0	59	31.2	15.4	609	3.58	7.3	0.5	2.6	1.4	30.1	0.13	1.12	0.14	77
1075068	Soil		0.75	35.59	5.44	63.9	47	35.9	15.8	373	3.38	7.3	0.5	6.1	1.9	31.6	0.23	0.66	0.11	91
1075069	Soil		1.25	33.66	7.14	67.7	89	28.8	17.7	916	3.38	7.7	0.8	6.3	1.2	33.3	0.19	0.72	0.14	80
1076556	Soil		3.06	27.66	10.06	69.8	80	26.9	12.3	514	3.11	9.2	3.5	4.0	4.0	47.6	0.25	0.75	0.19	63
1076557	Soil		2.59	25.16	7.96	61.5	93	22.5	11.0	440	2.75	8.1	2.9	4.3	2.6	47.8	0.13	0.69	0.18	53
1076558	Soil		1.46	20.37	7.28	72.4	33	26.7	15.9	591	3.69	8.4	1.1	2.3	2.4	45.1	0.20	0.57	0.16	66
1076559	Soil		1.76	38.29	12.29	73.8	128	32.5	13.0	376	3.24	8.6	3.1	3.3	9.8	33.7	0.23	1.06	0.23	64
1076560	Soil		3.16	28.87	9.83	74.7	81	26.9	12.6	404	3.17	7.1	4.2	3.0	6.9	37.1	0.09	0.67	0.45	68
1076561	Soil		3.79	30.98	13.79	104.0	158	30.5	17.2	395	4.15	28.6	7.7	2.8	4.9	64.7	0.46	1.60	0.15	82
1076562	Soil		4.36	30.82	12.71	103.8	147	33.3	17.7	517	4.01	22.5	5.8	2.1	4.9	61.3	0.52	1.53	0.13	79
1076563	Soil		1.38	27.69	8.84	61.7	59	28.0	10.4	355	2.88	7.9	2.3	2.4	4.0	35.7	0.11	0.64	0.21	59
1076564	Soil		4.60	35.70	10.12	69.8	130	28.2	12.7	451	3.14	12.2	3.6	4.1	2.9	48.5	0.14	0.77	0.38	63
1076565	Soil		3.97	33.57	10.63	68.5	90	26.7	11.0	347	3.16	22.6	9.2	4.8	7.3	47.3	0.18	0.91	0.22	71
1076566	Soil		5.41	31.64	13.91	71.2	121	30.3	11.3	248	3.00	110.9	8.7	3.2	5.6	47.4	0.13	1.64	0.38	63
1076567	Soil		6.02	23.45	8.44	62.8	106	21.6	11.8	550	2.75	9.5	3.1	3.3	0.6	38.0	0.10	0.54	0.18	56
1076568	Soil		9.08	33.02	10.49	74.2	126	27.2	12.5	608	3.19	15.2	11.3	3.1	2.6	44.4	0.12	0.71	0.39	67
1076569	Soil		4.05	40.02	12.38	79.3	101	24.9	11.8	406	3.18	5.1	14.2	3.4	13.1	63.0	0.37	0.69	0.42	72
1076570 GS-1 STD	Soil		0.63	20.81	10.00	53.3	38	26.4	11.3	422	2.81	4.0	1.6	0.5	8.1	87.2	0.08	0.22	0.26	14
1076571	Soil		2.71	44.17	13.60	86.3	149	34.2	14.7	787	3.59	10.5	3.6	9.0	6.7	38.3	0.32	0.76	0.54	75
1076572	Soil		5.36	32.92	15.62	82.7	157	31.7	11.9	434	3.38	10.0	5.0	3.4	10.4	39.8	0.20	0.67	0.34	70
1076950 GS-1 STD	Soil		0.66	23.84	9.32	54.1	40	26.5	11.8	423	2.77	4.4	1.5	3.0	7.9	84.6	0.08	0.26	0.26	14
1076851	Soil		1.13	24.90	7.57	67.4	124	25.5	14.7	272	2.99	9.7	1.4	7.4	1.9	39.4	0.22	0.80	0.18	61
1076852	Soil		0.74	37.03	8.37	72.5	89	27.3	11.2	330	2.77	7.8	1.1	2.8	3.8	34.5	0.18	0.83	0.17	69
1076853	Soil		0.70	29.73	6.77	67.3	78	25.6	12.8	1055	3.05	7.5	0.9	4.5	3.3	35.5	0.18	0.66	0.14	64
1076854	Soil		0.67	34.94	6.93	66.1	76	26.5	10.3	234	2.93	6.8	0.7	2.6	3.4	35.1	0.09	0.55	0.13	68
1076855	Soil		0.60	31.84	5.36	39.2	94	20.0	3.4	132	1.32	3.4	1.9	3.0	1.1	53.0	0.36	0.52	0.12	29
1076856	Soil		0.76	26.99	8.16	79.9	68	30.4	11.5	216	2.64	7.4	1.4	4.5	5.8	34.2	0.25	0.79	0.15	75
1076857	Soil		1.23	20.82	9.92	61.0	75	25.1	10.0	164	2.88	12.2	1.5	3.4	3.6	31.6	0.12	0.84	0.18	71
1076858	Soil		2.03	26.94	8.23	64.8	55	28.2	10.5	305	2.91	8.4	1.7	2.7	6.1	33.2	0.13	0.54	0.16	59
1076859	Soil		1.28	23.21	8.34	66.5	67	21.1	10.3	375	3.12	8.3	2.3	2.9	8.1	37.8	0.11	0.56	0.14	63



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Report Date: August 04, 2011

Page: 6 of 8 Part 2

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WHI11000225.1

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
1075067	Soil	8.0	37.7	0.87	144.2	0.098	2	2.23	0.018	0.07	<0.1	4.7	0.13	0.03	29	0.3	0.06	6.6	2.65	<0.1
1075068	Soil	8.7	46.6	0.86	105.6	0.159	2	1.96	0.033	0.05	0.1	4.2	0.06	<0.02	35	0.3	0.03	5.5	0.94	<0.1
1075069	Soil	12.2	42.2	0.67	139.8	0.083	2	2.12	0.020	0.05	0.2	5.3	0.08	0.04	53	0.4	0.05	6.2	2.03	<0.1
1076556	Soil	20.8	35.6	0.71	156.4	0.074	1	1.86	0.026	0.06	1.0	4.4	0.09	0.04	60	0.6	0.03	5.6	2.16	<0.1
1076557	Soil	18.3	27.2	0.64	137.7	0.067	2	1.61	0.030	0.05	0.4	3.5	0.10	0.05	32	0.6	0.03	4.8	2.26	<0.1
1076558	Soil	16.1	31.4	0.90	142.3	0.088	1	1.98	0.033	0.05	0.2	3.9	0.10	0.03	27	0.4	0.04	6.4	1.70	<0.1
1076559	Soil	26.3	41.2	0.82	196.1	0.096	2	2.14	0.025	0.05	0.4	5.8	0.14	0.02	39	0.5	0.04	5.9	2.04	<0.1
1076560	Soil	17.1	38.5	0.83	213.4	0.110	2	2.13	0.021	0.06	0.8	5.0	0.19	0.03	28	0.4	0.02	6.3	2.65	<0.1
1076561	Soil	22.0	77.4	1.30	153.8	0.131	2	2.55	0.053	0.08	0.2	7.8	0.15	<0.02	29	0.5	<0.02	7.5	3.22	<0.1
1076562	Soil	21.2	79.5	1.25	154.9	0.128	2	2.40	0.055	0.09	0.1	7.6	0.15	<0.02	19	0.5	0.03	7.3	3.01	<0.1
1076563	Soil	14.3	36.0	0.76	182.4	0.092	2	2.03	0.021	0.05	0.1	3.5	0.17	0.03	25	0.4	0.04	5.6	1.38	<0.1
1076564	Soil	15.9	38.7	0.78	196.7	0.073	1	2.11	0.020	0.04	0.1	4.0	0.15	0.04	39	0.4	0.02	6.0	1.45	<0.1
1076565	Soil	18.5	43.1	0.71	177.9	0.137	1	2.11	0.027	0.06	0.2	6.2	0.11	<0.02	32	0.4	0.04	5.8	1.30	<0.1
1076566	Soil	19.0	41.1	0.76	197.0	0.087	2	2.26	0.020	0.05	0.1	5.5	0.13	0.02	41	0.4	0.02	6.0	1.49	<0.1
1076567	Soil	13.0	32.6	0.67	142.3	0.034	<1	1.66	0.022	0.03	0.1	2.0	0.12	0.07	32	0.4	0.03	5.1	1.08	<0.1
1076568	Soil	16.4	39.8	0.77	188.6	0.066	2	2.17	0.023	0.04	0.2	3.8	0.13	0.06	27	0.6	0.05	6.1	1.57	<0.1
1076569	Soil	29.7	36.4	0.80	197.0	0.146	2	2.08	0.034	0.07	0.2	6.1	0.19	0.02	29	0.4	0.02	6.4	2.36	<0.1
1076570 GS-1 STD	Soil	21.6	20.0	1.05	67.8	0.034	<1	1.23	0.024	0.22	<0.1	2.0	0.10	0.03	7	0.3	0.02	3.6	0.99	<0.1
1076571	Soil	19.6	40.7	0.81	238.0	0.102	2	2.40	0.017	0.08	0.3	5.0	0.17	0.04	34	0.4	0.05	7.2	2.98	<0.1
1076572	Soil	20.9	43.4	0.80	199.6	0.093	2	2.34	0.020	0.06	0.2	6.0	0.14	0.03	40	0.5	0.07	6.4	2.27	<0.1
1076950 GS-1 STD	Soil	20.2	19.9	1.08	67.5	0.032	1	1.23	0.022	0.22	<0.1	2.1	0.10	0.08	<5	0.4	0.03	3.6	1.01	<0.1
1076851	Soil	17.1	41.2	0.72	122.2	0.069	2	1.88	0.024	0.04	0.2	4.4	0.11	0.14	35	0.6	<0.02	5.3	1.05	<0.1
1076852	Soil	15.6	43.0	0.72	176.9	0.112	2	2.21	0.019	0.04	0.1	6.1	0.09	<0.02	29	0.5	0.03	5.9	0.84	<0.1
1076853	Soil	13.7	39.0	0.68	154.8	0.109	1	1.99	0.022	0.04	0.1	5.3	0.07	<0.02	19	0.3	0.03	5.1	0.75	<0.1
1076854	Soil	13.0	41.8	0.75	155.0	0.127	2	2.14	0.022	0.05	0.1	5.4	0.08	<0.02	33	0.5	<0.02	5.6	0.82	<0.1
1076855	Soil	13.3	25.9	0.42	185.2	0.034	2	1.13	0.026	0.03	0.1	1.7	0.14	0.12	48	0.7	<0.02	3.2	0.95	<0.1
1076856	Soil	15.0	44.3	0.80	182.6	0.134	2	2.24	0.022	0.05	0.2	4.8	0.12	<0.02	28	0.3	0.03	6.6	1.31	<0.1
1076857	Soil	13.1	37.3	0.74	138.2	0.067	2	2.24	0.017	0.04	0.2	4.7	0.09	0.03	39	0.4	0.02	6.1	1.72	<0.1
1076858	Soil	13.3	36.7	0.77	143.4	0.116	2	1.97	0.020	0.04	0.2	4.1	0.10	<0.02	13	0.5	0.03	5.7	1.52	<0.1
1076859	Soil	18.5	35.0	0.71	160.5	0.121	2	1.95	0.020	0.05	0.2	4.6	0.12	0.02	26	0.5	<0.02	5.3	2.08	<0.1



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Project: 210800
Report Date: August 04, 2011

Page: 6 of 8 **Part** 3

CERTIFICATE OF ANALYSIS

WHI11000225.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1075067	Soil	0.91	7.2	0.7	<0.05	2.9	6.22	19.3	0.03	<1	0.4	15.0	<10	<2
1075068	Soil	0.84	5.1	0.6	<0.05	6.1	6.82	17.8	<0.02	<1	0.3	12.1	<10	<2
1075069	Soil	1.02	7.5	0.8	<0.05	2.4	10.29	25.8	0.03	<1	0.6	12.4	<10	<2
1076556	Soil	1.16	9.0	0.8	<0.05	3.0	12.19	34.4	0.03	<1	0.5	14.9	<10	<2
1076557	Soil	1.24	8.2	0.6	<0.05	3.0	11.46	29.8	0.03	<1	0.4	11.8	<10	<2
1076558	Soil	1.35	7.3	0.7	<0.05	3.2	9.81	33.6	0.03	<1	0.4	15.5	<10	<2
1076559	Soil	1.43	9.2	0.8	<0.05	5.6	18.70	45.3	<0.02	<1	0.6	17.8	<10	<2
1076560	Soil	1.19	12.7	1.0	<0.05	3.3	8.53	31.7	0.03	<1	0.4	19.9	<10	<2
1076561	Soil	1.33	18.2	1.4	<0.05	4.9	17.02	43.0	0.03	<1	0.5	30.7	<10	<2
1076562	Soil	1.25	18.9	1.4	<0.05	4.7	15.70	42.7	0.04	<1	0.5	29.4	<10	<2
1076563	Soil	0.97	9.7	0.7	<0.05	2.7	6.78	27.0	0.03	<1	0.4	16.3	<10	<2
1076564	Soil	0.97	9.9	0.8	<0.05	2.2	8.66	29.1	0.03	<1	0.5	16.2	<10	<2
1076565	Soil	1.16	10.2	1.1	<0.05	6.7	11.46	30.9	0.03	<1	0.5	14.7	<10	<2
1076566	Soil	0.88	11.3	0.9	<0.05	3.3	11.75	32.7	0.03	<1	0.5	15.3	<10	<2
1076567	Soil	0.69	8.5	0.5	<0.05	1.2	6.74	22.7	0.02	<1	0.4	11.6	<10	<2
1076568	Soil	1.02	9.6	0.9	<0.05	1.9	8.33	28.0	0.03	<1	0.3	17.3	<10	<2
1076569	Soil	1.60	19.1	0.9	<0.05	5.0	15.68	48.9	0.02	<1	0.5	19.7	<10	<2
1076570 GS-1 STD	Soil	0.60	14.4	0.7	<0.05	0.9	7.83	39.8	<0.02	<1	0.3	28.9	<10	<2
1076571	Soil	1.23	17.4	0.8	<0.05	2.4	9.75	42.1	0.03	<1	0.5	19.4	<10	<2
1076572	Soil	1.10	12.5	0.9	<0.05	2.8	10.90	34.0	0.03	<1	0.7	19.2	<10	<2
1076950 GS-1 STD	Soil	0.59	14.5	0.8	<0.05	0.9	7.56	37.7	0.03	1	0.3	28.8	<10	<2
1076851	Soil	0.99	7.3	0.6	<0.05	3.0	11.69	33.7	0.04	<1	0.4	13.1	<10	<2
1076852	Soil	0.89	5.6	0.8	<0.05	8.3	10.95	30.0	0.04	<1	0.4	13.7	<10	<2
1076853	Soil	0.83	5.3	0.7	<0.05	6.1	9.71	26.2	0.03	<1	0.3	12.4	<10	<2
1076854	Soil	0.92	6.6	0.8	<0.05	6.3	8.01	24.5	0.03	<1	0.4	13.9	11	<2
1076855	Soil	1.09	6.4	0.8	<0.05	2.7	7.35	26.5	<0.02	<1	0.2	7.4	<10	<2
1076856	Soil	1.42	9.3	0.9	<0.05	7.2	8.30	29.6	0.03	<1	0.4	16.4	<10	<2
1076857	Soil	1.03	8.0	0.7	<0.05	2.3	6.70	23.7	0.04	<1	0.5	15.8	<10	<2
1076858	Soil	0.95	9.1	0.7	<0.05	3.9	6.19	25.0	0.02	<1	0.5	17.5	<10	<2
1076859	Soil	1.50	9.8	0.8	<0.05	4.5	8.91	30.9	0.02	<1	0.5	17.2	<10	<2



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Project: 210800
Report Date: August 04, 2011

Page: 7 of 8 Part 1

CERTIFICATE OF ANALYSIS

WHI11000225.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.01	ppm 0.01	ppm 0.01	ppm 0.1	ppb 2	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.1	ppm 0.1	ppb 0.2	ppm 0.1	ppm 0.5	ppm 0.01	ppm 0.02	ppm 0.02	ppm 2	% 0.01
1076860	Soil	1.12	34.66	8.43	71.0	93	28.9	11.1	388	3.08	7.0	3.1	4.7	8.1	40.8	0.15	0.61	0.16	66	0.62
1076861	Soil	1.42	29.54	9.17	75.1	90	33.5	14.5	444	3.15	9.7	1.3	4.9	3.1	33.9	0.10	0.75	0.17	56	0.50
1076862	Soil	1.22	33.07	10.75	72.3	111	32.7	12.7	352	3.29	10.2	1.8	2.9	5.4	36.9	0.10	0.79	0.19	60	0.44
1076863	Soil	2.08	23.73	7.88	51.5	90	20.7	11.5	545	2.94	10.1	1.0	3.4	0.9	35.0	0.08	0.68	0.17	56	0.52
1076864	Soil	0.47	37.33	7.52	76.8	113	32.9	14.8	559	3.75	6.2	1.9	2.4	4.5	111.3	0.20	0.41	0.12	74	1.06
1076865	Soil	0.71	29.69	8.43	60.0	47	23.9	11.2	277	3.07	7.2	1.8	6.1	7.0	35.6	0.07	0.56	0.12	70	0.52
1076866	Soil	1.49	27.87	7.48	67.1	59	28.3	12.8	488	3.18	9.0	2.6	4.5	5.0	31.5	0.07	0.68	0.16	60	0.42
1076867	Soil	0.96	35.31	7.43	60.2	73	31.5	10.7	359	3.16	7.6	2.2	3.6	6.8	38.9	0.07	0.67	0.15	63	0.49
1076868	Soil	1.17	29.49	7.94	62.3	66	28.2	10.8	322	3.09	7.8	2.4	3.2	8.5	37.7	0.05	0.59	0.17	63	0.49
1076869	Soil	2.10	24.02	8.31	65.8	65	25.9	12.0	377	3.17	9.7	1.5	2.0	1.5	28.6	0.07	0.74	0.17	58	0.35
1075363	Soil	0.33	34.41	7.56	46.2	47	15.5	11.0	341	2.81	5.7	1.4	1.5	7.8	167.6	0.10	0.54	0.11	82	1.11
1075364	Soil	0.64	37.43	7.78	58.9	76	26.8	14.1	477	3.33	8.0	1.0	2.0	4.4	59.2	0.08	0.55	0.17	88	0.60
1075365	Soil	0.91	43.12	6.99	60.9	121	33.6	15.5	643	3.43	9.4	0.7	4.1	1.1	80.1	0.20	0.55	0.18	76	0.82
1075366	Soil	1.04	36.70	6.35	56.7	99	30.1	13.8	566	3.20	9.4	0.9	2.3	1.1	69.1	0.09	0.60	0.16	72	0.64
1075367	Soil	0.42	42.50	5.49	52.0	104	24.6	15.2	288	3.42	16.4	1.4	5.3	3.7	82.4	0.09	0.56	0.17	117	0.69
1075368	Soil	0.89	36.64	5.28	52.5	185	21.8	13.3	488	2.96	7.8	1.4	5.3	1.8	81.1	0.17	0.50	0.12	94	0.86
1075369	Soil	0.68	31.58	5.97	58.4	70	23.8	13.4	505	3.09	7.3	1.5	3.1	3.4	78.1	0.16	0.45	0.11	87	0.77
1075371	Soil	0.44	35.38	4.53	61.8	45	18.3	12.9	341	3.39	4.2	1.4	2.9	5.1	81.6	0.10	0.29	0.07	111	0.82
1075372	Soil	1.94	51.95	6.08	65.2	118	26.1	13.6	412	3.77	6.5	2.2	4.4	6.7	39.2	0.09	0.51	0.18	104	0.60
1075373	Soil	1.65	47.34	7.28	89.6	106	37.3	13.6	545	2.97	11.8	1.4	3.2	2.8	51.4	0.48	0.96	0.16	54	0.98
1075374	Soil	1.09	43.15	7.89	67.9	106	28.7	13.4	445	3.71	6.4	1.6	3.6	4.9	80.7	0.16	0.53	0.12	78	0.77
1075375	Soil	0.91	37.07	6.11	65.7	40	30.0	13.9	479	3.36	7.3	0.8	3.6	4.3	38.9	0.22	0.53	0.14	80	0.63
1075376	Soil	0.59	29.49	4.59	57.9	38	22.1	14.1	476	3.60	5.1	1.0	1.7	6.6	36.5	0.08	0.33	0.08	99	0.59
1075377	Soil	0.97	27.34	5.50	59.1	40	24.2	13.2	519	3.12	6.6	1.6	3.4	3.9	38.5	0.08	0.49	0.10	75	0.60
1075378	Soil	1.01	42.04	6.88	68.6	110	39.1	14.4	455	3.36	9.0	1.3	2.8	3.4	34.9	0.16	0.60	0.14	70	0.54
1075379	Soil	0.88	32.11	5.36	67.3	51	34.0	14.1	541	3.21	8.0	1.0	8.7	4.5	27.8	0.16	0.40	0.11	84	0.56
1075380	Soil	1.77	33.41	8.03	79.9	132	43.4	17.9	501	3.88	14.5	0.8	4.4	2.6	26.2	0.14	0.92	0.15	88	0.35
1075381	Soil	1.84	33.79	5.82	68.1	151	25.4	14.4	513	2.78	7.9	1.5	5.0	1.8	37.3	0.17	0.55	0.12	73	0.63
1075382	Soil	1.81	27.21	8.23	61.4	129	32.6	12.9	294	3.44	10.8	0.6	2.5	1.4	23.0	0.23	2.65	0.15	78	0.43
1075383	Soil	1.06	35.73	5.22	57.5	293	29.7	9.7	351	2.14	7.1	0.7	1.9	0.5	21.2	0.30	0.38	0.12	43	0.43



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Report Date: August 04, 2011

Page: 7 of 8 Part 2

CERTIFICATE OF ANALYSIS

WHI11000225.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
1076860	Soil	20.3	39.7	0.80	185.5	0.127	2	2.14	0.025	0.05	0.2	6.1	0.12	<0.02	32	0.4	<0.02	6.0	2.02	<0.1
1076861	Soil	16.0	37.6	0.81	130.2	0.078	2	2.22	0.017	0.04	0.1	4.0	0.12	0.02	34	0.6	0.03	6.1	1.30	<0.1
1076862	Soil	19.3	40.3	0.83	165.1	0.083	1	2.23	0.019	0.04	0.1	5.6	0.11	<0.02	30	0.6	0.04	5.9	1.58	<0.1
1076863	Soil	12.9	35.0	0.67	136.1	0.052	1	1.69	0.026	0.03	0.1	2.6	0.11	0.05	41	0.4	<0.02	5.5	1.09	<0.1
1076864	Soil	22.4	42.4	1.23	263.5	0.157	1	2.48	0.054	0.14	0.2	7.0	0.10	<0.02	23	0.5	0.03	6.4	2.90	<0.1
1076865	Soil	18.2	39.2	0.77	163.1	0.133	2	2.32	0.017	0.05	0.2	5.5	0.12	<0.02	21	0.6	0.03	6.4	1.76	<0.1
1076866	Soil	18.9	37.8	0.82	165.5	0.086	2	2.26	0.017	0.04	0.1	4.2	0.16	0.03	29	0.5	0.02	6.3	1.67	<0.1
1076867	Soil	20.5	40.8	0.83	213.4	0.115	2	2.24	0.021	0.05	0.1	5.6	0.12	<0.02	26	0.7	0.03	6.0	1.37	<0.1
1076868	Soil	17.7	39.0	0.82	182.1	0.112	2	2.17	0.018	0.05	0.2	4.6	0.16	<0.02	19	0.6	<0.02	6.1	1.67	<0.1
1076869	Soil	12.6	36.3	0.71	113.4	0.052	2	1.98	0.014	0.03	0.2	2.8	0.12	0.04	45	0.5	<0.02	5.9	1.23	<0.1
1075363	Soil	13.2	24.1	0.86	306.5	0.174	<1	3.13	0.061	0.28	0.1	2.7	0.35	<0.02	12	0.5	0.04	6.6	2.40	<0.1
1075364	Soil	8.3	30.6	0.93	277.5	0.207	2	2.67	0.018	0.17	0.2	3.0	0.24	0.03	16	0.4	0.02	7.0	2.46	<0.1
1075365	Soil	12.0	32.7	0.87	172.7	0.081	2	3.02	0.038	0.05	0.1	4.2	0.06	0.04	24	0.5	0.03	6.9	1.31	<0.1
1075366	Soil	12.0	34.8	0.74	139.6	0.070	1	2.80	0.038	0.05	0.2	4.1	0.06	0.05	40	0.5	0.03	6.5	1.30	<0.1
1075367	Soil	11.7	34.2	0.91	410.9	0.161	1	3.02	0.040	0.13	0.1	4.4	0.18	0.04	25	0.5	0.04	7.3	2.02	<0.1
1075368	Soil	11.7	31.9	0.77	286.5	0.105	2	2.33	0.036	0.12	0.2	3.4	0.13	0.09	34	0.8	0.03	5.8	1.38	<0.1
1075369	Soil	7.9	29.5	0.81	275.0	0.151	1	2.54	0.034	0.17	0.2	3.1	0.17	0.03	17	0.5	0.04	6.4	1.74	<0.1
1075371	Soil	12.6	29.9	1.05	348.1	0.250	<1	2.45	0.039	0.25	0.2	4.3	0.19	<0.02	10	0.4	0.03	6.7	1.66	<0.1
1075372	Soil	14.3	42.5	0.97	302.0	0.248	2	2.34	0.024	0.29	0.4	6.1	0.23	<0.02	32	0.4	0.03	6.7	1.71	<0.1
1075373	Soil	15.0	35.4	0.88	185.4	0.101	4	1.64	0.052	0.14	0.2	3.5	0.13	0.07	48	0.8	0.04	4.7	0.95	<0.1
1075374	Soil	18.2	39.0	0.96	270.9	0.166	1	2.29	0.043	0.14	0.2	6.4	0.13	<0.02	23	0.6	0.03	6.1	1.37	<0.1
1075375	Soil	11.0	33.3	0.84	239.5	0.178	1	2.10	0.023	0.15	0.2	3.6	0.18	<0.02	10	0.4	0.03	6.0	1.93	<0.1
1075376	Soil	12.1	29.8	1.01	432.1	0.286	<1	2.49	0.022	0.28	0.2	3.3	0.25	<0.02	15	0.4	<0.02	6.9	2.16	<0.1
1075377	Soil	11.8	30.9	0.77	239.3	0.175	1	1.78	0.028	0.10	0.2	3.4	0.11	<0.02	20	0.5	<0.02	5.3	1.16	<0.1
1075378	Soil	13.8	44.8	0.98	210.5	0.121	2	2.28	0.024	0.08	0.1	4.5	0.15	<0.02	26	0.6	0.03	6.1	1.36	<0.1
1075379	Soil	10.0	35.6	0.91	292.2	0.156	1	2.06	0.019	0.10	0.2	3.5	0.15	0.06	13	0.2	0.03	6.3	1.77	<0.1
1075380	Soil	9.5	48.6	0.91	193.4	0.091	1	2.55	0.017	0.07	0.1	4.6	0.13	<0.02	19	0.5	0.05	6.9	1.64	<0.1
1075381	Soil	7.7	33.9	0.74	232.7	0.098	1	1.60	0.021	0.07	0.2	3.2	0.13	0.05	35	0.7	0.04	5.3	1.60	<0.1
1075382	Soil	7.5	37.4	0.64	159.2	0.069	<1	1.71	0.015	0.05	0.2	2.7	0.07	0.03	26	0.4	0.04	6.3	1.63	<0.1
1075383	Soil	7.6	26.4	0.41	115.3	0.041	<1	1.15	0.024	0.03	0.1	1.9	0.08	0.03	29	0.5	0.05	4.1	0.91	<0.1



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Project: 210800
Report Date: August 04, 2011

Page: 7 of 8 Part 3

CERTIFICATE OF ANALYSIS

WHI11000225.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1076860	Soil	0.93	11.1	0.9	<0.05	4.6	12.61	33.0	0.04	<1	0.6	18.5	<10	<2
1076861	Soil	0.85	9.8	0.6	<0.05	2.3	9.25	31.3	0.03	<1	0.6	15.4	<10	<2
1076862	Soil	0.69	9.2	0.7	<0.05	2.9	13.92	34.5	0.02	<1	0.7	15.6	<10	<2
1076863	Soil	0.88	6.0	0.6	<0.05	1.5	6.25	23.0	0.03	<1	0.3	11.5	<10	<2
1076864	Soil	0.37	13.3	0.8	<0.05	9.9	16.25	39.8	0.03	<1	0.7	20.4	<10	<2
1076865	Soil	0.90	9.7	0.7	<0.05	4.9	9.63	31.2	0.02	<1	0.3	17.4	<10	<2
1076866	Soil	0.97	10.9	0.7	<0.05	2.0	9.62	33.5	0.03	<1	0.5	17.9	<10	<2
1076867	Soil	0.88	11.2	0.7	<0.05	4.1	11.99	31.3	0.03	<1	0.5	16.7	<10	<2
1076868	Soil	0.99	10.7	0.6	<0.05	3.0	8.78	32.0	0.03	<1	0.5	17.8	<10	<2
1076869	Soil	0.85	8.9	0.5	<0.05	1.1	6.20	23.1	0.04	<1	0.5	14.4	<10	<2
1075363	Soil	1.16	36.0	0.4	<0.05	1.8	5.00	24.4	<0.02	<1	0.5	14.7	<10	<2
1075364	Soil	1.82	24.7	0.5	<0.05	2.8	4.26	25.3	<0.02	<1	0.4	17.3	<10	<2
1075365	Soil	0.94	6.4	0.5	<0.05	2.5	8.53	34.2	0.03	<1	0.4	13.9	<10	<2
1075366	Soil	0.93	6.6	0.5	<0.05	2.5	8.36	25.0	0.03	<1	0.3	12.0	<10	<2
1075367	Soil	1.30	19.9	0.5	<0.05	2.9	6.85	22.0	0.02	<1	0.2	14.6	<10	<2
1075368	Soil	1.39	15.4	0.4	<0.05	2.5	7.63	21.8	0.02	<1	0.4	13.3	<10	<2
1075369	Soil	1.28	20.5	0.5	<0.05	2.1	4.40	24.5	0.02	<1	0.4	13.9	<10	<2
1075371	Soil	0.76	24.4	0.6	<0.05	4.8	8.70	22.0	0.03	<1	0.4	16.3	<10	<2
1075372	Soil	1.03	30.6	0.8	<0.05	6.7	10.94	24.5	0.03	<1	0.3	17.5	<10	<2
1075373	Soil	1.00	14.0	0.5	<0.05	3.9	9.89	27.7	0.03	<1	0.3	13.0	<10	<2
1075374	Soil	0.69	16.9	0.9	<0.05	7.1	14.08	30.7	0.03	<1	0.5	14.8	<10	<2
1075375	Soil	1.18	20.1	0.6	<0.05	3.8	6.27	27.6	<0.02	<1	0.4	14.4	<10	<2
1075376	Soil	1.61	32.0	0.5	<0.05	4.2	5.37	30.0	0.02	<1	0.4	16.8	<10	<2
1075377	Soil	1.36	14.0	0.6	<0.05	4.4	6.66	23.6	0.03	<1	0.1	13.4	<10	<2
1075378	Soil	1.10	14.6	0.6	<0.05	3.1	8.13	24.9	0.03	<1	0.5	15.9	<10	<2
1075379	Soil	1.24	18.3	0.5	<0.05	4.5	6.15	23.8	0.03	<1	0.3	16.6	<10	<2
1075380	Soil	1.12	10.6	0.7	<0.05	5.5	5.74	29.4	0.03	<1	0.6	16.2	<10	<2
1075381	Soil	1.50	14.1	0.4	<0.05	2.6	4.83	15.6	<0.02	<1	0.2	13.7	<10	<2
1075382	Soil	1.35	9.2	0.5	<0.05	2.2	3.89	18.1	<0.02	<1	0.4	16.1	<10	<2
1075383	Soil	0.85	6.1	0.3	<0.05	1.4	5.27	16.1	<0.02	<1	0.1	6.8	<10	<2



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Project: 210800
Report Date: August 04, 2011

Page: 8 of 8 **Part** 1

CERTIFICATE OF ANALYSIS

WHI11000225.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
1075384	Soil	1.36	28.65	6.72	70.2	167	35.4	16.2	355	3.41	11.5	0.7	2.0	1.5	22.9	0.39	0.56	0.13	76	0.41
1075370 GS-1 STD	Soil	0.65	20.17	8.23	51.5	32	26.0	11.8	414	2.74	4.5	1.3	0.8	6.8	83.7	0.05	0.18	0.19	14	3.84



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Project: 210800
Report Date: August 04, 2011

Page: 8 of 8 **Part** 2

CERTIFICATE OF ANALYSIS

WHI11000225.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
1075384	Soil	7.7	40.5	0.74	107.0	0.076	1	1.97	0.016	0.06	0.1	3.1	0.08	0.02	29	0.4	0.03	5.9	1.02	<0.1
1075370 GS-1 STD	Soil	16.1	20.9	1.07	66.4	0.029	<1	1.18	0.020	0.21	<0.1	1.9	0.10	0.03	<5	0.2	0.04	3.5	1.01	<0.1



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Project: 210800

Report Date: August 04, 2011

Page: 8 of 8 **Part** 3

CERTIFICATE OF ANALYSIS

WHI11000225.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1075384	Soil	1.43	10.0	0.4	<0.05	3.5	5.01	19.2	<0.02	<1	0.6	15.1	<10	<2
1075370 GS-1 STD	Soil	0.57	14.9	0.6	<0.05	0.9	7.23	32.2	<0.02	<1	0.3	28.5	<10	<2



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Project: 210800

Report Date: August 04, 2011

Page: 1 of 3 Part 1

QUALITY CONTROL REPORT

WHI11000225.1

Method Analyte Unit MDL	1F30 Mo ppm 0.01	1F30 Cu ppm 0.01	1F30 Pb ppm 0.01	1F30 Zn ppm 0.1	1F30 Ag ppb 2	1F30 Ni ppm 0.1	1F30 Co ppm 0.1	1F30 Mn ppm 1	1F30 Fe % 0.01	1F30 As ppm 0.1	1F30 U ppm 0.1	1F30 Au ppb 0.2	1F30 Th ppm 0.1	1F30 Sr ppm 0.5	1F30 Cd ppm 0.01	1F30 Sb ppm 0.02	1F30 Bi ppm 0.02	1F30 V ppm 2	1F30 Ca % 0.01	1F30 P % 0.001
Pulp Duplicates																				
1075032 Soil	4.52	32.97	25.02	64.1	75	24.6	12.3	726	3.49	6.4	2.4	2.6	8.5	29.2	0.26	0.66	0.90	71	0.45	0.035
REP 1075032 QC																				
1075036 Soil	1.12	30.50	9.98	65.6	83	36.3	13.8	602	3.49	9.4	0.8	3.2	2.7	36.2	0.12	0.69	0.59	72	0.49	0.041
REP 1075036 QC	1.10	31.00	10.16	66.2	86	37.8	14.2	600	3.57	9.8	0.8	2.9	2.8	35.8	0.13	0.71	0.64	75	0.50	0.044
1077107 Soil	0.56	73.41	6.95	61.8	87	112.6	26.6	365	3.32	19.6	0.6	4.4	2.1	44.2	0.24	0.61	0.16	74	0.81	0.064
REP 1077107 QC	0.54	72.81	7.04	62.7	92	114.3	26.1	361	3.30	19.7	0.6	3.5	2.2	44.3	0.24	0.61	0.16	75	0.83	0.066
1077114 Soil	1.36	55.62	7.77	71.9	121	54.6	21.0	700	3.32	15.7	0.7	4.1	1.0	71.5	0.22	0.72	0.19	63	0.69	0.069
REP 1077114 QC	1.31	57.13	7.85	71.4	110	55.8	21.3	701	3.34	15.8	0.7	2.5	0.9	71.3	0.22	0.75	0.18	64	0.70	0.069
1076944 Soil	1.49	25.45	9.53	73.0	76	28.4	15.2	657	3.38	9.9	1.4	1.4	2.9	28.8	0.11	0.64	0.16	68	0.38	0.082
REP 1076944 QC	1.53	25.23	9.80	76.9	75	29.1	15.2	665	3.48	10.4	1.5	3.2	3.2	30.7	0.12	0.63	0.16	71	0.37	0.085
1075342 Soil	2.57	23.54	9.45	60.3	76	26.2	12.6	419	3.70	12.3	0.8	2.0	1.1	28.5	0.16	0.76	0.17	73	0.36	0.055
REP 1075342 QC																				
1077120 Soil	0.75	37.62	17.24	69.6	252	27.0	11.0	453	3.18	24.5	2.6	3.7	8.6	44.6	0.32	0.59	0.14	79	0.62	0.083
REP 1077120 QC	0.78	36.62	17.37	69.4	239	27.7	11.3	456	3.18	24.2	2.5	3.7	8.7	44.9	0.33	0.57	0.13	79	0.61	0.081
1077122 Soil	0.68	26.06	8.07	56.0	43	24.7	9.9	371	2.69	7.0	2.1	4.9	9.6	36.6	0.09	0.48	0.12	68	0.55	0.081
REP 1077122 QC	0.71	26.06	7.94	56.7	48	25.2	10.1	378	2.72	7.3	2.2	6.6	9.7	36.9	0.09	0.49	0.12	69	0.56	0.084
1077139 Soil	0.89	26.07	7.21	64.2	49	30.5	10.9	357	3.25	7.3	1.7	6.3	5.2	66.0	0.12	0.56	0.20	63	0.61	0.084
REP 1077139 QC	0.83	26.38	7.12	67.2	53	30.9	11.3	354	3.34	7.4	1.8	4.6	5.1	67.9	0.14	0.54	0.18	64	0.61	0.085
1075058 Soil	1.04	55.35	7.04	66.2	137	46.8	29.6	643	3.69	47.7	0.7	3.4	1.5	37.9	0.19	5.03	0.32	86	0.57	0.041
REP 1075058 QC																				
1076560 Soil	3.16	28.87	9.83	74.7	81	26.9	12.6	404	3.17	7.1	4.2	3.0	6.9	37.1	0.09	0.67	0.45	68	0.58	0.082
REP 1076560 QC																				
1076569 Soil	4.05	40.02	12.38	79.3	101	24.9	11.8	406	3.18	5.1	14.2	3.4	13.1	63.0	0.37	0.69	0.42	72	0.67	0.086
REP 1076569 QC	3.93	39.46	11.59	75.0	102	24.0	11.4	389	3.11	5.0	13.9	3.9	12.9	60.6	0.36	0.65	0.41	70	0.67	0.083
1076950 GS-1 STD Soil	0.66	23.84	9.32	54.1	40	26.5	11.8	423	2.77	4.4	1.5	3.0	7.9	84.6	0.08	0.26	0.26	14	3.87	0.042
REP 1076950 GS-1 STD QC	0.60	23.43	9.58	52.3	37	25.5	11.8	417	2.77	4.4	1.5	1.4	7.9	82.1	0.05	0.24	0.26	14	3.88	0.042
1076851 Soil	1.13	24.90	7.57	67.4	124	25.5	14.7	272	2.99	9.7	1.4	7.4	1.9	39.4	0.22	0.80	0.18	61	0.74	0.129
REP 1076851 QC	1.05	24.42	7.20	70.6	117	24.3	14.0	269	3.00	9.6	1.4	4.9	1.9	38.3	0.18	0.76	0.17	62	0.74	0.122



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Page: 1 of 3 Part 2

QUALITY CONTROL REPORT

WHI11000225.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
Pulp Duplicates																					
1075032	Soil	12.5	33.4	0.68	134.0	0.105	2	1.94	0.011	0.07	0.5	4.5	0.13	0.03	20	0.4	0.03	6.0	2.34	<0.1	0.06
REP 1075032	QC																				
1075036	Soil	10.3	38.9	0.82	151.6	0.124	2	2.37	0.016	0.06	0.2	4.1	0.11	0.03	20	0.4	0.03	6.9	1.80	<0.1	0.06
REP 1075036	QC	10.3	37.8	0.83	158.7	0.132	3	2.45	0.016	0.06	0.2	4.1	0.10	0.03	24	0.4	0.03	7.0	1.81	<0.1	0.06
1077107	Soil	10.5	104.6	1.45	121.1	0.146	3	3.07	0.073	0.09	<0.1	6.5	0.11	<0.02	21	0.4	0.06	6.2	3.97	<0.1	0.21
REP 1077107	QC	10.5	104.6	1.46	121.7	0.144	3	3.10	0.075	0.09	<0.1	6.2	0.11	<0.02	21	0.4	<0.02	6.1	3.85	<0.1	0.23
1077114	Soil	10.0	49.7	1.21	125.0	0.068	1	2.62	0.049	0.05	0.2	4.0	0.08	0.04	27	0.3	<0.02	6.5	2.91	<0.1	0.04
REP 1077114	QC	10.0	50.4	1.22	125.2	0.069	2	2.62	0.050	0.05	0.1	4.1	0.08	0.05	30	0.4	0.04	6.4	2.93	<0.1	0.03
1076944	Soil	14.0	37.8	0.85	182.1	0.073	<1	2.34	0.013	0.04	0.2	3.8	0.13	0.02	27	0.4	0.03	6.9	1.48	<0.1	0.04
REP 1076944	QC	14.4	39.4	0.87	184.4	0.076	1	2.39	0.014	0.04	0.2	3.9	0.14	0.02	25	0.6	0.06	7.1	1.54	<0.1	0.05
1075342	Soil	9.4	34.3	0.63	128.8	0.057	1	2.03	0.012	0.04	0.1	2.5	0.08	0.04	39	0.4	0.05	7.4	1.74	<0.1	0.03
REP 1075342	QC																				
1077120	Soil	18.9	38.5	0.78	213.8	0.145	2	1.97	0.028	0.07	0.2	6.5	0.13	<0.02	20	0.3	<0.02	5.9	1.61	<0.1	0.11
REP 1077120	QC	18.6	39.5	0.78	214.8	0.137	2	1.98	0.028	0.07	0.1	6.0	0.13	<0.02	20	0.4	<0.02	5.8	1.62	<0.1	0.11
1077122	Soil	17.6	35.6	0.72	194.2	0.147	1	1.75	0.018	0.05	0.2	4.6	0.18	<0.02	28	0.4	0.05	5.3	1.44	<0.1	0.09
REP 1077122	QC	17.5	34.9	0.73	199.1	0.148	2	1.78	0.018	0.06	0.1	4.6	0.17	<0.02	22	0.2	0.05	5.5	1.45	<0.1	0.08
1077139	Soil	14.7	41.7	1.11	234.5	0.092	1	2.47	0.028	0.05	0.2	4.6	0.16	<0.02	20	0.2	0.03	5.9	1.56	<0.1	0.06
REP 1077139	QC	15.8	43.4	1.13	243.2	0.098	<1	2.47	0.028	0.05	0.2	4.8	0.16	<0.02	22	0.3	<0.02	6.4	1.61	<0.1	0.06
1075058	Soil	10.1	42.2	0.93	141.8	0.092	2	2.12	0.031	0.07	<0.1	6.5	0.10	0.03	38	0.4	0.03	5.6	7.31	<0.1	0.06
REP 1075058	QC																				
1076560	Soil	17.1	38.5	0.83	213.4	0.110	2	2.13	0.021	0.06	0.8	5.0	0.19	0.03	28	0.4	0.02	6.3	2.65	<0.1	0.06
REP 1076560	QC																				
1076569	Soil	29.7	36.4	0.80	197.0	0.146	2	2.08	0.034	0.07	0.2	6.1	0.19	0.02	29	0.4	0.02	6.4	2.36	<0.1	0.09
REP 1076569	QC	28.6	36.1	0.79	189.9	0.148	2	2.05	0.034	0.07	0.2	6.0	0.19	<0.02	33	0.3	0.04	6.0	2.31	<0.1	0.08
1076950 GS-1 STD	Soil	20.2	19.9	1.08	67.5	0.032	1	1.23	0.022	0.22	<0.1	2.1	0.10	0.08	<5	0.4	0.03	3.6	1.01	<0.1	0.02
REP 1076950 GS-1 STD	QC	19.6	19.9	1.09	68.6	0.032	2	1.23	0.022	0.22	0.1	2.0	0.10	0.03	13	0.4	<0.02	3.4	0.98	<0.1	0.03
1076851	Soil	17.1	41.2	0.72	122.2	0.069	2	1.88	0.024	0.04	0.2	4.4	0.11	0.14	35	0.6	<0.02	5.3	1.05	<0.1	0.07
REP 1076851	QC	16.9	40.5	0.72	120.4	0.068	1	1.86	0.023	0.04	0.2	4.5	0.10	0.05	37	0.5	0.02	5.4	1.02	<0.1	0.05



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Project: 210800

Report Date: August 04, 2011

Page: 1 of 3 Part 3

QUALITY CONTROL REPORT

WHI11000225.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
Pulp Duplicates															
1075032	Soil	1.19	13.3	1.5	<0.05	3.2	5.59	25.4	0.03	<1	0.3	13.9	<10	<2	11.5
REP 1075032	QC	11.5													
1075036	Soil	1.23	9.3	0.9	<0.05	3.3	4.73	27.3	0.04	<1	0.5	16.4	<10	<2	11.5
REP 1075036	QC	1.27	9.6	0.9	<0.05	3.5	4.78	27.0	0.02	<1	0.5	16.6	<10	<2	
1077107	Soil	0.50	8.6	1.3	<0.05	10.5	9.20	22.3	0.02	<1	0.3	24.1	<10	<2	7.2
REP 1077107	QC	0.46	8.6	1.6	<0.05	10.4	9.12	21.8	0.03	<1	0.3	24.1	<10	<2	
1077114	Soil	0.88	6.7	0.5	<0.05	2.3	7.95	25.1	0.03	<1	0.5	15.0	<10	<2	15.2
REP 1077114	QC	0.87	6.8	0.6	<0.05	2.2	8.04	25.5	0.03	<1	0.2	14.5	<10	<2	
1076944	Soil	0.95	9.5	0.6	<0.05	2.1	6.91	28.1	0.03	<1	0.3	15.1	<10	<2	10.5
REP 1076944	QC	1.03	10.4	0.6	<0.05	2.4	7.45	27.8	0.02	<1	1.0	15.8	<10	<2	
1075342	Soil	1.05	9.2	0.9	<0.05	1.7	4.76	21.4	0.04	<1	0.3	15.0	<10	<2	17.6
REP 1075342	QC	17.4													
1077120	Soil	0.46	12.5	0.7	<0.05	6.2	11.56	27.4	0.02	<1	0.4	17.1	<10	<2	6.4
REP 1077120	QC	0.43	12.6	0.7	<0.05	6.2	11.51	26.6	0.04	<1	0.2	16.2	<10	<2	
1077122	Soil	0.69	11.2	0.7	<0.05	4.7	9.61	31.5	0.03	<1	0.2	16.6	<10	<2	5.2
REP 1077122	QC	0.70	11.1	0.6	<0.05	4.8	9.96	31.4	0.02	<1	0.3	16.7	<10	<2	
1077139	Soil	0.79	8.9	0.9	<0.05	3.0	8.80	28.0	0.03	<1	0.4	15.7	<10	<2	8.9
REP 1077139	QC	0.87	9.5	0.9	<0.05	3.0	9.17	29.1	0.04	<1	0.6	15.8	<10	<2	
1075058	Soil	0.78	6.9	0.7	<0.05	2.7	7.63	23.7	0.03	<1	0.4	14.1	<10	<2	9.9
REP 1075058	QC	9.6													
1076560	Soil	1.19	12.7	1.0	<0.05	3.3	8.53	31.7	0.03	<1	0.4	19.9	<10	<2	10.1
REP 1076560	QC	10.1													
1076569	Soil	1.60	19.1	0.9	<0.05	5.0	15.68	48.9	0.02	<1	0.5	19.7	<10	<2	9.4
REP 1076569	QC	1.54	18.7	0.9	<0.05	4.9	14.81	46.9	<0.02	<1	0.4	19.7	<10	<2	
1076950 GS-1 STD	Soil	0.59	14.5	0.8	<0.05	0.9	7.56	37.7	0.03	1	0.3	28.8	<10	<2	8.5
REP 1076950 GS-1 STD	QC	0.57	14.2	0.7	<0.05	0.9	7.25	36.6	<0.02	<1	0.3	30.4	<10	<2	
1076851	Soil	0.99	7.3	0.6	<0.05	3.0	11.69	33.7	0.04	<1	0.4	13.1	<10	<2	15.7
REP 1076851	QC	0.90	6.7	0.6	<0.05	3.0	11.66	33.8	0.04	<1	0.3	13.8	<10	<2	



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Project: 210800

Report Date: August 04, 2011

Page: 2 of 3 Part 1

QUALITY CONTROL REPORT

WHI11000225.1

		1F30 Mo ppm 0.01	1F30 Cu ppm 0.01	1F30 Pb ppm 0.01	1F30 Zn ppm 0.1	1F30 Ag ppb 2	1F30 Ni ppm 0.1	1F30 Co ppm 0.1	1F30 Mn ppm 1	1F30 Fe % 0.01	1F30 As ppm 0.1	1F30 U ppm 0.1	1F30 Au ppb 0.2	1F30 Th ppm 0.1	1F30 Sr ppm 0.5	1F30 Cd ppm 0.01	1F30 Sb ppm 0.02	1F30 Bi ppm 0.02	1F30 V ppm 2	1F30 Ca % 0.01	1F30 P % 0.001
1075365	Soil	0.91	43.12	6.99	60.9	121	33.6	15.5	643	3.43	9.4	0.7	4.1	1.1	80.1	0.20	0.55	0.18	76	0.82	0.058
REP 1075365	QC																				
1075372	Soil	1.94	51.95	6.08	65.2	118	26.1	13.6	412	3.77	6.5	2.2	4.4	6.7	39.2	0.09	0.51	0.18	104	0.60	0.087
REP 1075372	QC	1.82	51.76	6.10	65.6	113	25.6	13.2	417	3.70	6.5	2.2	4.0	6.6	38.7	0.09	0.53	0.17	102	0.59	0.086
1075380	Soil	1.77	33.41	8.03	79.9	132	43.4	17.9	501	3.88	14.5	0.8	4.4	2.6	26.2	0.14	0.92	0.15	88	0.35	0.027
REP 1075380	QC	1.67	32.40	7.33	77.8	130	43.1	17.4	486	3.75	13.7	0.8	2.5	2.5	25.5	0.12	0.86	0.15	84	0.34	0.026
Reference Materials																					
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DS8	Standard	12.34	115.9	114.8	320.4	1754	34.8	6.9	610	2.40	23.7	2.7	113.5	6.9	75.0	2.56	5.73	6.80	43	0.68	0.078
STD DS8	Standard	12.31	116.7	119.6	326.0	1721	35.1	7.4	597	2.46	24.1	2.7	102.8	7.0	74.5	2.62	5.86	7.01	45	0.70	0.078
STD DS8	Standard	12.53	102.1	112.9	321.2	1748	37.5	7.7	617	2.43	26.9	2.5	116.8	6.1	59.1	2.47	5.26	5.97	40	0.70	0.086
STD DS8	Standard	12.03	101.4	107.8	308.9	1692	37.3	7.6	594	2.38	25.5	2.3	107.6	5.9	54.5	2.28	4.85	5.74	39	0.67	0.081
STD DS8	Standard	11.93	116.7	118.2	318.9	1697	35.5	7.0	603	2.47	23.3	2.8	109.3	7.0	74.9	2.63	6.09	7.03	41	0.74	0.075
STD DS8	Standard	12.96	124.8	118.4	324.7	1764	35.8	7.3	612	2.57	24.8	2.9	106.9	7.3	79.0	2.65	6.18	6.97	42	0.77	0.082
STD DS8	Standard	11.20	97.72	109.8	299.2	1663	34.5	6.7	588	2.39	25.0	2.4	96.0	6.0	69.9	2.18	4.94	5.75	37	0.66	0.080
STD DS8	Standard	11.94	103.1	117.2	309.7	1712	35.0	6.9	594	2.44	26.3	2.7	141.3	6.6	71.0	2.28	4.89	6.34	38	0.68	0.081
STD DS8	Standard	11.95	117.2	114.8	303.0	1696	35.5	6.9	578	2.40	23.8	2.6	108.5	6.8	70.1	2.45	5.91	6.76	37	0.66	0.075
STD DS8	Standard	12.11	117.7	112.5	314.2	1709	36.0	7.3	590	2.46	23.6	2.6	104.9	6.8	72.8	2.71	6.05	6.70	38	0.68	0.077
STD DS8	Standard	11.90	116.2	118.4	314.0	1724	34.3	7.0	597	2.41	24.2	2.7	108.0	6.6	70.3	2.59	6.12	6.89	39	0.69	0.083
STD DS8	Standard	12.47	115.2	124.1	330.4	1759	38.7	7.4	592	2.40	24.7	2.9	110.2	7.1	76.3	2.59	6.40	7.16	40	0.69	0.081
STD DS8	Standard	12.77	114.2	118.6	325.2	1783	39.6	8.0	619	2.51	27.4	2.8	111.8	7.2	71.6	2.52	5.87	6.86	40	0.72	0.085
STD DOLOMITE-2 Expected																					
STD DS8 Expected		13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001



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Project: 210800

Report Date: August 04, 2011

Page: 2 of 3 Part 2

QUALITY CONTROL REPORT

WHI11000225.1

		1F30 La ppm 0.5	1F30 Cr ppm 0.5	1F30 Mg % 0.01	1F30 Ba ppm 0.5	1F30 Ti % 0.001	1F30 B ppm 1	1F30 Al % 0.01	1F30 Na % 0.001	1F30 K % 0.01	1F30 W ppm 0.1	1F30 Sc ppm 0.1	1F30 Ti ppm 0.02	1F30 S % 0.02	1F30 Hg ppb 5	1F30 Se ppm 0.1	1F30 Te ppm 0.02	1F30 Ga ppm 0.1	1F30 Cs ppm 0.02	1F30 Ge ppm 0.1	1F30 Hf ppm 0.02
1075365	Soil	12.0	32.7	0.87	172.7	0.081	2	3.02	0.038	0.05	0.1	4.2	0.06	0.04	24	0.5	0.03	6.9	1.31	<0.1	0.06
REP 1075365	QC																				
1075372	Soil	14.3	42.5	0.97	302.0	0.248	2	2.34	0.024	0.29	0.4	6.1	0.23	<0.02	32	0.4	0.03	6.7	1.71	<0.1	0.12
REP 1075372	QC	14.6	42.7	0.95	325.4	0.244	2	2.29	0.024	0.29	0.4	6.1	0.24	<0.02	26	0.4	<0.02	6.5	1.75	<0.1	0.11
1075380	Soil	9.5	48.6	0.91	193.4	0.091	1	2.55	0.017	0.07	0.1	4.6	0.13	<0.02	19	0.5	0.05	6.9	1.64	<0.1	0.09
REP 1075380	QC	9.1	47.1	0.88	191.2	0.089	1	2.50	0.016	0.06	0.1	4.4	0.10	<0.02	23	0.4	0.03	6.5	1.60	<0.1	0.09
Reference Materials																					
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DS8	Standard	15.5	112.4	0.58	255.5	0.123	3	0.89	0.090	0.40	2.8	2.3	5.19	0.16	193	5.2	4.87	4.5	2.29	0.1	0.09
STD DS8	Standard	16.2	110.4	0.60	268.7	0.119	3	0.92	0.091	0.41	2.8	2.2	5.19	0.16	193	5.6	4.82	4.6	2.29	0.1	0.10
STD DS8	Standard	12.8	115.4	0.62	258.4	0.105	3	0.92	0.091	0.43	2.8	2.0	5.32	0.16	205	5.3	4.87	4.6	2.52	0.1	0.08
STD DS8	Standard	11.8	113.6	0.59	239.7	0.099	2	0.88	0.086	0.41	2.8	2.0	5.24	0.16	196	5.2	4.73	4.5	2.39	0.1	0.08
STD DS8	Standard	16.5	108.1	0.62	261.5	0.126	4	0.95	0.090	0.42	2.9	2.0	5.08	0.16	201	5.1	4.86	4.7	2.26	<0.1	0.08
STD DS8	Standard	18.4	118.9	0.63	280.9	0.137	3	0.99	0.095	0.44	3.0	2.2	5.21	0.16	200	5.4	4.97	4.8	2.39	0.1	0.11
STD DS8	Standard	14.0	104.6	0.60	241.7	0.100	3	0.92	0.093	0.41	2.5	2.0	4.66	0.14	175	5.0	4.77	4.4	2.21	0.1	0.08
STD DS8	Standard	15.2	108.6	0.60	268.4	0.105	2	0.94	0.099	0.42	2.7	2.1	5.13	0.15	176	5.1	5.16	4.7	2.33	<0.1	0.09
STD DS8	Standard	15.8	112.4	0.61	261.4	0.121	3	0.91	0.085	0.41	3.0	2.0	5.05	0.14	184	5.2	4.84	4.5	2.31	0.1	0.08
STD DS8	Standard	16.2	113.5	0.61	269.0	0.126	3	0.92	0.086	0.42	3.0	2.1	4.73	0.15	193	5.3	4.82	4.6	2.26	0.1	0.09
STD DS8	Standard	15.0	115.2	0.60	263.9	0.119	3	0.91	0.091	0.41	2.8	2.0	5.18	0.16	197	4.8	4.75	4.4	2.32	0.1	0.08
STD DS8	Standard	17.0	119.1	0.59	289.1	0.124	3	0.93	0.096	0.41	2.9	2.1	5.45	0.16	194	5.3	5.16	4.7	2.43	<0.1	0.08
STD DS8	Standard	16.4	116.4	0.61	283.5	0.123	3	0.93	0.088	0.42	2.9	2.4	5.43	0.16	212	5.6	5.05	4.9	2.49	0.1	0.07
STD DOLOMITE-2 Expected																					
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48	0.13	0.08
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02



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Project: 210800

Report Date: August 04, 2011

Page: 2 of 3 Part 3

QUALITY CONTROL REPORT

WHI11000225.1

		1F30 Nb ppm 0.02	1F30 Rb ppm 0.1	1F30 Sn ppm 0.1	1F30 Ta ppm 0.05	1F30 Zr ppm 0.1	1F30 Y ppm 0.01	1F30 Ce ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2	LOI % 0.1
1075365	Soil	0.94	6.4	0.5	<0.05	2.5	8.53	34.2	0.03	<1	0.4	13.9	<10	<2	15.5
REP 1075365	QC														15.4
1075372	Soil	1.03	30.6	0.8	<0.05	6.7	10.94	24.5	0.03	<1	0.3	17.5	<10	<2	7.0
REP 1075372	QC	0.97	29.2	0.8	<0.05	6.6	10.94	24.4	0.02	<1	0.3	16.7	<10	<2	
1075380	Soil	1.12	10.6	0.7	<0.05	5.5	5.74	29.4	0.03	<1	0.6	16.2	<10	<2	9.5
REP 1075380	QC	1.07	10.4	0.6	<0.05	5.3	5.60	28.1	0.02	<1	0.8	16.0	<10	<2	
Reference Materials															
STD DOLOMITE-2	Standard														46.2
STD DOLOMITE-2	Standard														45.9
STD DOLOMITE-2	Standard														45.9
STD DOLOMITE-2	Standard														45.9
STD DOLOMITE-2	Standard														46.0
STD DS8	Standard	1.22	36.1	7.1	<0.05	2.1	5.95	25.7	2.32	51	5.4	27.3	114	332	
STD DS8	Standard	1.14	36.7	7.3	<0.05	2.2	6.04	27.9	2.34	49	5.1	27.4	107	339	
STD DS8	Standard	1.29	40.6	6.2	<0.05	2.0	5.42	24.9	2.10	62	5.6	27.5	117	341	
STD DS8	Standard	1.19	38.3	6.0	<0.05	1.9	5.00	22.7	1.95	45	5.4	26.4	122	334	
STD DS8	Standard	1.34	36.6	7.4	<0.05	2.2	6.13	29.3	2.29	50	5.0	27.2	112	334	
STD DS8	Standard	1.41	37.2	7.6	<0.05	2.3	6.54	30.9	2.37	55	4.9	26.7	108	343	
STD DS8	Standard	1.19	35.7	6.1	<0.05	2.0	5.38	24.4	2.04	37	5.4	26.5	106	288	
STD DS8	Standard	1.25	36.7	6.6	<0.05	1.9	6.00	26.1	2.12	58	4.4	27.1	115	323	
STD DS8	Standard	1.25	35.9	7.2	<0.05	2.0	5.79	26.4	2.34	54	5.2	26.7	119	330	
STD DS8	Standard	1.30	36.9	7.3	<0.05	2.2	6.19	27.3	2.43	58	4.8	26.8	106	347	
STD DS8	Standard	1.19	34.6	7.2	<0.05	2.0	5.66	24.9	2.23	50	4.4	24.6	105	329	
STD DS8	Standard	1.29	35.9	7.7	<0.05	2.2	6.39	29.3	2.45	51	5.3	27.1	124	347	
STD DS8	Standard	1.29	39.1	7.4	<0.05	2.1	6.26	28.5	2.34	56	5.2	28.7	120	336	
STD DOLOMITE-2 Expected															46
STD DS8 Expected		1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339	
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	



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Project: 210800

Report Date: August 04, 2011

Page: 3 of 3 Part 1

QUALITY CONTROL REPORT

WHI11000225.1

		1F30 Mo ppm 0.01	1F30 Cu ppm 0.01	1F30 Pb ppm 0.01	1F30 Zn ppm 0.1	1F30 Ag ppb 2	1F30 Ni ppm 0.1	1F30 Co ppm 0.1	1F30 Mn ppm 1	1F30 Fe % 0.01	1F30 As ppm 0.1	1F30 U ppm 0.1	1F30 Au ppb 0.2	1F30 Th ppm 0.1	1F30 Sr ppm 0.5	1F30 Cd ppm 0.01	1F30 Sb ppm 0.02	1F30 Bi ppm 0.02	1F30 V ppm 2	1F30 Ca % 0.01	1F30 P % 0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001



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Page: 3 of 3 **Part** 2

QUALITY CONTROL REPORT

WHI11000225.1

		1F30 La ppm 0.5	1F30 Cr ppm 0.5	1F30 Mg % 0.01	1F30 Ba ppm 0.5	1F30 Ti % 0.001	1F30 B ppm 1	1F30 Al % 0.01	1F30 Na % 0.001	1F30 K % 0.01	1F30 W ppm 0.1	1F30 Sc ppm 0.1	1F30 Ti ppm 0.02	1F30 S % 0.02	1F30 Hg ppb 5	1F30 Se ppm 0.1	1F30 Te ppm 0.02	1F30 Ga ppm 0.1	1F30 Cs ppm 0.02	1F30 Ge ppm 0.1	1F30 Hf ppm 0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02



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Page: 3 of 3 Part 3

QUALITY CONTROL REPORT

WHI11000225.1

		1F30 Nb ppm 0.02	1F30 Rb ppm 0.1	1F30 Sn ppm 0.1	1F30 Ta ppm 0.05	1F30 Zr ppm 0.1	1F30 Y ppm 0.01	1F30 Ce ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2	LOI %
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	



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Submitted By: Andrea Langerud

Receiving Lab: Canada-Whitehorse

Received: June 27, 2011

Report Date: August 07, 2011

Page: 1 of 5

CERTIFICATE OF ANALYSIS

WHI11000317.1

CLIENT JOB INFORMATION

Project: 210800
Shipment ID: YTGT-003
P.O. Number
Number of Samples: 106

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.

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

CC: Randy Farmer
Rupa Mukherjee

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	101	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	101	Dry at 60C			WHI
RJSV	101	Saving all or part of Soil Reject			WHI
1F06	106	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
2A05	106	Loss on Ignition at 1000 C		Completed	VAN

ADDITIONAL COMMENTS



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



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Project: 210800

Report Date: August 07, 2011

Page: 2 of 5 Part 1

CERTIFICATE OF ANALYSIS

WHI11000317.1

	Method Analyte	Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
			ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%
			0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2
1077141	Soil		0.91	30.25	4.69	58.6	54	25.7	11.2	502	3.01	6.2	2.5	5.9	6.4	33.9	0.19	0.40	0.17	75
1077142	Soil		1.51	20.50	7.67	72.0	57	25.9	12.4	588	2.82	6.6	1.5	5.2	3.7	28.9	0.22	0.66	0.21	66
1077143	Soil		1.03	29.12	6.00	63.4	76	29.3	11.6	497	3.14	7.2	1.3	5.1	5.0	32.1	0.17	0.49	0.13	73
1077144	Soil		1.92	24.19	8.57	58.2	50	25.2	14.6	667	3.46	9.7	0.9	3.7	3.2	24.9	0.07	0.73	0.19	72
1077145	Soil		0.53	25.51	6.27	54.5	21	25.1	11.4	489	3.21	5.7	1.0	4.2	10.4	39.7	0.13	0.33	0.18	75
1077146	Soil		1.31	32.03	8.65	71.9	85	27.0	11.9	370	3.37	7.4	3.0	7.5	7.6	37.7	0.17	0.62	0.68	73
1077147	Soil		1.07	31.16	7.25	58.7	49	32.5	12.7	415	3.35	8.1	1.1	4.3	4.5	28.5	0.08	0.49	0.13	81
1077148	Soil		0.94	37.81	7.29	58.9	74	40.5	14.7	576	3.48	9.8	1.0	2.8	2.8	32.6	0.11	0.63	0.14	80
1077149	Soil		2.69	45.66	8.88	79.4	135	30.5	16.1	492	3.24	10.2	7.3	3.9	6.1	35.3	0.25	0.87	0.17	85
1077150 GS-1 STD	Soil		0.65	20.76	8.93	52.5	35	24.7	10.8	409	2.70	3.9	1.4	0.8	7.4	82.6	0.04	0.18	0.20	14
1077151	Soil		0.57	29.10	8.33	61.3	76	23.7	10.0	225	2.36	3.6	1.7	1.8	5.3	65.2	0.10	0.56	0.13	67
1077152	Soil		1.93	44.76	6.83	60.9	212	27.3	14.7	624	2.99	9.9	3.8	3.7	2.6	64.0	0.16	0.71	0.13	67
1077153	Soil		1.41	26.93	7.13	66.3	55	37.4	14.2	469	3.38	12.2	0.8	2.0	1.6	35.5	0.13	0.72	0.14	65
1077154	Soil		1.26	32.28	6.85	63.5	132	22.8	12.8	417	2.98	8.5	1.7	3.8	2.7	42.0	0.17	0.58	0.12	73
1077155	Soil		0.87	22.73	7.27	53.3	77	21.2	10.8	332	2.70	5.3	1.6	2.3	3.5	62.4	0.07	0.70	0.11	71
1077156	Soil		1.28	23.44	6.13	50.2	108	18.1	8.8	296	2.32	8.5	1.6	2.8	1.2	35.7	0.21	0.48	0.14	51
1077157	Soil		1.33	27.26	6.39	62.7	105	19.7	10.9	435	2.40	8.2	2.6	3.6	1.5	44.9	0.30	0.56	0.14	53
1077158	Soil		0.68	22.71	5.65	60.0	51	19.7	12.3	301	2.92	5.5	1.3	1.7	5.1	38.0	0.10	0.41	0.10	89
1077159	Soil		1.57	31.07	7.33	63.1	146	23.1	11.9	520	2.68	9.4	2.1	3.4	1.6	41.8	0.16	0.59	0.15	58
1075385	Soil		1.75	30.32	7.61	63.5	110	32.5	14.7	546	3.48	11.3	0.8	3.1	0.7	25.7	0.12	0.68	0.14	73
1075386	Soil		1.33	35.14	5.83	57.5	98	26.9	13.1	416	3.19	6.5	1.3	2.8	3.0	26.7	0.11	0.42	0.29	84
1075387	Soil		1.44	36.72	7.28	59.3	88	31.6	12.9	471	3.43	7.8	1.2	3.6	2.7	33.8	0.09	0.49	0.14	81
1075388	Soil		1.16	32.69	8.84	66.3	119	32.0	13.9	471	3.31	9.5	2.5	4.3	2.2	33.5	0.11	0.47	0.13	70
1075389	Soil		1.87	30.84	7.30	65.4	210	29.7	14.9	667	3.46	12.5	0.8	4.9	0.8	25.5	0.13	0.66	0.14	76
1075390 GS-1 STD	Soil		0.66	20.65	8.38	50.1	32	24.8	11.4	414	2.68	3.8	1.4	0.7	7.4	83.1	0.06	0.18	0.20	14
1075391	Soil		1.55	26.92	5.95	51.2	94	24.1	13.2	579	2.90	12.0	0.7	2.4	0.7	29.1	0.10	0.45	0.14	64
1075392	Soil		1.28	35.13	6.06	60.3	68	37.9	15.4	518	3.25	14.6	0.7	2.5	1.7	34.6	0.11	0.49	0.14	75
1075393	Soil		1.29	54.64	7.89	84.0	69	36.4	15.0	380	3.56	47.9	0.8	9.5	2.3	35.4	0.14	0.57	0.32	72
1075394	Soil		1.90	45.67	8.58	65.8	65	40.0	16.5	594	3.76	30.5	1.0	5.1	1.7	29.8	0.10	0.64	0.17	80
1075395	Soil		1.87	26.19	7.66	66.4	134	26.0	16.1	717	3.56	14.7	0.7	2.8	0.8	28.3	0.08	0.59	0.15	76



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Project: 210800
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Page: 2 of 5 Part 2

CERTIFICATE OF ANALYSIS

WHI11000317.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
1077141	Soil	16.3	33.5	0.71	136.0	0.128	1	1.40	0.032	0.10	0.4	3.2	0.17	<0.02	32	0.1	0.04	4.2	1.94	0.1
1077142	Soil	11.6	33.3	0.73	161.2	0.101	2	1.65	0.022	0.06	0.4	2.6	0.18	0.04	27	0.2	0.05	5.5	2.39	<0.1
1077143	Soil	16.4	35.5	0.76	179.7	0.132	1	1.99	0.022	0.08	0.2	3.7	0.17	<0.02	25	0.2	0.03	5.3	1.72	<0.1
1077144	Soil	12.7	34.4	0.71	179.7	0.087	1	1.87	0.015	0.06	0.3	2.8	0.21	0.04	30	0.2	0.02	6.2	2.33	<0.1
1077145	Soil	17.7	29.9	0.93	408.6	0.150	<1	2.71	0.014	0.18	0.3	3.5	0.35	<0.02	13	0.2	0.03	6.5	2.80	<0.1
1077146	Soil	18.5	39.1	0.82	211.9	0.137	<1	1.96	0.029	0.12	0.4	4.6	0.17	<0.02	35	0.4	0.03	5.6	2.05	<0.1
1077147	Soil	7.4	53.6	0.97	265.9	0.140	<1	2.34	0.011	0.11	0.2	2.9	0.21	0.02	14	0.2	0.04	6.7	1.59	<0.1
1077148	Soil	10.5	33.8	0.91	217.1	0.124	2	2.55	0.022	0.10	0.1	3.4	0.15	0.03	28	0.4	<0.02	6.0	1.59	<0.1
1077149	Soil	18.7	39.3	0.92	177.6	0.112	2	2.18	0.021	0.09	0.2	4.5	0.21	0.03	50	0.4	<0.02	6.2	1.57	<0.1
1077150 GS-1 STD	Soil	19.5	19.1	1.06	70.7	0.030	<1	1.19	0.019	0.21	0.1	1.8	0.10	0.03	15	0.2	<0.02	3.2	0.96	<0.1
1077151	Soil	10.0	32.1	0.85	204.3	0.146	2	2.71	0.033	0.08	0.1	3.1	0.23	0.03	28	0.2	<0.02	6.6	2.04	<0.1
1077152	Soil	15.0	34.7	0.72	165.2	0.077	2	1.96	0.027	0.14	0.1	2.9	0.21	0.10	52	0.5	0.04	5.2	1.59	<0.1
1077153	Soil	9.1	37.1	0.83	141.8	0.078	2	2.08	0.021	0.06	<0.1	2.6	0.11	0.04	25	0.3	0.05	5.2	1.13	<0.1
1077154	Soil	8.2	30.3	0.75	174.9	0.123	1	1.80	0.028	0.08	0.1	2.3	0.17	0.04	28	0.3	<0.02	5.4	1.59	<0.1
1077155	Soil	9.1	34.6	0.88	189.9	0.141	1	2.02	0.040	0.07	0.2	2.8	0.15	0.03	28	0.2	0.02	5.5	1.47	<0.1
1077156	Soil	8.8	25.5	0.52	102.4	0.057	1	1.26	0.029	0.05	0.1	1.9	0.09	0.05	30	0.4	0.04	4.5	0.91	<0.1
1077157	Soil	11.2	28.5	0.60	141.1	0.064	3	1.38	0.031	0.06	0.2	2.4	0.12	0.07	43	0.5	0.04	4.4	0.92	<0.1
1077158	Soil	8.0	31.1	0.84	258.8	0.185	1	1.91	0.025	0.11	0.2	2.6	0.17	<0.02	20	0.1	<0.02	5.5	1.77	<0.1
1077159	Soil	11.6	30.5	0.60	185.5	0.063	2	1.62	0.029	0.05	0.1	2.5	0.13	0.07	44	0.4	0.05	5.1	1.10	<0.1
1075385	Soil	9.4	39.1	0.73	141.4	0.052	1	2.56	0.014	0.04	<0.1	3.1	0.08	0.05	46	0.5	0.05	6.3	0.92	<0.1
1075386	Soil	10.4	41.0	0.75	270.3	0.117	2	2.09	0.019	0.08	0.2	3.8	0.14	0.03	33	0.3	<0.02	6.0	1.59	<0.1
1075387	Soil	14.4	42.7	0.82	172.2	0.092	2	2.38	0.018	0.05	0.1	6.0	0.09	<0.02	36	0.3	0.04	6.1	1.45	<0.1
1075388	Soil	18.2	38.6	0.74	144.0	0.050	2	2.24	0.022	0.04	<0.1	6.0	0.08	0.03	36	0.4	0.03	6.0	1.40	<0.1
1075389	Soil	10.1	38.1	0.69	135.0	0.055	2	2.21	0.016	0.04	<0.1	3.3	0.09	0.04	33	0.4	0.06	6.3	1.13	<0.1
1075390 GS-1 STD	Soil	19.2	20.0	1.04	65.5	0.030	<1	1.16	0.019	0.21	0.1	1.8	0.10	0.03	10	0.2	0.04	3.1	0.93	<0.1
1075391	Soil	8.6	35.3	0.67	91.4	0.059	2	1.79	0.035	0.05	<0.1	2.6	0.10	0.05	26	0.4	0.03	5.7	0.98	<0.1
1075392	Soil	10.1	41.2	0.87	144.5	0.083	1	2.60	0.029	0.08	<0.1	3.8	0.14	0.03	24	0.4	0.07	7.4	1.30	<0.1
1075393	Soil	11.4	42.3	0.96	126.2	0.082	2	2.88	0.025	0.08	<0.1	4.0	0.19	0.04	19	0.5	0.03	7.7	1.36	<0.1
1075394	Soil	11.1	43.8	0.99	149.3	0.074	3	2.77	0.019	0.07	<0.1	4.1	0.12	0.03	29	0.5	0.06	7.0	1.44	<0.1
1075395	Soil	8.8	38.5	0.67	172.8	0.061	2	2.13	0.018	0.04	0.1	2.9	0.10	0.03	38	0.3	0.02	6.6	1.10	<0.1



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Report Date: August 07, 2011

Page: 2 of 5 **Part** 3

CERTIFICATE OF ANALYSIS

WHI11000317.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1077141	Soil	0.59	15.7	0.4	<0.05	6.7	8.01	30.6	0.03	<1	0.3	11.6	<10	<2
1077142	Soil	1.31	14.3	0.7	<0.05	2.5	4.11	22.0	0.03	<1	0.2	16.1	<10	<2
1077143	Soil	1.00	15.5	0.6	<0.05	5.8	7.49	29.9	0.02	<1	0.2	13.6	<10	<2
1077144	Soil	1.22	15.6	0.6	<0.05	2.0	5.15	25.5	0.02	<1	0.4	16.3	<10	<2
1077145	Soil	1.21	30.2	0.7	<0.05	5.4	5.95	36.1	0.02	<1	0.5	19.7	<10	<2
1077146	Soil	1.06	16.5	1.0	<0.05	7.5	10.54	35.0	0.02	<1	0.4	16.5	<10	<2
1077147	Soil	1.33	19.2	0.6	<0.05	3.5	3.33	15.8	0.03	<1	0.5	17.9	<10	<2
1077148	Soil	1.15	12.2	0.6	<0.05	3.3	5.63	38.0	<0.02	<1	0.4	14.6	<10	<2
1077149	Soil	1.11	17.3	0.5	<0.05	3.9	10.32	33.4	0.02	<1	0.4	16.6	<10	<2
1077150 GS-1 STD	Soil	0.62	14.4	0.7	<0.05	1.0	7.24	40.2	<0.02	<1	0.2	27.1	<10	<2
1077151	Soil	1.57	12.4	0.5	<0.05	3.5	4.80	18.8	<0.02	<1	0.4	15.7	<10	<2
1077152	Soil	1.43	22.1	0.5	<0.05	3.1	8.79	26.9	0.02	<1	0.5	12.4	<10	<2
1077153	Soil	1.15	8.3	0.6	<0.05	2.7	4.91	36.8	0.03	<1	0.5	13.9	<10	<2
1077154	Soil	1.42	14.4	0.5	<0.05	2.9	3.74	18.6	<0.02	<1	0.2	13.1	<10	<2
1077155	Soil	1.61	11.8	0.5	<0.05	4.1	4.09	18.2	0.02	<1	0.4	13.4	<10	<2
1077156	Soil	1.04	10.5	0.5	<0.05	2.5	4.92	16.2	<0.02	<1	0.3	9.5	<10	<2
1077157	Soil	1.24	10.6	0.5	<0.05	2.8	5.98	19.8	<0.02	<1	0.2	10.8	<10	<2
1077158	Soil	1.45	19.2	0.5	<0.05	3.0	3.36	14.8	0.02	<1	0.2	16.5	<10	<2
1077159	Soil	1.21	9.5	0.4	<0.05	2.7	7.19	22.9	0.02	<1	0.3	12.5	<10	<2
1075385	Soil	0.92	6.5	0.6	<0.05	1.9	6.14	22.6	0.03	<1	0.7	12.0	<10	<2
1075386	Soil	1.29	12.8	0.5	<0.05	3.2	7.92	22.3	0.02	<1	0.2	13.7	<10	<2
1075387	Soil	0.88	9.2	0.5	<0.05	3.4	13.14	27.0	0.03	<1	0.5	13.7	<10	<2
1075388	Soil	0.79	7.9	0.5	<0.05	1.7	16.10	27.5	0.03	<1	0.5	14.6	<10	<2
1075389	Soil	0.88	7.4	0.5	<0.05	1.6	5.62	21.8	0.03	<1	0.6	12.7	<10	<2
1075390 GS-1 STD	Soil	0.62	14.1	0.7	<0.05	0.9	7.22	38.5	<0.02	<1	0.3	27.5	<10	<2
1075391	Soil	1.03	9.7	0.5	<0.05	1.7	5.23	18.6	<0.02	<1	0.4	10.3	<10	<2
1075392	Soil	1.10	12.4	0.6	<0.05	2.6	5.99	24.9	<0.02	<1	0.8	13.7	<10	<2
1075393	Soil	1.19	11.2	0.5	<0.05	2.8	5.71	24.4	0.03	<1	0.8	16.5	<10	2
1075394	Soil	1.03	10.4	0.6	<0.05	2.7	6.97	24.3	0.04	<1	0.7	17.7	<10	<2
1075395	Soil	1.00	9.6	0.6	<0.05	1.8	4.83	18.9	0.03	<1	0.3	11.6	<10	<2



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Report Date: August 07, 2011

Page: 3 of 5 Part 1

CERTIFICATE OF ANALYSIS

WHI11000317.1

	Method Analyte	Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
			ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%
			0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2
1075396	Soil		1.94	39.03	8.06	93.4	124	34.3	16.5	797	3.82	13.0	0.8	3.9	0.6	26.2	0.29	0.66	0.16	91
1075397	Soil		1.43	24.26	7.25	52.7	122	20.5	10.3	367	2.80	9.2	0.6	2.2	0.8	24.4	0.12	0.44	0.13	61
1076870 GS-1 STD	Soil		0.66	21.58	8.70	51.2	31	25.1	11.4	432	2.67	3.9	1.4	0.8	7.7	84.9	0.06	0.18	0.20	14
1076871	Soil		1.42	40.21	6.09	76.7	146	36.6	13.3	443	2.82	8.1	1.1	3.5	2.4	38.8	0.18	0.49	0.11	74
1076872	Soil		1.71	37.17	6.76	72.5	137	35.7	13.7	494	3.03	8.4	1.1	5.0	1.6	38.1	0.14	0.43	0.13	73
1076873	Soil		1.44	41.10	7.02	84.6	122	35.5	13.8	431	3.39	7.3	1.2	6.1	2.6	31.9	0.21	0.51	0.18	92
1076874	Soil		0.77	27.21	5.15	59.5	41	30.1	12.0	492	3.23	6.7	1.1	3.2	3.4	28.5	0.09	0.35	0.12	90
1076875	Soil		1.46	34.61	6.50	60.3	163	29.0	12.4	463	2.90	9.4	1.1	5.4	0.9	33.2	0.08	0.52	0.16	62
1076876	Soil		1.03	33.23	6.43	68.4	117	34.0	13.4	327	2.90	8.0	0.8	2.4	1.2	34.6	0.14	0.53	0.13	66
1076877	Soil		1.21	25.37	7.22	76.5	134	31.7	13.2	308	3.20	9.6	1.4	2.9	1.4	33.4	0.18	0.53	0.16	68
1076878	Soil		1.61	25.33	7.75	80.3	40	32.5	14.6	502	3.53	10.2	0.9	2.7	1.2	30.1	0.09	0.57	0.17	75
1076879	Soil		1.12	21.11	6.93	66.2	52	25.3	11.9	507	3.54	8.3	1.0	6.9	6.0	25.6	0.09	0.41	0.13	83
1076880	Soil		1.52	22.08	6.89	67.7	81	26.2	11.6	376	3.18	8.4	1.7	1.4	2.6	29.6	0.07	0.46	0.14	66
1076881	Soil		1.48	27.22	7.52	66.1	120	27.3	13.8	555	3.54	10.4	4.6	1.9	6.9	28.3	0.11	0.63	0.13	75
1076882	Soil		1.79	23.95	7.75	60.5	118	24.4	14.1	688	3.50	10.6	1.4	3.1	2.2	27.2	0.10	0.58	0.15	75
1076883	Soil		1.07	28.01	7.10	66.8	67	31.1	13.8	506	3.58	9.2	3.1	2.9	8.1	43.6	0.07	0.52	0.14	78
1076884	Soil		1.04	26.92	6.14	61.8	80	29.9	14.2	572	3.21	7.5	1.3	2.7	5.2	28.0	0.08	0.40	0.14	75
1076885	Soil		0.95	32.86	5.38	58.9	77	34.9	13.6	437	3.08	7.7	0.8	2.2	2.0	31.9	0.10	0.43	0.12	71
1077160	Soil		0.90	41.57	5.88	58.2	70	38.3	10.9	351	3.45	7.4	0.8	4.4	2.9	41.0	0.07	0.40	0.11	86
1077161	Soil		1.27	30.74	6.49	63.4	63	32.3	13.6	405	3.31	8.2	0.9	2.9	1.2	29.8	0.08	0.48	0.14	72
1077162	Soil		0.90	31.79	6.06	61.2	70	33.6	12.1	369	3.20	7.4	0.7	15.5	2.0	31.7	0.10	0.41	0.12	77
1077163	Soil		1.26	24.12	6.34	69.2	129	29.1	13.8	449	3.33	8.3	0.7	4.0	0.5	23.4	0.12	0.44	0.13	69
1077164	Soil		1.35	28.26	7.38	67.5	118	35.0	16.2	439	3.20	8.0	0.8	4.3	1.0	32.9	0.11	0.47	0.14	76
1077165	Soil		1.61	31.56	7.22	66.0	131	32.8	15.4	417	3.46	10.0	1.0	3.9	1.0	29.6	0.10	0.57	0.13	77
1077166	Soil		0.99	31.41	6.82	61.7	79	37.2	13.1	296	3.17	6.6	1.1	2.8	2.0	31.4	0.09	0.43	0.11	78
1077167	Soil		1.49	28.52	6.59	74.2	133	28.8	13.4	523	3.32	8.8	1.0	5.2	0.9	27.6	0.09	0.49	0.14	72
1077168	Soil		0.99	41.63	7.74	71.4	96	44.1	12.9	200	2.97	5.5	0.9	3.1	2.4	33.0	0.12	0.46	0.15	84
1077169	Soil		1.06	35.28	6.03	61.2	67	38.1	12.8	462	3.08	6.7	0.7	2.4	2.4	28.9	0.10	0.42	0.10	75
1077170 GS-1 STD	Soil		0.60	18.87	7.90	49.2	33	24.1	10.5	406	2.72	4.2	1.3	<0.2	6.7	79.2	0.06	0.18	0.19	14
1077171	Soil		1.13	42.21	7.19	82.0	125	35.3	13.0	291	3.04	8.5	1.5	2.4	1.0	35.8	0.14	0.57	0.13	77



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Report Date: August 07, 2011

Page: 3 of 5 Part 2

CERTIFICATE OF ANALYSIS

WHI11000317.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
1075396	Soil	9.5	44.5	0.81	173.7	0.059	3	2.24	0.015	0.06	0.1	2.6	0.10	0.06	32	0.4	0.08	7.0	1.44	<0.1
1075397	Soil	7.1	30.7	0.49	87.9	0.062	<1	1.42	0.026	0.04	<0.1	2.2	0.08	0.05	39	0.3	0.05	5.4	0.75	<0.1
1076870 GS-1 STD	Soil	19.8	20.2	1.05	68.0	0.031	<1	1.16	0.019	0.21	<0.1	1.8	0.10	0.03	9	0.1	0.03	3.3	0.96	<0.1
1076871	Soil	11.8	49.2	0.84	173.4	0.124	2	1.89	0.034	0.09	0.1	4.8	0.12	0.03	38	0.4	0.04	5.5	1.08	<0.1
1076872	Soil	10.6	45.1	0.80	183.6	0.103	2	2.06	0.025	0.08	<0.1	4.4	0.10	0.04	38	0.5	0.03	5.7	1.01	<0.1
1076873	Soil	11.2	50.5	0.97	236.6	0.144	4	2.30	0.027	0.12	0.2	5.8	0.17	0.02	30	0.3	0.04	7.2	1.58	<0.1
1076874	Soil	9.0	41.0	0.90	241.7	0.166	4	2.11	0.025	0.16	0.1	4.8	0.22	<0.02	7	<0.1	0.02	6.4	2.06	<0.1
1076875	Soil	19.4	35.2	0.69	166.6	0.052	5	1.97	0.025	0.05	0.1	3.6	0.12	0.06	42	0.5	0.03	5.9	1.10	<0.1
1076876	Soil	12.8	39.7	0.75	164.1	0.063	2	1.96	0.028	0.04	0.1	4.6	0.08	0.04	43	0.5	<0.02	5.5	0.83	<0.1
1076877	Soil	10.0	39.0	0.76	184.0	0.060	1	2.08	0.024	0.04	0.1	4.2	0.09	0.04	40	0.3	<0.02	6.1	0.88	<0.1
1076878	Soil	9.9	39.8	0.85	193.2	0.067	2	2.46	0.018	0.05	0.1	3.9	0.12	0.04	32	0.3	0.02	7.5	1.19	<0.1
1076879	Soil	13.4	33.7	0.88	201.2	0.134	6	2.20	0.014	0.07	0.1	4.0	0.20	0.02	18	0.4	0.03	7.4	2.21	<0.1
1076880	Soil	12.7	35.1	0.80	176.1	0.074	2	2.23	0.016	0.05	0.1	3.6	0.17	0.04	39	0.3	<0.02	6.6	1.64	<0.1
1076881	Soil	55.4	34.5	0.77	190.5	0.081	5	2.32	0.015	0.06	0.1	3.9	0.25	0.05	32	0.4	<0.02	6.6	1.87	<0.1
1076882	Soil	13.2	34.1	0.73	200.4	0.060	4	1.92	0.017	0.05	0.1	3.0	0.23	0.06	23	0.4	<0.02	6.6	1.82	<0.1
1076883	Soil	20.8	39.6	0.93	258.2	0.102	4	2.71	0.025	0.08	0.1	6.4	0.14	0.02	31	0.5	0.03	7.1	1.54	<0.1
1076884	Soil	20.9	38.2	0.82	257.1	0.113	<1	2.03	0.025	0.12	0.1	4.5	0.19	<0.02	34	0.2	<0.02	6.5	1.69	0.1
1076885	Soil	12.7	39.2	0.83	174.6	0.093	3	2.04	0.037	0.07	<0.1	4.6	0.10	<0.02	22	0.3	<0.02	5.6	0.92	<0.1
1077160	Soil	13.4	56.1	0.77	215.7	0.130	3	2.47	0.032	0.07	0.1	8.6	0.08	<0.02	33	0.4	0.04	6.5	0.87	<0.1
1077161	Soil	12.8	41.0	0.78	180.3	0.073	1	2.54	0.020	0.05	<0.1	4.7	0.11	0.03	42	0.4	0.03	6.7	1.12	<0.1
1077162	Soil	11.4	42.6	0.84	180.9	0.113	3	2.43	0.026	0.07	0.1	4.9	0.11	<0.02	24	0.3	<0.02	6.4	1.17	<0.1
1077163	Soil	9.4	39.1	0.78	108.0	0.051	5	2.58	0.013	0.04	<0.1	3.1	0.09	0.05	44	0.6	<0.02	6.7	1.00	<0.1
1077164	Soil	11.3	42.8	0.79	182.6	0.068	<1	2.37	0.023	0.05	<0.1	4.7	0.10	0.03	33	0.4	0.03	6.8	1.07	<0.1
1077165	Soil	12.7	41.7	0.73	186.4	0.060	1	2.24	0.023	0.04	0.1	4.7	0.10	0.04	33	0.4	0.03	6.3	1.10	<0.1
1077166	Soil	12.2	47.5	0.85	216.1	0.099	5	2.41	0.028	0.05	<0.1	5.9	0.10	<0.02	36	0.2	0.05	6.6	1.03	<0.1
1077167	Soil	11.2	37.5	0.71	154.8	0.056	2	2.36	0.019	0.04	<0.1	4.0	0.10	0.03	46	0.5	0.04	6.5	1.05	<0.1
1077168	Soil	13.2	54.1	0.82	217.0	0.105	4	2.39	0.033	0.05	<0.1	6.9	0.08	<0.02	32	0.2	0.03	6.2	0.86	<0.1
1077169	Soil	12.9	47.8	0.84	196.1	0.107	2	2.03	0.030	0.08	<0.1	5.4	0.10	<0.02	26	0.1	0.03	5.7	1.00	<0.1
1077170 GS-1 STD	Soil	18.5	19.4	1.05	65.1	0.029	2	1.31	0.024	0.24	<0.1	2.1	0.10	0.03	8	0.1	<0.02	3.2	0.99	<0.1
1077171	Soil	12.4	43.7	0.78	200.9	0.068	5	2.19	0.026	0.05	0.1	4.6	0.09	0.05	40	0.6	<0.02	6.4	1.05	<0.1



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Project: 210800
Report Date: August 07, 2011

Page: 3 of 5 **Part** 3

CERTIFICATE OF ANALYSIS

WHI11000317.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppb	ppb	ppb
		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1075396	Soil	0.96	11.7	0.6	<0.05	1.5	5.53	19.9	0.03	<1	0.5	15.3	<10	<2
1075397	Soil	1.10	6.2	0.5	<0.05	2.6	4.10	14.6	<0.02	1	0.2	9.2	<10	<2
1076870 GS-1 STD	Soil	0.66	14.9	0.6	<0.05	1.0	7.42	40.8	<0.02	<1	0.2	28.0	<10	<2
1076871	Soil	1.48	13.7	0.7	<0.05	5.3	9.63	24.5	<0.02	<1	0.3	14.9	<10	<2
1076872	Soil	1.40	12.8	0.8	<0.05	3.9	6.95	21.6	0.03	<1	0.4	14.6	<10	<2
1076873	Soil	1.86	16.9	0.8	<0.05	4.7	8.32	25.4	0.05	2	<0.1	20.5	12	<2
1076874	Soil	1.59	20.8	0.6	<0.05	5.2	5.63	22.4	0.04	<1	0.2	16.3	<10	<2
1076875	Soil	1.04	9.0	0.6	<0.05	2.5	12.66	37.8	0.03	<1	<0.1	11.5	<10	<2
1076876	Soil	1.08	7.1	0.7	<0.05	3.9	11.21	29.2	0.03	<1	0.5	13.0	10	<2
1076877	Soil	1.12	7.8	0.6	<0.05	3.7	6.79	22.6	0.03	<1	<0.1	13.0	<10	<2
1076878	Soil	1.08	10.1	0.6	<0.05	2.2	6.34	23.0	0.03	<1	<0.1	16.2	<10	<2
1076879	Soil	1.51	13.5	0.6	<0.05	3.0	6.55	27.3	0.03	<1	0.6	17.6	<10	<2
1076880	Soil	1.15	12.9	0.6	<0.05	2.5	6.77	26.8	0.04	<1	<0.1	15.7	<10	<2
1076881	Soil	1.39	13.2	0.6	<0.05	2.5	11.39	71.3	0.03	<1	0.3	17.3	<10	<2
1076882	Soil	1.13	10.1	0.6	<0.05	1.5	6.54	26.9	0.03	<1	<0.1	13.3	<10	<2
1076883	Soil	1.10	12.4	0.6	<0.05	4.3	10.55	38.1	0.03	<1	<0.1	16.3	<10	<2
1076884	Soil	1.37	17.4	0.7	<0.05	3.1	11.30	33.0	<0.02	<1	<0.1	17.1	<10	<2
1076885	Soil	1.03	7.9	0.5	<0.05	3.8	9.73	28.6	0.03	<1	0.2	11.2	<10	<2
1077160	Soil	0.34	7.2	0.9	<0.05	10.8	13.83	24.6	0.03	<1	0.2	10.4	<10	<2
1077161	Soil	0.86	9.8	0.5	<0.05	2.1	9.40	26.5	0.03	<1	<0.1	13.1	<10	<2
1077162	Soil	1.03	10.4	0.6	<0.05	3.3	6.90	24.2	<0.02	<1	0.8	13.7	<10	<2
1077163	Soil	0.80	8.3	0.5	<0.05	1.4	5.95	21.2	0.02	<1	0.6	11.6	<10	<2
1077164	Soil	0.88	9.1	0.7	<0.05	1.9	8.27	25.4	0.03	<1	0.4	11.9	<10	<2
1077165	Soil	0.88	7.8	0.6	<0.05	2.2	9.57	27.9	0.03	<1	<0.1	10.6	<10	<2
1077166	Soil	0.84	6.9	1.0	<0.05	3.7	9.46	26.4	0.02	<1	<0.1	13.3	<10	<2
1077167	Soil	0.85	9.0	0.6	<0.05	1.9	7.66	24.5	0.03	<1	0.3	10.1	<10	<2
1077168	Soil	0.84	7.4	1.5	<0.05	7.2	12.29	29.6	0.04	<1	0.3	14.3	<10	<2
1077169	Soil	0.75	10.4	1.1	<0.05	4.0	10.33	26.7	0.03	1	0.7	14.5	<10	<2
1077170 GS-1 STD	Soil	0.64	14.8	0.6	<0.05	0.9	7.30	37.0	0.02	<1	0.4	26.0	<10	<2
1077171	Soil	1.07	10.3	0.6	<0.05	2.8	10.09	27.0	0.03	2	<0.1	14.0	<10	<2



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Report Date: August 07, 2011

Page: 4 of 5 Part 1

CERTIFICATE OF ANALYSIS

WHI11000317.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.01	ppm 0.01	ppm 0.01	ppm 0.1	ppb 2	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.1	ppm 0.1	ppb 0.2	ppm 0.1	ppm 0.5	ppm 0.01	ppm 0.02	ppm 0.02	ppm 2	% 0.01
1077172	Soil	0.72	31.03	4.89	56.2	27	35.6	12.9	481	2.99	6.4	0.4	2.9	1.8	25.4	0.09	0.34	0.09	73	0.51
1077173	Soil	0.76	33.27	6.23	61.6	70	36.4	11.4	307	3.19	6.6	0.8	2.0	2.3	34.0	0.10	0.41	0.12	79	0.61
1077174	Soil	0.96	32.72	5.70	68.2	67	32.6	11.6	435	3.18	7.6	0.8	4.5	1.7	32.7	0.11	0.46	0.13	72	0.55
1077175	Soil	1.21	29.30	6.31	68.9	113	29.2	15.3	559	3.29	12.6	0.8	2.9	1.0	32.3	0.08	0.47	0.13	73	0.53
1077176	Soil	1.44	24.86	6.48	54.0	94	27.2	11.8	351	3.28	9.1	0.5	2.6	1.1	24.8	0.21	0.59	0.13	75	0.44
1076573	Soil	0.66	49.81	5.08	67.1	101	39.1	14.0	501	3.20	7.5	0.4	3.0	2.4	35.6	0.14	0.40	0.09	75	0.85
1076574	Soil	1.01	39.17	5.98	63.4	91	38.9	16.5	595	3.46	9.0	1.0	3.9	2.0	37.7	0.14	0.46	0.12	76	0.78
1076575	Soil	0.96	35.74	6.12	72.8	92	42.5	15.1	447	3.41	9.0	1.2	2.8	3.0	38.7	0.11	0.39	0.12	77	0.83
1076576	Soil	0.79	34.54	5.80	60.8	95	35.2	14.0	540	3.02	7.3	0.8	2.3	1.6	32.7	0.09	0.46	0.12	68	0.71
1076577	Soil	0.87	42.83	5.86	66.1	133	41.4	13.0	445	3.18	13.6	0.8	4.0	2.2	32.5	0.11	0.45	0.13	73	0.60
1076578	Soil	1.37	36.94	6.16	81.3	183	34.2	12.2	411	3.09	7.1	1.2	68.5	2.5	33.1	0.20	0.58	0.17	77	0.52
1076579	Soil	0.76	43.05	8.16	72.3	125	33.7	14.4	323	3.27	7.0	2.0	6.3	4.6	34.3	0.14	0.75	0.16	81	0.63
1076580	Soil	0.49	55.31	6.34	76.3	125	39.9	14.0	222	2.62	4.5	1.6	3.5	2.6	39.3	0.29	0.65	0.12	68	0.86
1076581	Soil	1.15	30.32	6.50	72.0	97	33.7	14.8	606	2.92	5.9	1.0	4.3	2.1	41.6	0.21	0.48	0.11	67	0.93
1076582	Soil	0.92	39.64	6.45	72.6	112	36.7	14.5	573	3.08	6.7	1.2	3.7	2.0	38.8	0.16	0.55	0.12	70	0.75
1076583	Soil	0.80	43.44	5.75	65.7	95	36.8	12.0	408	3.19	6.2	0.6	5.3	2.5	31.3	0.09	0.45	0.11	74	0.69
1076584	Soil	0.64	35.66	5.43	65.1	79	41.7	13.8	558	3.19	6.5	0.5	2.0	2.7	47.6	0.14	0.39	0.09	76	0.92
1075400	Soil	2.55	28.62	9.37	74.8	114	27.0	14.6	785	3.15	9.6	3.0	3.9	3.0	31.6	0.17	0.67	0.18	61	0.48
1075401	Soil	2.54	30.50	13.18	70.4	93	30.7	13.0	312	3.24	9.7	3.2	3.6	4.2	27.2	0.15	0.76	0.21	68	0.39
1075402	Soil	2.27	34.58	13.40	64.1	99	31.7	13.1	423	3.16	8.8	4.0	3.3	7.0	32.6	0.15	0.71	0.22	69	0.40
1075403	Soil	1.80	24.65	11.23	59.6	41	28.3	12.4	545	3.27	8.3	1.9	3.8	5.8	24.5	0.16	0.63	0.23	70	0.38
1075404	Soil	2.20	36.85	11.76	67.2	87	32.0	14.5	347	3.55	8.6	2.5	3.3	5.1	30.8	0.14	0.67	0.17	76	0.47
1076585	Soil	1.44	35.63	18.06	112.0	58	27.4	12.6	560	3.59	42.5	0.5	5.3	1.3	21.2	0.69	1.26	0.35	80	0.24
1076586	Soil	2.72	43.91	13.66	85.8	306	19.7	7.9	330	3.02	12.8	0.6	4.4	0.5	24.6	1.06	1.08	0.24	75	0.23
1076587	Soil	0.86	23.45	25.59	121.6	347	20.7	10.1	451	2.59	28.3	0.6	20.1	1.3	25.7	0.69	2.65	0.59	58	0.31
1076588	Soil	2.58	36.51	18.73	96.6	149	22.7	12.0	519	3.63	35.9	0.6	4.8	0.7	22.7	0.27	1.44	0.49	83	0.16
1076589	Soil	2.60	28.06	12.93	63.6	104	19.8	8.0	324	3.27	18.5	0.7	4.2	1.4	14.6	0.32	1.19	0.25	90	0.13
1076590 GS-1 STD	Soil	0.69	23.23	9.63	57.2	40	27.5	12.0	461	2.91	4.4	1.6	0.6	7.8	90.3	0.07	0.19	0.23	15	4.12
1076597	Soil	0.72	26.02	13.08	86.6	94	20.9	11.7	265	2.63	16.0	0.8	11.3	2.8	24.0	0.42	0.66	0.68	68	0.36
1076598	Soil	1.21	44.59	14.22	96.3	365	24.1	11.4	457	3.25	44.5	1.3	21.1	3.8	35.5	0.53	1.08	1.06	69	0.50



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Report Date: August 07, 2011

Page: 4 of 5 Part 2

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
1077172	Soil	8.9	38.1	0.81	156.7	0.108	4	2.16	0.021	0.08	<0.1	3.8	0.08	<0.02	13	0.3	0.03	5.5	0.85	<0.1
1077173	Soil	12.0	42.5	0.84	201.0	0.121	1	2.21	0.029	0.06	<0.1	5.3	0.10	<0.02	29	0.3	0.03	6.2	0.98	<0.1
1077174	Soil	13.8	41.9	0.82	199.5	0.091	2	2.32	0.022	0.07	<0.1	5.2	0.10	<0.02	31	<0.1	0.02	6.0	1.18	<0.1
1077175	Soil	11.2	39.5	0.80	200.5	0.071	<1	2.50	0.021	0.05	<0.1	4.6	0.09	0.04	31	0.3	<0.02	6.7	1.16	<0.1
1077176	Soil	8.1	32.6	0.66	121.1	0.068	2	1.95	0.022	0.04	0.1	3.2	0.07	0.03	29	0.3	0.05	6.5	0.91	<0.1
1076573	Soil	13.5	46.5	0.98	147.1	0.118	4	1.82	0.050	0.11	<0.1	5.9	0.12	<0.02	22	0.1	0.05	5.2	0.96	0.1
1076574	Soil	15.7	44.7	0.90	174.1	0.103	3	2.05	0.039	0.08	0.1	5.3	0.10	0.03	32	0.4	0.05	5.9	0.98	<0.1
1076575	Soil	16.8	56.5	1.05	156.2	0.150	4	2.39	0.056	0.12	0.2	5.6	0.17	0.04	31	0.3	0.03	7.2	1.80	<0.1
1076576	Soil	12.5	40.5	0.84	152.1	0.089	2	2.00	0.031	0.05	<0.1	4.8	0.08	0.03	32	0.3	<0.02	5.6	0.81	<0.1
1076577	Soil	16.1	46.9	0.94	186.9	0.108	3	2.24	0.031	0.08	0.1	6.0	0.13	<0.02	27	0.4	0.03	5.9	1.15	<0.1
1076578	Soil	9.6	47.9	0.88	206.5	0.107	1	2.21	0.020	0.07	0.1	5.2	0.11	<0.02	32	0.5	0.06	6.5	1.17	<0.1
1076579	Soil	16.6	47.4	0.90	284.8	0.124	2	2.49	0.024	0.08	0.2	6.4	0.21	0.03	52	0.5	0.05	7.2	1.90	<0.1
1076580	Soil	14.2	47.2	0.83	156.3	0.095	2	1.88	0.035	0.05	0.1	5.4	0.10	0.03	39	0.5	0.04	5.4	0.84	<0.1
1076581	Soil	11.5	44.0	0.82	160.2	0.097	2	1.86	0.033	0.05	<0.1	4.7	0.08	0.03	30	0.6	0.02	5.4	0.71	<0.1
1076582	Soil	13.0	45.8	0.83	169.0	0.092	1	2.07	0.030	0.05	<0.1	5.2	0.09	0.03	32	0.5	0.03	6.0	0.82	<0.1
1076583	Soil	13.1	47.0	0.91	152.0	0.105	2	2.06	0.032	0.07	0.1	5.5	0.09	<0.02	31	0.4	0.03	5.4	0.82	<0.1
1076584	Soil	12.3	52.4	1.06	146.4	0.128	2	2.14	0.067	0.09	<0.1	4.9	0.09	<0.02	8	0.3	0.02	6.0	0.93	<0.1
1075400	Soil	16.4	36.4	0.72	184.5	0.051	2	2.11	0.018	0.05	0.2	3.7	0.13	0.04	34	0.3	0.05	6.0	1.73	<0.1
1075401	Soil	17.8	41.3	0.83	143.3	0.076	2	2.29	0.016	0.04	0.2	3.8	0.13	0.02	26	0.4	0.05	6.6	1.49	<0.1
1075402	Soil	20.8	39.3	0.77	191.6	0.082	1	2.40	0.015	0.05	0.2	4.9	0.12	<0.02	29	0.5	0.02	6.2	1.66	<0.1
1075403	Soil	14.2	35.7	0.76	133.4	0.091	2	2.11	0.013	0.05	0.3	3.6	0.10	<0.02	19	0.4	0.05	6.2	1.55	<0.1
1075404	Soil	17.8	45.2	0.83	206.6	0.108	2	2.51	0.018	0.04	0.2	6.0	0.13	<0.02	29	0.5	0.04	6.8	1.50	<0.1
1076585	Soil	8.9	41.1	0.64	89.2	0.078	2	2.15	0.007	0.05	<0.1	2.8	0.09	0.03	27	0.5	<0.02	7.6	2.80	<0.1
1076586	Soil	7.9	27.4	0.35	108.7	0.050	<1	1.24	0.011	0.04	<0.1	1.7	0.10	0.05	32	0.4	0.06	7.3	1.47	<0.1
1076587	Soil	9.3	38.2	0.65	140.4	0.063	1	1.93	0.011	0.06	<0.1	2.9	0.09	0.03	27	0.3	0.10	5.9	3.87	<0.1
1076588	Soil	8.9	33.1	0.46	137.5	0.053	1	1.71	0.008	0.05	<0.1	2.3	0.15	0.05	27	0.4	0.13	7.8	2.92	<0.1
1076589	Soil	8.4	34.6	0.44	58.7	0.072	<1	1.74	0.004	0.05	<0.1	2.5	0.10	0.02	31	0.3	0.05	7.8	2.53	<0.1
1076590 GS-1 STD	Soil	20.9	21.7	1.15	70.5	0.032	1	1.29	0.021	0.23	<0.1	2.0	0.10	0.03	7	0.2	0.06	3.8	1.08	<0.1
1076597	Soil	11.9	34.3	0.63	145.9	0.079	1	1.99	0.012	0.04	0.1	4.1	0.08	<0.02	15	0.3	0.16	5.6	2.00	<0.1
1076598	Soil	12.6	47.9	0.67	164.7	0.097	1	2.14	0.016	0.06	<0.1	6.1	0.09	<0.02	19	0.4	0.24	5.5	2.44	<0.1



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Report Date: August 07, 2011

Page: 4 of 5 Part 3

CERTIFICATE OF ANALYSIS

WHI11000317.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1077172	Soil	0.87	8.3	0.5	<0.05	3.9	5.79	21.6	0.02	<1	0.4	11.0	<10	<2
1077173	Soil	0.86	9.3	0.8	<0.05	5.0	8.22	23.7	<0.02	<1	0.7	11.8	<10	<2
1077174	Soil	0.88	8.9	0.5	<0.05	2.3	9.13	26.9	0.03	<1	0.1	12.6	<10	<2
1077175	Soil	0.98	8.9	0.5	<0.05	2.1	7.59	23.7	0.02	<1	<0.1	13.9	<10	<2
1077176	Soil	1.42	5.7	0.5	<0.05	2.9	4.53	17.9	0.03	<1	0.4	10.2	<10	<2
1076573	Soil	0.64	13.5	0.6	<0.05	7.8	12.26	26.6	0.02	1	<0.1	11.8	<10	<2
1076574	Soil	1.55	10.5	0.6	<0.05	4.2	12.50	32.2	0.04	<1	0.8	14.0	<10	<2
1076575	Soil	3.04	19.4	0.8	<0.05	4.3	10.16	34.3	0.03	<1	0.1	15.7	<10	<2
1076576	Soil	1.00	7.3	0.5	<0.05	3.5	9.50	25.9	<0.02	<1	<0.1	13.2	<10	<2
1076577	Soil	0.99	11.0	0.6	<0.05	3.8	12.55	29.8	0.03	<1	0.4	15.5	<10	<2
1076578	Soil	0.89	11.4	0.7	<0.05	4.0	5.61	20.2	0.04	<1	0.5	16.5	<10	<2
1076579	Soil	1.36	15.8	0.8	<0.05	4.7	13.53	34.5	0.04	<1	0.5	19.4	<10	<2
1076580	Soil	1.30	8.4	0.6	<0.05	7.7	12.70	30.5	0.03	<1	0.6	13.7	<10	<2
1076581	Soil	1.13	7.0	1.0	<0.05	5.5	8.95	23.4	0.03	1	0.5	12.5	<10	<2
1076582	Soil	1.04	7.7	0.6	<0.05	4.9	10.79	27.2	0.03	<1	0.5	14.1	<10	<2
1076583	Soil	0.80	8.7	0.7	<0.05	6.5	10.47	25.2	0.03	<1	0.4	13.1	<10	<2
1076584	Soil	0.49	8.5	0.8	<0.05	8.5	9.05	27.9	0.03	<1	0.6	12.9	<10	<2
1075400	Soil	0.79	11.8	0.6	<0.05	1.7	8.66	33.0	0.03	<1	0.4	13.3	<10	<2
1075401	Soil	0.99	8.2	0.7	<0.05	2.7	9.11	34.6	0.02	<1	0.4	16.5	<10	<2
1075402	Soil	0.91	9.1	0.6	<0.05	3.4	11.44	41.0	0.04	<1	0.9	15.8	<10	<2
1075403	Soil	0.93	8.1	0.6	<0.05	3.7	7.39	31.9	0.03	<1	0.5	14.6	<10	<2
1075404	Soil	0.92	7.8	0.6	<0.05	4.8	11.64	35.7	0.04	<1	0.5	16.9	<10	<2
1076585	Soil	1.08	7.7	0.6	<0.05	1.8	4.42	22.8	0.04	<1	0.8	16.6	<10	<2
1076586	Soil	1.02	7.6	0.6	<0.05	1.8	3.29	15.7	<0.02	<1	0.3	7.9	<10	<2
1076587	Soil	0.86	8.1	0.5	<0.05	1.9	4.85	19.4	0.04	<1	0.4	13.6	<10	<2
1076588	Soil	0.89	9.2	0.6	<0.05	1.2	3.32	19.0	0.02	<1	0.4	10.9	<10	<2
1076589	Soil	1.26	8.5	0.7	<0.05	2.7	3.06	17.9	0.03	<1	0.3	10.6	<10	<2
1076590 GS-1 STD	Soil	0.64	15.3	0.7	<0.05	1.0	8.05	42.2	<0.02	<1	0.2	29.5	<10	<2
1076597	Soil	0.49	5.3	0.4	<0.05	4.0	7.57	27.2	0.03	<1	0.4	11.0	<10	<2
1076598	Soil	0.29	7.3	0.8	<0.05	7.3	10.96	25.2	0.04	<1	0.6	13.3	<10	<2



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Project: 210800

Report Date: August 07, 2011

Page: 5 of 5 Part 1

CERTIFICATE OF ANALYSIS

WHI11000317.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01
1076599	Soil	1.78	68.21	15.62	110.7	212	24.3	15.7	365	3.00	29.6	0.9	19.0	3.3	26.9	0.56	0.73	0.46	64	0.40
1076600	Soil	2.45	108.5	31.91	218.8	607	17.7	8.0	275	2.36	27.3	1.0	106.9	4.3	32.6	1.46	1.94	0.70	58	0.51
1076601	Soil	1.89	342.8	20.65	266.1	748	16.6	8.6	338	2.25	36.1	0.7	144.8	2.6	31.3	1.08	2.28	0.99	61	0.37
1076602	Soil	1.13	88.49	51.52	482.7	233	25.6	11.5	402	2.99	83.3	0.5	27.5	2.1	19.8	1.23	3.17	0.47	67	0.25
1076603	Soil	0.64	75.62	41.81	145.2	152	21.7	14.2	647	2.87	26.0	0.5	42.8	2.3	23.4	1.84	0.75	1.11	71	0.34
1076604	Soil	0.80	52.01	172.1	414.0	218	28.3	23.0	587	3.30	89.4	0.5	35.6	3.3	32.1	2.56	1.84	0.30	85	0.45
1076605	Soil	2.85	36.33	14.78	109.7	67	26.9	14.5	710	3.86	12.5	0.9	6.5	0.6	22.6	0.46	1.12	0.27	89	0.19
1076606	Soil	1.15	25.41	8.65	58.2	39	29.4	13.5	378	3.27	10.0	0.5	2.7	1.4	19.6	0.28	0.50	0.12	71	0.24
1075398	Soil	0.87	33.79	9.70	63.3	101	34.2	13.8	455	3.28	22.0	0.9	6.1	3.1	32.4	0.10	0.50	0.18	70	0.42
1075399	Soil	1.01	27.33	7.86	62.5	93	29.9	11.2	396	3.04	15.8	0.7	5.4	1.4	30.5	0.09	0.48	0.16	65	0.45
1076591	Soil	2.44	32.71	10.76	84.4	77	26.6	10.9	455	3.92	12.6	0.7	4.2	0.7	19.7	0.15	0.97	0.20	90	0.18
1076592	Soil	0.58	45.18	17.53	95.8	233	28.1	13.1	494	2.92	35.3	0.8	26.3	3.0	40.1	0.74	0.82	0.31	71	0.54
1076593	Soil	1.82	31.87	11.87	65.7	70	23.4	10.5	371	3.63	12.3	0.5	2.4	1.2	28.2	0.39	0.74	0.19	81	0.26
1076594	Soil	0.60	33.18	16.68	121.4	246	20.1	10.2	561	2.78	23.3	1.3	12.0	3.9	35.8	0.90	1.21	0.61	65	0.56
1076595	Soil	0.64	34.66	18.51	97.1	288	24.4	11.5	252	2.66	18.6	1.0	20.2	2.9	29.1	0.40	0.68	1.21	73	0.42
1076596	Soil	0.78	40.81	14.29	76.5	46	27.0	11.3	417	2.75	17.2	0.6	18.3	2.5	29.0	0.40	0.59	0.49	74	0.37



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Project: 210800

Report Date: August 07, 2011

Page: 5 of 5 Part 2

CERTIFICATE OF ANALYSIS

WHI11000317.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Sc ppm	Ti ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Cs ppm	Ge ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
1076599	Soil	11.4	41.2	0.71	134.8	0.090	<1	2.16	0.011	0.05	0.1	4.2	0.10	<0.02	16	0.5	0.10	5.5	1.63	<0.1
1076600	Soil	13.9	33.1	0.74	107.1	0.050	<1	2.03	0.017	0.07	<0.1	5.2	0.14	<0.02	35	0.6	0.10	5.4	5.38	<0.1
1076601	Soil	10.8	27.9	0.81	72.6	0.064	<1	1.96	0.017	0.04	<0.1	2.7	0.06	<0.02	35	0.5	0.13	5.2	3.10	<0.1
1076602	Soil	10.7	46.6	0.95	95.8	0.059	2	2.46	0.010	0.06	<0.1	3.6	0.12	<0.02	35	0.4	0.07	6.2	3.25	<0.1
1076603	Soil	7.9	31.7	0.94	84.9	0.023	<1	2.84	0.006	0.05	<0.1	5.0	0.09	<0.02	29	0.5	0.62	6.7	3.99	<0.1
1076604	Soil	11.0	32.5	0.96	131.0	0.049	<1	2.91	0.012	0.08	<0.1	4.4	0.14	<0.02	34	0.4	0.22	7.0	5.17	<0.1
1076605	Soil	7.9	37.2	0.58	104.4	0.057	1	1.90	0.011	0.05	<0.1	2.4	0.11	0.05	36	0.5	0.08	7.6	1.78	<0.1
1076606	Soil	7.2	37.8	0.68	76.4	0.089	1	2.52	0.010	0.05	0.1	3.0	0.07	0.02	21	0.4	0.04	6.2	1.07	<0.1
1075398	Soil	13.7	43.7	0.88	163.9	0.110	1	2.49	0.023	0.10	<0.1	4.4	0.15	<0.02	24	0.5	<0.02	6.8	1.43	<0.1
1075399	Soil	10.7	39.4	0.73	147.0	0.078	2	2.18	0.023	0.06	0.1	3.2	0.10	0.04	23	0.4	0.03	6.0	1.12	<0.1
1076591	Soil	7.7	39.5	0.62	90.3	0.070	2	2.13	0.008	0.04	<0.1	2.4	0.10	0.04	37	0.4	0.07	8.4	1.34	<0.1
1076592	Soil	12.5	46.8	0.76	133.6	0.114	2	2.16	0.025	0.05	0.1	5.4	0.08	<0.02	21	0.3	0.04	5.5	2.18	<0.1
1076593	Soil	8.1	36.1	0.58	115.4	0.079	1	1.99	0.009	0.05	0.1	2.4	0.07	0.03	19	0.3	0.04	7.6	1.28	<0.1
1076594	Soil	13.1	38.3	0.69	178.9	0.094	1	1.93	0.024	0.07	0.1	5.5	0.07	<0.02	15	0.3	0.14	5.6	4.13	<0.1
1076595	Soil	12.0	40.0	0.65	134.6	0.104	1	2.07	0.013	0.04	0.1	4.4	0.08	<0.02	22	0.3	0.89	5.6	1.37	<0.1
1076596	Soil	9.6	33.9	0.59	114.1	0.110	<1	1.93	0.018	0.05	0.2	3.4	0.06	<0.02	23	0.3	0.23	5.1	1.59	<0.1



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Page: 5 of 5 Part 3

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		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1076599	Soil	0.52	7.4	0.5	<0.05	6.0	7.62	25.6	0.04	<1	0.4	12.1	<10	<2	6.4
1076600	Soil	0.39	8.7	0.7	<0.05	6.8	12.54	31.0	0.05	1	0.8	15.6	13	<2	7.1
1076601	Soil	0.57	4.7	0.4	<0.05	1.8	7.08	23.4	0.07	<1	0.4	12.6	12	<2	6.5
1076602	Soil	0.77	8.3	0.6	<0.05	1.4	5.83	25.6	0.06	<1	0.6	16.5	32	<2	9.1
1076603	Soil	0.53	5.1	1.1	<0.05	1.6	8.41	27.1	0.06	<1	0.5	16.4	<10	<2	13.0
1076604	Soil	0.84	8.5	0.6	<0.05	2.4	6.80	28.4	0.03	<1	0.5	14.9	26	<2	10.5
1076605	Soil	0.84	10.0	0.7	<0.05	1.3	4.00	17.7	0.04	1	0.5	12.5	<10	<2	16.3
1076606	Soil	1.24	6.2	0.5	<0.05	3.0	3.86	16.5	0.03	<1	0.4	15.4	<10	<2	15.4
1075398	Soil	1.21	16.1	0.6	<0.05	4.0	7.64	27.9	0.02	<1	0.5	15.9	<10	<2	10.2
1075399	Soil	1.14	10.8	0.5	<0.05	2.9	5.98	23.6	0.03	<1	0.5	12.7	<10	<2	15.9
1076591	Soil	1.08	7.8	0.7	<0.05	1.6	3.67	16.1	0.03	1	0.4	16.9	<10	<2	16.8
1076592	Soil	0.61	6.0	0.4	<0.05	7.8	10.93	26.5	0.02	<1	0.5	14.2	<10	<2	6.9
1076593	Soil	1.22	8.2	0.6	<0.05	2.6	3.75	17.9	0.03	<1	0.3	16.7	<10	<2	15.0
1076594	Soil	0.18	6.9	0.4	<0.05	11.2	11.23	27.2	0.03	<1	0.5	12.4	<10	<2	6.4
1076595	Soil	0.52	5.0	0.5	<0.05	5.9	8.25	27.6	0.03	<1	0.3	11.5	<10	<2	6.4
1076596	Soil	0.91	5.2	0.4	<0.05	5.7	5.06	19.3	0.02	<1	0.2	10.5	<10	<2	7.5



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Project: 210800

Report Date: August 07, 2011

Page: 1 of 2 Part 1

QUALITY CONTROL REPORT

WHI11000317.1

Method Analyte Unit MDL		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	0.001
Pulp Duplicates																					
1077156	Soil	1.28	23.44	6.13	50.2	108	18.1	8.8	296	2.32	8.5	1.6	2.8	1.2	35.7	0.21	0.48	0.14	51	0.63	0.065
REP 1077156	QC	1.24	23.44	6.19	50.3	128	18.8	8.8	312	2.39	9.1	1.6	3.0	1.3	37.4	0.22	0.52	0.21	51	0.64	0.071
1076871	Soil	1.42	40.21	6.09	76.7	146	36.6	13.3	443	2.82	8.1	1.1	3.5	2.4	38.8	0.18	0.49	0.11	74	0.85	0.079
REP 1076871	QC	1.40	38.42	5.75	75.1	147	34.4	12.9	417	2.80	8.0	1.1	3.8	2.3	38.1	0.21	0.46	0.10	73	0.84	0.080
1076883	Soil	1.07	28.01	7.10	66.8	67	31.1	13.8	506	3.58	9.2	3.1	2.9	8.1	43.6	0.07	0.52	0.14	78	0.57	0.074
REP 1076883	QC	1.06	28.89	7.54	70.6	76	31.7	14.6	528	3.58	9.4	3.3	2.7	8.5	44.9	0.09	0.52	0.15	80	0.57	0.075
1077169	Soil	1.06	35.28	6.03	61.2	67	38.1	12.8	462	3.08	6.7	0.7	2.4	2.4	28.9	0.10	0.42	0.10	75	0.64	0.075
REP 1077169	QC																				
1076575	Soil	0.96	35.74	6.12	72.8	92	42.5	15.1	447	3.41	9.0	1.2	2.8	3.0	38.7	0.11	0.39	0.12	77	0.83	0.050
REP 1076575	QC	0.93	36.63	6.41	77.3	100	45.1	16.4	466	3.43	9.0	1.3	1.8	3.1	39.4	0.12	0.38	0.16	78	0.83	0.049
1076587	Soil	0.86	23.45	25.59	121.6	347	20.7	10.1	451	2.59	28.3	0.6	20.1	1.3	25.7	0.69	2.65	0.59	58	0.31	0.055
REP 1076587	QC	0.99	25.21	27.17	132.9	354	22.4	10.4	464	2.66	30.3	0.6	16.7	1.5	27.7	0.75	2.83	0.66	60	0.35	0.057
1076590 GS-1 STD	Soil	0.69	23.23	9.63	57.2	40	27.5	12.0	461	2.91	4.4	1.6	0.6	7.8	90.3	0.07	0.19	0.23	15	4.12	0.040
REP 1076590 GS-1 STD	QC																				
1076599	Soil	1.78	68.21	15.62	110.7	212	24.3	15.7	365	3.00	29.6	0.9	19.0	3.3	26.9	0.56	0.73	0.46	64	0.40	0.082
REP 1076599	QC	1.86	67.74	15.92	112.9	224	25.3	15.4	363	2.97	30.1	0.9	56.7	3.2	27.3	0.55	0.76	0.46	64	0.40	0.082
1076596	Soil	0.78	40.81	14.29	76.5	46	27.0	11.3	417	2.75	17.2	0.6	18.3	2.5	29.0	0.40	0.59	0.49	74	0.37	0.058
REP 1076596	QC	0.71	41.00	14.19	76.7	53	26.6	11.3	422	2.72	16.9	0.6	17.0	2.4	28.7	0.46	0.64	0.48	72	0.37	0.056
Reference Materials																					
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DS8	Standard	12.47	105.4	121.6	318.2	1902	35.6	7.3	617	2.46	25.4	2.6	122.7	6.4	61.9	2.29	5.22	6.35	41	0.71	0.078
STD DS8	Standard	11.82	103.4	113.5	299.7	1750	35.7	6.9	588	2.43	24.9	2.4	108.1	6.0	59.2	2.19	4.98	5.90	41	0.70	0.082
STD DS8	Standard	12.78	109.5	113.9	306.7	1623	36.5	7.2	574	2.45	23.2	2.6	104.5	6.5	62.2	2.19	5.08	6.06	39	0.68	0.075
STD DS8	Standard	12.71	108.3	116.7	309.7	1720	35.4	6.9	585	2.43	22.6	2.6	108.0	6.3	61.7	2.39	5.26	6.23	40	0.67	0.076
STD DS8	Standard	13.01	114.2	117.8	328.8	1719	38.3	7.3	598	2.52	24.1	2.6	105.5	6.3	65.2	2.31	5.33	6.36	41	0.70	0.074
STD DS8	Standard	13.14	109.3	123.1	306.5	1698	35.8	7.1	598	2.45	23.0	2.6	106.0	6.4	63.2	2.24	5.13	6.23	40	0.68	0.070



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Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

WHI11000317.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
Pulp Duplicates																					
1077156	Soil	8.8	25.5	0.52	102.4	0.057	1	1.26	0.029	0.05	0.1	1.9	0.09	0.05	30	0.4	0.04	4.5	0.91	<0.1	0.03
REP 1077156	QC	9.7	27.3	0.53	111.0	0.072	2	1.26	0.031	0.06	0.1	2.1	0.10	0.05	30	0.4	0.04	4.5	1.11	<0.1	0.04
1076871	Soil	11.8	49.2	0.84	173.4	0.124	2	1.89	0.034	0.09	0.1	4.8	0.12	0.03	38	0.4	0.04	5.5	1.08	<0.1	0.10
REP 1076871	QC	11.9	46.8	0.83	174.3	0.120	3	1.84	0.033	0.09	0.1	4.6	0.12	0.03	31	0.5	0.02	5.3	1.05	<0.1	0.10
1076883	Soil	20.8	39.6	0.93	258.2	0.102	4	2.71	0.025	0.08	0.1	6.4	0.14	0.02	31	0.5	0.03	7.1	1.54	<0.1	0.10
REP 1076883	QC	21.7	41.2	0.93	270.9	0.102	1	2.72	0.024	0.08	0.1	6.3	0.15	0.02	26	0.2	0.03	7.8	1.63	<0.1	0.09
1077169	Soil	12.9	47.8	0.84	196.1	0.107	2	2.03	0.030	0.08	<0.1	5.4	0.10	<0.02	26	0.1	0.03	5.7	1.00	<0.1	0.07
REP 1077169	QC																				
1076575	Soil	16.8	56.5	1.05	156.2	0.150	4	2.39	0.056	0.12	0.2	5.6	0.17	0.04	31	0.3	0.03	7.2	1.80	<0.1	0.07
REP 1076575	QC	17.8	58.5	1.05	160.3	0.152	2	2.42	0.055	0.13	0.1	5.8	0.16	0.04	33	0.4	0.04	7.6	1.83	<0.1	0.09
1076587	Soil	9.3	38.2	0.65	140.4	0.063	1	1.93	0.011	0.06	<0.1	2.9	0.09	0.03	27	0.3	0.10	5.9	3.87	<0.1	0.04
REP 1076587	QC	10.0	39.8	0.67	149.8	0.065	1	1.98	0.011	0.06	0.1	3.2	0.10	0.03	39	0.4	0.11	6.4	4.01	<0.1	0.04
1076590 GS-1 STD	Soil	20.9	21.7	1.15	70.5	0.032	1	1.29	0.021	0.23	<0.1	2.0	0.10	0.03	7	0.2	0.06	3.8	1.08	<0.1	<0.02
REP 1076590 GS-1 STD	QC																				
1076599	Soil	11.4	41.2	0.71	134.8	0.090	<1	2.16	0.011	0.05	0.1	4.2	0.10	<0.02	16	0.5	0.10	5.5	1.63	<0.1	0.09
REP 1076599	QC	12.1	40.9	0.71	139.6	0.092	1	2.10	0.011	0.05	0.1	4.2	0.10	<0.02	17	0.5	0.10	5.6	1.67	<0.1	0.09
1076596	Soil	9.6	33.9	0.59	114.1	0.110	<1	1.93	0.018	0.05	0.2	3.4	0.06	<0.02	23	0.3	0.23	5.1	1.59	<0.1	0.11
REP 1076596	QC	9.3	32.6	0.58	113.3	0.108	2	1.89	0.017	0.04	0.2	3.3	0.06	<0.02	26	0.1	0.21	4.9	1.59	<0.1	0.11
Reference Materials																					
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DS8	Standard	15.2	107.6	0.61	270.5	0.106	3	0.95	0.102	0.44	3.0	2.4	5.66	0.16	202	5.3	5.22	4.8	2.59	0.1	0.09
STD DS8	Standard	14.3	107.8	0.59	252.3	0.104	<1	0.94	0.102	0.43	2.9	2.2	5.08	0.16	185	5.2	4.67	4.6	2.35	0.1	0.08
STD DS8	Standard	14.5	114.6	0.60	252.6	0.107	3	0.91	0.084	0.40	2.8	1.8	5.02	0.15	204	4.8	4.53	4.4	2.23	<0.1	0.09
STD DS8	Standard	14.4	111.7	0.60	261.7	0.106	3	0.90	0.083	0.40	2.9	1.9	5.07	0.15	214	5.1	4.90	4.3	2.26	0.1	0.09
STD DS8	Standard	14.9	119.6	0.62	254.6	0.108	2	0.94	0.087	0.42	2.8	2.0	5.15	0.16	180	5.4	5.09	4.9	2.35	0.1	0.09
STD DS8	Standard	15.0	118.8	0.60	238.8	0.111	3	0.91	0.085	0.40	2.8	2.0	5.09	0.15	187	5.4	4.96	4.4	2.30	0.1	0.08



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Report Date: August 07, 2011

Page: 1 of 2 Part 3

QUALITY CONTROL REPORT

WHI11000317.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI	
		Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%	
		0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1	
Pulp Duplicates																
1077156	Soil	1.04	10.5	0.5	<0.05	2.5	4.92	16.2	<0.02	<1	0.3	9.5	<10	<2	20.6	
REP 1077156	QC	1.00	11.9	0.4	<0.05	2.0	5.25	18.3	<0.02	<1	0.3	9.5	<10	<2	20.8	
1076871	Soil	1.48	13.7	0.7	<0.05	5.3	9.63	24.5	<0.02	<1	0.3	14.9	<10	<2	11.4	
REP 1076871	QC	1.43	13.1	0.8	<0.05	5.3	9.06	25.1	0.03	<1	0.4	14.1	<10	2		
1076883	Soil	1.10	12.4	0.6	<0.05	4.3	10.55	38.1	0.03	<1	<0.1	16.3	<10	<2	10.9	
REP 1076883	QC	1.09	12.5	0.6	<0.05	4.6	11.30	39.8	0.03	<1	0.9	16.3	<10	<2		
1077169	Soil	0.75	10.4	1.1	<0.05	4.0	10.33	26.7	0.03	1	0.7	14.5	<10	<2	7.0	
REP 1077169	QC														6.9	
1076575	Soil	3.04	19.4	0.8	<0.05	4.3	10.16	34.3	0.03	<1	0.1	15.7	<10	<2	15.3	
REP 1076575	QC	3.16	20.0	0.8	<0.05	4.5	10.36	35.3	0.04	<1	<0.1	16.6	<10	<2		
1076587	Soil	0.86	8.1	0.5	<0.05	1.9	4.85	19.4	0.04	<1	0.4	13.6	<10	<2	12.7	
REP 1076587	QC	0.90	8.8	0.5	<0.05	2.4	5.27	20.1	0.03	<1	0.4	14.7	<10	<2		
1076590 GS-1 STD	Soil	0.64	15.3	0.7	<0.05	1.0	8.05	42.2	<0.02	<1	0.2	29.5	<10	<2	8.3	
REP 1076590 GS-1 STD	QC														8.5	
1076599	Soil	0.52	7.4	0.5	<0.05	6.0	7.62	25.6	0.04	<1	0.4	12.1	<10	<2	6.4	
REP 1076599	QC	0.55	7.9	0.5	<0.05	6.0	7.88	25.3	0.03	<1	0.2	13.1	<10	<2		
1076596	Soil	0.91	5.2	0.4	<0.05	5.7	5.06	19.3	0.02	<1	0.2	10.5	<10	<2	7.5	
REP 1076596	QC	0.85	5.2	0.4	<0.05	6.1	5.03	19.5	0.02	<1	0.4	11.6	<10	<2		
Reference Materials																
STD DOLOMITE-2	Standard															46.0
STD DOLOMITE-2	Standard															46.2
STD DOLOMITE-2	Standard															46.1
STD DS8	Standard	1.29	38.7	6.6	<0.05	2.1	5.94	29.4	2.26	67	4.3	27.1	134	359		
STD DS8	Standard	1.33	36.5	6.2	<0.05	2.0	5.71	26.3	2.06	54	6.0	26.2	124	333		
STD DS8	Standard	1.21	35.9	6.3	<0.05	2.1	5.65	26.9	2.09	55	5.2	26.4	111	327		
STD DS8	Standard	1.27	35.9	6.4	<0.05	2.1	5.51	26.9	2.24	52	5.1	25.2	117	319		
STD DS8	Standard	1.23	38.2	6.5	<0.05	2.2	5.99	27.4	2.15	56	5.6	25.5	124	344		
STD DS8	Standard	1.24	36.4	6.4	<0.05	2.2	6.04	28.1	2.04	58	4.6	25.4	111	327		



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Report Date: August 07, 2011

Page: 2 of 2 Part 1

QUALITY CONTROL REPORT

WHI11000317.1

		1F30 Mo ppm 0.01	1F30 Cu ppm 0.01	1F30 Pb ppm 0.01	1F30 Zn ppm 0.1	1F30 Ag ppb 2	1F30 Ni ppm 0.1	1F30 Co ppm 0.1	1F30 Mn ppm 1	1F30 Fe % 0.01	1F30 As ppm 0.1	1F30 U ppm 0.1	1F30 Au ppb 0.2	1F30 Th ppm 0.1	1F30 Sr ppm 0.5	1F30 Cd ppm 0.01	1F30 Sb ppm 0.02	1F30 Bi ppm 0.02	1F30 V ppm 2	1F30 Ca % 0.01	1F30 P % 0.001
STD DS8	Standard	13.59	108.0	127.6	323.5	1919	36.4	7.6	609	2.46	24.8	3.0	120.5	7.5	71.6	2.34	5.79	6.92	43	0.73	0.086
STD DS8	Standard	13.41	105.6	132.0	315.5	1885	37.6	7.3	611	2.41	25.5	3.0	120.2	7.6	72.5	2.42	5.87	7.18	41	0.72	0.080
STD DOLOMITE-2 Expected																					
STD DS8 Expected		13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01	<0.001



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Page: 2 of 2 Part 2

QUALITY CONTROL REPORT

WHI11000317.1

		1F30 La ppm 0.5	1F30 Cr ppm 0.5	1F30 Mg % 0.01	1F30 Ba ppm 0.5	1F30 Ti % 0.001	1F30 B ppm 1	1F30 Al % 0.01	1F30 Na % 0.001	1F30 K % 0.01	1F30 W ppm 0.1	1F30 Sc ppm 0.1	1F30 Ti ppm 0.02	1F30 S % 0.02	1F30 Hg ppb 5	1F30 Se ppm 0.1	1F30 Te ppm 0.02	1F30 Ga ppm 0.1	1F30 Cs ppm 0.02	1F30 Ge ppm 0.1	1F30 Hf ppm 0.02
STD DS8	Standard	17.5	117.4	0.61	281.5	0.116	3	0.93	0.089	0.43	3.1	2.4	5.54	0.17	200	5.4	4.97	4.7	2.53	<0.1	0.10
STD DS8	Standard	17.9	113.0	0.60	283.6	0.113	4	0.91	0.087	0.41	3.2	2.3	5.67	0.16	203	5.5	4.93	4.7	2.61	0.1	0.09
STD DOLOMITE-2 Expected																					
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48	0.13	0.08
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02



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Project: 210800

Report Date: August 07, 2011

Page: 2 of 2 Part 3

QUALITY CONTROL REPORT

WHI11000317.1

		1F30 Nb ppm 0.02	1F30 Rb ppm 0.1	1F30 Sn ppm 0.1	1F30 Ta ppm 0.05	1F30 Zr ppm 0.1	1F30 Y ppm 0.01	1F30 Ce ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2	LOI %
STD DS8	Standard	1.41	38.8	7.2	<0.05	2.4	6.82	30.9	2.30	58	4.4	28.6	123	351	
STD DS8	Standard	1.35	38.3	7.2	<0.05	2.4	6.66	31.6	2.46	62	4.8	26.5	115	376	
STD DOLOMITE-2 Expected															46
STD DS8 Expected		1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339	
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	



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Submitted By: Andrea Langerud

Receiving Lab: Canada-Whitehorse

Received: September 10, 2011

Report Date: October 12, 2011

Page: 1 of 7

CERTIFICATE OF ANALYSIS

WHI11001339.1

CLIENT JOB INFORMATION

Project: 210800
Shipment ID: YTG-018
P.O. Number
Number of Samples: 175

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.

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

CC: Randy Farmer
Rupa Mukherjee

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	166	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	166	Dry at 60C			WHI
RJSV	166	Saving all or part of Soil Reject			WHI
1F06	172	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
2A05	173	Loss on Ignition at 1000 C		Completed	VAN

ADDITIONAL COMMENTS



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



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Project: 210800
Report Date: October 12, 2011

Page: 2 of 7 Part 1

CERTIFICATE OF ANALYSIS

WHI11001339.1

	Method	Analyte	Unit	MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30			
					-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
					g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
					0	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
1075143	Soil			318.0	1448	0.62	38.59	15.60	127.2	372	21.3	12.0	496	3.61	33.0	1.1	14.2	5.8	25.4	0.98	2.13	0.88	65	
1075144	Soil			259.0	775.0	2.19	27.27	12.48	100.0	361	17.6	35.7	5659	3.51	23.2	0.6	7.5	0.8	29.4	0.87	0.95	0.53	59	
1075145	Soil			388.0	1595	0.39	27.42	16.81	98.8	155	16.6	8.6	190	2.35	22.0	0.6	7.9	3.1	17.1	0.48	1.83	0.85	53	
1075146	Soil			92.00	1561	0.30	22.89	22.56	104.7	190	14.4	6.2	150	1.71	11.8	0.5	8.7	3.2	17.8	0.55	2.51	0.99	48	
1075147	Soil			187.0	1352	0.39	23.69	16.80	87.7	127	19.3	9.3	205	2.02	13.4	0.6	9.5	2.8	22.1	0.63	1.00	0.32	56	
1075148	Soil			118.0	918.0	1.53	35.27	15.87	111.4	394	17.9	6.7	213	2.22	47.1	0.8	14.0	0.4	21.6	0.33	0.87	0.36	49	
1075149	Soil			252.0	933.0	1.07	36.12	19.90	108.0	177	20.3	10.5	484	2.63	51.8	0.6	12.2	0.8	23.0	0.51	0.84	0.27	55	
1075150 GS-1	Soil			N.A.	N.A.	0.60	19.30	8.12	48.4	35	24.4	11.1	391	2.63	4.2	1.3	0.9	6.0	79.0	0.06	0.20	0.22	13	
1075201	Soil			133.0	1593	0.89	32.27	71.18	456.6	383	18.1	10.9	459	2.47	90.9	0.6	94.5	1.9	23.0	4.22	1.62	0.58	62	
1075202	Soil			280.0	1425	0.88	36.39	76.94	725.7	225	20.4	13.0	564	2.77	113.4	0.6	31.7	1.9	23.1	3.85	3.30	0.53	69	
1075203	Soil			350.0	975.0	2.42	21.18	17.40	87.4	160	18.0	9.1	458	3.27	28.6	0.4	5.8	0.8	20.7	0.95	0.94	0.29	83	
1075204	Soil			250.0	765.0	2.81	32.31	9.76	60.8	52	25.4	10.2	280	3.72	14.5	0.5	3.8	1.1	21.1	0.18	1.09	0.22	81	
1075205	Soil			165.0	735.0	6.42	47.26	16.30	64.1	295	15.9	7.1	316	2.10	33.8	1.0	21.7	0.6	21.0	0.25	0.56	0.32	46	
1075484	Soil			350.0	1600	2.20	23.96	18.93	61.6	271	16.3	8.4	289	2.57	5.1	3.5	3.0	10.8	21.5	0.21	0.44	1.14	59	
1075485	Soil			20.00	1025	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
1075486	Soil			530.0	1575	1.25	22.86	7.30	50.2	88	22.3	10.0	504	2.56	6.1	1.4	15.3	5.3	24.8	0.22	0.41	1.47	62	
1075487	Soil			380.0	1435	1.47	25.05	9.85	56.8	83	21.9	10.1	459	2.58	5.7	1.1	5.0	4.9	25.5	0.21	0.32	1.82	63	
1075488	Soil			440.0	1545	4.14	25.84	13.56	55.9	180	18.9	11.1	598	2.85	7.9	1.5	3.9	5.3	37.9	0.15	1.08	3.13	65	
1075489	Soil			560.0	1480	1.93	35.04	10.98	55.0	77	29.2	12.4	584	2.92	6.3	1.0	6.1	4.3	26.6	0.22	0.49	1.30	71	
1075490 Agi Dagi B	Soil			N.A.	N.A.	2.45	7.27	17.94	15.0	18	9.8	2.9	60	3.16	56.1	0.6	74.2	3.7	23.0	0.02	0.76	1.54	49	
1075491	Soil			275.0	1295	3.92	19.73	11.63	55.5	97	19.1	11.3	458	2.46	6.6	3.4	3.9	4.1	31.0	0.17	0.44	0.55	56	
1075492	Soil			435.0	1765	2.03	18.32	8.78	58.4	59	19.8	11.9	471	2.85	6.5	2.1	3.1	5.1	23.3	0.12	0.36	0.64	63	
1075493	Soil			395.0	1580	1.62	16.56	11.06	55.4	84	17.5	12.2	691	2.61	6.0	1.3	7.3	5.2	23.4	0.15	0.33	0.90	58	
1075494	Soil			55.00	1385	1.62	20.46	12.53	55.5	92	20.5	7.7	172	2.30	7.5	1.4	5.2	2.5	21.6	0.13	0.48	0.74	57	
1075495	Soil			360.0	730.0	1.71	29.14	10.46	52.1	283	18.5	9.6	399	2.12	7.6	4.3	2.7	1.3	37.5	0.27	0.50	0.89	44	
1075496	Soil			630.0	1865	1.58	20.90	15.61	70.4	154	21.6	9.8	215	2.56	5.5	1.9	3.3	6.9	20.5	0.17	0.43	2.10	54	
1075497	Soil			650.0	1870	1.54	22.35	22.78	64.0	242	20.1	8.9	191	2.54	5.8	2.4	12.2	8.8	21.9	0.23	0.39	3.28	60	
1075498	Soil			730.0	1670	1.93	20.55	9.57	58.4	92	19.3	9.7	188	2.95	6.4	2.6	4.4	7.0	28.3	0.15	0.37	1.22	65	
1075499	Soil			610.0	1280	3.11	18.58	10.27	47.5	87	17.1	7.4	147	2.52	7.1	2.0	6.0	3.4	20.5	0.08	0.37	1.30	63	
1075500	Soil			450.0	1345	1.45	26.45	18.97	66.1	256	20.3	9.3	425	2.22	5.0	3.5	3.7	3.9	25.7	0.26	0.41	1.44	48	



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Project:

210800

Report Date:

October 12, 2011

Page:

2 of 7

Part 2

CERTIFICATE OF ANALYSIS

WHI11001339.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1075143	Soil	0.35	0.070	18.4	39.0	0.65	209.8	0.051	<1	2.04	0.006	0.07	0.1	6.4	0.18	<0.02	48	0.3	0.12	5.5	5.24
1075144	Soil	0.28	0.087	6.7	28.7	0.44	205.9	0.025	<1	2.04	0.007	0.05	0.1	2.4	0.17	0.07	39	0.3	0.08	6.5	3.94
1075145	Soil	0.25	0.058	9.6	29.0	0.58	136.8	0.050	<1	1.77	0.005	0.05	<0.1	3.8	0.15	<0.02	19	0.2	0.12	4.6	3.56
1075146	Soil	0.23	0.035	8.2	28.2	0.55	141.3	0.054	<1	1.62	0.006	0.04	0.1	3.4	0.13	<0.02	23	<0.1	0.09	4.4	3.26
1075147	Soil	0.30	0.050	9.7	34.0	0.61	149.4	0.083	<1	1.89	0.009	0.05	0.1	3.8	0.11	<0.02	31	<0.1	0.06	5.1	1.37
1075148	Soil	0.21	0.087	7.4	29.4	0.45	134.2	0.021	<1	2.11	0.008	0.04	0.1	1.5	0.14	0.08	54	0.4	0.10	5.4	2.95
1075149	Soil	0.22	0.049	6.7	27.1	0.46	114.1	0.042	<1	2.04	0.008	0.04	0.1	2.2	0.12	0.03	36	0.3	0.09	5.3	2.11
1075150 GS-1	Soil	3.67	0.040	13.9	19.5	1.01	64.3	0.025	<1	1.06	0.016	0.19	0.1	1.7	0.10	0.03	13	0.2	<0.02	3.2	0.92
1075201	Soil	0.30	0.070	8.5	24.9	0.46	98.8	0.049	<1	1.51	0.010	0.04	0.2	2.2	0.07	0.02	37	0.4	0.28	4.3	2.29
1075202	Soil	0.31	0.077	9.5	27.2	0.54	98.4	0.048	<1	1.83	0.007	0.04	0.2	2.4	0.09	0.03	47	0.2	0.13	4.8	2.65
1075203	Soil	0.19	0.036	5.7	27.0	0.37	100.5	0.053	<1	1.49	0.004	0.04	0.1	1.7	0.09	0.03	25	0.2	0.07	7.9	1.99
1075204	Soil	0.18	0.028	5.8	30.3	0.43	105.6	0.055	<1	1.82	0.005	0.04	0.1	2.0	0.09	0.03	21	0.2	0.05	7.2	1.13
1075205	Soil	0.23	0.070	6.9	23.5	0.41	106.4	0.031	<1	1.68	0.013	0.04	0.1	1.6	0.07	0.07	43	0.4	0.12	4.7	2.05
1075484	Soil	0.47	0.065	19.8	28.7	0.62	156.0	0.089	<1	1.48	0.012	0.11	1.2	3.2	0.18	0.04	22	0.2	<0.02	5.5	2.09
1075485	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1075486	Soil	0.38	0.041	11.5	25.9	0.57	134.8	0.088	<1	1.29	0.017	0.06	3.4	2.4	0.14	<0.02	30	0.1	0.06	4.2	1.44
1075487	Soil	0.37	0.027	8.7	28.0	0.60	101.3	0.093	<1	1.22	0.017	0.06	2.7	2.3	0.12	<0.02	30	0.1	0.04	4.4	1.38
1075488	Soil	0.43	0.033	9.5	27.4	0.62	125.7	0.086	<1	1.43	0.015	0.07	1.1	2.6	0.18	0.03	13	0.1	0.05	4.7	2.15
1075489	Soil	0.44	0.029	8.1	31.1	0.71	129.2	0.098	<1	1.59	0.021	0.06	1.0	2.8	0.10	0.02	22	0.1	0.02	4.8	1.51
1075490 Agi Dagi B	Soil	0.04	0.016	6.2	18.1	0.12	55.4	0.015	1	0.95	<0.001	0.05	0.1	1.6	0.10	<0.02	25	2.1	0.38	7.1	0.70
1075491	Soil	0.63	0.048	13.4	28.5	0.56	154.1	0.070	<1	1.37	0.021	0.05	0.5	2.9	0.14	0.04	26	0.2	0.02	4.6	1.29
1075492	Soil	0.41	0.037	11.3	28.9	0.68	123.6	0.082	3	1.59	0.015	0.06	1.4	3.0	0.14	0.03	29	<0.1	0.03	5.0	1.64
1075493	Soil	0.44	0.027	9.0	25.1	0.60	117.7	0.086	1	1.39	0.014	0.06	0.7	2.5	0.13	0.02	17	<0.1	0.05	4.8	1.48
1075494	Soil	0.36	0.047	7.6	30.1	0.61	108.9	0.052	<1	1.56	0.013	0.05	0.1	2.4	0.11	0.04	49	0.2	0.04	5.3	1.17
1075495	Soil	0.72	0.069	11.4	26.8	0.45	127.9	0.033	<1	1.27	0.016	0.04	0.2	1.9	0.10	0.06	41	0.3	0.05	4.5	1.11
1075496	Soil	0.36	0.052	9.9	32.1	0.73	128.8	0.083	<1	1.75	0.013	0.06	0.5	2.9	0.16	0.03	40	0.1	<0.02	5.8	1.72
1075497	Soil	0.40	0.056	10.2	29.2	0.69	125.7	0.091	<1	1.72	0.015	0.06	0.6	3.1	0.17	<0.02	19	<0.1	0.03	5.5	1.86
1075498	Soil	0.36	0.050	11.4	29.8	0.66	122.0	0.081	1	1.63	0.015	0.06	0.7	3.0	0.13	0.02	22	<0.1	0.02	5.1	1.35
1075499	Soil	0.32	0.045	8.9	29.1	0.59	97.7	0.059	<1	1.60	0.013	0.04	0.4	2.6	0.13	0.04	41	0.1	0.04	5.1	1.24
1075500	Soil	0.49	0.076	11.2	35.3	0.63	140.4	0.058	<1	1.63	0.015	0.05	0.3	3.2	0.14	0.05	47	0.2	0.02	5.4	1.49



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Project: 210800

Report Date: October 12, 2011

Page: 2 of 7 Part 3

CERTIFICATE OF ANALYSIS

WHI11001339.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1075143	Soil	<0.1	0.07	0.37	8.9	0.9	<0.05	5.1	14.20	40.1	0.08	<1	0.7	13.0	<10	<2	8.3
1075144	Soil	<0.1	0.03	0.57	10.3	0.6	<0.05	1.0	4.50	22.4	0.04	<1	0.4	10.0	<10	<2	23.8
1075145	Soil	<0.1	0.05	0.43	6.1	1.2	<0.05	2.9	7.13	22.4	0.05	<1	0.4	10.2	<10	<2	7.8
1075146	Soil	<0.1	0.06	0.46	6.1	0.4	<0.05	3.2	5.73	18.4	0.05	1	0.3	10.3	<10	<2	6.3
1075147	Soil	<0.1	0.10	0.47	6.2	0.8	<0.05	5.1	7.06	22.6	0.03	<1	0.4	11.8	<10	<2	6.5
1075148	Soil	<0.1	<0.02	0.64	6.5	0.4	<0.05	0.9	5.60	15.1	0.03	2	0.4	10.3	<10	<2	25.6
1075149	Soil	<0.1	<0.02	0.72	5.6	0.9	<0.05	1.2	4.73	16.8	0.03	<1	0.4	10.6	<10	<2	15.6
1075150 GS-1	Soil	<0.1	<0.02	0.48	13.4	0.6	<0.05	0.7	6.52	28.5	<0.02	1	0.2	28.8	<10	<2	8.6
1075201	Soil	<0.1	0.06	0.52	4.7	0.4	<0.05	2.0	5.89	21.6	0.07	<1	0.4	9.0	<10	<2	10.8
1075202	Soil	<0.1	0.04	0.60	5.1	0.7	<0.05	1.6	6.52	24.0	0.08	3	0.4	10.0	<10	<2	12.2
1075203	Soil	<0.1	0.02	0.94	8.1	1.2	<0.05	1.1	2.32	13.5	<0.02	<1	0.2	10.5	<10	<2	15.2
1075204	Soil	<0.1	0.03	0.98	6.5	0.8	<0.05	1.7	2.92	13.0	0.03	<1	0.3	13.7	<10	<2	15.5
1075205	Soil	<0.1	0.02	0.64	5.2	0.5	<0.05	1.5	5.37	14.3	<0.02	<1	0.4	8.8	<10	<2	22.6
1075484	Soil	<0.1	0.06	1.53	18.8	1.0	<0.05	2.7	7.43	32.9	0.02	<1	0.4	17.2	<10	<2	13.8
1075485	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	27.1
1075486	Soil	<0.1	0.06	1.15	11.2	1.1	<0.05	3.0	4.28	28.1	0.02	<1	0.3	11.0	<10	<2	8.2
1075487	Soil	<0.1	0.05	1.09	9.9	1.3	<0.05	2.9	2.95	20.0	<0.02	<1	0.2	10.7	<10	2	8.2
1075488	Soil	<0.1	0.05	1.47	12.7	1.0	<0.05	2.2	3.00	18.6	0.02	<1	0.3	12.6	<10	<2	11.0
1075489	Soil	<0.1	0.08	0.95	8.5	1.2	<0.05	3.4	3.98	27.0	0.02	<1	0.3	12.4	<10	<2	8.6
1075490 Agi Dagi B	Soil	<0.1	0.13	0.27	8.5	0.5	<0.05	6.2	1.86	13.7	<0.02	1	0.3	7.7	<10	<2	10.5
1075491	Soil	<0.1	0.05	1.44	7.8	1.0	<0.05	2.7	6.62	25.5	0.02	<1	0.3	12.8	<10	<2	19.2
1075492	Soil	<0.1	0.05	1.34	8.8	1.0	<0.05	2.4	4.69	22.6	<0.02	<1	0.3	18.3	<10	<2	13.6
1075493	Soil	<0.1	0.04	1.33	9.8	1.2	<0.05	2.3	3.00	18.3	0.02	<1	0.2	15.5	<10	<2	11.7
1075494	Soil	<0.1	0.04	0.97	7.5	1.0	<0.05	1.9	3.80	15.1	0.03	<1	0.2	14.5	<10	<2	16.5
1075495	Soil	<0.1	0.02	0.93	8.2	0.5	<0.05	1.7	5.71	21.9	<0.02	<1	0.3	11.6	<10	<2	25.9
1075496	Soil	<0.1	0.06	1.31	12.9	1.1	<0.05	2.3	4.50	19.5	0.03	<1	0.3	16.7	<10	<2	11.5
1075497	Soil	<0.1	0.06	1.22	12.0	1.5	<0.05	2.7	4.78	20.8	0.03	1	0.4	16.8	<10	<2	9.5
1075498	Soil	<0.1	0.05	1.38	13.1	1.3	<0.05	2.6	4.80	22.5	<0.02	<1	0.2	15.2	<10	<2	11.6
1075499	Soil	<0.1	0.04	1.16	5.1	0.7	<0.05	1.8	3.48	17.5	0.03	<1	0.3	13.1	<10	<2	14.8
1075500	Soil	<0.1	0.03	1.05	9.2	1.0	<0.05	1.9	5.33	22.7	<0.02	1	0.2	15.3	<10	<2	17.1



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Report Date: October 12, 2011

Page: 3 of 7 Part 1

CERTIFICATE OF ANALYSIS

WHI11001339.1

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1081176	Soil	515.0	1255	1.22	24.36	6.34	57.1	73	28.3	13.8	628	3.21	13.1	1.6	10.0	3.7	23.4	0.17	0.54	0.15
1081177	Soil	215.0	2140	1.14	25.50	6.43	59.2	46	29.4	13.2	510	3.24	9.1	0.8	3.8	5.6	23.7	0.10	0.55	0.21
1081178	Soil	400.0	970.0	1.52	22.80	6.98	49.8	74	25.5	14.0	617	3.03	8.3	1.2	2.6	2.0	24.9	0.13	0.54	0.14
1081179	Soil	595.0	1675	1.39	29.57	9.31	63.9	81	31.4	13.3	522	3.29	13.6	4.1	4.0	4.2	28.2	0.13	0.59	0.14
1081180	Soil	210.0	1250	1.78	17.73	7.50	48.4	81	18.6	10.6	521	2.67	6.3	0.7	6.9	0.5	27.1	0.14	0.55	0.12
1081181	Soil	380.0	695.0	1.92	18.00	8.50	57.1	232	29.0	12.9	413	3.66	16.0	0.6	1.7	1.7	22.1	0.11	0.77	0.14
1081182	Soil	245.0	925.0	1.60	22.23	16.23	61.8	528	30.1	15.0	608	3.69	11.7	0.8	5.5	3.8	28.0	0.20	0.94	0.18
1081183	Soil	380.0	1025	2.00	24.95	8.66	61.9	74	24.6	15.9	796	3.23	9.9	1.1	1.9	1.6	31.0	0.11	0.70	0.19
1081184	Soil	255.0	1405	1.86	27.57	8.45	72.0	81	25.6	13.8	590	3.32	9.1	2.6	2.4	5.7	35.3	0.23	0.67	0.29
1081185	Soil	320.0	1025	2.06	30.97	7.29	77.5	92	28.2	13.9	581	3.05	11.3	2.5	3.1	4.5	36.8	0.26	0.78	0.17
1081186	Soil	355.0	1145	1.88	33.37	10.45	82.1	689	38.9	16.9	653	3.76	106.7	2.8	6.9	3.5	32.6	0.31	1.26	0.26
1081187	Soil	600.0	1400	0.82	27.16	6.63	58.8	60	36.4	12.4	450	3.05	81.2	1.0	5.4	3.8	30.6	0.17	0.65	0.10
1081188	Soil	435.0	1545	1.00	25.10	198.0	150.1	8398	29.0	12.2	534	3.27	75.0	2.6	6.5	7.5	31.3	0.92	3.33	0.13
1081189	Soil	575.0	1375	1.59	38.45	52.82	102.3	3430	35.3	14.1	535	3.58	32.8	6.7	5.8	6.8	30.7	0.36	1.06	0.15
1081190 Agi Dag B	Soil	N.A.	N.A.	2.54	8.92	26.27	16.2	23	11.5	3.4	68	3.22	55.5	0.8	72.7	4.8	31.9	0.01	0.76	1.66
1081191	Soil	435.0	1310	1.57	27.68	30.21	79.4	954	29.6	15.5	660	3.55	17.3	1.8	2.7	5.1	30.2	0.48	0.70	0.18
1081192	Soil	20.00	760.0	1.30	49.26	7.77	105.5	152	37.9	20.3	617	3.36	20.7	1.3	10.2	2.4	42.6	0.27	0.57	0.18
1081193	Soil	230.0	1145	1.86	31.77	10.85	53.9	132	19.7	14.8	502	2.88	27.5	0.8	5.0	1.2	25.8	0.14	0.67	0.24
1081194	Soil	200.0	765.0	1.17	52.14	19.14	58.1	157	30.1	13.8	259	3.22	55.1	1.0	19.7	2.6	36.8	0.11	0.84	0.54
1081195	Soil	10.000	715.0	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1081196	Soil	120.0	575.0	1.12	15.44	5.60	26.4	48	10.6	3.8	73	1.92	5.4	0.4	1.5	0.7	11.4	0.12	0.49	0.11
1081197	Soil	220.0	1105	1.24	30.77	7.31	38.4	89	30.3	11.7	185	2.78	14.5	0.7	1.9	2.7	46.7	0.09	0.48	0.12
1081198	Soil	265.0	685.0	1.86	16.06	7.55	30.9	65	11.9	4.5	102	2.19	7.5	0.4	1.7	1.4	16.6	0.11	0.57	0.14
1081199	Soil	305.0	565.0	1.12	11.33	5.70	25.5	62	9.9	3.8	84	1.65	4.8	0.4	2.1	1.1	17.3	0.08	0.41	0.12
1081200	Soil	295.0	570.0	1.29	31.62	6.75	54.4	143	27.3	15.5	652	2.77	18.6	1.1	3.4	1.1	37.8	0.16	0.53	0.14
1081227	Soil	310.0	640.0	1.33	21.64	7.36	62.1	136	20.6	10.4	259	2.89	11.3	1.9	3.3	2.5	26.1	0.18	0.49	0.14
1081228	Soil	40.00	725.0	2.15	47.15	14.43	69.6	220	35.9	17.4	436	3.18	69.7	3.5	5.1	3.0	36.0	0.25	0.67	0.16
1081229	Soil	230.0	1270	1.83	30.57	12.75	73.5	104	32.9	20.6	553	4.58	28.7	1.2	3.4	4.4	41.2	0.27	0.64	0.35
1081230 Agi Dag B	Soil	N.A.	N.A.	2.83	9.71	25.25	17.7	19	12.1	3.7	75	3.58	60.3	0.9	187.3	4.9	30.3	0.03	0.85	1.86
1081231	Soil	230.0	1510	1.11	36.72	7.91	72.7	132	35.6	15.7	527	3.18	9.2	2.8	5.4	5.5	45.3	0.16	0.37	0.16



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Report Date:

October 12, 2011

Page:

3 of 7

Part 2

CERTIFICATE OF ANALYSIS

WHI11001339.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.01	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
1081176	Soil	0.31	0.051	12.4	33.4	0.73	163.1	0.071	<1	2.04	0.013	0.04	0.2	2.9	0.15	0.03	29	0.2	0.03	5.7
1081177	Soil	0.34	0.043	9.5	33.2	0.76	185.9	0.096	<1	2.25	0.015	0.06	0.1	2.9	0.20	0.02	13	0.1	0.04	6.5
1081178	Soil	0.40	0.060	8.3	31.9	0.60	129.4	0.058	<1	1.88	0.013	0.05	<0.1	2.7	0.10	0.04	24	0.1	0.03	5.6
1081179	Soil	0.41	0.070	16.5	38.9	0.76	172.3	0.074	<1	2.29	0.017	0.05	0.1	4.7	0.13	0.03	28	0.1	0.03	6.2
1081180	Soil	0.44	0.061	5.7	30.0	0.48	108.4	0.038	<1	1.23	0.017	0.04	0.1	1.8	0.07	0.07	23	0.2	0.03	4.9
1081181	Soil	0.33	0.036	7.7	35.6	0.62	99.8	0.057	<1	2.10	0.009	0.03	0.1	2.7	0.10	0.03	28	0.1	<0.02	6.2
1081182	Soil	0.44	0.045	10.4	35.8	0.73	129.5	0.067	2	2.14	0.016	0.05	0.2	3.4	0.13	0.03	40	0.2	0.05	6.6
1081183	Soil	0.57	0.087	12.1	34.5	0.62	193.8	0.045	2	1.57	0.018	0.06	0.3	2.3	0.12	0.06	28	0.2	0.05	6.1
1081184	Soil	0.70	0.085	21.8	34.4	0.74	265.1	0.081	3	1.63	0.029	0.13	0.6	2.9	0.23	0.07	31	0.3	0.03	6.4
1081185	Soil	0.73	0.075	17.1	37.3	0.73	248.9	0.075	3	1.68	0.028	0.09	0.5	3.4	0.22	0.07	23	0.4	0.05	6.0
1081186	Soil	0.52	0.052	14.5	44.7	0.87	172.8	0.076	2	2.41	0.029	0.05	0.1	4.2	0.17	0.04	34	0.3	0.04	6.6
1081187	Soil	0.52	0.059	9.2	34.9	0.76	124.8	0.116	2	2.00	0.023	0.06	0.2	3.6	0.10	<0.02	30	0.2	0.03	5.6
1081188	Soil	0.47	0.043	12.7	35.5	0.79	144.4	0.119	2	2.25	0.022	0.08	0.1	3.9	0.17	0.02	35	0.3	0.03	6.3
1081189	Soil	0.44	0.071	24.1	42.1	0.84	197.0	0.101	2	2.75	0.023	0.07	<0.1	5.4	0.21	0.02	44	0.4	0.02	6.9
1081190 Agi Dagi B	Soil	0.04	0.017	9.3	20.5	0.15	64.6	0.021	1	1.20	0.002	0.07	<0.1	2.0	0.11	0.03	21	2.2	0.38	7.9
1081191	Soil	0.41	0.047	14.2	36.5	0.78	157.5	0.089	2	2.30	0.019	0.06	0.1	3.5	0.16	0.03	24	0.3	0.04	7.2
1081192	Soil	1.24	0.070	13.0	50.5	0.99	110.2	0.091	4	2.71	0.053	0.14	0.2	5.3	0.19	0.06	40	0.6	0.05	9.4
1081193	Soil	0.36	0.056	10.8	32.7	0.43	142.6	0.059	1	1.57	0.022	0.07	0.1	3.0	0.13	0.04	31	0.4	0.04	6.6
1081194	Soil	0.46	0.055	14.8	41.4	0.78	127.1	0.051	1	2.18	0.028	0.14	0.2	3.8	0.25	0.09	35	0.4	0.08	7.5
1081195	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1081196	Soil	0.15	0.020	4.3	20.3	0.13	44.4	0.044	<1	0.68	0.013	0.02	<0.1	1.3	0.07	0.03	31	0.2	0.03	4.5
1081197	Soil	0.59	0.037	11.8	40.5	0.60	140.0	0.068	2	1.97	0.033	0.05	0.1	3.7	0.10	0.03	25	0.2	0.05	6.6
1081198	Soil	0.19	0.016	6.4	23.0	0.25	61.9	0.088	1	0.82	0.015	0.05	<0.1	1.8	0.07	<0.02	23	0.1	0.04	6.2
1081199	Soil	0.23	0.015	5.2	20.2	0.23	54.4	0.062	1	0.73	0.021	0.04	0.1	1.5	0.05	<0.02	26	0.1	0.05	4.7
1081200	Soil	0.95	0.060	11.0	36.2	0.59	130.2	0.052	2	1.83	0.028	0.04	0.1	3.2	0.11	0.05	26	0.3	0.03	6.1
1081227	Soil	0.39	0.026	8.4	29.5	0.48	109.4	0.081	1	1.54	0.027	0.04	0.2	2.7	0.11	0.03	30	0.2	0.03	5.4
1081228	Soil	0.67	0.061	10.1	50.0	0.74	164.4	0.101	1	1.88	0.025	0.09	0.2	4.1	0.17	0.06	28	0.4	0.02	6.7
1081229	Soil	0.54	0.050	11.6	45.4	0.77	135.5	0.155	1	3.23	0.032	0.08	0.1	4.6	0.13	<0.02	35	0.3	0.04	9.1
1081230 Agi Dagi B	Soil	0.05	0.018	9.1	22.9	0.15	68.8	0.020	1	1.23	0.002	0.07	0.1	2.1	0.11	0.02	29	2.6	0.38	8.6
1081231	Soil	0.83	0.079	14.7	45.1	0.93	170.6	0.137	2	2.39	0.037	0.11	1.7	5.2	0.16	0.03	31	0.3	0.04	7.5



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Page: 3 of 7 Part 3

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WHI11001339.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1081176	Soil	<0.1	0.04	0.95	9.3	0.7	<0.05	2.0	5.23	28.4	<0.02	<1	0.3	14.8	<10	<2	13.0
1081177	Soil	<0.1	0.04	1.28	13.7	0.7	<0.05	2.9	4.64	22.6	0.03	<1	0.4	17.7	<10	<2	11.9
1081178	Soil	<0.1	0.02	0.83	8.6	0.7	<0.05	1.7	4.66	18.2	0.02	<1	0.4	11.6	<10	<2	I.S.
1081179	Soil	<0.1	0.04	0.85	10.4	0.9	<0.05	2.1	10.82	28.7	0.03	<1	0.4	15.1	<10	<2	11.8
1081180	Soil	<0.1	<0.02	0.61	7.6	1.2	<0.05	0.8	3.00	11.8	0.03	<1	0.2	8.9	<10	<2	21.7
1081181	Soil	<0.1	0.04	0.96	6.6	0.6	<0.05	2.3	4.49	17.0	0.02	<1	0.5	14.7	<10	<2	16.3
1081182	Soil	<0.1	0.05	1.14	9.9	0.9	<0.05	2.4	5.62	22.5	0.05	1	0.9	16.5	<10	<2	I.S.
1081183	Soil	<0.1	0.04	1.02	14.8	0.8	<0.05	1.6	5.40	23.3	0.04	<1	0.3	13.6	<10	<2	19.4
1081184	Soil	<0.1	0.03	1.90	29.2	1.6	<0.05	2.1	7.61	39.1	0.02	<1	0.3	16.6	<10	<2	19.6
1081185	Soil	<0.1	0.04	1.84	20.8	0.9	<0.05	2.5	7.46	32.6	0.03	<1	0.6	15.4	<10	<2	22.4
1081186	Soil	<0.1	0.03	1.09	12.3	1.8	<0.05	2.5	7.58	34.8	0.03	1	0.7	14.8	<10	<2	14.8
1081187	Soil	<0.1	0.12	1.04	8.7	0.7	<0.05	5.5	5.76	19.6	0.03	<1	0.4	13.0	<10	<2	8.3
1081188	Soil	<0.1	0.08	1.55	13.7	1.0	<0.05	4.3	5.88	27.4	0.03	<1	0.6	15.8	<10	<2	11.1
1081189	Soil	<0.1	0.06	1.24	13.5	1.3	<0.05	4.1	11.41	38.1	0.03	<1	0.9	17.5	<10	<2	12.4
1081190 Agi Dagi B	Soil	<0.1	0.10	0.34	11.2	0.5	<0.05	7.0	2.17	17.3	0.02	<1	0.2	6.6	<10	<2	10.5
1081191	Soil	<0.1	0.08	1.50	14.3	1.0	<0.05	3.2	5.99	27.6	0.03	<1	0.6	14.8	<10	<2	14.3
1081192	Soil	<0.1	0.03	1.84	25.1	0.9	<0.05	1.9	7.95	23.8	0.05	<1	0.7	17.4	<10	<2	27.1
1081193	Soil	<0.1	0.02	1.39	9.6	2.1	<0.05	1.7	5.76	22.0	0.02	<1	0.4	10.9	<10	<2	20.5
1081194	Soil	<0.1	0.03	1.50	16.8	1.2	<0.05	1.3	5.90	28.6	0.02	<1	0.5	14.2	<10	<2	23.3
1081195	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	30.8
1081196	Soil	<0.1	0.04	0.90	2.8	0.9	<0.05	1.7	1.65	7.9	<0.02	<1	<0.1	2.7	<10	<2	20.2
1081197	Soil	<0.1	0.09	1.62	8.6	1.2	<0.05	4.4	5.73	22.7	0.02	<1	0.6	13.1	<10	<2	21.2
1081198	Soil	<0.1	0.07	1.17	5.9	0.8	<0.05	3.4	2.18	12.1	0.02	<1	0.1	5.0	<10	<2	12.2
1081199	Soil	<0.1	0.04	0.88	6.1	0.6	<0.05	2.2	2.05	9.5	<0.02	<1	0.2	4.7	<10	<2	14.0
1081200	Soil	<0.1	0.03	1.18	8.6	0.8	<0.05	2.4	7.00	21.2	0.03	<1	0.4	11.0	<10	<2	25.3
1081227	Soil	<0.1	0.07	1.48	7.2	0.8	<0.05	3.3	4.13	14.8	0.02	<1	0.3	14.4	<10	<2	18.6
1081228	Soil	<0.1	0.07	2.11	15.8	0.6	<0.05	3.3	6.63	18.2	0.03	<1	0.5	13.0	<10	<2	24.7
1081229	Soil	<0.1	0.21	2.14	12.2	1.4	<0.05	7.9	6.58	24.6	0.05	<1	0.7	19.8	<10	<2	15.6
1081230 Agi Dagi B	Soil	<0.1	0.10	0.44	10.8	0.6	<0.05	6.0	2.37	17.3	0.02	<1	0.2	6.6	<10	<2	10.3
1081231	Soil	<0.1	0.07	2.38	18.3	1.1	<0.05	3.6	9.57	27.0	0.03	<1	0.7	15.8	<10	<2	15.7



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Project: 210800
Report Date: October 12, 2011

Page: 4 of 7 Part 1

CERTIFICATE OF ANALYSIS

WHI11001339.1

Method Analyte	Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1081232	Soil	325.0	930.0	1.99	21.60	6.47	36.2	87	14.8	5.9	134	2.22	8.1	0.6	3.0	1.0	18.1	0.11	0.53	0.18
1081233	Soil	295.0	910.0	2.06	55.53	9.23	68.9	183	32.6	17.7	957	2.57	19.8	1.5	5.5	1.4	61.0	0.26	0.45	0.11
1081234	Soil	340.0	905.0	2.52	52.74	10.31	71.3	255	31.0	19.4	719	2.81	16.5	1.4	4.7	1.5	43.7	0.38	0.54	0.15
1081235	Soil	345.0	1125	1.44	27.31	7.35	72.3	93	27.9	15.7	578	2.84	10.6	0.9	2.9	1.3	44.0	0.13	0.45	0.14
1081236	Soil	290.0	705.0	1.12	35.07	7.63	78.1	137	36.9	14.6	448	2.68	6.6	3.4	4.4	2.5	45.4	0.25	0.41	0.13
1081237	Soil	370.0	1010	2.11	23.77	9.65	53.5	174	28.8	13.7	271	4.39	12.2	0.6	1.8	2.7	23.0	0.13	0.76	0.17
1081238	Soil	280.0	710.0	1.96	28.75	7.17	54.9	145	26.9	14.8	509	2.62	7.3	2.0	6.3	1.3	41.2	0.23	0.52	0.14
1081239	Soil	45.00	950.0	1.22	35.38	7.18	70.9	158	33.0	11.3	471	2.44	6.2	2.1	3.5	1.5	60.7	0.30	0.53	0.16
1081240	Soil	350.0	990.0	1.69	23.20	8.06	52.1	54	22.5	9.0	214	3.60	10.1	0.6	2.2	2.2	21.0	0.17	0.77	0.16
1081241	Soil	290.0	2010	1.20	27.58	7.34	93.4	49	50.3	18.5	607	3.44	10.2	0.8	5.3	3.0	38.5	0.17	0.39	0.13
1081242	Soil	200.0	945.0	1.29	28.72	8.69	82.1	213	47.4	20.8	789	3.15	9.5	1.2	290.8	2.5	40.8	0.23	0.42	0.14
1081243	Soil	175.0	1500	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1081244	Soil	195.0	1165	2.30	31.58	13.74	88.3	171	25.4	18.9	1374	3.73	10.3	7.0	10.6	7.3	35.4	0.27	0.66	0.35
1081245	Soil	60.00	1050	1.53	31.43	13.73	63.1	132	27.3	10.3	183	2.39	5.9	5.5	6.2	8.7	30.7	0.28	0.87	0.41
1081246	Soil	560.0	1100	2.26	28.08	9.89	61.9	81	23.6	13.2	442	3.12	11.1	2.8	3.7	5.0	28.9	0.20	0.58	0.23
1081247	Soil	315.0	1500	2.50	46.03	13.09	64.3	101	30.2	13.1	516	3.60	7.8	9.0	6.1	11.5	29.1	0.20	0.58	0.42
1081248	Soil	205.0	835.0	6.59	72.40	9.36	75.3	230	31.6	12.9	387	3.27	14.9	7.0	8.2	5.0	45.6	0.23	0.81	1.14
1081249	Soil	395.0	1350	1.90	32.66	8.02	68.5	72	34.1	14.5	647	3.61	11.4	1.5	4.5	4.2	28.1	0.10	0.63	0.23
1081250 GS-1	Soil	N.A.	N.A.	0.68	22.22	9.69	56.9	32	27.6	12.3	451	2.95	4.7	1.7	0.5	8.9	94.3	0.05	0.22	0.23
1081578	Soil	230.0	2530	0.79	45.66	6.56	70.9	89	38.8	15.0	569	3.17	7.1	0.7	2.6	3.0	39.2	0.16	0.46	0.11
1081579	Soil	188.0	1958	0.88	50.36	7.79	66.8	103	41.0	12.8	467	3.37	10.2	0.7	6.8	2.9	37.3	0.19	0.43	0.24
1081580	Soil	123.0	1396	1.20	37.82	11.16	72.9	72	38.0	13.1	506	3.24	8.3	0.8	3.5	2.8	35.6	0.20	0.43	0.17
1081581	Soil	136.0	1327	0.97	34.97	7.84	71.1	88	38.1	12.6	334	3.15	9.9	1.1	5.7	2.4	33.0	0.16	0.40	0.15
1081582	Soil	202.0	1592	0.88	41.36	7.21	68.3	129	38.3	13.4	353	3.13	10.6	1.4	35.8	2.4	32.4	0.16	0.41	0.14
1081583	Soil	169.0	1712	0.90	34.66	6.66	69.3	129	34.3	12.0	457	3.05	9.7	1.0	4.4	2.5	32.6	0.16	0.39	0.13
1081584	Soil	300.0	1226	0.93	30.74	6.74	64.4	97	34.0	12.5	475	2.93	9.3	0.7	2.8	2.0	36.5	0.17	0.42	0.13
1081585	Soil	225.0	1289	4.00	34.15	9.28	61.7	62	23.8	10.5	230	2.87	6.7	1.9	6.5	4.3	26.2	0.11	0.50	0.36
1081586	Soil	416.0	1292	1.75	22.89	8.23	61.4	81	21.3	9.1	211	2.33	4.3	1.3	2.6	2.4	23.1	0.13	0.53	0.15
1081587	Soil	475.0	1481	3.92	29.05	9.40	57.2	95	27.8	12.1	207	2.89	5.9	7.0	6.4	3.3	27.4	0.10	0.58	0.24
1081588	Soil	431.0	988.0	4.61	26.19	11.22	61.3	84	25.5	9.6	174	2.35	4.8	12.1	3.5	3.0	40.7	0.13	0.62	0.24



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October 12, 2011

Page:

4 of 7

Part 2

CERTIFICATE OF ANALYSIS

WHI11001339.1

	Method	Analyte	Unit	MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30		
					Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
					%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
					0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1081232	Soil																							
1081233	Soil																							
1081234	Soil																							
1081235	Soil																							
1081236	Soil																							
1081237	Soil																							
1081238	Soil																							
1081239	Soil																							
1081240	Soil																							
1081241	Soil																							
1081242	Soil																							
1081243	Soil																							
1081244	Soil																							
1081245	Soil																							
1081246	Soil																							
1081247	Soil																							
1081248	Soil																							
1081249	Soil																							
1081250 GS-1	Soil																							
1081578	Soil																							
1081579	Soil																							
1081580	Soil																							
1081581	Soil																							
1081582	Soil																							
1081583	Soil																							
1081584	Soil																							
1081585	Soil																							
1081586	Soil																							
1081587	Soil																							
1081588	Soil																							



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Page: 4 of 7 Part 3

CERTIFICATE OF ANALYSIS

WHI11001339.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1081232	Soil	<0.1	0.04	1.16	4.6	0.6	<0.05	2.4	2.91	10.9	<0.02	<1	0.1	4.4	<10	<2	21.2
1081233	Soil	<0.1	0.06	1.80	11.9	1.3	<0.05	3.3	8.25	20.7	0.03	<1	0.3	9.4	<10	<2	32.0
1081234	Soil	<0.1	0.06	1.55	12.6	1.2	<0.05	2.9	8.74	21.4	0.03	<1	0.5	10.2	<10	<2	27.1
1081235	Soil	<0.1	0.06	1.54	11.8	0.9	<0.05	3.1	6.02	16.6	0.03	<1	0.4	11.7	<10	<2	21.6
1081236	Soil	<0.1	0.10	1.77	15.4	0.7	<0.05	4.2	9.84	24.4	0.03	<1	0.4	14.6	<10	<2	23.0
1081237	Soil	<0.1	0.11	1.58	8.4	0.9	<0.05	5.2	3.71	15.2	0.03	<1	0.4	18.4	<10	<2	12.7
1081238	Soil	<0.1	0.04	1.23	10.1	0.6	<0.05	2.4	6.46	19.6	0.03	<1	0.3	9.7	<10	<2	27.6
1081239	Soil	<0.1	0.03	1.13	11.8	1.8	<0.05	2.1	9.51	23.8	0.03	2	0.4	10.0	<10	<2	27.3
1081240	Soil	<0.1	0.08	1.54	4.6	1.0	<0.05	4.3	3.00	12.9	0.02	<1	0.3	13.7	<10	<2	12.6
1081241	Soil	<0.1	0.06	1.30	23.5	1.2	<0.05	3.2	6.73	22.1	0.03	<1	0.5	19.4	<10	<2	9.3
1081242	Soil	<0.1	0.06	1.48	17.3	1.9	<0.05	3.6	7.25	24.4	0.04	1	0.3	17.2	<10	<2	15.9
1081243	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	14.9
1081244	Soil	<0.1	0.05	1.90	20.2	1.3	<0.05	2.2	9.94	46.6	0.04	<1	0.5	21.4	<10	<2	22.3
1081245	Soil	<0.1	0.07	1.76	17.3	2.2	<0.05	4.2	11.58	45.9	0.03	1	0.3	18.4	<10	<2	14.7
1081246	Soil	<0.1	0.04	1.05	12.2	0.7	<0.05	2.5	7.35	27.8	0.03	<1	0.4	12.7	<10	<2	10.0
1081247	Soil	<0.1	0.09	1.37	17.8	1.0	<0.05	5.5	10.00	38.5	0.03	<1	0.8	19.7	<10	<2	9.1
1081248	Soil	<0.1	0.06	1.30	13.2	0.9	<0.05	3.9	12.26	31.6	0.03	<1	0.5	14.9	<10	<2	16.5
1081249	Soil	<0.1	0.07	1.06	10.8	0.8	<0.05	4.2	8.00	32.1	0.03	<1	0.7	15.7	<10	<2	11.9
1081250 GS-1	Soil	<0.1	<0.02	0.71	16.2	0.8	<0.05	1.0	8.33	42.4	0.03	<1	0.2	32.4	<10	<2	6.8
1081578	Soil	<0.1	0.11	0.98	13.8	1.0	<0.05	6.1	11.49	26.4	0.02	1	0.6	13.9	<10	<2	8.0
1081579	Soil	<0.1	0.09	1.13	15.7	2.3	<0.05	5.6	15.49	26.0	0.04	<1	0.3	14.3	<10	3	9.7
1081580	Soil	<0.1	0.08	1.07	14.3	3.8	<0.05	4.2	8.84	23.5	0.03	1	0.4	13.5	<10	<2	10.0
1081581	Soil	<0.1	0.06	1.08	13.5	1.7	<0.05	3.6	8.73	23.2	0.03	<1	0.5	16.0	<10	<2	10.3
1081582	Soil	<0.1	0.05	1.10	14.1	1.2	<0.05	3.2	11.54	25.8	0.02	1	0.5	15.8	<10	<2	11.0
1081583	Soil	<0.1	0.08	1.21	14.6	1.1	<0.05	3.6	10.04	22.8	0.02	<1	0.4	14.8	<10	<2	12.1
1081584	Soil	<0.1	0.06	1.32	11.6	1.0	<0.05	3.4	6.68	21.7	<0.02	1	0.3	15.7	<10	<2	14.8
1081585	Soil	<0.1	0.04	1.03	12.6	0.9	<0.05	2.3	8.08	36.0	0.03	<1	0.4	16.4	<10	<2	12.1
1081586	Soil	<0.1	0.03	0.96	11.1	0.7	<0.05	1.8	6.86	25.4	0.02	1	0.4	14.7	<10	<2	12.8
1081587	Soil	<0.1	0.03	0.95	13.3	1.1	<0.05	1.8	7.34	30.2	0.03	2	0.4	15.9	<10	<2	12.2
1081588	Soil	<0.1	0.03	0.99	9.3	1.3	<0.05	1.9	7.32	28.3	0.04	<1	0.5	16.2	<10	<2	13.5



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Project: 210800
Report Date: October 12, 2011

Page: 5 of 7 Part 1

CERTIFICATE OF ANALYSIS

WHI11001339.1

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1081589	Soil	527.0	1226	4.21	27.97	9.70	62.5	67	26.7	11.7	336	3.00	6.9	2.3	8.8	3.6	26.0	0.12	0.51	0.41
1081590 Agi Dagi B	Soil	N.A.	N.A.	2.41	7.17	22.95	16.4	7	9.3	2.8	76	3.59	53.9	0.7	95.7	4.2	28.2	0.02	0.81	1.48
1081591	Soil	195.0	621.0	20.71	23.21	7.52	61.1	85	23.3	11.0	563	2.65	7.1	2.6	2.3	1.1	53.6	0.14	0.51	0.26
1081592	Soil	265.0	2024	9.39	35.81	7.88	62.6	80	28.5	13.0	538	3.29	6.6	6.0	6.3	9.6	36.5	0.16	0.50	0.19
1081593	Soil	220.0	1591	2.64	41.66	8.20	60.1	137	30.9	10.5	335	3.35	7.4	3.7	13.2	8.6	28.8	0.12	0.42	0.16
1081594	Soil	132.0	809.0	3.95	36.04	7.54	67.3	71	25.2	12.8	562	3.04	8.3	4.6	3.5	2.4	34.2	0.20	0.54	0.16
1081595	Soil	195.0	670.0	8.42	37.49	6.78	58.5	95	23.7	10.1	416	2.66	7.4	3.1	6.7	3.6	34.0	0.13	0.47	0.26
1081596	Soil	232.0	667.0	2.92	17.82	6.49	59.4	54	17.5	10.7	513	2.54	6.5	0.6	2.6	0.6	26.5	0.24	0.47	0.14
1081597	Soil	234.0	765.0	17.68	27.04	8.25	59.6	91	23.2	11.4	546	2.78	7.9	6.9	151.9	4.1	33.7	0.17	0.50	0.31
1081598	Soil	283.0	1469	9.82	18.58	9.68	62.4	64	22.6	12.6	628	3.17	9.3	3.2	6.4	6.4	26.7	0.16	0.51	0.20
1081599	Soil	149.0	1229	10.05	17.01	8.75	66.9	58	22.9	12.2	568	3.42	10.6	5.7	12.7	9.8	24.7	0.13	0.52	0.15
1081600	Soil	259.0	1227	4.67	19.04	6.84	63.0	40	23.4	11.1	479	2.81	6.8	3.9	4.3	7.4	35.1	0.16	0.41	0.17
1081601	Soil	182.0	1997	1.52	18.17	8.86	48.7	55	17.5	19.6	2157	2.33	5.2	0.6	5.5	1.5	21.4	0.10	0.30	0.16
1081602	Soil	560.0	1725	1.49	25.04	8.28	55.9	86	29.0	11.1	331	3.30	6.4	0.9	1.5	2.6	22.0	0.06	0.36	0.32
1081603	Soil	400.0	1720	0.96	29.60	9.13	55.2	84	30.8	12.6	452	2.87	5.0	1.2	4.3	3.2	21.4	0.08	0.41	0.21
1081604	Soil	446.0	1254	1.63	33.85	7.82	56.1	71	24.5	12.3	385	3.21	9.2	0.6	3.9	1.8	23.2	0.24	0.55	0.17
1081605	Soil	418.0	1017	2.31	22.87	8.66	56.6	64	18.7	8.8	354	3.40	10.3	0.6	2.2	1.1	20.7	0.16	0.65	0.19
1081606	Soil	340.0	1011	1.78	29.70	7.78	61.0	86	23.6	11.0	440	3.29	9.2	0.7	1.7	1.0	24.8	0.12	0.64	0.18
1081607	Soil	242.0	981.0	1.85	46.49	8.12	60.1	109	26.4	13.9	609	3.49	10.8	0.8	2.1	0.9	24.0	0.16	0.68	0.17
1081608	Soil	484.0	1355	1.25	27.86	8.76	67.5	50	32.2	14.2	474	3.68	9.5	0.8	1.9	2.1	30.0	0.11	0.58	0.16
1082509	Soil	233.0	1126	2.55	24.27	12.07	54.4	87	15.3	6.8	373	2.77	10.1	0.5	2.9	1.3	18.5	0.42	0.82	0.28
1082510 Agi Dagi A	Soil	N.A.	N.A.	69.80	15.05	59.90	16.7	41	8.8	2.2	73	3.37	73.2	0.5	433.6	2.7	9.3	0.04	3.03	16.82
1082511	Soil	346.0	2218	0.64	27.99	13.29	92.9	58	23.7	9.9	419	2.92	14.6	0.8	17.2	2.4	21.4	0.50	0.95	0.53
1082512	Soil	303.0	1846	4.89	56.95	46.87	108.1	441	18.6	14.7	670	2.97	31.9	3.2	22.5	0.6	22.2	0.43	0.76	1.15
1082513	Soil	81.00	1051	1.42	27.16	25.52	94.2	205	19.3	13.9	478	3.02	33.0	0.9	14.7	1.8	22.1	0.59	0.83	0.81
1082514	Soil	298.0	1748	0.76	31.51	58.51	211.9	481	20.4	12.6	627	2.94	51.3	0.9	18.0	3.4	24.0	1.72	1.02	2.56
1082515	Soil	434.0	2780	0.77	29.27	12.99	111.0	253	23.0	9.1	422	2.95	45.3	0.8	14.5	2.7	29.1	0.66	0.84	0.66
1082516	Soil	298.0	1938	0.78	29.35	13.55	116.6	272	23.7	9.7	438	3.03	46.8	0.9	28.2	2.5	31.1	0.68	0.86	0.64
1082517	Soil	131.0	1159	0.60	29.79	8.75	88.5	372	12.3	3.4	94	1.51	19.0	0.8	16.3	0.4	21.7	0.43	0.72	0.57
1082518	Soil	134.0	1955	2.43	28.88	19.51	84.7	156	22.8	8.4	334	3.45	14.6	0.6	3.1	0.7	20.2	0.43	1.18	0.60



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Report Date:

October 12, 2011

Page:

5 of 7

Part 2

CERTIFICATE OF ANALYSIS

WHI11001339.1

Method Analyte Unit MDL		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1081589	Soil	0.37	0.065	15.5	39.4	0.77	169.8	0.074	2	2.17	0.024	0.05	0.5	4.1	0.17	0.03	24	0.3	0.04	6.4	1.72
1081590	Agi Dagi B Soil	0.04	0.017	7.8	19.1	0.13	59.2	0.017	1	1.06	0.005	0.07	0.1	1.8	0.10	0.03	48	2.3	0.38	7.7	0.77
1081591	Soil	0.67	0.068	12.2	32.1	0.71	141.7	0.044	2	1.82	0.029	0.04	0.3	2.6	0.14	0.07	27	0.5	0.03	5.2	1.29
1081592	Soil	0.56	0.070	22.2	41.2	0.77	179.9	0.122	2	2.06	0.034	0.08	2.2	5.6	0.18	<0.02	19	0.2	0.04	5.8	1.70
1081593	Soil	0.45	0.054	21.0	40.5	0.79	161.7	0.100	2	2.28	0.026	0.07	0.6	4.7	0.16	0.02	35	0.3	0.04	6.1	2.25
1081594	Soil	0.48	0.058	17.7	34.2	0.73	126.7	0.062	1	1.84	0.030	0.05	0.7	3.0	0.13	0.05	29	0.2	0.05	5.7	1.83
1081595	Soil	0.64	0.065	16.2	33.3	0.68	119.6	0.074	2	1.56	0.041	0.05	1.0	3.3	0.11	0.05	40	0.3	0.03	4.6	1.79
1081596	Soil	0.44	0.048	7.1	27.7	0.49	118.5	0.045	1	1.26	0.034	0.05	0.3	1.8	0.08	0.05	35	0.3	<0.02	4.8	0.88
1081597	Soil	0.69	0.057	17.8	32.3	0.66	130.2	0.066	1	1.50	0.031	0.06	0.8	3.3	0.12	0.05	37	0.4	0.03	4.8	1.76
1081598	Soil	0.50	0.051	11.8	31.9	0.69	142.6	0.075	1	1.64	0.025	0.06	0.5	3.2	0.13	0.03	30	0.3	0.05	5.2	1.53
1081599	Soil	0.43	0.055	15.8	32.1	0.77	157.1	0.090	1	1.75	0.023	0.08	1.4	3.8	0.17	0.02	25	<0.1	0.03	5.8	1.99
1081600	Soil	0.65	0.062	13.8	32.9	0.69	156.8	0.104	2	1.50	0.034	0.07	0.4	3.5	0.14	0.02	22	0.3	0.02	4.9	1.56
1081601	Soil	0.28	0.041	10.3	28.0	0.47	130.3	0.067	1	1.36	0.021	0.10	0.1	1.9	0.14	0.03	21	0.2	0.02	5.8	1.25
1081602	Soil	0.29	0.043	15.0	44.3	0.86	144.5	0.107	1	2.24	0.016	0.10	0.1	3.3	0.16	0.03	24	0.3	<0.02	8.2	1.83
1081603	Soil	0.29	0.046	17.8	41.9	0.86	130.2	0.102	1	2.33	0.017	0.14	0.1	3.7	0.19	0.04	45	0.3	0.03	7.4	1.81
1081604	Soil	0.27	0.039	9.9	32.1	0.59	100.9	0.071	<1	1.84	0.021	0.09	<0.1	2.1	0.10	0.03	14	0.3	0.03	6.0	1.08
1081605	Soil	0.25	0.032	8.7	31.1	0.56	110.1	0.059	1	1.63	0.015	0.06	0.1	1.9	0.10	0.03	14	0.3	0.05	6.8	1.13
1081606	Soil	0.31	0.053	9.8	32.7	0.63	99.6	0.063	<1	1.60	0.018	0.11	<0.1	1.9	0.14	0.05	17	0.3	0.04	6.6	1.99
1081607	Soil	0.30	0.050	10.0	33.3	0.65	146.0	0.051	1	1.76	0.018	0.06	0.1	2.1	0.11	0.06	30	0.3	0.03	6.2	1.31
1081608	Soil	0.28	0.033	11.6	42.1	0.82	101.9	0.089	1	2.14	0.015	0.11	<0.1	3.2	0.12	0.03	28	0.2	0.03	7.0	3.03
1082509	Soil	0.16	0.023	7.3	23.8	0.29	101.3	0.065	<1	1.17	0.016	0.05	<0.1	1.9	0.10	<0.02	20	0.2	0.06	7.0	1.34
1082510	Agi Dagi A Soil	0.02	0.017	6.3	13.4	0.12	46.0	0.008	<1	0.92	0.003	0.05	0.3	1.3	0.16	<0.02	32	6.8	3.16	3.8	0.75
1082511	Soil	0.32	0.062	11.0	35.6	0.66	122.8	0.088	<1	1.93	0.019	0.05	0.1	3.6	0.07	<0.02	14	0.2	0.10	4.8	1.03
1082512	Soil	0.25	0.087	14.7	33.5	0.47	113.2	0.036	2	2.17	0.018	0.05	0.1	3.4	0.16	0.08	57	0.7	0.50	6.6	3.69
1082513	Soil	0.31	0.070	9.3	35.6	0.65	128.7	0.069	1	2.13	0.017	0.06	<0.1	3.5	0.13	0.02	36	0.5	0.15	6.5	1.80
1082514	Soil	0.35	0.060	11.6	33.8	0.72	392.8	0.069	1	2.16	0.017	0.07	<0.1	4.4	0.12	<0.02	21	0.5	0.30	5.6	4.57
1082515	Soil	0.40	0.080	12.2	37.1	0.67	148.5	0.109	2	1.85	0.015	0.05	<0.1	4.4	0.10	<0.02	17	0.3	0.11	5.2	2.51
1082516	Soil	0.41	0.078	12.4	39.1	0.69	152.4	0.111	2	1.93	0.016	0.06	0.1	4.5	0.10	<0.02	23	0.4	0.20	5.5	2.60
1082517	Soil	0.21	0.063	5.4	18.5	0.25	128.8	0.044	2	1.72	0.023	0.05	<0.1	1.9	0.10	0.07	50	0.3	0.08	5.3	4.32
1082518	Soil	0.19	0.047	7.8	35.0	0.46	88.0	0.065	1	1.67	0.008	0.04	<0.1	2.1	0.10	0.04	21	0.2	0.15	8.8	1.57



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Report Date: October 12, 2011

Page: 5 of 7 Part 3

CERTIFICATE OF ANALYSIS

WHI11001339.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1081589	Soil	<0.1	0.03	0.92	8.7	0.8	<0.05	2.3	8.17	31.9	0.03	1	0.5	13.0	<10	<2	12.0
1081590 Agi Dagi B	Soil	<0.1	0.13	0.41	9.0	0.4	<0.05	6.8	2.38	15.7	0.02	<1	0.2	5.9	<10	<2	10.7
1081591	Soil	<0.1	0.03	0.85	7.1	0.8	<0.05	1.5	6.84	23.2	0.02	1	0.3	10.9	<10	<2	21.4
1081592	Soil	<0.1	0.09	0.67	12.9	1.1	<0.05	4.9	11.91	42.0	0.03	<1	0.4	14.5	<10	<2	6.8
1081593	Soil	<0.1	0.08	1.09	14.2	0.8	<0.05	3.6	8.89	32.8	0.03	<1	0.4	16.6	<10	<2	9.6
1081594	Soil	<0.1	0.03	0.97	9.5	0.7	<0.05	1.5	7.88	28.4	0.02	2	0.4	12.9	<10	<2	16.8
1081595	Soil	<0.1	0.05	1.09	8.3	0.6	<0.05	2.7	7.63	25.2	<0.02	<1	0.3	11.8	<10	<2	17.2
1081596	Soil	<0.1	0.03	0.76	9.0	1.1	<0.05	1.3	3.67	14.4	<0.02	<1	0.3	9.6	<10	<2	19.2
1081597	Soil	<0.1	0.06	1.14	11.0	0.6	<0.05	2.8	9.30	28.6	0.02	<1	0.4	11.8	<10	<2	17.2
1081598	Soil	<0.1	0.06	1.13	12.1	0.7	<0.05	2.3	5.40	23.3	0.02	<1	0.3	14.5	<10	<2	13.6
1081599	Soil	<0.1	0.05	1.22	15.4	1.1	<0.05	2.3	6.36	29.9	0.03	<1	0.5	18.4	<10	<2	10.3
1081600	Soil	<0.1	0.07	1.10	12.2	0.5	<0.05	3.1	7.03	26.2	0.02	<1	0.2	13.9	<10	<2	9.1
1081601	Soil	<0.1	0.02	1.09	18.1	1.1	<0.05	1.6	4.24	21.4	0.02	<1	0.3	10.8	<10	<2	13.8
1081602	Soil	<0.1	0.04	2.16	15.4	0.8	<0.05	1.8	5.43	29.2	0.03	<1	0.5	19.2	<10	<2	12.6
1081603	Soil	<0.1	0.04	1.81	21.0	0.8	<0.05	2.3	7.00	29.7	0.02	<1	0.4	21.9	<10	<2	12.7
1081604	Soil	<0.1	0.03	1.43	13.0	0.7	<0.05	2.1	3.56	21.8	0.02	<1	0.4	15.4	<10	<2	13.4
1081605	Soil	<0.1	0.04	1.18	13.1	0.6	<0.05	1.5	3.08	17.9	0.03	<1	0.4	13.5	<10	<2	14.6
1081606	Soil	<0.1	0.02	1.55	19.9	0.8	<0.05	1.4	3.48	20.3	0.02	<1	0.4	14.1	<10	<2	17.0
1081607	Soil	<0.1	0.03	1.12	10.2	0.6	<0.05	1.2	4.24	22.0	0.03	<1	0.5	14.2	<10	<2	17.6
1081608	Soil	<0.1	0.04	1.25	13.7	0.7	<0.05	1.6	4.39	29.5	0.03	<1	0.5	19.4	<10	<2	11.1
1082509	Soil	<0.1	0.04	1.07	8.5	0.8	<0.05	2.1	2.40	14.5	0.03	<1	0.2	8.3	<10	<2	12.0
1082510 Agi Dagi A	Soil	<0.1	<0.02	0.34	8.0	2.4	<0.05	0.7	1.26	13.2	0.06	<1	0.3	5.2	<10	4	10.6
1082511	Soil	<0.1	0.08	0.62	5.4	0.4	<0.05	4.0	7.23	22.8	<0.02	<1	0.4	10.3	<10	<2	6.4
1082512	Soil	<0.1	0.03	0.69	7.6	0.8	<0.05	1.2	9.50	30.3	0.04	1	0.4	9.8	<10	<2	21.4
1082513	Soil	<0.1	0.03	0.85	7.0	0.5	<0.05	1.9	5.16	19.5	0.03	1	0.3	11.6	<10	<2	12.9
1082514	Soil	<0.1	0.05	0.40	7.1	1.0	<0.05	2.9	6.68	29.5	0.04	<1	0.4	16.0	<10	<2	7.0
1082515	Soil	<0.1	0.05	0.61	7.2	0.6	<0.05	3.2	8.65	25.9	0.04	<1	0.3	14.0	<10	<2	5.8
1082516	Soil	<0.1	0.06	0.64	7.3	0.6	<0.05	3.1	8.87	26.1	0.03	<1	0.5	14.8	<10	<2	6.1
1082517	Soil	<0.1	0.05	0.67	7.4	0.6	<0.05	1.9	3.80	10.4	0.02	2	0.3	7.1	<10	<2	19.8
1082518	Soil	<0.1	<0.02	1.21	7.0	1.2	<0.05	1.2	3.22	16.5	0.02	<1	0.3	13.7	<10	<2	16.9



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Project: 210800
Report Date: October 12, 2011

Page: 6 of 7 Part 1

CERTIFICATE OF ANALYSIS

WHI11001339.1

	Method Analyte	Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
			-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb
			g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm
			0	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
1082519	Soil		163.0	1852	1.04	36.75	74.06	278.7	279	27.5	9.7	822	2.62	16.8	0.8	12.3	4.0	42.8	3.00	2.54
1082520	Soil		292.0	2089	0.78	34.39	12.01	68.1	102	22.8	9.6	385	2.75	13.0	1.2	8.6	2.7	40.4	0.30	0.96
1082521	Soil		339.0	1612	0.65	36.31	16.76	79.7	186	26.7	14.9	492	3.20	15.1	1.2	8.9	3.4	40.6	0.58	1.09
1082522	Soil		313.0	1704	0.63	34.71	12.26	68.8	93	22.6	10.9	363	3.00	12.5	1.1	6.4	3.1	38.3	0.33	1.13
1082523	Soil		192.0	1537	1.17	28.05	8.11	58.5	54	23.9	10.4	363	3.00	9.5	0.5	2.9	1.0	25.3	0.25	0.62
1082551	Soil		208.0	1811	4.76	26.27	7.85	65.5	80	26.0	14.6	602	3.19	7.9	6.3	7.6	5.5	33.0	0.23	0.63
1082552	Soil		142.0	822.0	4.57	19.03	8.21	67.5	114	23.2	12.0	495	3.03	8.2	23.0	46.8	3.9	63.7	0.20	1.01
1082553	Soil		172.0	916.0	2.32	25.32	8.86	69.3	79	26.6	13.8	620	3.41	10.1	7.3	2.5	4.0	32.7	0.11	2.15
1082554	Soil		229.0	831.0	3.11	23.39	8.54	65.1	121	24.4	12.1	560	3.01	11.2	5.2	3.7	3.0	46.5	0.15	4.95
1082555	Soil		94.00	742.0	2.79	24.43	9.00	75.0	144	25.9	13.4	611	3.30	12.0	4.8	2.5	2.6	42.8	0.16	1.67
1082556	Soil		60.00	740.0	2.41	23.67	7.30	59.2	99	23.4	13.3	653	2.92	10.6	3.0	3.2	2.5	47.3	0.14	1.62
1082557	Soil		50.00	1313	1.88	18.43	8.20	66.0	62	21.3	12.5	555	3.05	11.0	3.4	2.8	3.7	39.0	0.17	1.92
1082558	Soil		64.00	1023	2.59	21.76	8.60	61.6	98	22.2	13.1	593	3.23	12.3	5.6	1.9	3.2	41.3	0.16	1.39
1082559	Soil		30.00	1013	6.45	20.96	12.01	73.7	99	22.1	10.5	451	2.77	7.1	30.1	5.2	3.0	72.2	0.35	0.50
1082560	Soil		491.0	1231	6.42	22.53	10.08	69.0	94	23.1	11.3	501	2.95	9.2	18.0	1.9	2.6	57.3	0.17	0.57
1082561	Soil		214.0	918.0	6.61	26.00	11.52	66.1	168	26.7	13.7	600	3.16	9.2	7.8	1.9	1.6	48.4	0.16	0.53
1082562	Soil		179.0	881.0	6.18	23.45	10.51	65.0	132	25.3	12.9	559	3.10	7.9	6.0	4.0	1.6	46.3	0.21	0.51
1082563	Soil		111.0	1186	2.56	21.37	13.36	68.7	114	23.0	12.4	522	3.23	8.0	3.6	2.1	3.5	28.0	0.33	0.52
1082564	Soil		164.0	930.0	3.11	23.80	8.66	68.0	73	26.9	13.7	539	3.27	7.8	23.1	0.5	2.2	51.8	0.09	0.50
1082565	Soil		51.00	1092	2.20	27.77	9.64	65.2	111	24.5	11.2	439	3.19	8.5	4.5	6.0	2.1	35.2	0.15	0.54
1082566	Soil		128.0	855.0	2.78	24.24	8.19	65.2	113	24.6	13.1	624	3.08	8.3	13.5	2.7	2.4	55.1	0.16	0.49
1082567	Soil		120.0	1307	1.90	24.87	7.65	57.0	75	27.8	11.8	441	2.84	6.8	11.4	2.0	3.5	49.3	0.14	0.47
1082568	Soil		127.0	1256	2.76	28.69	7.48	69.0	113	26.2	12.8	494	2.99	8.6	22.0	4.5	1.9	65.8	0.24	0.55
1082569	Soil		389.0	985.0	4.11	28.34	7.90	63.0	146	26.3	13.1	537	3.20	9.8	6.1	1.1	1.9	38.9	0.14	0.49
1082570 Agi Dagi A	Soil		N.A.	N.A.	70.28	17.22	63.82	19.7	59	9.7	2.7	90	3.44	82.7	0.5	500.7	2.8	11.1	0.05	3.70
1082571	Soil		161.0	874.0	2.00	30.41	7.47	63.4	139	31.1	13.4	521	3.13	14.0	2.5	1.8	2.0	39.7	0.16	0.60
1082572	Soil		80.00	793.0	1.81	29.13	7.41	61.2	164	37.8	13.4	535	3.00	21.6	3.4	4.5	1.9	40.0	0.13	0.65
1082573	Soil		182.0	874.0	1.92	28.15	8.31	69.2	118	30.1	14.9	636	3.46	21.1	2.8	2.9	2.6	39.0	0.14	0.59
1082574	Soil		92.00	826.0	1.98	25.38	7.39	60.6	88	25.1	11.9	464	3.02	10.9	2.6	2.9	2.6	35.7	0.09	0.55
1082575	Soil		568.0	845.0	2.64	28.42	8.11	72.3	146	26.4	13.2	547	3.01	15.1	1.5	2.2	1.7	46.2	0.20	0.68



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Page: 6 of 7 Part 2

CERTIFICATE OF ANALYSIS

WHI11001339.1

	Method	Analyte	Unit	MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30			
					Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
					%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
					0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1082519	Soil				0.62	0.084	15.4	49.8	0.72	151.5	0.056	<1	1.96	0.022	0.08	<0.1	7.1	0.10	<0.02	12	0.1	0.21	5.5	4.86
1082520	Soil				0.59	0.092	12.2	40.3	0.63	120.0	0.118	2	1.70	0.034	0.06	0.1	5.3	0.08	<0.02	24	<0.1	0.09	5.0	2.52
1082521	Soil				0.58	0.090	13.6	45.3	0.68	172.3	0.121	2	1.93	0.031	0.07	0.2	6.6	0.09	<0.02	43	0.2	0.09	5.6	1.73
1082522	Soil				0.56	0.086	13.6	44.2	0.65	143.9	0.122	2	1.80	0.028	0.06	0.2	5.7	0.08	<0.02	32	0.2	0.06	5.2	1.48
1082523	Soil				0.29	0.049	7.9	33.7	0.62	95.5	0.091	2	2.01	0.015	0.06	0.1	2.8	0.08	0.05	29	0.3	0.03	6.3	1.06
1082551	Soil				0.45	0.066	18.2	35.9	0.70	163.1	0.104	1	1.98	0.016	0.05	1.6	3.8	0.14	0.03	14	0.2	0.03	5.7	1.48
1082552	Soil				0.78	0.059	26.8	32.1	0.68	151.4	0.088	3	1.88	0.025	0.07	0.4	3.9	0.14	0.06	40	0.3	0.02	5.7	2.05
1082553	Soil				0.49	0.070	25.0	37.4	0.68	178.3	0.085	2	2.19	0.022	0.06	0.2	4.3	0.16	0.05	46	0.2	<0.02	6.5	1.98
1082554	Soil				0.70	0.072	18.8	34.6	0.62	180.7	0.079	2	1.86	0.026	0.07	0.3	3.7	0.14	0.06	37	0.1	0.02	5.7	2.00
1082555	Soil				0.75	0.086	18.8	35.2	0.67	180.4	0.059	2	2.07	0.025	0.06	0.3	3.9	0.14	0.06	35	0.3	0.03	6.2	2.83
1082556	Soil				0.81	0.074	16.8	31.8	0.62	169.3	0.081	3	1.71	0.031	0.06	0.3	3.4	0.14	0.06	34	0.4	0.03	5.7	2.10
1082557	Soil				0.65	0.067	15.3	32.3	0.64	154.5	0.076	2	1.83	0.022	0.07	0.2	3.7	0.13	0.05	29	<0.1	0.03	5.8	2.16
1082558	Soil				0.65	0.078	22.5	32.8	0.62	162.8	0.080	2	1.85	0.024	0.06	0.3	3.6	0.16	0.06	21	0.3	<0.02	6.0	2.64
1082559	Soil				0.83	0.057	19.8	32.9	0.62	135.6	0.079	2	1.76	0.027	0.06	0.4	3.7	0.11	0.06	34	0.5	0.03	5.1	1.94
1082560	Soil				0.72	0.062	20.7	32.8	0.63	160.3	0.058	1	1.83	0.021	0.05	0.3	3.4	0.11	0.06	28	0.3	0.03	5.5	2.13
1082561	Soil				0.67	0.075	18.9	36.5	0.67	154.6	0.057	1	1.98	0.022	0.05	0.3	3.6	0.11	0.07	30	0.3	0.04	5.9	1.59
1082562	Soil				0.66	0.064	15.3	34.3	0.66	134.6	0.063	2	1.84	0.024	0.05	0.3	3.3	0.10	0.06	30	0.3	0.03	5.7	1.58
1082563	Soil				0.44	0.051	17.6	34.4	0.65	141.5	0.074	1	1.88	0.021	0.05	0.4	3.7	0.10	0.04	23	0.2	0.03	5.8	1.72
1082564	Soil				0.68	0.071	30.7	35.7	0.67	146.9	0.071	2	2.06	0.024	0.05	0.4	3.6	0.12	0.06	18	0.3	0.04	6.2	4.10
1082565	Soil				0.48	0.071	22.3	35.1	0.62	176.8	0.083	<1	1.91	0.022	0.05	0.4	3.4	0.12	0.05	28	0.3	<0.02	6.0	1.66
1082566	Soil				0.82	0.067	24.2	37.1	0.66	176.1	0.062	2	1.91	0.026	0.05	0.2	3.5	0.15	0.07	43	0.2	0.03	5.7	2.51
1082567	Soil				0.76	0.063	24.1	38.5	0.64	202.6	0.070	2	1.82	0.022	0.06	0.5	3.8	0.15	0.05	45	0.2	0.03	5.0	4.10
1082568	Soil				0.88	0.059	17.9	34.1	0.66	163.7	0.072	2	1.80	0.029	0.06	0.2	3.6	0.09	0.06	29	0.5	<0.02	5.2	4.50
1082569	Soil				0.56	0.065	21.3	37.6	0.66	169.3	0.063	1	2.02	0.022	0.05	0.1	3.6	0.09	0.06	44	0.2	0.05	6.1	2.22
1082570 Agi Dagi A	Soil				0.03	0.022	6.9	15.5	0.12	52.7	0.010	<1	0.92	0.001	0.05	0.3	1.5	0.20	<0.02	38	7.4	3.28	4.1	0.82
1082571	Soil				0.61	0.071	15.8	40.8	0.67	177.3	0.079	2	2.09	0.022	0.06	0.2	3.7	0.11	0.06	36	0.4	<0.02	6.0	1.57
1082572	Soil				0.61	0.067	23.1	53.4	0.68	216.3	0.076	1	1.98	0.022	0.05	0.2	3.5	0.13	0.06	42	0.3	0.04	6.4	1.92
1082573	Soil				0.65	0.075	18.5	38.8	0.69	193.3	0.074	1	2.22	0.023	0.06	0.2	4.1	0.13	0.06	24	0.2	0.05	6.8	3.01
1082574	Soil				0.59	0.064	18.2	33.4	0.60	152.2	0.073	2	1.91	0.026	0.05	0.1	3.9	0.13	0.05	60	0.3	0.03	5.8	2.44
1082575	Soil				0.86	0.075	17.6	34.9	0.60	167.0	0.055	1	1.86	0.023	0.06	0.1	3.4	0.13	0.07	33	0.2	0.05	5.8	3.13



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Report Date: October 12, 2011

Page: 6 of 7 Part 3

CERTIFICATE OF ANALYSIS

WHI11001339.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1082519	Soil	<0.1	0.12	0.18	7.4	5.0	<0.05	5.7	14.60	32.1	0.05	<1	0.4	12.7	<10	<2	7.6
1082520	Soil	<0.1	0.11	0.37	6.3	0.6	<0.05	6.6	10.37	24.7	0.03	3	0.4	10.7	<10	<2	6.1
1082521	Soil	<0.1	0.24	0.38	7.4	0.7	<0.05	10.3	11.89	29.3	0.03	<1	0.5	12.5	<10	<2	6.4
1082522	Soil	<0.1	0.20	0.45	7.1	0.5	<0.05	10.1	10.76	29.1	0.04	<1	0.3	11.4	<10	<2	6.3
1082523	Soil	<0.1	0.05	1.27	8.0	0.5	<0.05	2.3	3.96	17.0	0.03	1	0.4	14.4	<10	<2	18.1
1082551	Soil	<0.1	0.03	1.07	11.7	0.7	<0.05	2.0	8.25	36.2	0.03	<1	0.5	17.4	<10	<2	10.4
1082552	Soil	<0.1	0.05	1.56	17.7	1.1	<0.05	2.5	11.11	29.4	0.02	<1	0.4	29.4	<10	<2	19.8
1082553	Soil	<0.1	0.04	1.35	13.0	1.5	<0.05	2.0	9.85	39.1	0.03	<1	0.5	18.2	<10	<2	17.7
1082554	Soil	<0.1	0.04	1.33	14.3	0.8	<0.05	2.0	8.70	30.5	0.02	<1	0.5	15.0	<10	<2	20.1
1082555	Soil	0.1	0.04	1.09	14.6	0.9	<0.05	1.8	9.13	30.9	0.02	<1	0.5	17.0	<10	<2	22.1
1082556	Soil	<0.1	0.03	1.13	13.8	0.6	<0.05	1.8	7.91	29.0	0.03	<1	0.3	13.2	<10	4	22.3
1082557	Soil	<0.1	0.04	1.34	15.7	1.2	<0.05	2.0	6.33	26.3	<0.02	<1	0.4	15.6	<10	<2	18.5
1082558	Soil	<0.1	0.04	1.10	16.1	1.3	<0.05	1.4	10.10	32.7	<0.02	<1	0.5	16.8	<10	<2	20.0
1082559	Soil	<0.1	0.05	1.23	19.1	0.8	<0.05	2.6	10.86	28.7	0.02	<1	0.5	19.9	<10	<2	17.6
1082560	Soil	<0.1	0.03	1.17	13.6	0.6	<0.05	2.3	12.31	32.2	0.02	<1	0.3	16.0	<10	<2	18.1
1082561	Soil	<0.1	0.03	0.97	10.8	0.5	<0.05	1.9	10.99	27.9	0.03	<1	0.5	14.0	<10	<2	21.8
1082562	Soil	<0.1	0.04	0.98	10.8	0.6	<0.05	1.9	8.76	23.8	0.03	<1	0.6	12.7	<10	<2	19.5
1082563	Soil	<0.1	0.04	0.92	8.2	0.6	<0.05	1.9	7.80	28.9	0.03	<1	0.5	12.9	<10	<2	14.3
1082564	Soil	<0.1	0.04	0.93	10.7	0.4	<0.05	1.5	17.74	36.6	0.04	<1	0.7	18.4	<10	<2	20.0
1082565	Soil	<0.1	0.03	1.05	10.5	0.8	<0.05	1.6	9.09	31.1	0.03	2	0.3	14.2	<10	<2	19.0
1082566	Soil	<0.1	0.04	1.22	13.9	0.6	<0.05	2.2	12.59	29.1	0.03	<1	0.5	17.9	<10	<2	21.8
1082567	Soil	<0.1	0.04	1.36	11.5	1.0	<0.05	2.6	13.02	32.2	0.02	2	0.5	17.0	<10	<2	19.7
1082568	Soil	<0.1	0.05	0.95	13.6	0.6	<0.05	2.2	11.91	26.0	<0.02	2	0.3	21.1	<10	<2	16.5
1082569	Soil	<0.1	0.05	1.10	11.8	0.5	<0.05	1.8	10.11	29.9	0.03	<1	0.3	15.6	<10	<2	19.9
1082570 Agi Dagi A	Soil	<0.1	<0.02	0.38	8.2	2.9	<0.05	0.7	1.34	14.5	0.07	5	0.4	5.5	<10	6	10.7
1082571	Soil	<0.1	0.04	1.17	11.2	0.4	<0.05	2.3	7.58	27.3	0.03	<1	0.4	14.0	<10	2	19.8
1082572	Soil	<0.1	0.04	1.25	11.8	0.6	<0.05	2.1	10.57	34.9	0.03	<1	0.4	15.2	<10	<2	22.6
1082573	Soil	<0.1	0.02	1.30	12.9	0.6	<0.05	2.0	8.78	31.3	0.02	<1	0.5	17.2	<10	<2	20.0
1082574	Soil	<0.1	0.04	1.16	9.5	0.6	<0.05	2.3	9.27	28.1	0.03	<1	0.6	14.6	<10	<2	17.8
1082575	Soil	<0.1	0.03	1.23	13.9	0.5	<0.05	2.1	10.04	28.7	0.03	<1	0.6	13.7	<10	<2	26.5



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Project: 210800
Report Date: October 12, 2011

Page: 7 of 7 Part 1

CERTIFICATE OF ANALYSIS

WHI11001339.1

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1082576	Soil	54.00	1237	4.18	23.03	10.07	61.8	137	25.7	12.3	507	3.26	16.9	5.4	3.2	4.3	32.7	0.06	0.72	0.18
1082577	Soil	119.0	862.0	1.55	38.70	8.03	69.7	168	39.1	13.1	356	3.05	60.7	1.0	4.9	1.2	37.9	0.12	1.04	0.14
1082578	Soil	79.00	929.0	2.04	33.30	7.99	63.2	103	41.4	14.8	587	3.25	33.4	2.5	5.8	1.6	42.5	0.14	0.99	0.18
1082579	Soil	64.00	917.0	1.38	43.98	8.92	68.8	135	51.4	17.1	634	3.42	30.6	0.9	4.3	1.3	35.0	0.17	0.98	0.17
1082580	Soil	253.0	786.0	2.19	29.52	9.51	72.9	148	28.9	14.6	624	3.49	15.0	1.3	5.0	1.2	41.6	0.15	0.82	0.23
1082581	Soil	292.0	880.0	3.16	55.62	9.13	58.1	55	21.7	9.4	361	3.14	10.7	0.7	3.8	1.1	22.9	0.09	1.09	0.21
1082582	Soil	206.0	872.0	2.52	37.59	9.20	47.0	86	17.0	8.7	379	2.86	10.6	0.8	2.4	0.6	32.3	0.07	0.88	0.19
1082583	Soil	443.0	1521	0.87	62.21	4.39	45.3	63	68.9	19.4	291	3.55	4.3	0.4	3.5	2.1	23.2	0.07	0.35	0.25
1082584	Soil	146.0	751.0	2.11	35.67	7.86	58.2	64	19.9	11.5	511	2.95	8.9	0.8	2.1	0.6	29.7	0.15	0.86	0.17
1082585	Soil	275.0	1983	1.19	89.58	8.60	66.6	134	60.7	17.3	709	4.17	7.1	1.2	20.2	3.7	27.9	0.07	0.50	1.66
1082586	Soil	385.0	1052	2.70	26.73	9.11	77.1	42	24.6	11.9	443	3.60	11.9	0.7	4.2	1.4	24.9	0.21	1.07	0.21
1082587	Soil	228.0	880.0	3.30	35.02	10.28	80.6	63	27.3	11.0	472	3.60	13.9	0.9	4.2	0.7	28.5	0.18	1.37	0.23
1082588	Soil	376.0	1358	1.16	29.61	7.47	70.6	74	37.8	15.5	354	3.33	8.6	0.7	7.8	2.9	29.4	0.08	0.52	0.17
1082589	Soil	338.0	2104	1.07	59.73	7.66	81.2	98	50.9	19.5	398	4.23	5.0	1.0	6.4	4.5	25.8	0.20	0.40	0.21
1082590 Agi Dagi B	Soil	N.A.	N.A.	2.74	8.47	27.41	17.9	21	10.8	3.3	89	3.74	65.0	0.8	102.5	4.9	33.8	0.03	1.06	1.85
1082591	Soil	251.0	1064	2.12	32.96	20.10	83.5	103	33.3	13.3	443	3.47	11.5	0.8	2.6	1.5	28.3	0.23	0.85	0.24
1082592	Soil	154.0	871.0	1.87	38.23	9.38	58.2	177	30.0	16.3	607	2.87	9.9	1.2	3.0	1.2	35.1	0.18	0.66	0.18
1082593	Soil	517.0	1859	1.64	73.52	8.51	84.5	386	85.5	18.4	217	3.87	7.3	1.8	6.4	3.8	24.9	0.44	0.53	0.20
1082594	Soil	413.0	1921	1.52	42.01	9.25	91.9	233	51.6	15.8	271	3.03	6.6	1.6	2.9	4.6	24.2	0.28	0.51	0.21
1082595	Soil	248.0	1420	8.15	47.41	10.87	599.6	799	95.7	22.3	1421	4.35	20.1	2.0	9.5	4.6	28.9	2.51	0.62	1.37
1082596	Soil	92.00	630.0	5.68	38.36	7.36	52.8	407	16.8	8.0	363	2.33	11.1	2.3	4.1	0.6	24.8	0.87	0.55	0.18
1082597	Soil	516.0	1645	3.38	28.59	9.72	168.2	298	45.5	11.7	265	3.50	8.1	1.0	3.6	4.9	29.9	0.67	0.35	0.29
1082598	Soil	189.0	1612	1.96	23.76	10.45	67.1	80	25.6	11.8	457	3.40	11.1	0.8	4.2	2.2	25.2	0.16	0.59	0.19
1082599	Soil	349.0	1323	1.96	27.74	10.14	57.4	84	23.2	12.0	512	3.20	8.7	0.8	3.1	1.5	24.3	0.08	0.58	0.19
1082600	Soil	371.0	1345	1.20	24.65	5.56	43.1	60	15.1	6.5	220	2.12	6.3	0.6	3.6	1.2	20.1	0.07	0.40	0.12



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Report Date: October 12, 2011

Page: 7 of 7 Part 2

CERTIFICATE OF ANALYSIS

WHI11001339.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1082576	Soil	0.52	0.066	22.4	36.7	0.66	150.9	0.054	<1	2.03	0.017	0.08	0.3	4.1	0.18	0.05	33	0.3	0.05	6.4	5.11
1082577	Soil	0.68	0.066	12.0	45.7	0.73	202.2	0.079	2	2.24	0.030	0.07	0.1	3.9	0.13	0.06	29	0.3	0.03	6.5	2.65
1082578	Soil	0.71	0.065	13.9	56.7	0.77	169.8	0.069	3	2.17	0.029	0.06	0.1	4.3	0.13	0.06	42	0.3	<0.02	6.5	5.10
1082579	Soil	0.69	0.072	11.6	54.0	0.81	180.7	0.056	2	2.37	0.029	0.05	0.1	3.8	0.13	0.06	31	0.1	0.04	6.8	3.66
1082580	Soil	0.69	0.085	14.5	39.6	0.70	164.7	0.051	2	2.13	0.026	0.06	0.2	3.6	0.15	0.07	37	0.2	0.06	6.9	2.99
1082581	Soil	0.23	0.049	8.8	29.3	0.42	102.4	0.067	2	1.16	0.014	0.05	0.1	2.1	0.13	0.04	41	0.3	0.04	6.8	1.13
1082582	Soil	0.34	0.101	9.1	35.1	0.49	128.8	0.046	1	1.36	0.014	0.06	0.2	1.8	0.12	0.09	58	0.2	0.06	6.0	1.04
1082583	Soil	0.32	0.054	14.9	193.3	1.51	98.0	0.140	1	1.91	0.012	0.10	0.1	2.0	0.22	0.08	14	0.4	0.08	6.1	2.47
1082584	Soil	0.35	0.068	8.2	29.6	0.44	94.9	0.053	1	1.21	0.018	0.05	0.2	1.8	0.11	0.08	31	0.1	0.03	5.3	1.00
1082585	Soil	0.39	0.078	21.2	73.2	0.99	191.9	0.123	2	2.38	0.023	0.11	0.2	6.1	0.17	0.03	41	0.4	0.19	6.9	2.49
1082586	Soil	0.27	0.047	9.3	35.1	0.59	93.6	0.071	<1	1.49	0.018	0.06	0.1	2.5	0.11	0.04	35	0.6	0.06	7.2	1.22
1082587	Soil	0.33	0.083	8.9	38.2	0.57	102.5	0.044	3	1.45	0.013	0.05	0.1	2.3	0.10	0.07	27	1.0	0.05	7.3	1.05
1082588	Soil	0.44	0.058	11.4	59.3	0.95	101.3	0.105	3	2.04	0.017	0.10	0.1	3.9	0.12	0.04	24	0.7	0.06	7.4	1.53
1082589	Soil	0.40	0.042	13.8	88.9	1.28	155.3	0.169	<1	2.68	0.023	0.18	0.1	6.2	0.17	0.02	24	0.9	0.05	9.5	1.94
1082590 Agi Dagi B	Soil	0.04	0.021	9.5	21.4	0.13	73.9	0.021	3	1.09	0.004	0.06	0.2	2.1	0.10	0.03	37	2.5	0.47	8.6	0.89
1082591	Soil	0.38	0.067	13.7	49.0	0.66	109.4	0.062	1	1.62	0.017	0.08	0.1	2.7	0.09	0.07	36	0.9	0.08	7.0	1.73
1082592	Soil	0.63	0.095	15.2	46.1	0.65	111.2	0.064	2	1.61	0.024	0.07	0.1	3.0	0.09	0.10	64	1.3	0.05	6.4	1.67
1082593	Soil	0.47	0.118	25.9	91.2	1.06	366.2	0.121	4	2.49	0.023	0.06	0.2	7.0	0.14	0.04	59	1.9	0.05	8.0	1.79
1082594	Soil	0.40	0.097	24.9	65.5	0.94	199.1	0.092	3	2.37	0.021	0.06	0.1	4.8	0.11	0.04	50	1.3	0.04	7.7	1.44
1082595	Soil	0.35	0.082	14.5	63.4	0.86	180.8	0.078	4	2.24	0.016	0.09	0.2	4.0	0.24	0.05	375	2.3	0.43	7.9	2.39
1082596	Soil	0.32	0.147	9.2	23.6	0.28	105.8	0.031	<1	0.94	0.025	0.03	0.1	1.9	0.07	0.14	99	2.9	0.13	3.8	0.48
1082597	Soil	0.41	0.071	15.9	47.0	0.90	195.0	0.113	5	2.43	0.018	0.12	0.1	3.7	0.17	0.03	98	1.6	0.09	7.4	1.85
1082598	Soil	0.32	0.051	11.3	37.3	0.66	110.9	0.084	2	1.73	0.019	0.13	0.1	2.7	0.11	0.03	9	0.8	0.07	7.1	1.44
1082599	Soil	0.26	0.057	12.1	36.4	0.64	122.2	0.070	<1	1.69	0.019	0.08	0.1	2.8	0.15	0.04	18	0.7	0.05	6.6	1.52
1082600	Soil	0.23	0.043	9.1	24.1	0.42	87.8	0.062	3	1.15	0.024	0.07	0.1	1.8	0.09	0.04	11	0.6	0.03	4.4	1.08



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Page: 7 of 7 Part 3

CERTIFICATE OF ANALYSIS

WHI11001339.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1082576	Soil	<0.1	0.03	1.09	16.8	0.8	<0.05	1.5	9.48	36.0	0.02	<1	0.6	16.0	<10	<2	17.6
1082577	Soil	<0.1	0.05	1.20	13.5	0.5	<0.05	2.3	8.10	22.2	0.03	<1	0.6	21.9	<10	<2	20.1
1082578	Soil	<0.1	0.05	1.19	13.0	0.6	<0.05	2.2	10.18	26.7	0.04	<1	0.5	23.2	<10	<2	20.4
1082579	Soil	<0.1	0.03	0.97	10.9	0.5	<0.05	1.7	7.60	23.2	0.03	<1	0.4	17.2	<10	<2	20.2
1082580	Soil	<0.1	0.03	1.18	12.9	0.6	<0.05	1.9	9.41	26.8	0.04	<1	0.5	16.4	<10	<2	22.3
1082581	Soil	<0.1	0.03	1.00	14.3	0.6	<0.05	1.6	3.18	17.9	0.02	<1	0.3	9.2	<10	<2	14.8
1082582	Soil	<0.1	0.04	0.96	14.0	0.5	<0.05	1.5	3.61	18.6	0.03	<1	0.3	10.8	<10	<2	23.2
1082583	Soil	<0.1	0.04	1.73	15.3	0.5	<0.05	1.8	2.15	27.9	<0.02	<1	0.2	15.6	15	12	13.4
1082584	Soil	<0.1	0.03	0.97	9.7	0.5	<0.05	1.6	3.50	16.5	0.02	<1	0.2	9.4	<10	<2	25.1
1082585	Soil	<0.1	0.09	1.37	16.8	0.8	<0.05	4.5	12.89	39.3	0.04	<1	0.7	19.8	<10	<2	9.0
1082586	Soil	0.1	0.03	1.26	11.7	0.7	<0.05	1.9	3.60	18.3	0.04	2	<0.1	14.6	<10	<2	13.4
1082587	Soil	0.1	0.03	0.95	10.1	0.6	<0.05	1.2	3.80	17.9	0.04	<1	0.5	12.5	<10	4	18.0
1082588	Soil	0.1	0.05	1.94	13.6	0.7	<0.05	3.7	4.61	23.2	0.02	<1	0.4	21.4	<10	3	13.9
1082589	Soil	0.2	0.12	1.99	22.4	0.7	<0.05	5.5	6.51	27.5	0.03	1	0.6	25.2	<10	<2	10.2
1082590 Agi Dagi B	Soil	0.1	0.13	0.47	10.3	0.5	<0.05	8.3	2.81	18.4	<0.02	<1	0.2	7.2	<10	3	10.7
1082591	Soil	0.1	<0.02	1.53	14.7	0.6	<0.05	1.7	5.24	29.6	0.03	<1	0.6	17.9	<10	<2	21.6
1082592	Soil	0.1	0.03	1.93	13.2	0.7	<0.05	2.4	8.03	28.4	0.02	<1	0.9	14.9	<10	<2	27.9
1082593	Soil	0.2	0.06	2.76	10.8	0.7	<0.05	4.6	16.59	45.3	0.03	<1	0.6	23.4	<10	3	13.9
1082594	Soil	0.1	0.05	1.93	10.2	0.6	<0.05	3.7	10.30	47.0	0.04	<1	0.6	19.5	<10	<2	13.9
1082595	Soil	0.1	0.03	1.17	14.4	0.7	<0.05	2.1	6.49	30.2	0.04	<1	0.5	19.4	<10	4	13.8
1082596	Soil	<0.1	0.04	0.82	4.8	0.3	<0.05	2.1	5.84	17.9	0.02	<1	<0.1	3.4	<10	<2	34.1
1082597	Soil	0.1	0.09	1.32	16.4	0.7	<0.05	3.6	5.84	30.8	<0.02	<1	0.3	22.7	<10	<2	10.0
1082598	Soil	0.1	0.03	1.41	20.0	0.7	<0.05	2.3	3.94	24.0	<0.02	<1	0.2	17.7	<10	<2	11.2
1082599	Soil	0.1	0.03	1.39	16.9	0.7	<0.05	1.7	5.07	24.6	0.03	<1	0.3	13.9	<10	2	13.7
1082600	Soil	<0.1	0.04	1.32	13.5	0.5	<0.05	1.8	3.14	18.0	<0.02	<1	0.5	9.3	<10	<2	13.6



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Project:

210800

Report Date:

October 12, 2011

Page:

1 of 3

Part 1

QUALITY CONTROL REPORT

WHI11001339.1

Method Analyte Unit MDL		SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0	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
Pulp Duplicates																					
1075143	Soil	318.0	1448	0.62	38.59	15.60	127.2	372	21.3	12.0	496	3.61	33.0	1.1	14.2	5.8	25.4	0.98	2.13	0.88	65
REP 1075143	QC			0.51	37.02	14.92	122.7	361	21.5	11.4	486	3.54	31.7	1.1	13.4	5.7	24.6	0.95	1.97	0.79	64
1075497	Soil	650.0	1870	1.54	22.35	22.78	64.0	242	20.1	8.9	191	2.54	5.8	2.4	12.2	8.8	21.9	0.23	0.39	3.28	60
REP 1075497	QC																				
1081178	Soil	400.0	970.0	1.52	22.80	6.98	49.8	74	25.5	14.0	617	3.03	8.3	1.2	2.6	2.0	24.9	0.13	0.54	0.14	67
REP 1081178	QC			1.50	22.39	6.91	49.6	77	24.8	13.7	611	3.04	8.3	1.2	3.3	2.0	24.7	0.12	0.55	0.13	66
1081182	Soil	245.0	925.0	1.60	22.23	16.23	61.8	528	30.1	15.0	608	3.69	11.7	0.8	5.5	3.8	28.0	0.20	0.94	0.18	74
REP 1081182	QC			1.48	21.56	15.63	59.7	517	29.7	14.8	589	3.56	11.3	0.8	4.5	3.7	27.0	0.18	0.91	0.15	72
1081186	Soil	355.0	1145	1.88	33.37	10.45	82.1	689	38.9	16.9	653	3.76	106.7	2.8	6.9	3.5	32.6	0.31	1.26	0.26	78
REP 1081186	QC																				
1081239	Soil	45.00	950.0	1.22	35.38	7.18	70.9	158	33.0	11.3	471	2.44	6.2	2.1	3.5	1.5	60.7	0.30	0.53	0.16	58
REP 1081239	QC			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1081247	Soil	315.0	1500	2.50	46.03	13.09	64.3	101	30.2	13.1	516	3.60	7.8	9.0	6.1	11.5	29.1	0.20	0.58	0.42	83
REP 1081247	QC			2.50	47.42	13.04	68.6	101	31.1	12.5	524	3.55	7.9	9.3	5.1	11.8	30.1	0.20	0.56	0.49	80
1081248	Soil	205.0	835.0	6.59	72.40	9.36	75.3	230	31.6	12.9	387	3.27	14.9	7.0	8.2	5.0	45.6	0.23	0.81	1.14	73
REP 1081248	QC																				
1081593	Soil	220.0	1591	2.64	41.66	8.20	60.1	137	30.9	10.5	335	3.35	7.4	3.7	13.2	8.6	28.8	0.12	0.42	0.16	79
REP 1081593	QC			2.56	41.38	8.08	57.8	132	29.9	10.4	327	3.35	7.2	3.6	4.6	8.3	28.2	0.11	0.41	0.15	79
1081600	Soil	259.0	1227	4.67	19.04	6.84	63.0	40	23.4	11.1	479	2.81	6.8	3.9	4.3	7.4	35.1	0.16	0.41	0.17	69
REP 1081600	QC			4.61	18.72	6.58	63.5	41	22.2	11.2	481	2.81	6.7	4.0	3.5	7.8	34.5	0.15	0.40	0.16	69
1082510 Agi Dagi A	Soil	N.A.	N.A.	69.80	15.05	59.90	16.7	41	8.8	2.2	73	3.37	73.2	0.5	433.6	2.7	9.3	0.04	3.03	16.82	30
REP 1082510 Agi Dagi A	QC																				
1082551	Soil	208.0	1811	4.76	26.27	7.85	65.5	80	26.0	14.6	602	3.19	7.9	6.3	7.6	5.5	33.0	0.23	0.63	0.23	71
REP 1082551	QC			4.83	26.20	7.87	67.7	71	24.6	14.5	600	3.19	7.9	6.5	4.7	5.1	32.8	0.21	0.73	0.21	71
1082556	Soil	60.00	740.0	2.41	23.67	7.30	59.2	99	23.4	13.3	653	2.92	10.6	3.0	3.2	2.5	47.3	0.14	1.62	0.17	61
REP 1082556	QC																				
1082565	Soil	51.00	1092	2.20	27.77	9.64	65.2	111	24.5	11.2	439	3.19	8.5	4.5	6.0	2.1	35.2	0.15	0.54	0.20	67
REP 1082565	QC			2.30	29.40	10.15	68.2	128	26.4	12.0	458	3.30	9.4	4.6	6.4	2.2	38.4	0.13	0.54	0.23	69



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Project:

210800

Report Date:

October 12, 2011

Page:

1 of 3

Part 2

QUALITY CONTROL REPORT

WHI11001339.1

Method Analyte Unit MDL		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.01	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																				
1075143	Soil	0.35	0.070	18.4	39.0	0.65	209.8	0.051	<1	2.04	0.006	0.07	0.1	6.4	0.18	<0.02	48	0.3	0.12	5.5
REP 1075143	QC	0.34	0.068	17.7	37.6	0.65	199.3	0.050	<1	1.98	0.006	0.07	0.1	6.3	0.17	<0.02	51	0.3	0.13	5.4
1075497	Soil	0.40	0.056	10.2	29.2	0.69	125.7	0.091	<1	1.72	0.015	0.06	0.6	3.1	0.17	<0.02	19	<0.1	0.03	5.5
REP 1075497	QC																			
1081178	Soil	0.40	0.060	8.3	31.9	0.60	129.4	0.058	<1	1.88	0.013	0.05	<0.1	2.7	0.10	0.04	24	0.1	0.03	5.6
REP 1081178	QC	0.40	0.058	8.2	31.4	0.60	128.7	0.056	<1	1.85	0.013	0.05	0.1	2.7	0.11	0.04	24	<0.1	0.03	5.4
1081182	Soil	0.44	0.045	10.4	35.8	0.73	129.5	0.067	2	2.14	0.016	0.05	0.2	3.4	0.13	0.03	40	0.2	0.05	6.6
REP 1081182	QC	0.43	0.045	10.4	34.2	0.70	126.0	0.065	2	2.05	0.016	0.05	0.2	3.3	0.11	0.03	31	0.2	0.04	6.6
1081186	Soil	0.52	0.052	14.5	44.7	0.87	172.8	0.076	2	2.41	0.029	0.05	0.1	4.2	0.17	0.04	34	0.3	0.04	6.6
REP 1081186	QC																			
1081239	Soil	1.08	0.070	13.4	34.0	0.53	156.6	0.082	3	1.51	0.032	0.06	0.1	3.6	0.13	0.06	34	0.4	0.04	4.6
REP 1081239	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1081247	Soil	0.44	0.067	22.7	44.8	0.81	185.6	0.140	<1	2.26	0.024	0.08	0.2	6.0	0.19	0.02	24	0.4	<0.02	6.6
REP 1081247	QC	0.47	0.064	22.8	46.2	0.80	183.0	0.146	1	2.27	0.025	0.08	0.2	6.1	0.13	0.02	20	0.3	<0.02	6.8
1081248	Soil	0.82	0.091	23.3	41.4	0.74	180.9	0.092	2	2.08	0.035	0.07	0.9	5.3	0.14	0.05	39	0.7	0.02	6.3
REP 1081248	QC																			
1081593	Soil	0.45	0.054	21.0	40.5	0.79	161.7	0.100	2	2.28	0.026	0.07	0.6	4.7	0.16	0.02	35	0.3	0.04	6.1
REP 1081593	QC	0.42	0.054	21.1	39.2	0.78	158.3	0.102	1	2.30	0.026	0.07	0.8	4.6	0.15	0.02	27	0.3	0.02	6.1
1081600	Soil	0.65	0.062	13.8	32.9	0.69	156.8	0.104	2	1.50	0.034	0.07	0.4	3.5	0.14	0.02	22	0.3	0.02	4.9
REP 1081600	QC	0.65	0.063	13.7	32.4	0.68	155.5	0.104	1	1.49	0.033	0.07	0.4	3.4	0.13	0.02	28	0.3	0.03	4.9
1082510 Agi Dagi A	Soil	0.02	0.017	6.3	13.4	0.12	46.0	0.008	<1	0.92	0.003	0.05	0.3	1.3	0.16	<0.02	32	6.8	3.16	3.8
REP 1082510 Agi Dagi A	QC																			
1082551	Soil	0.45	0.066	18.2	35.9	0.70	163.1	0.104	1	1.98	0.016	0.05	1.6	3.8	0.14	0.03	14	0.2	0.03	5.7
REP 1082551	QC	0.45	0.072	18.6	36.5	0.69	160.8	0.116	2	1.94	0.015	0.05	1.5	3.8	0.13	0.03	13	0.3	0.03	5.8
1082556	Soil	0.81	0.074	16.8	31.8	0.62	169.3	0.081	3	1.71	0.031	0.06	0.3	3.4	0.14	0.06	34	0.4	0.03	5.7
REP 1082556	QC																			
1082565	Soil	0.48	0.071	22.3	35.1	0.62	176.8	0.083	<1	1.91	0.022	0.05	0.4	3.4	0.12	0.05	28	0.3	<0.02	6.0
REP 1082565	QC	0.52	0.075	23.3	36.8	0.65	183.3	0.090	2	1.99	0.024	0.05	0.4	3.4	0.14	0.06	22	0.2	0.23	6.3



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Report Date: October 12, 2011

Page: 1 of 3 Part 3

QUALITY CONTROL REPORT

WHI11001339.1

Method Analyte Unit MDL		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
Pulp Duplicates																	
1075143	Soil	<0.1	0.07	0.37	8.9	0.9	<0.05	5.1	14.20	40.1	0.08	<1	0.7	13.0	<10	<2	8.3
REP 1075143	QC	<0.1	0.10	0.29	8.7	0.8	<0.05	5.2	13.62	38.3	0.07	<1	0.5	12.3	<10	<2	
1075497	Soil	<0.1	0.06	1.22	12.0	1.5	<0.05	2.7	4.78	20.8	0.03	1	0.4	16.8	<10	<2	9.5
REP 1075497	QC																9.3
1081178	Soil	<0.1	0.02	0.83	8.6	0.7	<0.05	1.7	4.66	18.2	0.02	<1	0.4	11.6	<10	<2	I.S.
REP 1081178	QC	<0.1	0.02	0.85	8.3	0.7	<0.05	1.5	4.49	17.8	<0.02	<1	0.4	11.6	<10	<2	
1081182	Soil	<0.1	0.05	1.14	9.9	0.9	<0.05	2.4	5.62	22.5	0.05	1	0.9	16.5	<10	<2	I.S.
REP 1081182	QC	<0.1	0.05	1.09	9.5	0.9	<0.05	2.3	5.48	22.2	0.04	<1	0.8	16.1	<10	<2	
1081186	Soil	<0.1	0.03	1.09	12.3	1.8	<0.05	2.5	7.58	34.8	0.03	1	0.7	14.8	<10	<2	14.8
REP 1081186	QC																14.9
1081239	Soil	<0.1	0.03	1.13	11.8	1.8	<0.05	2.1	9.51	23.8	0.03	2	0.4	10.0	<10	<2	27.3
REP 1081239	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
1081247	Soil	<0.1	0.09	1.37	17.8	1.0	<0.05	5.5	10.00	38.5	0.03	<1	0.8	19.7	<10	<2	9.1
REP 1081247	QC	<0.1	0.10	1.41	18.2	1.1	<0.05	5.6	9.98	38.6	0.02	<1	0.7	19.4	<10	<2	
1081248	Soil	<0.1	0.06	1.30	13.2	0.9	<0.05	3.9	12.26	31.6	0.03	<1	0.5	14.9	<10	<2	16.5
REP 1081248	QC																16.7
1081593	Soil	<0.1	0.08	1.09	14.2	0.8	<0.05	3.6	8.89	32.8	0.03	<1	0.4	16.6	<10	<2	9.6
REP 1081593	QC	<0.1	0.08	1.03	14.2	0.9	<0.05	3.5	8.68	31.9	0.02	<1	0.5	16.5	<10	<2	
1081600	Soil	<0.1	0.07	1.10	12.2	0.5	<0.05	3.1	7.03	26.2	0.02	<1	0.2	13.9	<10	<2	9.1
REP 1081600	QC	<0.1	0.06	1.07	11.9	0.5	<0.05	3.2	6.81	25.9	0.02	<1	0.3	14.0	<10	<2	
1082510 Agi Dagi A	Soil	<0.1	<0.02	0.34	8.0	2.4	<0.05	0.7	1.26	13.2	0.06	<1	0.3	5.2	<10	4	10.6
REP 1082510 Agi Dagi A	QC																10.2
1082551	Soil	<0.1	0.03	1.07	11.7	0.7	<0.05	2.0	8.25	36.2	0.03	<1	0.5	17.4	<10	<2	10.4
REP 1082551	QC	<0.1	0.04	1.25	12.4	0.7	<0.05	1.8	8.35	36.3	<0.02	<1	0.4	17.3	<10	<2	
1082556	Soil	<0.1	0.03	1.13	13.8	0.6	<0.05	1.8	7.91	29.0	0.03	<1	0.3	13.2	<10	4	22.3
REP 1082556	QC																22.6
1082565	Soil	<0.1	0.03	1.05	10.5	0.8	<0.05	1.6	9.09	31.1	0.03	2	0.3	14.2	<10	<2	19.0
REP 1082565	QC	0.1	0.03	1.14	11.5	0.8	<0.05	1.8	9.70	32.4	0.02	2	0.5	15.1	<10	<2	



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Report Date:

October 12, 2011

Page:

2 of 3

Part 1

QUALITY CONTROL REPORT

WHI11001339.1

		SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1082578	Soil	79.00	929.0	2.04	33.30	7.99	63.2	103	41.4	14.8	587	3.25	33.4	2.5	5.8	1.6	42.5	0.14	0.99	0.18
REP 1082578	QC			2.07	34.85	7.93	65.5	104	42.9	14.7	605	3.32	34.1	2.5	5.0	1.9	42.4	0.14	1.10	0.18
1082584	Soil	146.0	751.0	2.11	35.67	7.86	58.2	64	19.9	11.5	511	2.95	8.9	0.8	2.1	0.6	29.7	0.15	0.86	0.17
REP 1082584	QC																			
1082589	Soil	338.0	2104	1.07	59.73	7.66	81.2	98	50.9	19.5	398	4.23	5.0	1.0	6.4	4.5	25.8	0.20	0.40	0.21
REP 1082589	QC																			
1082591	Soil	251.0	1064	2.12	32.96	20.10	83.5	103	33.3	13.3	443	3.47	11.5	0.8	2.6	1.5	28.3	0.23	0.85	0.24
REP 1082591	QC			2.14	33.78	19.94	83.9	109	33.2	13.7	439	3.46	11.1	0.9	5.2	1.6	28.4	0.25	0.88	0.24
Reference Materials																				
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DS8	Standard			10.73	97.71	109.6	285.8	1653	34.8	7.0	553	2.21	23.0	2.3	149.6	5.5	54.1	2.11	4.88	5.76
STD DS8	Standard			13.18	109.6	125.9	310.3	1797	38.4	7.7	620	2.47	25.3	3.0	117.0	7.4	68.6	2.48	5.98	7.22
STD DS8	Standard			11.70	110.1	126.9	297.9	1718	36.6	7.3	579	2.41	22.6	2.9	111.9	6.9	58.1	2.30	5.32	6.60
STD DS8	Standard			12.96	105.5	123.2	302.9	1771	35.6	7.1	592	2.41	22.9	2.8	116.0	6.8	63.6	2.10	5.68	6.73
STD DS8	Standard			13.28	107.2	129.3	319.1	1883	37.8	7.7	634	2.60	26.4	3.0	125.9	7.5	65.6	2.46	5.71	7.17
STD DS8	Standard			12.28	101.4	117.3	291.7	1647	35.9	6.8	586	2.42	22.0	2.6	102.0	6.5	57.9	2.06	5.06	5.66
STD DS8	Standard			13.28	104.8	122.5	298.7	1696	37.0	7.5	617	2.47	24.1	2.7	105.9	6.4	68.7	2.24	5.64	6.61
STD DS8	Standard			12.51	103.9	123.1	309.8	1784	37.6	7.2	615	2.49	24.8	2.6	111.4	6.6	64.9	2.20	5.38	6.12
STD DOLOMITE-2 Expected																				
STD DS8 Expected				13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67
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
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
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



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Vancouver BC V6C 0B3 Canada

Project:

210800

Report Date:

October 12, 2011

Page:

2 of 3

Part 2

QUALITY CONTROL REPORT

WHI11001339.1

		1F30 Ca %	1F30 P %	1F30 La ppm	1F30 Cr ppm	1F30 Mg %	1F30 Ba ppm	1F30 Ti %	1F30 B ppm	1F30 Al %	1F30 Na %	1F30 K %	1F30 W ppm	1F30 Sc ppm	1F30 Ti ppm	1F30 S %	1F30 Hg ppb	1F30 Se ppm	1F30 Te ppm	1F30 Ga ppm	1F30 Cs ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1082578	Soil	0.71	0.065	13.9	56.7	0.77	169.8	0.069	3	2.17	0.029	0.06	0.1	4.3	0.13	0.06	42	0.3	<0.02	6.5	5.10
REP 1082578	QC	0.71	0.069	14.6	58.6	0.76	169.4	0.080	3	2.17	0.029	0.07	0.2	4.4	0.16	0.06	36	0.4	0.06	6.4	5.95
1082584	Soil	0.35	0.068	8.2	29.6	0.44	94.9	0.053	1	1.21	0.018	0.05	0.2	1.8	0.11	0.08	31	0.1	0.03	5.3	1.00
REP 1082584	QC																				
1082589	Soil	0.40	0.042	13.8	88.9	1.28	155.3	0.169	<1	2.68	0.023	0.18	0.1	6.2	0.17	0.02	24	0.9	0.05	9.5	1.94
REP 1082589	QC																				
1082591	Soil	0.38	0.067	13.7	49.0	0.66	109.4	0.062	1	1.62	0.017	0.08	0.1	2.7	0.09	0.07	36	0.9	0.08	7.0	1.73
REP 1082591	QC	0.39	0.071	14.6	50.0	0.65	109.6	0.075	6	1.59	0.017	0.09	0.2	2.9	0.11	0.07	34	1.1	0.10	7.0	1.99
Reference Materials																					
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DS8	Standard	0.64	0.075	11.0	108.8	0.55	239.6	0.092	<1	0.81	0.075	0.38	2.8	1.8	4.83	0.15	191	4.8	4.43	4.1	2.23
STD DS8	Standard	0.73	0.082	16.4	122.4	0.61	282.2	0.120	3	0.97	0.104	0.43	3.0	2.3	5.61	0.16	187	5.4	5.18	5.0	2.52
STD DS8	Standard	0.68	0.075	14.4	112.0	0.59	229.7	0.102	3	0.97	0.115	0.43	2.9	2.1	5.32	0.15	182	5.2	4.80	4.6	2.45
STD DS8	Standard	0.72	0.077	16.6	113.8	0.59	270.5	0.111	2	0.96	0.102	0.42	2.8	2.2	5.18	0.16	186	4.8	4.77	4.3	2.30
STD DS8	Standard	0.76	0.090	17.6	122.2	0.64	271.1	0.110	3	0.96	0.094	0.43	2.9	2.3	5.59	0.17	197	5.9	5.27	5.2	2.57
STD DS8	Standard	0.71	0.068	14.3	114.2	0.61	253.9	0.101	2	0.99	0.122	0.44	2.8	2.0	5.05	0.16	187	4.9	4.63	4.6	2.35
STD DS8	Standard	0.72	0.080	15.7	119.5	0.62	273.3	0.117	3	0.95	0.097	0.42	2.8	2.3	5.28	0.17	185	5.2	4.78	4.5	2.34
STD DS8	Standard	0.72	0.082	14.4	122.8	0.60	264.4	0.109	3	0.94	0.097	0.43	3.2	2.1	5.56	0.16	206	5.1	5.24	4.6	2.40
STD DOLOMITE-2 Expected																					
STD DS8 Expected		0.7	0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02



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Project: 210800

Report Date: October 12, 2011

Page: 2 of 3 Part 3

QUALITY CONTROL REPORT

WHI11001339.1

		1F30 Ge ppm 0.1	1F30 Hf ppm 0.02	1F30 Nb ppm 0.02	1F30 Rb ppm 0.1	1F30 Sn ppm 0.1	1F30 Ta ppm 0.05	1F30 Zr ppm 0.1	1F30 Y ppm 0.01	1F30 Ce ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2	LOI % 0.1	
1082578	Soil	<0.1	0.05	1.19	13.0	0.6	<0.05	2.2	10.18	26.7	0.04	<1	0.5	23.2	<10	<2	20.4	
REP 1082578	QC	<0.1	0.04	1.04	14.4	0.6	<0.05	1.6	10.13	27.3	0.04	<1	0.5	23.5	<10	<2		
1082584	Soil	<0.1	0.03	0.97	9.7	0.5	<0.05	1.6	3.50	16.5	0.02	<1	0.2	9.4	<10	<2	25.1	
REP 1082584	QC																25.2	
1082589	Soil	0.2	0.12	1.99	22.4	0.7	<0.05	5.5	6.51	27.5	0.03	1	0.6	25.2	<10	<2	10.2	
REP 1082589	QC																10.3	
1082591	Soil	0.1	<0.02	1.53	14.7	0.6	<0.05	1.7	5.24	29.6	0.03	<1	0.6	17.9	<10	<2	21.6	
REP 1082591	QC	<0.1	0.03	1.28	16.5	0.6	<0.05	1.3	5.31	31.9	<0.02	<1	0.6	16.4	<10	4		
Reference Materials																		
STD DOLOMITE-2	Standard																	45.8
STD DOLOMITE-2	Standard																	44.4
STD DOLOMITE-2	Standard																	45.6
STD DOLOMITE-2	Standard																	45.9
STD DOLOMITE-2	Standard																	46.1
STD DOLOMITE-2	Standard																	45.6
STD DOLOMITE-2	Standard																	46.1
STD DS8	Standard	<0.1	0.06	1.08	34.7	5.7	<0.05	1.6	4.65	21.4	1.87	54	4.7	25.9	101	325		
STD DS8	Standard	0.1	0.10	1.54	39.5	7.2	<0.05	2.2	6.33	29.1	2.39	62	5.2	28.6	96	344		
STD DS8	Standard	<0.1	0.09	1.22	40.7	6.4	<0.05	1.6	5.62	24.6	2.32	51	4.7	26.2	111	329		
STD DS8	Standard	0.1	0.10	1.47	35.7	6.6	<0.05	2.5	6.18	29.0	2.13	48	5.0	26.3	115	347		
STD DS8	Standard	0.2	0.11	1.45	38.3	6.8	<0.05	2.3	6.55	31.8	2.35	47	6.0	28.7	113	387		
STD DS8	Standard	0.1	0.08	1.40	36.1	5.9	<0.05	2.0	5.60	26.5	2.08	52	4.7	25.1	105	318		
STD DS8	Standard	0.1	0.08	1.33	36.7	6.5	<0.05	1.7	6.12	28.6	2.03	59	5.7	27.7	115	337		
STD DS8	Standard	0.1	0.09	1.34	38.1	6.4	<0.05	2.1	5.66	26.9	2.14	56	5.0	27.2	113	351		
STD DOLOMITE-2 Expected																		46
STD DS8 Expected		0.13	0.08	1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339		
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	1.0	<10	<2		
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2		
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2		



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Project: 210800

Report Date: October 12, 2011

Page: 3 of 3 **Part** 1

QUALITY CONTROL REPORT

WHI11001339.1

		SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0	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
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
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
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
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
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



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Page: 3 of 3 Part 2

QUALITY CONTROL REPORT

WHI11001339.1

		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02



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Page: 3 of 3 **Part** 3

QUALITY CONTROL REPORT

WHI11001339.1

		1F30 Ge ppm 0.1	1F30 Hf ppm 0.02	1F30 Nb ppm 0.02	1F30 Rb ppm 0.1	1F30 Sn ppm 0.1	1F30 Ta ppm 0.05	1F30 Zr ppm 0.1	1F30 Y ppm 0.01	1F30 Ce ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2	LOI %
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	



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Submitted By: Andrea Langerud

Receiving Lab: Canada-Whitehorse

Received: September 12, 2011

Report Date: October 25, 2011

Page: 1 of 9

CERTIFICATE OF ANALYSIS

WHI11001343.1

CLIENT JOB INFORMATION

Project: 210800
Shipment ID: YTG-019
P.O. Number
Number of Samples: 239

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.

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

CC: Randy Farmer
Rupa Mukherjee

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	223	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	223	Dry at 60C			WHI
RJSV	223	Saving all or part of Soil Reject			WHI
1F06	223	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
2A05	229	Loss on Ignition at 1000 C		Completed	VAN

ADDITIONAL COMMENTS



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



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Project: 210800
Report Date: October 25, 2011

Page: 2 of 9 Part 1

CERTIFICATE OF ANALYSIS

WHI11001343.1

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1075925	Soil	29.00	536.0	1.16	24.91	8.45	76.7	85	22.2	12.0	626	2.31	8.2	1.3	10.4	1.8	48.3	0.44	0.71	0.52
1075926	Soil	26.00	649.0	0.99	23.63	9.94	91.3	102	27.8	14.5	1164	2.88	9.9	1.0	7.0	2.1	40.2	0.50	0.63	0.28
1075927	Soil	74.00	6169	1.26	36.18	6.22	55.3	180	22.1	8.6	555	1.81	6.6	2.0	6.4	0.4	64.3	0.37	0.75	0.27
1075928	Soil	26.00	338.0	1.43	32.09	9.39	53.9	348	22.2	12.1	783	1.87	8.1	1.7	4.3	0.6	62.4	0.93	1.03	0.33
1075929	Soil	40.00	445.0	1.29	27.68	9.02	58.7	149	22.6	13.4	451	2.40	8.6	1.1	7.7	1.2	41.8	0.34	0.74	0.26
1075930 Agi Dagi B	Soil	N.A.	N.A.	2.82	7.77	25.10	17.2	14	10.1	3.2	83	3.68	62.4	0.7	114.5	4.2	30.3	0.03	1.00	1.71
1075931	Soil	29.00	434.0	1.32	27.90	8.23	62.0	172	22.7	12.5	708	2.20	9.3	1.1	11.2	1.2	57.3	0.50	0.84	0.35
1075932	Soil	95.00	290.0	1.24	23.33	7.42	53.6	156	19.9	8.3	725	1.85	6.9	1.4	4.2	0.6	57.2	0.38	0.62	0.27
1075933	Soil	85.00	350.0	1.08	20.60	6.58	42.5	200	18.3	12.7	519	2.03	6.2	1.2	3.8	0.7	42.2	0.25	0.59	0.17
1075934	Soil	60.00	315.0	2.49	15.88	7.06	41.0	222	16.7	46.1	2701	2.22	7.2	1.0	3.2	0.5	38.9	0.33	0.70	0.16
1075935	Soil	95.00	475.0	1.48	23.37	6.26	44.1	189	21.2	8.5	217	1.90	7.5	0.7	4.4	0.7	37.7	0.20	0.69	0.18
1075936	Soil	105.0	540.0	1.16	19.96	7.75	54.0	168	20.1	14.4	618	2.14	7.1	0.7	4.8	1.2	28.9	0.22	0.60	0.19
1075937	Soil	90.00	435.0	1.87	15.63	8.53	50.6	217	17.9	11.0	662	2.16	9.5	0.8	4.4	1.3	31.0	0.21	0.66	0.20
1075938	Soil	110.0	425.0	1.62	14.52	4.39	34.6	200	11.2	4.5	70	1.33	4.8	0.6	2.9	0.1	23.8	0.72	0.50	0.15
1075939	Soil	75.00	445.0	1.56	26.26	7.26	58.3	151	21.5	15.7	995	2.28	8.2	2.0	4.7	0.9	41.7	0.70	0.74	0.17
1075940	Soil	90.00	370.0	1.53	17.60	5.98	36.6	140	17.0	8.2	205	1.82	6.5	0.9	3.2	0.6	36.4	0.31	0.62	0.17
1075941	Soil	90.00	485.0	2.17	29.95	6.69	51.6	176	20.0	15.7	861	2.37	9.2	3.0	2.7	0.7	33.1	0.47	0.81	0.22
1075942	Soil	70.00	280.0	2.40	20.90	4.12	45.7	153	17.3	14.3	1656	1.65	4.8	2.0	3.9	0.5	59.4	0.57	1.12	0.14
1075943	Soil	65.00	285.0	1.59	28.08	5.87	50.4	154	20.5	12.0	1205	1.94	9.1	1.4	3.4	0.7	46.4	0.55	0.88	0.19
1081651	Soil	100.00	460.0	0.77	29.69	5.51	35.0	131	18.5	9.7	317	2.01	5.8	1.0	3.9	0.6	38.1	0.14	0.53	0.12
1081652	Soil	145.0	410.0	1.32	25.22	4.07	29.3	92	14.5	6.9	713	1.34	4.5	1.5	2.5	0.2	67.2	0.36	0.53	0.11
1081653	Soil			1.82	40.01	13.98	20.1	221	21.9	17.9	283	2.24	6.3	2.0	3.8	0.1	41.3	0.14	0.60	0.12
1081654	Soil	45.00	265.0	2.63	23.56	3.17	63.9	139	21.5	51.8	9002	2.18	6.9	0.8	2.4	0.2	66.0	1.17	0.86	0.07
1081655	Soil	65.00	380.0	1.60	25.38	3.67	41.2	130	16.7	11.7	876	1.26	3.9	0.8	3.9	<0.1	62.9	0.42	0.58	0.10
1081656	Soil	65.00	270.0	1.28	21.23	4.16	46.5	98	18.5	9.6	936	1.49	4.7	0.5	3.0	0.3	63.9	0.52	0.63	0.10
1081657	Soil	75.00	270.0	1.21	24.94	3.25	42.8	223	22.6	18.3	1846	1.48	3.1	0.7	3.5	0.1	65.1	0.88	0.67	0.08
1081658	Soil	150.0	475.0	2.39	33.79	5.88	48.8	423	21.1	12.2	652	2.14	14.5	1.0	3.8	0.7	59.2	0.35	0.88	0.12
1081659	Soil	115.0	350.0	7.11	46.36	5.99	91.7	282	50.0	27.0	>10000	3.13	20.3	4.2	3.7	0.8	73.2	2.53	1.30	0.13
1081660	Soil	35.00	370.0	1.10	27.73	5.36	48.8	135	19.7	12.1	735	1.75	5.8	1.3	2.8	0.3	56.6	0.76	0.65	0.13
1081661	Soil	105.0	425.0	1.60	29.08	4.12	40.2	161	19.5	13.9	1641	1.40	3.8	1.1	2.7	0.1	77.5	0.62	0.76	0.09



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Project: 210800
Report Date: October 25, 2011

Page: 2 of 9 Part 2

CERTIFICATE OF ANALYSIS

WHI11001343.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.01	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
1075925	Soil	0.86	0.071	9.8	32.1	0.52	188.5	0.075	3	1.45	0.021	0.07	0.2	3.1	0.16	0.09	70	0.3	<0.02	4.7
1075926	Soil	0.82	0.079	9.9	41.3	0.71	185.5	0.071	3	1.90	0.022	0.08	0.1	3.6	0.13	0.06	41	0.2	0.03	5.7
1075927	Soil	2.05	0.097	9.1	23.6	0.44	169.6	0.029	4	1.11	0.024	0.07	<0.1	1.7	0.13	0.17	68	0.6	0.05	2.8
1075928	Soil	1.09	0.082	12.6	23.7	0.37	223.4	0.038	3	0.96	0.017	0.06	0.1	2.3	0.12	0.12	76	0.4	0.04	3.2
1075929	Soil	0.65	0.077	11.5	34.8	0.51	175.2	0.068	3	1.55	0.020	0.07	0.2	3.3	0.13	0.09	59	0.4	<0.02	4.7
1075930 Agi Dagi B	Soil	0.04	0.018	7.9	21.2	0.12	69.4	0.020	1	1.00	0.004	0.06	0.2	1.9	0.12	0.03	29	2.4	0.42	8.4
1075931	Soil	0.93	0.080	12.9	30.2	0.47	194.1	0.059	2	1.38	0.019	0.06	0.2	3.1	0.14	0.10	70	0.4	0.03	4.3
1075932	Soil	1.08	0.076	9.5	26.1	0.41	166.8	0.040	2	1.18	0.015	0.04	0.1	2.2	0.10	0.10	94	0.4	0.02	3.7
1075933	Soil	0.68	0.085	11.8	26.4	0.38	170.6	0.042	2	1.31	0.016	0.04	0.1	2.9	0.12	0.09	78	0.3	0.03	3.8
1075934	Soil	0.56	0.111	9.3	23.9	0.34	169.4	0.039	2	1.06	0.016	0.06	0.1	2.3	0.13	0.10	97	0.4	0.03	3.8
1075935	Soil	0.48	0.078	9.2	26.4	0.32	160.4	0.044	2	1.10	0.013	0.06	0.1	2.7	0.10	0.10	65	0.3	0.02	3.8
1075936	Soil	0.43	0.069	9.2	30.9	0.44	129.9	0.059	2	1.37	0.017	0.07	0.1	2.7	0.11	0.06	62	0.2	<0.02	4.8
1075937	Soil	0.45	0.082	8.4	29.6	0.42	111.2	0.053	2	1.15	0.018	0.06	0.2	2.7	0.13	0.07	76	0.4	0.02	4.2
1075938	Soil	0.35	0.068	5.1	19.8	0.20	72.0	0.027	1	0.59	0.015	0.04	0.1	1.0	0.08	0.08	57	0.3	0.03	3.0
1075939	Soil	0.71	0.100	11.6	32.0	0.46	162.3	0.053	2	1.32	0.022	0.06	0.1	3.2	0.12	0.10	76	0.6	0.06	4.3
1075940	Soil	0.65	0.061	10.1	22.3	0.35	129.9	0.040	2	0.95	0.017	0.04	0.1	2.1	0.11	0.08	81	0.3	0.03	3.5
1075941	Soil	0.65	0.082	10.2	30.1	0.42	135.3	0.044	2	1.13	0.016	0.05	0.1	2.4	0.11	0.09	53	1.0	0.03	4.1
1075942	Soil	1.33	0.085	9.4	21.1	0.37	165.4	0.035	3	0.91	0.017	0.04	0.1	2.0	0.13	0.13	101	0.7	0.03	2.7
1075943	Soil	0.95	0.074	10.2	22.9	0.39	161.2	0.036	2	1.00	0.016	0.05	0.1	2.1	0.11	0.12	60	0.4	0.04	3.4
1081651	Soil	0.57	0.097	11.1	28.7	0.34	157.7	0.036	1	1.20	0.015	0.04	0.1	3.0	0.08	0.12	96	0.4	0.02	3.4
1081652	Soil	1.83	0.093	6.8	15.9	0.22	181.5	0.023	3	0.88	0.022	0.03	<0.1	1.1	0.08	0.16	65	0.7	0.04	2.8
1081653	Soil	0.54	0.121	12.0	23.4	0.23	163.7	0.017	<1	1.00	0.014	0.04	<0.1	1.3	0.06	0.16	104	0.5	0.05	2.7
1081654	Soil	1.47	0.109	8.1	14.5	0.24	294.3	0.015	4	0.76	0.011	0.04	<0.1	1.2	0.12	0.16	125	0.4	0.04	1.8
1081655	Soil	1.25	0.093	7.2	17.8	0.28	139.6	0.018	3	0.67	0.017	0.04	<0.1	1.0	0.07	0.13	78	0.5	<0.02	2.3
1081656	Soil	1.37	0.086	7.9	18.8	0.34	157.2	0.033	3	0.89	0.016	0.05	0.1	1.8	0.08	0.11	119	0.4	0.02	2.6
1081657	Soil	1.20	0.104	11.8	17.1	0.27	202.7	0.018	3	0.84	0.013	0.03	<0.1	1.7	0.10	0.14	95	0.4	<0.02	2.1
1081658	Soil	1.62	0.079	10.7	24.8	0.43	198.8	0.036	2	1.38	0.020	0.05	0.1	3.0	0.13	0.09	65	0.6	0.02	4.4
1081659	Soil	1.57	0.107	16.8	28.9	0.41	665.9	0.039	3	1.22	0.013	0.05	0.1	3.2	0.19	0.12	91	0.9	0.07	4.0
1081660	Soil	0.94	0.092	12.0	21.8	0.30	178.0	0.036	2	0.94	0.015	0.04	0.1	2.3	0.10	0.11	83	0.5	<0.02	2.6
1081661	Soil	1.53	0.103	9.4	15.6	0.25	219.2	0.017	3	0.82	0.018	0.03	<0.1	1.2	0.11	0.16	90	0.6	<0.02	2.2



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Report Date: October 25, 2011

Page: 2 of 9 Part 3

CERTIFICATE OF ANALYSIS

WHI11001343.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1075925	Soil	<0.1	0.02	1.27	14.7	0.8	<0.05	1.6	6.26	21.9	0.04	1	0.2	10.0	<10	<2
1075926	Soil	<0.1	0.04	1.23	12.2	0.7	<0.05	2.1	6.85	24.6	0.03	1	0.4	14.8	<10	<2
1075927	Soil	<0.1	0.04	0.91	7.0	0.8	<0.05	2.0	7.82	17.9	0.02	1	0.3	6.3	<10	<2
1075928	Soil	<0.1	<0.02	0.81	9.2	2.0	<0.05	0.9	10.03	27.4	0.02	<1	0.4	5.3	<10	<2
1075929	Soil	0.1	0.03	1.21	9.5	1.4	<0.05	1.3	6.51	25.5	0.02	<1	0.3	9.1	<10	<2
1075930 Agi Dagi B	Soil	<0.1	0.11	0.44	9.6	0.5	<0.05	6.7	2.61	17.5	0.02	<1	0.2	6.0	<10	<2
1075931	Soil	<0.1	0.02	1.17	11.3	1.6	<0.05	1.4	8.39	26.9	0.02	<1	0.4	7.6	<10	<2
1075932	Soil	<0.1	0.03	1.13	8.4	1.6	<0.05	1.6	7.21	20.2	<0.02	<1	0.3	7.1	<10	<2
1075933	Soil	<0.1	0.03	1.11	6.1	0.9	<0.05	1.4	7.51	26.3	<0.02	<1	0.3	6.9	<10	<2
1075934	Soil	<0.1	<0.02	0.87	7.2	0.8	<0.05	0.5	5.62	21.8	<0.02	<1	0.2	6.1	<10	<2
1075935	Soil	<0.1	0.03	1.20	9.0	0.4	<0.05	1.9	6.23	20.1	<0.02	<1	0.3	5.5	<10	<2
1075936	Soil	<0.1	0.04	1.29	9.9	0.6	<0.05	1.5	4.99	20.3	0.02	<1	0.2	7.8	<10	<2
1075937	Soil	<0.1	0.03	1.26	9.9	0.5	<0.05	1.3	4.11	17.9	0.02	<1	0.2	7.4	<10	<2
1075938	Soil	<0.1	<0.02	0.74	7.1	0.6	<0.05	0.6	2.35	10.6	<0.02	1	0.1	3.0	<10	<2
1075939	Soil	<0.1	0.03	1.12	10.2	0.9	<0.05	1.4	7.46	25.4	<0.02	1	0.3	7.9	<10	<2
1075940	Soil	<0.1	0.02	1.05	8.1	0.5	<0.05	1.2	5.43	21.7	<0.02	1	0.2	5.6	<10	<2
1075941	Soil	<0.1	0.02	1.17	8.3	0.7	<0.05	0.8	5.45	21.8	0.02	<1	0.3	7.2	<10	<2
1075942	Soil	<0.1	<0.02	0.85	7.6	0.5	<0.05	0.8	6.69	20.0	<0.02	<1	0.2	4.6	<10	<2
1075943	Soil	<0.1	0.03	1.00	7.3	0.5	<0.05	1.5	7.62	21.7	0.02	<1	0.2	6.1	<10	<2
1081651	Soil	<0.1	0.03	0.88	5.6	0.4	<0.05	2.3	9.56	24.3	<0.02	<1	0.3	5.6	<10	<2
1081652	Soil	<0.1	0.03	0.68	4.3	0.6	<0.05	1.7	6.20	13.8	<0.02	<1	0.3	3.1	<10	<2
1081653	Soil	<0.1	<0.02	0.67	3.0	17.0	<0.05	0.9	10.83	28.1	<0.02	<1	0.4	3.2	<10	<2
1081654	Soil	<0.1	<0.02	0.32	4.0	0.5	<0.05	0.4	8.66	22.9	<0.02	<1	0.3	2.5	<10	<2
1081655	Soil	<0.1	<0.02	0.56	6.5	0.4	<0.05	0.6	5.82	14.8	<0.02	<1	0.2	2.9	<10	<2
1081656	Soil	<0.1	0.02	0.81	7.3	0.4	<0.05	1.4	6.89	17.0	<0.02	<1	0.2	4.0	<10	<2
1081657	Soil	<0.1	<0.02	0.50	6.3	0.2	<0.05	0.7	11.52	26.7	<0.02	<1	0.3	3.0	<10	<2
1081658	Soil	<0.1	0.03	1.15	7.4	0.5	<0.05	2.0	11.10	20.5	0.02	<1	0.4	8.8	<10	<2
1081659	Soil	<0.1	0.03	0.66	8.0	0.8	<0.05	1.5	14.69	47.0	<0.02	<1	0.5	7.0	<10	<2
1081660	Soil	<0.1	0.03	0.72	7.8	1.1	<0.05	0.9	9.29	25.6	<0.02	<1	0.3	4.2	<10	<2
1081661	Soil	<0.1	<0.02	0.51	5.7	0.4	<0.05	0.6	9.50	20.9	<0.02	2	0.3	2.4	<10	<2



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Report Date:

October 25, 2011

Page:

3 of 9

Part 1

CERTIFICATE OF ANALYSIS

WHI11001343.1

	Method Analyte	Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
			-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb
			g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm
			0	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
1081662	Soil		40.00	245.0	1.34	30.09	5.65	62.9	162	20.9	11.0	937	1.54	6.6	1.1	1.6	0.4	76.3	0.84	0.72
1081663	Soil		60.00	190.0	0.70	20.44	3.36	37.5	103	14.1	5.1	174	0.91	3.4	0.6	3.8	0.2	90.3	0.91	0.54
1081664	Soil		85.00	370.0	1.32	54.12	6.00	58.6	495	23.3	9.8	843	1.82	12.6	2.6	4.4	0.6	63.0	1.15	1.02
1081665	Soil		60.00	285.0	2.67	21.88	5.46	32.7	168	13.0	21.1	975	2.19	6.6	0.8	2.3	0.2	39.1	0.40	0.71
1081666	Soil		65.00	235.0	4.60	22.02	4.75	56.7	120	21.1	13.2	2724	2.50	17.4	3.0	3.6	0.6	101.0	0.94	0.57
1081667	Soil		50.00	435.0	2.15	16.86	5.61	50.5	149	17.5	38.0	8801	2.39	8.0	1.0	3.0	0.5	33.1	0.51	0.65
1081668	Soil		100.00	350.0	1.13	26.43	6.08	17.1	156	13.6	5.6	137	1.74	5.8	0.9	5.1	0.2	33.8	0.26	0.52
1081669	Soil		135.0	360.0	3.32	24.85	6.70	52.0	148	19.2	24.6	3117	2.82	9.3	1.6	3.3	0.8	66.9	0.53	0.78
1081670 BAL-1	Soil		N.A.	N.A.	1.16	17.96	26.00	87.2	125	31.5	6.2	301	1.87	5.4	1.5	4.1	2.3	31.6	1.96	0.85
1081671	Soil		80.00	285.0	1.18	43.47	8.15	61.1	238	25.3	13.3	864	1.87	10.2	2.9	3.5	0.9	73.1	0.94	1.10
1081672	Soil		95.00	315.0	1.06	36.26	8.55	72.6	198	25.8	19.2	1809	1.70	7.4	2.6	5.5	1.1	77.3	1.51	1.01
1081673	Soil		170.0	410.0	0.88	33.59	8.49	62.7	97	25.1	8.7	311	2.10	9.6	1.4	4.3	2.3	51.1	0.35	0.75
1081674	Soil		80.00	365.0	1.91	37.88	9.14	49.5	134	24.8	30.1	2793	2.24	9.5	1.5	3.7	0.5	61.4	0.62	0.96
1081675	Soil		185.0	545.0	1.11	25.45	9.73	80.3	143	24.5	10.2	355	2.15	11.5	1.3	2.2	2.7	45.7	0.37	0.86
1081676	Soil		100.00	480.0	1.65	20.74	6.14	38.7	104	15.4	5.6	154	1.66	10.5	0.7	4.5	2.1	40.5	0.81	0.81
1081677	Soil		150.0	475.0	1.53	25.16	11.47	39.9	109	18.5	7.5	323	1.87	10.5	0.8	2.3	1.1	28.0	0.30	0.65
1081678	Soil		30.00	490.0	1.61	49.27	11.31	72.8	557	30.2	15.8	1361	2.27	21.0	2.1	4.9	1.1	64.5	1.11	1.20
1081679	Soil		170.0	545.0	1.59	56.63	12.57	85.3	516	32.1	10.6	669	2.17	23.7	2.1	4.2	1.2	59.2	1.10	1.31
1081680	Soil		255.0	545.0	1.04	30.41	6.90	49.4	134	15.2	8.2	1088	1.56	6.4	0.6	3.3	0.5	17.0	0.93	0.50
1081681	Soil		115.0	470.0	1.54	21.91	10.55	65.9	185	18.8	22.2	960	1.97	12.9	2.1	3.7	1.3	50.5	0.64	0.83
1081682	Soil		55.00	460.0	1.94	33.28	10.01	63.2	281	24.6	39.9	4445	2.42	14.9	4.1	2.9	1.2	58.8	1.14	1.19
1081683	Soil		100.00	305.0	1.95	40.72	9.70	59.8	284	25.8	12.9	971	2.01	17.1	2.8	3.1	0.9	69.6	0.68	1.20
1081684	Soil		110.0	405.0	1.22	40.33	5.96	35.6	283	19.5	3.7	64	1.21	5.0	0.9	0.9	<0.1	44.0	1.04	0.62
1081685	Soil		60.00	465.0	1.90	48.38	6.01	40.1	618	21.2	10.2	700	1.65	10.2	1.9	3.3	0.3	76.0	0.74	1.01
1081686	Soil		90.00	380.0	1.68	31.47	8.98	76.2	212	23.5	12.8	996	1.81	13.1	1.3	2.7	0.9	66.3	1.00	1.11
1081701	Soil		35.00	330.0	1.52	26.10	9.04	51.8	185	19.3	16.8	1239	2.01	8.6	1.0	2.2	0.5	68.1	0.52	0.84
1081702	Soil		35.00	280.0	1.22	19.81	3.18	38.2	218	13.0	2.9	72	1.00	3.9	0.6	2.6	0.2	65.5	0.69	0.53
1081703	Soil		50.00	180.0	1.19	20.09	7.05	25.1	254	11.3	6.0	152	1.00	3.3	0.9	1.0	0.3	98.3	1.72	0.73
1081704	Soil		80.00	310.0	1.10	39.29	5.81	40.9	342	23.5	7.2	134	1.43	4.2	0.8	2.0	<0.1	34.1	1.07	0.48
1081705	Soil		50.00	330.0	1.41	22.67	7.65	49.5	147	16.6	19.1	988	1.93	4.8	1.1	2.0	1.0	43.8	0.27	0.58



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Report Date: October 25, 2011

Page: 3 of 9 Part 2

CERTIFICATE OF ANALYSIS

WHI11001343.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1081662	Soil	1.55	0.083	8.5	19.6	0.35	205.5	0.030	3	0.91	0.016	0.05	0.1	1.8	0.10	0.14	92	0.4	0.03	2.8	0.65
1081663	Soil	1.53	0.066	8.9	10.8	0.20	195.8	0.016	3	0.62	0.009	0.04	<0.1	1.3	0.07	0.14	85	0.4	<0.02	1.4	0.40
1081664	Soil	1.71	0.082	16.6	22.1	0.30	201.9	0.032	3	1.27	0.016	0.05	0.1	2.8	0.15	0.13	92	0.7	0.05	3.6	0.83
1081665	Soil	0.60	0.117	9.2	16.3	0.22	135.8	0.023	2	0.75	0.013	0.04	0.1	1.9	0.09	0.13	113	0.4	0.03	2.2	0.52
1081666	Soil	2.07	0.087	6.5	21.6	0.50	178.2	0.034	6	1.04	0.020	0.05	<0.1	2.2	0.11	0.20	77	0.4	0.02	3.0	0.97
1081667	Soil	0.49	0.099	8.0	24.3	0.32	237.4	0.035	2	1.02	0.018	0.06	<0.1	2.2	0.12	0.09	95	0.5	0.03	3.7	0.82
1081668	Soil	0.41	0.111	9.0	16.5	0.20	108.5	0.020	2	0.80	0.012	0.02	<0.1	1.3	0.08	0.13	107	0.5	0.02	2.5	0.51
1081669	Soil	1.10	0.102	11.2	22.0	0.34	193.1	0.039	2	1.08	0.014	0.04	<0.1	2.8	0.11	0.10	90	0.4	0.03	3.0	0.77
1081670 BAL-1	Soil	0.64	0.061	20.6	28.4	0.22	57.6	0.005	7	1.35	0.009	0.09	<0.1	4.4	0.40	0.06	85	1.8	<0.02	3.6	1.09
1081671	Soil	1.22	0.088	20.0	21.4	0.34	177.0	0.036	3	1.16	0.013	0.05	0.1	3.0	0.12	0.12	88	0.6	0.05	2.9	0.84
1081672	Soil	1.27	0.078	15.3	21.6	0.41	198.0	0.049	3	1.12	0.014	0.05	0.1	3.0	0.13	0.10	106	0.4	0.04	3.1	1.05
1081673	Soil	1.06	0.064	12.7	31.4	0.53	149.1	0.073	2	1.36	0.019	0.07	0.2	3.7	0.10	0.06	43	0.4	0.02	4.3	0.95
1081674	Soil	0.89	0.108	16.0	25.7	0.37	188.7	0.037	2	1.06	0.016	0.05	<0.1	2.6	0.13	0.11	75	0.5	0.04	3.4	0.69
1081675	Soil	0.79	0.093	12.0	35.2	0.58	128.1	0.083	2	1.35	0.021	0.08	0.1	4.1	0.12	0.05	39	0.4	0.05	4.4	1.45
1081676	Soil	1.11	0.042	8.9	23.7	0.37	59.3	0.063	1	0.79	0.020	0.06	0.1	2.7	0.09	0.05	45	0.6	0.04	3.4	1.07
1081677	Soil	0.37	0.090	11.3	24.2	0.32	100.1	0.054	2	1.00	0.016	0.05	0.1	2.8	0.09	0.06	64	0.3	0.02	3.5	1.05
1081678	Soil	1.24	0.113	19.9	26.5	0.47	169.7	0.050	3	1.34	0.027	0.06	0.2	3.9	0.17	0.11	89	1.0	0.04	3.8	1.31
1081679	Soil	1.30	0.100	15.0	30.8	0.52	161.7	0.048	2	1.23	0.021	0.08	0.2	3.3	0.13	0.07	59	0.6	0.03	3.8	1.54
1081680	Soil	0.17	0.057	9.3	18.1	0.23	107.9	0.042	1	0.79	0.015	0.04	<0.1	1.7	0.07	0.03	32	0.2	0.04	3.7	0.96
1081681	Soil	0.84	0.077	10.9	27.1	0.40	128.8	0.056	2	1.08	0.016	0.06	0.1	3.2	0.13	0.08	75	0.7	0.03	3.7	1.05
1081682	Soil	0.97	0.090	15.4	23.6	0.32	190.7	0.040	2	1.12	0.015	0.04	0.1	3.6	0.19	0.10	75	1.2	0.05	3.1	0.92
1081683	Soil	1.33	0.108	11.2	23.8	0.38	164.5	0.039	3	1.00	0.014	0.05	0.1	2.5	0.14	0.11	62	1.1	0.04	3.0	1.06
1081684	Soil	0.76	0.062	7.0	15.4	0.19	79.2	0.012	<1	0.53	0.012	0.03	<0.1	0.5	0.04	0.09	41	0.3	<0.02	2.2	0.51
1081685	Soil	1.71	0.087	13.5	19.2	0.27	194.0	0.027	2	1.00	0.020	0.04	0.1	2.2	0.10	0.10	63	0.9	<0.02	3.0	0.67
1081686	Soil	1.31	0.102	11.5	26.7	0.46	142.2	0.048	3	0.98	0.019	0.06	0.1	2.6	0.13	0.11	71	0.5	0.04	3.1	1.20
1081701	Soil	0.90	0.092	15.4	24.6	0.50	143.6	0.049	2	1.19	0.022	0.06	0.1	3.2	0.12	0.13	93	0.6	<0.02	3.7	1.14
1081702	Soil	0.86	0.082	13.9	11.4	0.23	125.5	0.023	2	0.52	0.011	0.05	<0.1	1.5	0.03	0.13	85	0.4	<0.02	1.4	0.49
1081703	Soil	1.58	0.095	29.6	10.8	0.26	160.4	0.022	3	0.69	0.012	0.05	<0.1	1.5	0.08	0.16	105	0.5	<0.02	1.5	0.47
1081704	Soil	0.36	0.087	18.4	17.0	0.23	115.6	0.015	<1	0.78	0.016	0.06	<0.1	0.7	0.06	0.08	53	0.3	<0.02	2.5	0.64
1081705	Soil	0.57	0.089	11.8	21.9	0.45	114.8	0.058	2	1.23	0.013	0.06	<0.1	3.1	0.12	0.09	95	0.3	<0.02	3.9	1.17



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Project: 210800
Report Date: October 25, 2011

Page: 3 of 9 Part 3

CERTIFICATE OF ANALYSIS

WHI11001343.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	0.1	10	2
1081662	Soil	<0.1	0.02	0.78	5.8	0.3	<0.05	1.2	7.63	17.9	<0.02	<1	0.2	4.9	<10	<2	55.3
1081663	Soil	<0.1	0.03	0.37	3.5	0.7	<0.05	1.5	9.38	17.7	<0.02	<1	0.3	1.4	<10	<2	78.8
1081664	Soil	<0.1	0.03	0.92	8.7	0.4	<0.05	1.7	17.23	29.1	<0.02	<1	0.4	5.9	<10	<2	54.4
1081665	Soil	<0.1	<0.02	0.57	4.0	0.3	<0.05	0.8	6.33	20.2	<0.02	<1	0.2	2.9	<10	<2	66.8
1081666	Soil	<0.1	0.02	0.81	9.1	0.4	<0.05	1.4	5.96	13.8	<0.02	2	0.2	7.9	<10	<2	54.0
1081667	Soil	<0.1	<0.02	0.58	6.9	0.4	<0.05	0.7	5.23	26.1	0.02	<1	0.2	5.3	<10	<2	42.7
1081668	Soil	<0.1	0.03	0.63	3.6	0.8	<0.05	1.2	6.12	16.5	0.03	<1	0.2	3.0	<10	<2	53.4
1081669	Soil	<0.1	0.03	0.82	7.1	0.6	<0.05	1.4	8.44	22.6	0.02	<1	0.3	6.3	<10	<2	50.3
1081670 BAL-1	Soil	<0.1	0.06	0.36	9.3	0.7	<0.05	2.3	20.49	32.0	0.03	<1	0.7	11.5	<10	<2	12.8
1081671	Soil	<0.1	0.05	0.93	8.1	0.6	<0.05	2.5	15.51	34.9	0.03	<1	0.5	6.5	<10	<2	54.2
1081672	Soil	<0.1	0.05	1.12	10.0	0.5	<0.05	2.3	11.89	29.9	0.02	<1	0.3	8.0	<10	<2	52.0
1081673	Soil	<0.1	0.07	1.56	9.9	0.5	<0.05	3.2	7.56	21.6	0.03	<1	0.3	11.9	<10	<2	31.7
1081674	Soil	<0.1	0.02	0.80	6.2	0.5	<0.05	1.0	11.63	33.9	<0.02	<1	0.4	6.3	<10	<2	50.2
1081675	Soil	<0.1	0.05	1.58	11.3	0.5	<0.05	2.9	6.63	22.0	0.02	<1	0.3	11.8	<10	<2	29.1
1081676	Soil	<0.1	0.06	1.31	7.7	0.6	<0.05	3.0	4.14	15.7	<0.02	<1	0.2	6.8	<10	<2	29.9
1081677	Soil	<0.1	0.03	1.00	7.6	0.4	<0.05	1.8	6.41	20.5	0.02	<1	0.3	6.0	<10	<2	35.9
1081678	Soil	0.1	<0.02	0.88	10.5	1.2	<0.05	1.1	14.43	34.6	<0.02	<1	0.4	6.9	<10	<2	46.7
1081679	Soil	<0.1	0.04	1.33	12.7	0.4	<0.05	1.7	11.50	24.9	0.02	<1	0.4	9.4	<10	<2	38.5
1081680	Soil	<0.1	<0.02	0.73	9.3	0.8	<0.05	0.7	4.02	17.0	<0.02	<1	0.2	4.7	<10	<2	22.2
1081681	Soil	<0.1	0.03	1.19	10.6	0.4	<0.05	1.6	6.21	19.6	0.03	1	0.2	8.6	<10	<2	41.9
1081682	Soil	<0.1	0.02	0.83	9.2	0.4	<0.05	1.1	11.28	32.7	0.02	2	0.4	6.2	<10	<2	48.0
1081683	Soil	<0.1	0.03	1.10	7.9	0.5	<0.05	1.6	7.51	19.4	0.02	<1	0.4	7.2	<10	<2	52.6
1081684	Soil	<0.1	<0.02	0.39	4.3	0.4	<0.05	0.3	3.73	11.8	<0.02	<1	0.2	1.9	<10	<2	47.4
1081685	Soil	<0.1	0.03	0.72	5.9	0.3	<0.05	1.3	11.74	19.9	0.02	1	0.4	3.9	<10	<2	48.6
1081686	Soil	<0.1	0.03	1.16	9.6	0.7	<0.05	1.5	7.33	19.8	0.02	1	0.3	7.1	<10	<2	47.4
1081701	Soil	<0.1	0.03	0.74	11.2	2.3	<0.05	1.1	10.75	29.3	0.03	<1	0.4	7.2	<10	<2	50.7
1081702	Soil	<0.1	0.03	0.45	3.3	0.8	<0.05	1.4	10.20	23.1	<0.02	<1	0.3	2.2	<10	<2	I.S.
1081703	Soil	<0.1	0.03	0.46	5.7	1.0	<0.05	1.7	19.29	35.3	<0.02	<1	0.2	2.5	<10	<2	71.3
1081704	Soil	<0.1	<0.02	0.48	6.7	1.1	<0.05	0.4	8.73	31.1	0.03	<1	0.4	3.2	<10	<2	46.9
1081705	Soil	<0.1	0.03	1.18	10.4	0.8	<0.05	1.7	6.85	21.2	0.02	<1	0.2	7.9	<10	<2	46.9



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Project: 210800
Report Date: October 25, 2011

Page: 4 of 9 Part 1

CERTIFICATE OF ANALYSIS

WHI11001343.1

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1081706	Soil	70.00	250.0	1.30	25.16	6.46	47.1	171	16.8	10.1	345	1.91	15.9	1.3	3.1	0.9	41.7	0.24	0.61	0.14
1081707	Soil	60.00	285.0	1.30	27.22	6.00	35.4	231	13.6	7.7	285	1.21	5.5	1.1	1.9	0.3	67.3	0.47	0.61	0.12
1081708	Soil	50.00	375.0	0.89	28.48	5.50	65.2	92	19.8	9.8	672	1.91	7.3	1.0	4.2	1.6	55.3	0.30	0.73	0.13
1081709	Soil	155.0	355.0	0.71	28.72	6.62	59.6	60	25.5	10.1	357	2.13	8.5	0.8	1.8	1.1	51.7	0.40	0.60	0.14
1081710 BAL-1	Soil	N.A.	N.A.	1.31	19.34	25.81	95.2	101	35.1	6.6	302	1.91	5.2	1.5	<0.2	2.1	32.6	1.89	0.87	0.12
1081711	Soil	40.00	280.0	1.38	14.35	3.01	25.9	139	9.7	2.8	71	0.82	2.7	0.4	0.4	0.4	51.5	0.83	0.55	0.07
1081712	Soil	45.00	230.0	1.00	30.01	7.13	48.4	158	17.4	18.0	1441	1.47	5.0	1.7	1.8	0.6	73.1	0.97	0.81	0.12
1081713	Soil	50.00	345.0	1.71	33.88	6.77	47.9	162	19.5	7.7	239	1.85	9.9	1.2	4.5	1.2	46.0	0.34	1.03	0.36
1081714	Soil	35.00	305.0	1.35	18.59	4.11	34.5	68	11.9	13.9	543	1.28	3.3	0.6	1.2	0.2	39.0	0.27	0.50	0.18
1081715	Soil	75.00	210.0	1.10	24.75	4.27	36.2	86	15.9	6.1	179	1.25	4.0	0.7	2.0	0.1	60.9	0.52	0.64	0.12
1081716	Soil	45.00	330.0	2.33	34.52	6.36	42.5	261	20.0	28.6	1286	2.00	6.3	1.2	2.1	0.2	60.0	0.60	0.89	0.14
1081717	Soil	125.0	315.0	1.52	39.06	5.00	27.8	272	14.0	4.2	93	1.73	4.6	1.4	2.7	0.4	56.5	0.11	0.67	0.11
1081718	Soil	80.00	400.0	1.67	20.61	4.57	32.3	86	15.6	4.6	152	1.30	6.1	1.2	8.6	0.3	64.6	0.37	0.64	0.51
1081719	Soil	40.00	255.0	3.31	19.48	7.10	33.5	185	13.7	384.5	>10000	2.21	5.9	1.6	4.9	0.2	49.0	0.72	1.41	0.12
1081720	Soil	60.00	395.0	3.05	22.72	5.70	31.4	123	17.0	32.5	1069	2.33	7.2	1.5	6.9	0.6	30.9	0.20	0.70	0.18
1081721	Soil	70.00	270.0	1.35	17.41	2.84	26.1	106	12.6	17.7	1229	1.31	4.0	1.0	3.6	0.1	79.7	0.39	0.75	0.16
1081722	Soil	35.00	220.0	1.57	18.26	3.48	26.0	116	12.7	18.9	1101	1.11	3.6	0.8	2.8	0.1	76.2	0.38	0.67	0.15
1081723	Soil	70.00	330.0	1.26	17.75	4.82	28.4	158	15.3	6.2	239	1.78	6.7	1.6	4.3	0.4	36.0	0.24	0.55	0.17
1081724	Soil	65.00	230.0	1.15	23.02	6.02	35.5	110	16.9	9.5	568	1.51	7.3	1.3	4.4	0.5	53.9	0.57	0.78	0.18
1081725	Soil	75.00	280.0	1.07	29.80	5.08	56.5	77	17.8	7.1	208	1.54	6.8	1.0	3.3	0.7	65.1	0.99	0.63	0.20
1081726	Soil	60.00	235.0	1.14	28.77	5.68	53.9	156	18.4	8.1	859	1.32	5.0	0.8	4.0	0.5	77.5	1.20	0.69	0.17
1081727	Soil	30.00	190.0	2.63	22.35	9.17	39.3	211	16.5	62.8	6445	2.30	8.6	1.4	9.0	0.6	62.6	1.08	1.23	0.18
1081728	Soil	35.00	275.0	1.41	21.49	6.49	40.2	24	12.4	4.9	603	1.06	4.0	0.8	5.0	0.7	68.1	0.79	0.60	0.17
1081729	Soil	20.00	250.0	0.91	26.82	6.88	46.8	361	16.6	10.4	355	1.20	11.0	0.9	1.5	0.4	61.0	1.37	0.59	0.21
1081730 Agi Dagi B	Soil	N.A.	N.A.	3.09	8.36	27.58	16.9	34	11.2	3.5	100	3.72	64.6	0.8	106.6	4.4	36.9	0.02	1.05	2.02
1081731	Soil	38.00	265.0	1.35	19.65	4.56	57.1	128	15.7	5.6	245	1.57	5.8	0.7	1.6	0.3	53.5	1.46	0.64	0.38
1081732	Soil	21.00	244.0	1.12	12.21	2.97	19.6	63	8.6	4.1	45	1.05	3.0	0.4	1.8	<0.1	29.5	0.20	0.47	0.21
1081733	Soil	39.00	244.0	2.96	19.08	8.27	37.1	105	15.0	87.5	6543	2.03	8.1	1.1	1.8	0.4	53.8	0.65	0.93	0.13
1081734	Soil	35.00	319.0	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1081751	Soil	33.00	434.0	0.92	22.06	7.10	54.0	93	21.7	12.6	793	2.30	6.3	1.7	0.3	1.4	41.2	0.34	0.57	0.16



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Project: 210800
Report Date: October 25, 2011

Page: 4 of 9 Part 2

CERTIFICATE OF ANALYSIS

WHI11001343.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1081706	Soil	0.65	0.077	15.4	19.6	0.42	120.9	0.058	2	1.33	0.012	0.06	0.1	3.2	0.12	0.08	63	0.3	<0.02	3.9	1.29
1081707	Soil	1.60	0.092	10.7	15.7	0.26	87.9	0.025	2	0.67	0.013	0.05	<0.1	1.4	0.06	0.13	73	0.4	0.02	2.0	0.66
1081708	Soil	1.97	0.082	14.9	23.4	0.46	154.1	0.050	3	1.17	0.022	0.06	<0.1	3.3	0.12	0.10	53	0.5	0.03	3.5	1.32
1081709	Soil	2.51	0.055	10.1	30.1	0.49	125.0	0.073	4	1.45	0.025	0.05	<0.1	3.8	0.08	0.08	46	0.3	<0.02	4.1	0.61
1081710 BAL-1	Soil	0.65	0.066	21.2	29.5	0.23	61.7	0.007	7	1.47	0.009	0.10	<0.1	4.4	0.42	0.06	103	1.3	<0.02	3.8	1.18
1081711	Soil	1.27	0.072	5.1	9.0	0.19	75.9	0.024	2	0.41	0.013	0.03	<0.1	1.4	0.04	0.14	51	0.4	0.03	1.0	0.41
1081712	Soil	1.20	0.097	19.0	14.2	0.28	192.5	0.036	3	1.01	0.012	0.05	<0.1	2.6	0.09	0.14	122	0.3	<0.02	2.5	0.49
1081713	Soil	0.62	0.075	12.4	24.4	0.36	112.3	0.051	1	1.08	0.019	0.05	<0.1	3.2	0.06	0.08	57	0.4	0.04	3.7	1.12
1081714	Soil	0.45	0.089	8.6	13.7	0.23	92.3	0.031	2	0.68	0.016	0.05	0.1	1.8	0.07	0.11	64	0.4	<0.02	2.1	0.66
1081715	Soil	0.75	0.100	14.1	15.1	0.25	118.2	0.023	2	0.85	0.012	0.04	<0.1	1.5	0.06	0.12	130	0.4	0.04	2.1	0.59
1081716	Soil	0.73	0.149	12.8	21.2	0.27	159.0	0.024	2	1.01	0.017	0.03	<0.1	2.3	0.11	0.14	125	0.7	<0.02	2.9	0.82
1081717	Soil	0.83	0.100	28.9	17.7	0.22	272.5	0.029	2	1.19	0.014	0.03	0.1	2.6	0.08	0.10	62	0.4	<0.02	2.9	0.83
1081718	Soil	0.96	0.087	7.8	15.8	0.30	221.8	0.025	4	0.79	0.012	0.05	0.1	1.5	0.08	0.12	88	0.4	0.04	1.9	0.97
1081719	Soil	0.70	0.123	10.0	10.3	0.16	388.2	0.015	3	0.56	0.010	0.04	<0.1	1.7	0.40	0.12	124	0.5	0.04	2.8	0.35
1081720	Soil	0.39	0.094	9.8	23.0	0.34	130.4	0.034	2	0.98	0.014	0.04	<0.1	2.3	0.10	0.10	99	0.6	<0.02	3.7	0.56
1081721	Soil	1.53	0.091	7.6	9.7	0.33	136.7	0.015	4	0.48	0.008	0.03	<0.1	1.0	0.07	0.14	109	0.5	0.04	1.2	0.28
1081722	Soil	1.47	0.088	6.7	10.8	0.34	133.2	0.016	3	0.53	0.011	0.03	<0.1	0.9	0.11	0.15	123	0.2	<0.02	1.5	0.41
1081723	Soil	0.58	0.086	8.8	18.9	0.30	116.8	0.027	2	0.78	0.012	0.03	<0.1	1.6	0.11	0.11	83	0.2	0.04	2.3	0.74
1081724	Soil	1.09	0.080	10.1	17.6	0.31	142.7	0.029	3	0.73	0.013	0.05	<0.1	1.7	0.08	0.11	100	0.5	<0.02	1.8	0.70
1081725	Soil	1.98	0.073	7.6	22.5	0.47	118.4	0.036	4	0.84	0.016	0.09	<0.1	1.8	0.08	0.14	79	0.4	0.03	2.3	0.81
1081726	Soil	1.81	0.085	10.3	17.0	0.40	202.8	0.026	4	0.78	0.015	0.06	0.2	1.2	0.09	0.13	104	0.3	0.05	1.9	0.65
1081727	Soil	1.05	0.119	12.9	16.7	0.29	263.5	0.029	6	0.80	0.012	0.05	0.1	2.2	0.18	0.14	167	0.7	0.05	2.6	0.62
1081728	Soil	1.40	0.062	13.4	14.1	0.28	207.0	0.029	5	0.52	0.015	0.07	0.2	1.4	0.07	0.13	122	0.2	0.08	1.7	1.18
1081729	Soil	1.14	0.070	8.4	17.0	0.31	132.7	0.032	5	0.78	0.011	0.06	<0.1	1.7	0.07	0.14	157	0.5	0.09	2.1	1.10
1081730 Agi Dagi B	Soil	0.04	0.021	9.0	23.0	0.16	73.0	0.022	2	1.07	0.002	0.07	0.2	2.1	0.10	0.03	38	2.6	0.44	8.8	0.90
1081731	Soil	0.87	0.089	8.3	19.8	0.39	108.4	0.030	2	0.84	0.018	0.07	<0.1	1.3	0.08	0.11	96	0.5	0.03	2.8	0.57
1081732	Soil	0.36	0.073	4.6	10.1	0.13	57.0	0.022	1	0.45	0.009	0.04	<0.1	0.8	0.04	0.11	100	0.5	0.05	1.4	0.37
1081733	Soil	0.87	0.110	9.3	13.3	0.27	181.8	0.026	2	0.68	0.012	0.04	<0.1	1.9	0.14	0.14	142	0.5	0.04	1.9	0.46
1081734	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
1081751	Soil	0.63	0.075	13.4	32.1	0.50	181.8	0.084	2	1.51	0.017	0.06	0.1	3.4	0.09	0.05	42	0.3	0.07	4.8	0.95



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Project: 210800
Report Date: October 25, 2011

Page: 4 of 9 **Part** 3

CERTIFICATE OF ANALYSIS

WHI11001343.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1081706	Soil	<0.1	0.05	1.27	9.1	0.7	<0.05	2.4	9.13	25.3	0.03	<1	0.3	8.4	<10	<2	55.7
1081707	Soil	<0.1	0.04	0.63	4.8	0.4	<0.05	1.8	6.24	18.5	<0.02	<1	0.2	3.5	<10	<2	62.6
1081708	Soil	<0.1	0.05	1.03	10.4	0.5	<0.05	2.7	9.20	20.5	<0.02	<1	0.4	9.7	<10	<2	43.0
1081709	Soil	<0.1	0.10	1.44	6.9	0.5	<0.05	5.1	8.33	17.6	0.03	<1	0.3	11.8	<10	<2	40.6
1081710 BAL-1	Soil	<0.1	0.05	0.30	9.9	0.8	<0.05	2.4	21.40	32.1	0.03	<1	0.5	12.6	<10	<2	12.9
1081711	Soil	<0.1	0.03	0.37	3.1	1.7	<0.05	1.7	3.75	8.9	<0.02	<1	0.2	1.7	<10	<2	73.3
1081712	Soil	<0.1	0.03	0.70	5.7	0.4	<0.05	1.7	13.65	37.7	<0.02	<1	0.4	4.7	<10	<2	66.9
1081713	Soil	<0.1	0.06	1.14	9.3	0.5	<0.05	3.1	7.06	21.3	0.02	<1	0.3	7.2	<10	<2	40.4
1081714	Soil	<0.1	<0.02	0.54	5.2	0.7	<0.05	1.8	5.55	15.3	<0.02	<1	0.2	3.2	<10	<2	61.7
1081715	Soil	<0.1	<0.02	0.54	4.3	0.5	<0.05	1.2	9.87	24.6	<0.02	<1	0.3	3.1	<10	<2	65.4
1081716	Soil	<0.1	<0.02	0.55	4.9	0.5	<0.05	1.0	9.54	24.2	0.02	<1	0.3	4.6	<10	<2	60.3
1081717	Soil	<0.1	0.03	0.76	4.1	0.4	<0.05	1.8	14.35	44.4	<0.02	<1	0.3	3.8	<10	<2	52.5
1081718	Soil	0.1	0.05	0.72	4.1	2.2	<0.05	2.0	5.90	15.0	0.05	<1	0.2	3.4	<10	<2	61.0
1081719	Soil	<0.1	<0.02	0.23	2.5	0.7	<0.05	0.2	6.82	37.7	<0.02	<1	0.2	1.2	<10	<2	76.4
1081720	Soil	<0.1	<0.02	0.85	3.8	0.5	<0.05	1.1	5.98	19.0	0.02	<1	0.3	4.5	<10	<2	46.9
1081721	Soil	<0.1	<0.02	0.34	2.0	0.7	<0.05	0.7	6.09	14.4	<0.02	<1	0.1	1.3	<10	<2	75.5
1081722	Soil	<0.1	0.03	0.39	3.6	1.0	<0.05	0.7	5.04	13.6	<0.02	<1	0.2	1.8	<10	<2	69.5
1081723	Soil	<0.1	0.03	0.85	4.6	0.5	<0.05	1.2	5.23	17.0	<0.02	<1	0.2	3.7	<10	<2	54.3
1081724	Soil	0.1	0.03	0.82	5.0	1.1	<0.05	1.5	6.81	19.5	<0.02	<1	0.2	3.7	<10	<2	60.2
1081725	Soil	<0.1	0.07	1.00	7.5	0.7	<0.05	3.6	5.30	13.1	<0.02	1	0.2	5.7	<10	<2	60.3
1081726	Soil	<0.1	0.02	0.77	5.2	2.7	<0.05	1.4	7.66	18.8	0.02	<1	0.5	4.1	<10	<2	58.9
1081727	Soil	0.1	<0.02	0.46	5.5	2.6	<0.05	0.2	8.77	31.3	0.03	2	0.3	2.7	<10	<2	67.2
1081728	Soil	<0.1	0.04	0.56	6.4	5.3	<0.05	1.1	8.33	22.9	<0.02	3	0.4	2.6	<10	<2	62.3
1081729	Soil	<0.1	0.03	0.64	6.7	3.1	<0.05	1.1	5.92	16.2	<0.02	<1	0.3	3.9	<10	<2	68.1
1081730 Agi Dagi B	Soil	0.2	0.10	0.42	10.1	0.5	<0.05	6.6	2.68	17.9	0.03	<1	0.3	6.7	<10	<2	10.6
1081731	Soil	0.1	0.02	0.82	6.9	0.8	<0.05	1.3	4.52	15.1	<0.02	<1	0.2	4.5	<10	<2	50.2
1081732	Soil	0.2	<0.02	0.52	3.0	0.9	<0.05	0.4	2.73	9.0	0.04	<1	<0.1	1.0	<10	5	65.5
1081733	Soil	0.1	<0.02	0.44	4.6	0.3	<0.05	0.4	6.10	22.0	<0.02	<1	0.3	2.6	<10	<2	67.6
1081734	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	63.9
1081751	Soil	0.1	0.03	1.08	10.6	1.0	<0.05	1.4	9.27	28.0	<0.02	<1	0.4	10.2	<10	<2	25.3



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Report Date: October 25, 2011

Page: 5 of 9 Part 1

CERTIFICATE OF ANALYSIS

WHI11001343.1

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1081752	Soil	27.00	340.0	1.09	14.10	3.91	20.9	17	11.5	4.8	87	1.29	3.8	1.8	2.8	0.5	36.1	0.16	0.43	0.15
1081753	Soil	37.00	419.0	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1081754	Soil	65.00	391.0	1.13	18.92	3.26	26.8	55	12.7	4.4	141	1.19	4.1	0.7	1.8	0.3	52.8	0.27	0.52	0.13
1081755	Soil	70.00	295.0	1.18	38.82	4.59	65.2	115	27.0	12.3	2150	1.69	7.7	1.8	1.1	0.5	103.4	1.26	1.20	0.15
1081756	Soil	60.00	275.0	1.25	32.22	3.68	46.0	135	17.8	6.5	762	1.07	5.9	2.3	1.7	0.3	105.8	0.90	0.75	0.11
1081757	Soil	35.00	250.0	1.32	12.62	3.47	21.3	97	10.0	3.6	44	1.01	3.7	0.4	1.7	0.1	30.6	0.68	0.47	0.11
1081758	Soil	55.00	360.0	1.42	15.42	4.72	29.9	125	12.7	4.8	95	1.37	4.7	0.8	0.8	0.3	35.4	0.15	0.56	0.14
1081759	Soil	40.00	370.0	1.26	21.69	8.44	46.9	185	17.0	16.6	1073	1.82	6.0	2.0	1.4	1.7	50.3	0.35	0.85	0.20
1081760	Soil	55.00	305.0	0.77	18.49	5.66	49.5	75	15.9	8.6	334	1.53	6.3	0.9	0.7	0.7	47.5	0.70	0.70	0.17
1081761	Soil	85.00	300.0	0.90	24.78	4.69	39.9	103	18.8	4.9	159	1.52	7.0	0.9	2.9	0.8	79.4	0.46	0.71	0.16
1081762	Soil	50.00	240.0	0.97	25.04	5.54	32.5	116	15.5	5.6	150	1.44	6.3	1.5	0.2	0.7	72.8	0.37	0.66	0.16
1081763	Soil	60.00	365.0	1.13	31.60	2.71	33.3	221	21.2	11.0	1905	1.55	3.8	1.7	3.3	0.2	87.9	0.47	0.71	0.08
1081764	Soil	45.00	255.0	1.31	15.15	2.62	27.6	86	12.8	18.9	1031	2.01	5.2	0.6	1.3	0.2	57.3	0.44	0.58	0.08
1081765	Soil	110.0	350.0	1.47	34.61	5.83	34.0	286	22.8	9.8	537	2.33	5.8	1.3	2.3	0.3	51.7	0.25	0.67	0.13
1081766	Soil	45.00	205.0	1.39	21.53	2.88	28.3	138	13.8	17.4	2918	1.29	3.2	0.9	0.7	0.1	74.3	0.87	0.64	0.07
1081767	Soil	70.00	285.0	1.59	24.91	4.71	41.2	101	17.5	14.5	2287	1.45	4.7	1.1	1.6	0.3	82.3	0.63	0.73	0.08
1081768	Soil	50.00	280.0	1.14	19.48	2.64	33.4	221	12.2	3.7	169	1.05	3.4	0.5	0.4	0.2	72.0	0.44	0.51	0.09
1081769	Soil	85.00	275.0	1.04	18.65	6.74	49.7	108	17.7	13.0	618	2.15	6.0	1.1	1.1	1.0	43.7	0.21	0.57	0.14
1081770 BAL-1	Soil	N.A.	N.A.	1.35	16.34	24.07	77.5	98	30.1	6.3	257	1.82	3.6	1.4	8.9	1.6	30.8	1.89	0.87	1.19
1081771	Soil	75.00	395.0	1.48	16.66	4.64	37.4	112	13.8	5.5	183	1.51	4.9	0.8	4.1	0.2	26.3	0.37	0.57	0.32
1081772	Soil	80.00	235.0	1.05	18.42	3.89	18.3	77	14.8	6.7	118	1.25	2.7	0.5	6.2	0.2	51.0	0.14	0.44	0.25
1081773	Soil	70.00	305.0	1.08	19.24	5.33	49.8	127	16.2	8.2	609	1.45	4.9	0.6	5.7	0.3	46.9	0.75	0.51	0.22
1081774	Soil	40.00	230.0	1.05	11.36	3.00	37.8	185	9.5	3.0	60	0.93	3.3	0.3	5.6	0.2	24.1	0.38	0.46	0.18
1081775	Soil	95.00	405.0	1.20	23.40	5.01	36.7	118	17.4	8.0	750	1.60	5.9	1.4	4.1	0.4	74.4	0.19	0.76	0.17
1081776	Soil	50.00	305.0	1.52	21.55	4.95	43.1	351	15.6	5.9	153	1.49	6.1	0.9	4.6	0.5	44.6	0.67	0.68	0.18
1075944	Soil	55.00	180.0	0.99	20.61	4.67	50.2	128	19.5	10.8	411	1.83	7.5	5.3	4.6	2.1	43.1	0.41	0.35	0.12
1075945	Soil	65.00	230.0	1.16	28.70	5.30	57.4	127	22.6	9.2	399	2.11	10.3	10.0	7.3	2.4	68.1	0.61	0.37	0.13
1075946	Soil	50.00	285.0	1.69	34.77	3.55	70.6	108	23.5	15.6	2652	1.60	6.3	0.5	6.4	0.2	50.6	0.65	0.59	0.09
1075947	Soil	130.0	350.0	1.40	106.6	23.06	92.5	400	40.5	52.3	3320	3.42	70.2	1.3	20.9	1.7	55.3	1.67	1.17	0.68
1075948	Soil	145.0	350.0	1.27	66.46	18.63	67.8	192	28.9	12.0	174	2.22	53.9	1.0	26.2	1.8	36.2	0.35	0.91	0.54



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Project: 210800
Report Date: October 25, 2011

Page: 5 of 9 Part 2

CERTIFICATE OF ANALYSIS

WHI11001343.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1081752	Soil	0.49	0.080	9.2	13.4	0.15	127.7	0.025	1	0.68	0.009	0.03	<0.1	1.6	0.06	0.13	112	0.2	<0.02	1.5	0.57
1081753	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1081754	Soil	1.32	0.069	6.0	17.5	0.29	115.7	0.024	2	0.62	0.013	0.04	<0.1	1.1	0.06	0.11	95	0.4	0.05	1.6	0.59
1081755	Soil	1.99	0.083	16.7	18.3	0.40	277.8	0.025	3	1.25	0.015	0.05	<0.1	1.7	0.09	0.14	87	0.4	0.04	2.0	0.48
1081756	Soil	2.87	0.073	6.0	14.4	0.32	162.8	0.020	5	0.62	0.013	0.04	<0.1	1.0	0.07	0.16	77	0.6	0.04	1.6	0.43
1081757	Soil	0.49	0.066	4.3	12.0	0.15	81.8	0.019	1	0.41	0.008	0.04	<0.1	0.9	0.05	0.11	64	0.3	0.03	1.5	0.38
1081758	Soil	0.57	0.076	6.9	19.7	0.26	90.0	0.029	2	0.68	0.012	0.05	<0.1	1.4	0.07	0.11	69	0.2	0.05	2.3	0.77
1081759	Soil	0.87	0.077	13.0	22.7	0.46	182.5	0.046	2	1.02	0.014	0.08	0.1	2.6	0.13	0.09	106	0.2	0.07	2.9	1.16
1081760	Soil	0.93	0.061	9.2	23.2	0.41	134.8	0.041	2	0.93	0.013	0.07	0.1	1.9	0.08	0.09	93	0.2	0.03	2.7	0.99
1081761	Soil	1.88	0.051	7.8	21.3	0.43	135.4	0.039	2	0.93	0.014	0.06	<0.1	1.9	0.07	0.10	77	0.3	0.06	2.9	0.87
1081762	Soil	1.66	0.056	9.8	18.8	0.37	127.5	0.033	2	0.89	0.013	0.05	0.1	1.7	0.05	0.12	64	0.5	0.02	2.2	0.88
1081763	Soil	1.58	0.090	14.3	17.3	0.30	193.2	0.019	1	1.03	0.016	0.03	<0.1	1.6	0.09	0.14	102	0.6	<0.02	1.8	0.44
1081764	Soil	0.97	0.114	7.6	15.4	0.30	123.1	0.021	2	0.69	0.013	0.04	<0.1	1.2	0.06	0.16	105	<0.1	<0.02	1.7	0.53
1081765	Soil	0.74	0.121	19.2	26.7	0.41	169.6	0.028	2	1.34	0.016	0.04	0.1	2.5	0.10	0.13	103	0.3	<0.02	2.9	0.86
1081766	Soil	1.38	0.107	10.2	12.9	0.28	172.7	0.016	2	0.63	0.009	0.03	<0.1	1.4	0.09	0.16	107	0.2	0.02	1.3	0.34
1081767	Soil	1.52	0.102	8.0	16.8	0.32	183.1	0.023	2	0.78	0.013	0.03	<0.1	1.4	0.15	0.15	120	0.5	<0.02	2.1	0.56
1081768	Soil	1.51	0.079	6.7	13.5	0.26	120.4	0.019	3	0.50	0.013	0.03	<0.1	1.1	0.05	0.15	91	0.3	0.05	1.3	0.52
1081769	Soil	0.72	0.084	9.6	28.1	0.49	137.3	0.058	<1	1.33	0.016	0.04	<0.1	2.6	0.08	0.08	71	0.2	0.04	3.7	0.76
1081770 BAL-1	Soil	0.62	0.056	17.7	29.2	0.17	64.8	0.004	6	1.10	0.006	0.06	<0.1	3.2	0.37	0.07	137	1.2	0.03	3.3	0.93
1081771	Soil	0.37	0.073	6.9	18.9	0.25	95.6	0.023	2	0.71	0.013	0.03	0.1	1.3	0.10	0.10	57	0.4	0.03	2.8	0.54
1081772	Soil	0.91	0.083	7.1	15.7	0.28	88.4	0.019	3	0.60	0.015	0.03	<0.1	1.2	0.08	0.14	101	0.4	0.03	2.0	0.43
1081773	Soil	1.03	0.070	6.7	20.3	0.33	124.1	0.028	2	0.75	0.014	0.05	0.1	1.5	0.09	0.10	93	0.3	<0.02	2.8	0.69
1081774	Soil	0.46	0.064	3.3	10.9	0.13	79.8	0.017	1	0.37	0.007	0.04	<0.1	1.1	0.05	0.09	120	0.2	0.03	1.4	0.36
1081775	Soil	1.59	0.092	9.0	21.2	0.38	156.4	0.025	2	0.97	0.015	0.04	<0.1	1.4	0.10	0.14	68	0.4	0.04	2.9	0.57
1081776	Soil	0.76	0.075	7.5	18.0	0.25	119.3	0.027	2	0.73	0.012	0.05	0.1	1.7	0.09	0.13	94	0.3	0.05	2.4	0.60
1075944	Soil	0.90	0.073	12.0	21.6	0.46	191.6	0.058	2	1.02	0.020	0.07	0.8	2.1	0.12	0.09	66	0.3	<0.02	3.3	0.88
1075945	Soil	1.42	0.085	16.2	25.5	0.63	231.4	0.073	3	1.31	0.023	0.10	1.2	2.6	0.15	0.09	60	0.2	<0.02	3.9	1.12
1075946	Soil	1.51	0.082	6.5	14.9	0.29	155.2	0.019	4	0.68	0.023	0.03	<0.1	1.1	0.19	0.16	69	0.6	0.03	1.8	0.33
1075947	Soil	1.20	0.083	14.2	31.4	0.72	175.5	0.035	2	1.80	0.024	0.18	0.1	3.3	0.77	0.17	84	1.4	0.11	5.2	1.42
1075948	Soil	0.64	0.059	11.8	34.4	0.75	145.0	0.037	1	1.80	0.023	0.15	0.2	3.3	0.29	0.18	46	0.9	0.08	5.6	1.37



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Project: 210800

Report Date: October 25, 2011

Page: 5 of 9 Part 3

CERTIFICATE OF ANALYSIS

WHI11001343.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1081752	Soil	<0.1	<0.02	0.49	2.5	0.8	<0.05	0.9	4.52	16.7	<0.02	<1	0.3	1.5	<10	<2	67.1
1081753	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	51.8
1081754	Soil	<0.1	0.03	0.71	3.7	0.8	<0.05	1.8	3.73	11.9	<0.02	1	0.2	2.4	<10	<2	54.2
1081755	Soil	<0.1	<0.02	0.68	5.2	0.4	<0.05	1.4	16.73	29.9	<0.02	<1	0.4	4.6	<10	<2	60.2
1081756	Soil	<0.1	0.04	0.53	3.6	1.0	<0.05	1.6	4.69	11.9	<0.02	4	0.2	2.5	<10	<2	66.2
1081757	Soil	0.1	0.03	0.46	1.9	0.7	<0.05	1.1	2.55	8.5	<0.02	1	<0.1	1.2	<10	<2	65.0
1081758	Soil	<0.1	0.02	0.84	5.3	0.5	<0.05	1.5	3.68	13.6	<0.02	1	0.2	3.0	<10	3	51.2
1081759	Soil	<0.1	0.02	1.28	8.6	0.5	<0.05	1.9	7.13	25.6	0.03	1	0.2	5.9	<10	<2	54.2
1081760	Soil	<0.1	0.03	1.11	6.9	0.6	<0.05	2.2	5.42	17.9	<0.02	<1	0.3	5.4	<10	<2	50.3
1081761	Soil	<0.1	0.07	1.11	6.5	0.4	<0.05	3.2	5.17	13.5	<0.02	1	0.2	5.4	<10	<2	52.5
1081762	Soil	<0.1	0.08	0.93	5.7	0.3	<0.05	3.0	6.17	18.4	<0.02	<1	0.2	4.1	<10	<2	61.0
1081763	Soil	<0.1	<0.02	0.44	4.2	0.1	<0.05	0.6	10.57	29.4	<0.02	1	0.4	2.4	<10	<2	59.8
1081764	Soil	<0.1	<0.02	0.52	5.0	0.2	<0.05	0.7	5.73	16.4	<0.02	<1	0.3	2.8	<10	<2	65.1
1081765	Soil	<0.1	0.02	0.82	9.7	0.2	<0.05	0.9	13.81	40.4	0.03	<1	0.5	5.6	<10	<2	49.3
1081766	Soil	<0.1	<0.02	0.31	4.1	0.2	<0.05	0.4	8.36	24.4	<0.02	1	0.2	1.9	<10	<2	71.8
1081767	Soil	<0.1	0.04	0.49	7.7	0.3	<0.05	0.8	7.07	18.2	<0.02	1	0.3	3.3	<10	<2	64.6
1081768	Soil	<0.1	0.02	0.48	3.5	0.4	<0.05	1.5	5.09	13.3	<0.02	<1	0.2	1.6	<10	<2	65.4
1081769	Soil	<0.1	0.03	1.16	6.1	0.3	<0.05	2.1	5.76	19.5	<0.02	<1	0.4	8.3	<10	<2	40.8
1081770 BAL-1	Soil	0.3	0.08	0.32	7.8	1.0	0.09	2.4	19.77	33.8	0.08	2	0.6	9.1	<10	6	12.6
1081771	Soil	<0.1	0.02	0.71	4.2	0.5	<0.05	0.8	3.84	14.3	<0.02	<1	0.2	4.0	<10	<2	41.3
1081772	Soil	<0.1	0.02	0.48	3.7	1.2	<0.05	1.2	6.15	15.2	<0.02	<1	0.1	2.8	<10	<2	62.4
1081773	Soil	<0.1	0.03	0.82	10.6	0.6	<0.05	1.2	4.76	13.6	<0.02	<1	0.2	4.6	<10	<2	48.0
1081774	Soil	<0.1	0.03	0.40	1.9	0.4	<0.05	1.0	2.06	7.0	<0.02	<1	<0.1	1.3	<10	<2	67.1
1081775	Soil	<0.1	0.04	0.79	5.4	0.4	<0.05	1.6	6.62	19.6	<0.02	<1	0.3	4.9	<10	<2	53.0
1081776	Soil	<0.1	0.02	0.80	5.6	0.4	<0.05	1.8	4.42	15.2	<0.02	<1	0.2	3.3	<10	<2	57.8
1075944	Soil	<0.1	0.07	1.34	9.6	0.6	<0.05	2.8	9.61	23.4	<0.02	<1	0.3	7.9	<10	<2	42.6
1075945	Soil	<0.1	0.07	1.73	13.3	0.4	<0.05	3.4	14.00	24.6	<0.02	<1	0.4	11.4	<10	<2	38.6
1075946	Soil	<0.1	<0.02	0.40	6.0	0.3	<0.05	0.7	8.31	15.6	<0.02	2	0.2	2.7	<10	<2	55.6
1075947	Soil	<0.1	0.02	1.16	17.6	0.4	<0.05	0.9	14.48	39.9	0.02	4	0.8	12.8	<10	<2	43.1
1075948	Soil	<0.1	0.03	1.26	15.6	0.4	<0.05	1.6	8.76	26.4	<0.02	3	0.7	13.5	<10	<2	29.2



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Report Date:

October 25, 2011

Page:

6 of 9

Part 1

CERTIFICATE OF ANALYSIS

WHI11001343.1

	Method Analyte	Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
			-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb
			g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm
			0	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
1075949	Soil		50.00	290.0	1.38	24.45	4.31	41.6	94	19.3	8.4	799	1.69	3.4	0.5	4.3	0.3	52.1	0.25	0.45
1075950 BAL-1	Soil		N.A.	N.A.	1.19	16.49	23.68	79.9	111	31.1	6.3	258	1.84	3.8	1.3	2.4	1.7	30.0	1.75	0.70
1075856	Soil		70.00	420.0	1.65	22.55	6.76	48.6	175	19.3	9.0	518	1.88	10.9	1.2	2.8	0.5	47.7	0.53	0.72
1075857	Soil		25.00	225.0	1.16	17.47	5.96	27.4	94	14.4	2.1	46	0.83	1.6	0.7	2.5	0.3	49.2	0.30	0.75
1075858	Soil		35.00	227.0	1.14	12.41	4.74	36.2	118	12.3	5.8	217	1.19	7.1	0.7	4.4	0.6	29.4	0.42	0.46
1075859	Soil		35.00	190.0	1.25	20.75	9.71	46.0	161	15.9	14.6	813	1.40	12.9	1.3	9.0	0.8	42.4	0.57	0.83
1075860	Soil		35.00	350.0	1.75	15.71	7.97	50.2	223	16.2	7.1	361	1.85	16.5	0.8	3.4	0.7	17.6	0.24	0.64
1075861	Soil		40.00	350.0	2.24	26.61	9.96	63.6	278	21.6	21.4	2261	2.75	14.5	1.8	4.3	0.9	45.9	0.75	0.79
1075862	Soil		75.00	410.0	2.11	26.18	8.02	60.6	268	20.8	15.3	1575	2.60	13.4	1.8	5.1	0.8	43.2	0.49	0.66
1075863	Soil		40.00	350.0	1.20	17.90	4.53	40.2	69	15.9	8.3	357	1.69	4.6	0.6	7.9	0.5	44.2	0.19	0.46
1075864	Soil		35.00	380.0	1.51	20.03	5.22	49.5	166	18.8	7.5	144	1.92	5.5	0.5	1.4	0.2	23.6	1.18	0.68
1075865	Soil		30.00	315.0	1.20	18.06	3.31	25.5	237	12.5	9.7	61	1.27	3.9	1.0	2.8	0.2	31.8	0.23	0.48
1075866	Soil		30.00	305.0	1.53	16.88	4.85	40.6	163	13.5	5.8	148	1.48	6.5	0.6	4.3	0.2	41.9	0.40	0.51
1075867	Soil		20.00	280.0	0.84	18.68	5.52	58.1	95	16.9	8.3	554	1.62	4.3	1.1	1.4	1.0	56.4	0.60	0.45
1075868	Soil		70.00	440.0	0.67	17.59	5.81	49.5	100	15.8	7.6	363	1.50	3.0	1.3	2.5	1.0	53.9	0.29	0.42
1075869	Soil		20.00	375.0	1.64	21.62	5.96	40.9	98	17.9	13.0	1147	1.65	3.8	1.2	3.1	0.8	48.1	0.35	0.63
1075870 BAL-1	Soil		N.A.	N.A.	1.28	15.93	22.79	82.0	102	30.1	6.2	250	1.77	3.0	1.3	<0.2	1.7	29.1	1.61	0.75
1075871	Soil		35.00	325.0	1.59	26.59	5.51	49.5	223	19.4	9.7	807	1.51	6.6	1.2	2.5	0.5	64.7	0.59	0.78
1075872	Soil		60.00	430.0	1.62	14.09	5.07	27.2	187	12.1	5.5	74	1.60	5.2	0.5	1.4	0.2	19.7	0.19	0.50
1075873	Soil		30.00	360.0	2.10	30.40	7.91	39.3	263	22.4	14.7	1429	2.35	15.0	1.4	2.7	0.9	49.5	0.29	0.81
1075874	Soil		40.00	320.0	2.06	19.04	7.39	47.8	264	18.2	29.5	1495	1.84	7.5	0.7	1.6	0.4	30.8	0.25	0.76
1075875	Soil		30.00	240.0	1.67	19.69	10.32	54.5	245	19.3	11.9	504	2.32	13.6	1.8	2.1	1.4	32.1	0.29	0.62
1075876	Soil		80.00	380.0	0.76	33.51	6.50	76.5	343	23.6	7.3	365	1.64	10.6	1.3	2.8	1.0	68.2	0.83	0.65
1075877	Soil		20.00	300.0	1.09	23.70	3.91	47.6	287	17.2	7.0	594	1.21	6.4	1.0	2.9	0.3	92.1	0.91	1.06
1075878	Soil		50.00	440.0	1.58	37.86	10.71	109.5	173	34.3	10.4	690	2.58	16.5	1.7	8.3	2.0	53.9	0.65	1.18
1075879	Soil		25.00	310.0	1.61	20.92	7.80	39.9	184	20.0	5.8	129	1.54	6.1	1.2	6.1	1.6	51.7	0.41	1.14
1075880	Soil		30.00	345.0	4.38	13.37	15.67	58.0	136	19.2	365.1	>10000	3.16	9.5	0.9	5.4	1.1	34.1	0.34	0.96
1075881	Soil		45.00	230.0	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1075882	Soil		20.00	415.0	3.06	16.41	16.46	48.9	235	20.6	44.1	2113	2.27	10.2	1.0	6.7	1.0	36.8	0.26	1.08
1075883	Soil		25.00	290.0	2.15	9.37	6.71	24.0	93	14.3	14.3	511	2.24	8.5	0.7	4.3	0.4	31.4	<0.01	0.57



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Project: 210800
Report Date: October 25, 2011

Page: 6 of 9 Part 2

CERTIFICATE OF ANALYSIS

WHI11001343.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1075949	Soil	1.43	0.098	7.6	20.3	0.41	119.0	0.033	2	0.85	0.023	0.04	<0.1	1.8	0.08	0.14	79	0.2	0.03	2.6	0.43
1075950 BAL-1	Soil	0.61	0.056	17.4	30.6	0.18	60.7	0.004	4	1.15	0.006	0.07	<0.1	3.4	0.34	0.06	90	1.4	<0.02	3.3	0.89
1075856	Soil	0.87	0.082	7.7	25.9	0.35	150.6	0.031	1	1.01	0.013	0.04	0.1	1.7	0.08	0.09	58	0.6	<0.02	3.3	0.80
1075857	Soil	1.04	0.053	4.7	12.0	0.13	100.6	0.021	<1	0.43	0.008	0.01	<0.1	1.4	0.05	0.13	53	0.5	0.04	1.4	0.44
1075858	Soil	0.53	0.061	5.8	15.8	0.24	109.9	0.029	1	0.60	0.008	0.05	<0.1	1.5	0.07	0.08	79	0.3	<0.02	2.1	0.67
1075859	Soil	0.84	0.068	7.3	17.2	0.30	133.3	0.035	<1	0.68	0.010	0.05	0.1	1.7	0.10	0.09	62	0.4	<0.02	2.2	0.92
1075860	Soil	0.26	0.067	6.2	25.2	0.33	97.2	0.040	1	1.00	0.012	0.05	0.1	2.0	0.10	0.07	70	0.4	0.04	3.8	1.08
1075861	Soil	0.84	0.108	10.0	30.6	0.43	205.2	0.044	2	1.27	0.015	0.04	0.2	2.4	0.15	0.13	93	0.6	0.03	4.3	0.93
1075862	Soil	0.79	0.106	8.9	29.9	0.42	184.5	0.037	2	1.22	0.014	0.04	0.1	2.3	0.12	0.12	84	0.7	0.05	4.4	0.84
1075863	Soil	0.95	0.072	5.6	22.9	0.38	103.2	0.044	2	0.94	0.014	0.04	0.1	2.0	0.06	0.08	77	0.3	0.03	3.2	0.49
1075864	Soil	0.28	0.061	6.7	20.5	0.23	86.7	0.028	<1	0.75	0.016	0.05	0.1	1.4	0.07	0.05	61	0.4	0.04	3.2	0.71
1075865	Soil	0.53	0.079	8.2	16.7	0.17	113.3	0.021	<1	0.67	0.009	0.03	<0.1	1.3	0.08	0.13	65	0.4	<0.02	2.1	0.38
1075866	Soil	0.80	0.067	5.9	19.6	0.24	105.7	0.029	1	0.72	0.014	0.04	0.1	1.4	0.07	0.10	56	0.4	0.03	2.6	0.66
1075867	Soil	1.12	0.072	7.9	20.6	0.40	211.6	0.046	2	0.90	0.013	0.06	0.1	2.0	0.10	0.10	89	0.3	0.03	2.9	0.78
1075868	Soil	1.11	0.071	7.5	22.1	0.37	167.1	0.045	2	0.95	0.015	0.05	0.2	2.1	0.09	0.09	47	0.3	0.02	3.3	0.75
1075869	Soil	0.78	0.085	10.3	21.4	0.30	174.1	0.038	2	0.83	0.014	0.04	0.1	2.1	0.13	0.11	80	0.4	0.03	2.9	0.87
1075870 BAL-1	Soil	0.59	0.053	17.1	30.0	0.18	61.5	0.005	5	1.18	0.007	0.07	0.1	3.4	0.37	0.05	78	1.4	0.02	3.8	0.98
1075871	Soil	1.49	0.089	8.2	22.7	0.36	158.5	0.028	3	0.89	0.014	0.05	0.1	1.8	0.11	0.15	93	0.5	0.03	2.5	0.68
1075872	Soil	0.27	0.055	5.0	19.1	0.19	64.2	0.031	<1	0.70	0.010	0.03	0.1	1.2	0.07	0.07	46	0.3	0.05	3.6	0.59
1075873	Soil	0.98	0.099	10.3	26.8	0.40	182.5	0.036	2	1.15	0.016	0.04	0.1	2.3	0.13	0.13	68	0.6	0.04	3.8	0.99
1075874	Soil	0.43	0.068	6.7	24.6	0.35	118.8	0.038	1	0.95	0.016	0.06	<0.1	1.8	0.11	0.07	84	0.4	0.04	3.6	1.18
1075875	Soil	0.55	0.079	10.5	28.6	0.40	139.9	0.047	1	1.15	0.012	0.04	0.2	2.8	0.12	0.07	57	0.6	0.07	3.8	1.14
1075876	Soil	1.51	0.055	10.8	24.9	0.44	213.9	0.041	2	1.05	0.016	0.07	0.2	2.2	0.09	0.08	52	0.5	0.04	3.4	0.92
1075877	Soil	2.09	0.081	8.0	17.1	0.38	152.0	0.023	3	0.68	0.015	0.04	<0.1	1.3	0.10	0.14	95	0.4	0.07	1.9	1.00
1075878	Soil	1.23	0.098	10.6	36.3	0.64	173.8	0.060	4	1.66	0.022	0.09	0.1	3.3	0.14	0.10	75	0.8	0.07	4.4	1.35
1075879	Soil	0.85	0.079	10.2	20.3	0.31	163.9	0.038	6	0.77	0.015	0.05	0.1	2.3	0.10	0.13	85	0.2	0.06	2.3	0.86
1075880	Soil	0.54	0.095	8.3	25.7	0.40	362.4	0.053	5	1.08	0.016	0.06	0.2	2.5	0.40	0.10	90	0.5	0.06	4.3	0.96
1075881	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
1075882	Soil	0.56	0.117	9.4	28.6	0.44	162.2	0.051	4	1.22	0.017	0.07	0.2	2.7	0.21	0.11	106	0.4	<0.02	4.3	1.30
1075883	Soil	0.47	0.105	7.3	20.0	0.26	111.9	0.034	4	0.80	0.015	0.06	0.1	1.6	0.07	0.11	81	0.3	<0.02	2.6	0.73



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Report Date:

October 25, 2011

Page:

6 of 9

Part 3

CERTIFICATE OF ANALYSIS

WHI11001343.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1075949	Soil	<0.1	0.02	0.55	5.9	1.0	<0.05	1.2	7.59	16.8	<0.02	<1	0.2	4.6	<10	<2	47.3
1075950 BAL-1	Soil	<0.1	0.09	0.29	7.6	0.6	<0.05	2.6	19.39	32.6	<0.02	6	0.6	9.7	<10	2	13.0
1075856	Soil	<0.1	0.03	0.97	6.5	0.7	<0.05	1.6	5.97	16.1	<0.02	<1	0.3	5.4	<10	<2	42.9
1075857	Soil	<0.1	<0.02	0.35	1.8	4.0	<0.05	1.2	4.32	10.0	<0.02	2	<0.1	0.8	<10	<2	72.3
1075858	Soil	<0.1	0.04	0.70	4.8	0.6	<0.05	1.6	3.87	12.2	<0.02	<1	0.1	3.4	<10	<2	64.5
1075859	Soil	<0.1	<0.02	0.73	6.4	2.5	<0.05	1.0	5.35	15.7	<0.02	<1	0.2	4.7	<10	<2	57.3
1075860	Soil	<0.1	0.03	0.99	9.1	0.6	<0.05	1.4	3.14	12.9	<0.02	<1	0.2	6.3	<10	<2	43.8
1075861	Soil	<0.1	0.02	1.06	8.5	2.7	<0.05	1.2	7.89	23.5	0.02	<1	0.3	8.6	<10	<2	41.3
1075862	Soil	<0.1	0.03	1.03	7.8	0.6	<0.05	1.3	7.04	19.5	0.02	<1	0.3	8.2	<10	<2	37.2
1075863	Soil	<0.1	0.04	0.97	4.8	0.7	<0.05	2.2	3.82	12.0	0.02	<1	0.2	5.4	<10	<2	42.6
1075864	Soil	<0.1	0.03	0.71	5.7	0.5	<0.05	1.1	4.02	14.3	<0.02	<1	0.2	3.4	<10	<2	38.8
1075865	Soil	<0.1	0.03	0.64	2.9	0.4	<0.05	1.5	6.37	16.7	<0.02	<1	0.1	2.2	<10	<2	61.6
1075866	Soil	<0.1	0.03	0.78	6.5	0.5	<0.05	1.4	3.81	11.7	<0.02	<1	0.1	3.4	<10	<2	50.0
1075867	Soil	<0.1	0.04	1.03	11.2	0.5	<0.05	1.8	5.67	16.5	0.02	1	0.2	6.6	<10	<2	59.0
1075868	Soil	<0.1	0.05	1.23	9.6	0.5	<0.05	2.2	5.09	15.9	<0.02	<1	0.2	6.6	<10	<2	44.3
1075869	Soil	<0.1	0.03	0.84	6.1	1.0	<0.05	1.0	7.51	20.2	0.02	1	0.3	4.5	<10	<2	51.0
1075870 BAL-1	Soil	<0.1	0.07	0.28	8.5	0.5	<0.05	2.4	18.71	31.3	0.02	5	0.7	9.7	<10	<2	13.0
1075871	Soil	<0.1	0.03	0.78	8.4	0.7	<0.05	1.6	7.01	17.1	<0.02	<1	0.3	4.6	<10	<2	57.0
1075872	Soil	<0.1	0.02	0.85	3.8	0.5	<0.05	1.1	2.48	10.4	<0.02	<1	0.2	3.2	<10	<2	38.6
1075873	Soil	<0.1	0.04	1.03	6.2	0.4	<0.05	1.6	7.62	22.1	<0.02	1	0.3	6.5	<10	<2	45.7
1075874	Soil	<0.1	<0.02	0.84	8.7	2.0	<0.05	0.9	3.59	13.9	<0.02	<1	0.2	5.7	<10	<2	37.6
1075875	Soil	<0.1	0.04	1.28	8.5	0.9	<0.05	1.7	6.08	22.2	0.03	<1	0.2	6.9	<10	<2	45.2
1075876	Soil	<0.1	0.04	1.19	12.6	0.5	<0.05	2.5	8.10	18.4	<0.02	1	0.3	7.1	<10	<2	40.0
1075877	Soil	<0.1	<0.02	0.53	9.6	0.4	<0.05	1.0	6.41	16.9	<0.02	1	0.2	3.1	<10	<2	63.0
1075878	Soil	<0.1	0.08	1.60	12.3	1.1	<0.05	2.6	8.05	20.5	0.06	4	0.4	13.1	<10	<2	33.6
1075879	Soil	0.1	0.16	1.06	8.7	2.2	<0.05	3.5	6.82	19.4	0.07	1	0.3	4.3	<10	<2	55.1
1075880	Soil	<0.1	0.04	0.70	8.7	2.3	<0.05	0.6	4.40	33.6	0.06	1	0.3	6.6	<10	<2	44.4
1075881	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	63.1
1075882	Soil	<0.1	0.05	1.08	9.9	4.0	<0.05	0.9	4.82	20.0	0.08	1	0.2	7.2	<10	<2	44.3
1075883	Soil	<0.1	0.04	0.72	7.3	1.7	<0.05	1.4	4.31	14.6	0.07	2	0.2	3.7	<10	<2	61.0



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Page:

7 of 9

Part 1

CERTIFICATE OF ANALYSIS

WHI11001343.1

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1075884	Soil	40.00	415.0	1.76	14.07	7.75	31.4	109	15.3	6.6	250	1.96	6.7	0.7	3.1	0.6	31.1	0.10	0.55	<0.02
1075885	Soil	20.00	375.0	1.53	21.30	6.75	46.7	151	18.0	7.5	291	1.38	6.3	0.6	5.4	0.8	68.7	0.23	0.97	<0.02
1075886	Soil	25.00	260.0	1.82	41.35	6.86	24.1	189	23.5	15.4	908	1.45	8.4	1.7	6.8	0.7	84.4	<0.01	0.95	<0.02
1075887	Soil	30.00	155.0	1.01	9.38	4.43	57.4	10	12.5	8.7	604	0.82	3.4	0.7	3.9	0.9	78.1	1.62	0.63	<0.02
1075888	Soil	30.00	290.0	2.17	47.54	6.64	41.8	121	37.9	16.1	2981	1.70	7.8	1.1	4.7	0.4	89.0	0.32	1.15	<0.02
1075889	Soil	25.00	230.0	1.31	5.05	4.71	13.3	52	10.7	3.7	156	1.37	5.1	0.3	4.0	0.4	26.6	<0.01	0.60	<0.02
1075890 Agi Dagi B	Soil	N.A.	N.A.	2.51	4.09	22.08	11.8	4	9.3	3.1	82	3.69	58.1	0.7	88.8	3.3	27.5	<0.01	1.00	1.28
1075891	Soil	50.00	230.0	3.04	25.92	4.83	92.5	107	39.4	40.9	6846	1.90	13.2	1.1	7.2	1.0	93.5	1.80	0.96	<0.02
1075892	Soil	20.00	230.0	0.91	27.14	5.37	50.8	129	26.0	10.7	1067	1.65	6.1	1.4	5.0	0.7	82.5	0.38	0.80	<0.02
1075893	Soil	60.00	340.0	2.22	34.50	7.13	67.9	278	28.5	9.6	1074	2.23	11.1	1.7	4.2	0.7	71.1	0.27	1.07	<0.02
1075894	Soil	23.00	246.0	2.44	27.58	5.04	32.6	197	33.1	22.9	7330	2.60	12.2	2.8	4.3	0.5	98.3	0.37	1.10	<0.02
1075895	Soil	35.00	169.0	0.73	5.53	1.02	28.6	194	12.0	10.1	226	0.81	4.0	0.5	3.5	1.7	57.1	1.26	0.51	0.25
1075896	Soil	56.00	281.0	1.05	12.76	3.43	22.5	105	11.1	3.3	44	0.92	2.6	0.4	2.1	0.2	16.1	0.18	0.36	<0.02
1075897	Soil	39.00	162.0	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1075898	Soil	56.00	449.0	1.75	28.91	11.83	63.6	260	25.7	14.8	1593	2.43	13.5	1.3	4.4	1.7	51.1	0.44	0.86	<0.02
1075899	Soil	36.00	154.0	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1075900	Soil	54.00	295.0	1.21	23.11	6.90	50.5	350	23.1	8.9	326	2.23	9.1	1.0	2.6	0.7	42.3	0.11	0.54	<0.02
1081687	Soil	68.00	373.0	1.69	23.81	4.01	55.1	109	21.7	9.9	1450	1.84	4.8	0.7	3.6	0.4	60.7	0.18	0.73	<0.02
1081688	Soil	107.0	313.0	1.31	15.57	5.44	65.6	61	20.7	12.0	884	2.35	10.9	0.7	2.2	0.6	40.9	0.05	0.45	<0.02
1081689	Soil	51.00	321.0	2.17	13.36	5.26	51.0	64	17.3	13.9	1418	1.88	5.4	0.6	3.0	0.5	38.8	0.14	0.56	<0.02
1081690 Agi Dagi B	Soil	N.A.	N.A.	2.76	3.74	23.08	11.9	5	9.6	3.1	82	3.71	60.9	0.7	142.9	3.8	29.1	<0.01	0.86	1.36
1081691	Soil	94.00	391.0	1.24	9.87	2.68	21.3	13	13.1	5.5	67	1.50	4.8	0.4	4.5	0.8	27.3	0.08	0.48	<0.02
1081692	Soil	167.0	480.0	1.19	22.48	4.02	23.0	123	18.4	9.6	531	1.76	4.7	0.7	4.7	0.5	51.4	<0.01	0.42	<0.02
1081693	Soil	98.00	496.0	1.00	23.78	3.40	57.5	68	25.0	6.7	490	1.62	4.1	0.5	3.2	0.4	56.6	<0.01	0.51	<0.02
1081694	Soil	155.0	586.0	1.54	23.97	5.54	58.9	92	29.7	11.7	837	2.45	6.9	1.1	2.4	0.9	46.1	0.09	0.43	<0.02
1081695	Soil	50.00	369.0	1.20	36.26	3.70	47.3	129	25.6	10.9	1467	1.67	3.6	1.1	4.3	0.3	49.7	0.43	0.51	<0.02
1081696	Soil	31.00	322.0	2.14	13.53	3.78	47.4	85	20.4	18.5	2419	2.79	7.7	0.8	2.7	0.4	47.1	<0.01	0.48	<0.02
1081697	Soil	101.0	346.0	1.26	17.15	4.79	47.5	52	17.1	12.0	586	1.98	5.0	0.6	2.9	0.5	39.6	0.03	0.45	<0.02
1081698	Soil	86.00	406.0	1.31	15.57	3.96	62.3	31	18.9	10.2	408	2.13	5.0	0.6	2.6	0.6	49.6	0.31	0.55	<0.02
1081699	Soil	83.00	298.0	1.57	22.71	5.72	56.9	98	26.5	13.3	652	2.56	7.7	1.3	4.6	1.7	43.5	0.02	0.38	<0.02



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Project: 210800
Report Date: October 25, 2011

Page: 7 of 9 Part 2

CERTIFICATE OF ANALYSIS

WHI11001343.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.01	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
1075884	Soil	0.42	0.097	8.3	21.3	0.28	129.1	0.034	2	1.03	0.013	0.04	0.1	1.9	0.08	0.09	86	0.2	<0.02	3.4
1075885	Soil	1.27	0.096	8.4	20.7	0.30	160.7	0.034	5	0.65	0.017	0.05	0.1	2.1	0.09	0.16	117	0.4	<0.02	2.5
1075886	Soil	1.51	0.120	13.6	20.1	0.30	209.4	0.029	6	0.97	0.017	0.04	<0.1	2.4	0.10	0.20	120	0.5	0.03	2.4
1075887	Soil	1.95	0.082	6.3	11.8	0.24	108.3	0.021	5	0.43	0.010	0.04	<0.1	1.6	0.06	0.15	135	0.3	<0.02	1.2
1075888	Soil	2.24	0.129	8.9	21.4	0.43	278.5	0.027	5	0.94	0.017	0.05	<0.1	1.6	0.09	0.19	71	0.8	0.05	2.3
1075889	Soil	0.51	0.061	4.0	16.0	0.20	76.9	0.038	2	0.53	0.009	0.04	0.1	1.3	0.04	0.09	89	0.4	<0.02	3.2
1075890 Agi Dagi B	Soil	0.04	0.018	7.4	19.5	0.12	63.3	0.019	2	0.99	0.004	0.06	0.1	1.7	0.09	0.03	25	2.2	0.39	7.6
1075891	Soil	1.87	0.133	8.1	17.2	0.32	404.8	0.022	5	0.69	0.013	0.04	0.1	1.3	0.16	0.20	112	0.5	0.06	2.2
1075892	Soil	1.61	0.095	13.0	23.9	0.40	200.3	0.040	5	1.17	0.015	0.05	0.1	2.5	0.06	0.15	101	0.2	<0.02	3.1
1075893	Soil	1.50	0.102	11.0	27.4	0.48	234.2	0.036	3	1.43	0.021	0.07	0.1	2.5	0.09	0.13	72	0.4	0.04	4.0
1075894	Soil	1.85	0.144	11.5	22.6	0.38	422.3	0.024	5	1.01	0.014	0.04	0.1	1.8	0.12	0.22	122	1.1	0.04	2.5
1075895	Soil	1.16	0.085	5.9	12.1	0.20	108.3	0.021	4	0.43	0.007	0.07	0.2	1.5	0.02	0.14	145	0.4	0.10	1.2
1075896	Soil	0.20	0.061	3.5	12.4	0.10	52.4	0.011	1	0.42	0.011	0.03	<0.1	0.5	0.07	0.06	63	0.2	0.02	2.4
1075897	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1075898	Soil	1.00	0.097	14.3	31.6	0.50	234.0	0.048	2	1.41	0.017	0.06	0.2	3.4	0.14	0.10	73	0.5	0.03	4.1
1075899	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1075900	Soil	0.77	0.083	11.6	28.7	0.45	169.4	0.043	3	1.36	0.017	0.06	0.1	2.7	0.10	0.07	71	0.1	<0.02	4.4
1081687	Soil	1.76	0.083	10.0	23.0	0.46	149.0	0.032	4	1.06	0.030	0.04	<0.1	2.1	0.09	0.14	73	0.3	0.06	2.7
1081688	Soil	0.89	0.080	7.9	30.1	0.48	173.2	0.049	3	1.13	0.030	0.06	0.2	2.4	0.08	0.09	50	0.2	<0.02	3.8
1081689	Soil	0.78	0.067	6.3	20.5	0.37	113.7	0.038	2	0.79	0.029	0.05	0.1	2.0	0.09	0.10	83	0.3	0.03	3.0
1081690 Agi Dagi B	Soil	0.04	0.018	7.8	19.9	0.13	67.1	0.018	1	1.04	0.004	0.06	0.2	2.0	0.10	0.03	30	2.3	0.42	8.2
1081691	Soil	0.44	0.053	4.4	17.3	0.23	58.8	0.033	2	0.61	0.019	0.05	0.1	1.6	0.04	0.08	51	0.3	0.03	2.5
1081692	Soil	1.70	0.061	11.5	22.2	0.31	134.5	0.031	2	1.01	0.029	0.03	0.1	2.1	0.07	0.08	54	0.3	0.03	3.0
1081693	Soil	2.07	0.071	6.0	21.3	0.39	162.3	0.034	4	0.91	0.029	0.04	<0.1	1.6	0.07	0.13	36	0.4	<0.02	2.4
1081694	Soil	1.16	0.078	8.6	32.0	0.56	175.7	0.051	3	1.39	0.036	0.05	0.1	2.8	0.08	0.09	47	0.3	0.04	4.2
1081695	Soil	1.19	0.105	9.2	23.7	0.36	185.6	0.029	3	1.03	0.032	0.04	<0.1	2.0	0.08	0.18	81	0.6	0.03	2.5
1081696	Soil	1.14	0.096	8.1	22.3	0.35	157.9	0.033	3	0.95	0.031	0.03	0.1	2.1	0.09	0.15	43	0.5	<0.02	2.8
1081697	Soil	0.88	0.057	7.3	22.5	0.35	107.9	0.042	2	0.95	0.036	0.04	0.1	2.1	0.06	0.08	64	0.2	0.02	3.3
1081698	Soil	1.27	0.058	7.2	23.5	0.50	104.8	0.047	3	1.07	0.043	0.05	0.7	2.3	0.06	0.09	52	0.3	<0.02	3.6
1081699	Soil	1.11	0.077	12.1	35.3	0.61	190.2	0.069	2	1.64	0.033	0.06	0.3	3.8	0.12	0.07	67	0.3	<0.02	5.0



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Report Date: October 25, 2011

Page: 7 of 9 Part 3

CERTIFICATE OF ANALYSIS

WHI11001343.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1075884	Soil	<0.1	0.05	1.03	4.8	1.6	<0.05	1.8	4.84	16.7	0.03	<1	0.2	4.7	<10	<2	45.9
1075885	Soil	<0.1	0.09	0.78	8.9	1.4	<0.05	3.4	5.88	15.8	0.05	1	0.3	3.2	<10	<2	59.4
1075886	Soil	<0.1	0.08	0.68	4.8	3.0	<0.05	2.7	13.51	28.8	<0.02	4	0.5	3.8	<10	<2	80.1
1075887	Soil	<0.1	0.15	0.42	5.1	1.4	<0.05	4.3	4.85	11.9	0.05	1	0.2	1.9	<10	<2	I.S.
1075888	Soil	<0.1	0.03	0.56	4.3	1.8	<0.05	1.2	7.70	18.2	0.04	1	0.4	5.1	<10	<2	60.7
1075889	Soil	<0.1	0.05	0.82	4.0	1.0	<0.05	1.8	1.74	8.1	<0.02	<1	0.1	3.8	<10	<2	50.1
1075890 Agi Dagi B	Soil	<0.1	0.11	0.51	8.7	0.5	<0.05	6.0	2.33	15.6	0.03	1	0.2	5.7	<10	<2	10.5
1075891	Soil	<0.1	0.03	0.37	6.1	1.5	<0.05	2.8	7.24	25.4	0.03	<1	0.4	3.1	<10	<2	64.5
1075892	Soil	<0.1	0.07	0.72	8.2	0.7	<0.05	3.0	12.57	26.4	0.03	<1	0.4	5.9	<10	<2	56.1
1075893	Soil	<0.1	0.05	1.06	7.8	1.2	<0.05	1.7	8.90	21.7	0.03	<1	0.4	7.9	<10	<2	46.9
1075894	Soil	<0.1	0.02	0.44	5.6	1.0	<0.05	1.1	12.23	25.3	0.03	2	0.4	4.4	<10	<2	64.3
1075895	Soil	<0.1	0.13	0.50	4.3	4.5	<0.05	4.3	4.56	11.5	<0.02	<1	0.2	1.3	<10	<2	I.S.
1075896	Soil	<0.1	0.02	0.40	2.9	0.5	<0.05	0.8	1.42	7.0	<0.02	<1	0.1	1.1	<10	<2	42.5
1075897	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	84.6
1075898	Soil	<0.1	0.07	1.27	8.7	0.8	<0.05	1.9	10.28	28.8	0.02	<1	0.4	9.2	<10	<2	39.4
1075899	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	79.2
1075900	Soil	<0.1	0.04	1.17	7.6	1.0	<0.05	1.8	8.21	21.6	<0.02	<1	0.4	8.4	<10	<2	37.3
1081687	Soil	<0.1	0.03	0.66	4.7	0.8	<0.05	1.7	8.46	22.4	<0.02	<1	0.3	4.9	<10	<2	52.4
1081688	Soil	<0.1	0.03	1.00	12.2	0.8	<0.05	1.7	5.30	17.6	0.02	<1	0.3	7.2	<10	<2	31.7
1081689	Soil	<0.1	0.03	0.66	6.7	0.6	<0.05	1.4	3.67	13.8	<0.02	<1	0.2	4.7	<10	<2	41.5
1081690 Agi Dagi B	Soil	<0.1	0.12	0.47	8.8	0.5	<0.05	6.4	2.41	16.5	<0.02	<1	0.2	6.1	<10	3	10.5
1081691	Soil	<0.1	0.05	0.69	3.2	0.6	<0.05	4.0	2.44	9.1	<0.02	<1	0.2	2.5	<10	<2	41.8
1081692	Soil	<0.1	0.03	0.71	3.0	0.7	<0.05	1.8	7.71	27.7	<0.02	<1	0.3	3.6	<10	<2	37.5
1081693	Soil	<0.1	0.06	0.77	6.1	0.5	<0.05	2.3	5.30	11.5	<0.02	<1	0.2	5.3	<10	<2	45.7
1081694	Soil	<0.1	0.04	1.07	7.0	0.8	<0.05	2.5	6.92	18.0	0.02	<1	0.3	9.4	<10	<2	28.9
1081695	Soil	<0.1	<0.02	0.60	4.6	0.6	<0.05	1.5	10.10	16.8	<0.02	<1	0.4	3.6	<10	<2	46.8
1081696	Soil	<0.1	<0.02	0.56	3.6	1.3	<0.05	1.0	7.05	17.9	<0.02	2	0.3	4.0	<10	<2	45.9
1081697	Soil	<0.1	0.03	0.85	5.1	0.7	<0.05	1.8	4.72	15.5	<0.02	<1	0.2	4.6	<10	<2	33.0
1081698	Soil	<0.1	0.04	0.97	8.4	0.5	<0.05	2.4	4.50	15.7	<0.02	<1	0.2	6.0	<10	<2	30.6
1081699	Soil	<0.1	0.05	1.39	10.3	0.6	<0.05	3.1	8.74	24.3	0.02	<1	0.5	10.7	<10	<2	27.7



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

Project: 210800
Report Date: October 25, 2011

Page: 8 of 9 Part 1

CERTIFICATE OF ANALYSIS

WHI11001343.1

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1081700	Soil	72.00	537.0	1.43	16.43	5.93	34.7	73	13.2	8.9	736	1.81	4.9	0.6	4.6	0.4	32.7	0.22	0.47	0.23
1081735	Soil	25.00	350.0	2.23	17.97	5.68	58.5	<2	18.6	11.1	984	2.04	4.9	0.5	5.7	0.7	40.1	0.28	0.54	0.18
1081736	Soil	51.00	378.0	3.00	21.55	6.13	85.7	66	28.0	33.3	6940	2.65	6.3	0.5	2.4	0.7	40.4	0.74	0.52	0.17
1081737	Soil	165.0	385.0	1.05	18.93	6.20	57.0	68	19.6	10.4	221	2.11	4.2	1.4	2.8	1.0	35.9	0.34	0.41	0.10
1081738	Soil	38.00	343.0	2.53	29.73	4.83	53.0	158	29.4	29.8	3739	2.42	4.4	1.1	3.3	0.4	58.1	0.70	0.67	0.04
1081739	Soil	48.00	372.0	1.07	36.23	5.42	40.2	98	20.2	11.7	801	1.67	5.4	0.8	7.9	0.6	40.1	0.42	0.58	0.02
1081740	Soil	114.0	383.0	1.61	29.90	6.63	81.8	127	31.0	21.0	794	3.36	7.4	3.3	4.3	1.8	38.0	0.42	0.47	0.06
1081741	Soil	156.0	516.0	0.99	19.77	6.48	49.6	65	18.1	8.7	745	2.19	6.9	0.6	3.9	0.5	34.7	0.22	0.44	0.05
1081742	Soil	82.00	495.0	2.87	17.63	4.69	34.8	57	16.6	30.8	1965	4.54	9.0	0.5	5.2	0.7	33.8	0.11	0.55	0.04
1081743	Soil	35.00	233.0	1.17	18.59	4.92	54.8	25	18.1	8.0	440	1.67	4.4	0.4	1.8	0.6	54.1	0.41	0.52	0.05
1081744	Soil	33.00	365.0	2.99	25.93	3.69	78.4	64	32.5	42.0	9971	2.08	6.4	1.6	2.1	0.4	67.1	0.92	0.56	<0.02
1081745	Soil	44.00	300.0	0.85	30.88	4.57	45.9	68	23.4	11.9	471	2.28	66.6	0.7	39.6	1.4	46.1	0.24	0.47	0.11
1081746	Soil	47.00	354.0	1.43	40.61	5.31	61.3	181	34.6	16.8	1433	2.75	73.4	1.0	19.9	1.3	51.5	0.28	0.62	0.10
1081747	Soil	68.00	337.0	1.76	18.38	6.26	42.3	40	18.6	12.4	478	2.20	5.5	0.6	4.8	0.6	39.3	0.44	0.53	0.05
1081748	Soil	272.0	624.0	0.97	30.74	5.74	51.0	134	20.2	8.8	491	1.85	5.3	0.8	2.3	0.5	36.0	0.21	0.51	0.05
1081749	Soil	35.00	292.0	2.82	26.73	5.08	39.5	94	20.8	14.2	927	3.89	18.8	2.1	3.3	0.6	45.1	0.23	0.47	0.02
1081750 BAL-1	Soil	N.A.	N.A.	1.19	16.67	24.74	92.3	59	32.5	7.0	268	1.87	5.4	1.4	1.1	1.8	31.4	1.80	0.78	<0.02
1081777	Soil	40.00	296.0	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1081778	Soil	39.00	268.0	1.58	33.68	6.80	64.2	85	26.7	18.9	2699	2.49	5.4	4.1	0.7	1.5	73.6	0.78	0.65	<0.02
1081779	Soil	23.00	323.0	1.08	15.45	7.80	44.4	57	15.3	8.5	368	1.81	4.2	1.1	0.3	1.1	43.5	0.25	0.50	<0.02
1081780	Soil	15.00	199.0	0.89	19.58	7.14	54.9	27	15.5	6.8	570	1.25	2.8	1.2	1.6	0.6	61.4	0.77	0.50	<0.02
1081781	Soil	39.00	379.0	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1081782	Soil	35.00	276.0	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1081783	Soil	42.00	435.0	1.68	23.37	10.07	65.3	117	20.5	10.8	666	2.13	22.5	1.7	2.3	1.2	56.3	0.66	0.89	0.14
1081784	Soil	135.0	324.0	1.14	23.44	5.67	48.5	86	15.4	4.9	181	1.25	15.3	0.6	4.0	0.6	68.4	0.87	0.73	0.08
1081785	Soil	46.00	368.0	2.25	18.52	6.49	30.6	183	15.1	6.9	74	1.78	11.0	1.0	2.2	0.4	27.3	0.25	0.69	0.06
1081786	Soil	21.00	278.0	1.53	15.94	6.69	30.5	55	12.9	11.5	597	1.31	3.9	0.6	0.7	0.4	48.7	0.27	0.66	<0.02
1081787	Soil	20.00	271.0	1.16	14.92	4.06	24.2	287	11.3	8.2	57	1.04	6.0	0.5	1.5	0.3	31.6	0.53	0.51	<0.02
1081788	Soil	35.00	374.0	1.20	11.15	3.14	26.0	286	9.2	5.3	38	0.89	3.2	0.5	1.6	0.2	31.6	1.06	0.45	<0.02
1081789	Soil	26.00	398.0	2.57	27.72	7.35	44.8	186	19.0	15.2	880	2.16	12.1	2.0	2.1	0.8	45.3	0.30	0.85	0.07



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Page: 8 of 9 Part 2

CERTIFICATE OF ANALYSIS

WHI11001343.1

	Method	Analyte	Unit	MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30			
					Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs
					%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
					0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1081700	Soil																							
1081735	Soil																							
1081736	Soil																							
1081737	Soil																							
1081738	Soil																							
1081739	Soil																							
1081740	Soil																							
1081741	Soil																							
1081742	Soil																							
1081743	Soil																							
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1081745	Soil																							
1081746	Soil																							
1081747	Soil																							
1081748	Soil																							
1081749	Soil																							
1081750 BAL-1	Soil																							
1081777	Soil																							
1081778	Soil																							
1081779	Soil																							
1081780	Soil																							
1081781	Soil																							
1081782	Soil																							
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1081785	Soil																							
1081786	Soil																							
1081787	Soil																							
1081788	Soil																							
1081789	Soil																							



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Page: 8 of 9 Part 3

CERTIFICATE OF ANALYSIS

WHI11001343.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1081700	Soil	<0.1	0.04	0.71	5.0	1.5	<0.05	1.1	4.29	14.0	0.04	3	0.2	4.7	<10	<2	27.0
1081735	Soil	<0.1	<0.02	0.79	7.3	0.9	<0.05	1.2	4.41	14.6	0.04	2	0.3	4.4	<10	2	40.3
1081736	Soil	<0.1	<0.02	0.61	5.3	1.0	<0.05	1.0	6.18	22.5	0.02	1	0.3	6.1	<10	<2	33.1
1081737	Soil	<0.1	0.05	1.22	9.8	0.5	<0.05	2.4	5.66	17.1	0.02	2	0.2	7.9	<10	<2	29.8
1081738	Soil	<0.1	0.02	0.65	3.6	0.7	<0.05	1.3	11.47	24.9	<0.02	2	0.3	4.5	<10	<2	44.6
1081739	Soil	<0.1	0.03	0.92	6.7	0.7	<0.05	2.1	7.41	17.2	<0.02	5	0.2	5.8	<10	<2	34.3
1081740	Soil	<0.1	0.05	1.41	9.7	0.5	<0.05	3.3	10.55	27.4	0.03	2	0.4	11.6	<10	<2	31.4
1081741	Soil	<0.1	0.03	0.84	4.9	0.6	<0.05	1.3	5.49	16.7	0.02	3	0.3	7.8	<10	<2	27.3
1081742	Soil	<0.1	<0.02	0.75	3.7	0.4	<0.05	1.3	5.25	19.6	0.02	2	0.3	5.3	<10	<2	32.4
1081743	Soil	<0.1	0.06	0.83	7.7	0.7	<0.05	3.2	4.32	12.6	<0.02	2	0.2	4.7	<10	<2	49.8
1081744	Soil	<0.1	0.03	0.45	4.4	1.0	<0.05	1.5	11.07	16.7	<0.02	5	0.3	3.6	<10	<2	56.7
1081745	Soil	<0.1	0.03	1.17	12.4	0.6	<0.05	1.7	7.01	25.1	<0.02	2	0.5	9.3	<10	<2	37.8
1081746	Soil	<0.1	<0.02	1.17	14.0	0.7	<0.05	1.2	8.94	22.8	<0.02	2	0.6	12.9	<10	<2	30.6
1081747	Soil	<0.1	0.03	0.87	6.2	1.1	<0.05	2.0	5.11	16.4	0.02	3	0.2	5.4	<10	<2	30.6
1081748	Soil	<0.1	0.04	0.85	7.5	0.4	<0.05	2.1	9.29	23.1	0.02	1	0.3	6.2	<10	<2	26.5
1081749	Soil	<0.1	<0.02	0.80	4.9	0.6	<0.05	1.4	8.10	19.4	<0.02	4	0.2	6.1	<10	<2	42.5
1081750 BAL-1	Soil	<0.1	0.04	0.29	10.7	0.5	<0.05	2.4	20.47	34.9	0.03	5	0.8	11.7	<10	3	12.8
1081777	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	59.9
1081778	Soil	0.2	<0.02	0.97	11.2	0.8	<0.05	1.2	16.80	47.5	<0.02	2	0.5	7.7	<10	<2	52.8
1081779	Soil	<0.1	0.03	1.07	9.6	3.0	<0.05	1.4	4.93	16.3	0.03	3	0.2	6.9	<10	<2	44.4
1081780	Soil	<0.1	<0.02	0.68	7.5	2.9	<0.05	1.1	6.33	15.7	<0.02	2	0.2	4.2	<10	<2	
1081781	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	64.2
1081782	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	64.9
1081783	Soil	<0.1	0.03	1.22	11.1	0.5	<0.05	1.8	5.73	16.5	0.02	1	0.2	9.2	<10	<2	38.7
1081784	Soil	<0.1	0.03	0.84	7.2	0.6	<0.05	2.3	4.57	12.2	<0.02	1	0.2	4.8	<10	<2	55.0
1081785	Soil	<0.1	0.03	0.90	4.1	0.3	<0.05	1.5	6.31	20.0	<0.02	2	0.3	3.4	<10	<2	51.5
1081786	Soil	<0.1	<0.02	0.69	4.4	2.1	<0.05	1.1	4.47	14.1	<0.02	2	0.2	3.1	<10	3	65.8
1081787	Soil	<0.1	0.03	0.62	3.6	0.6	<0.05	1.3	2.54	9.4	<0.02	4	0.2	2.5	<10	<2	70.9
1081788	Soil	<0.1	0.03	0.48	3.1	0.9	<0.05	1.2	3.05	9.3	<0.02	2	0.1	1.4	<10	<2	71.2
1081789	Soil	<0.1	<0.02	0.92	6.4	0.4	<0.05	1.3	8.98	25.8	<0.02	4	0.4	5.6	<10	<2	46.9



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Page:

9 of 9

Part 1

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1081790 Agi Dagi B	Soil	N.A.	N.A.	2.60	7.76	27.10	18.1	4	10.2	3.2	85	3.62	59.3	0.7	98.6	4.4	33.3	0.02	0.94	1.43
1081791	Soil	48.00	277.0	1.23	24.72	8.04	63.9	99	22.3	9.7	599	1.97	9.7	1.8	2.3	1.6	45.5	0.69	0.68	0.13
1081792	Soil	29.00	245.0	6.11	22.38	5.82	62.7	106	17.2	9.4	624	1.45	6.7	1.4	3.6	0.8	50.6	1.20	0.99	0.08
1081793	Soil	81.00	281.0	3.72	20.63	5.18	61.0	117	25.1	8.9	669	1.71	20.0	0.9	3.8	0.2	42.8	0.92	1.15	0.06
1081794	Soil	75.00	300.0	1.54	24.85	3.21	50.7	158	13.2	5.8	238	1.00	17.5	0.7	2.3	0.2	68.9	3.32	0.98	0.02
1081795	Soil	50.00	283.0	5.98	23.61	5.84	53.0	98	18.3	8.6	827	1.77	5.9	2.9	2.6	0.8	60.8	0.50	0.91	0.05
1081796	Soil	20.00	260.0	2.60	40.85	5.97	99.0	167	29.7	10.4	2407	1.89	7.9	3.7	8.2	0.5	81.3	1.23	1.00	0.23
1081797	Soil	43.00	295.0	1.12	26.03	3.89	37.2	86	18.0	6.7	349	1.32	4.0	0.8	2.9	0.4	74.2	0.24	0.70	0.11
1081798	Soil	44.00	288.0	1.39	26.55	5.21	40.9	90	20.4	8.0	194	1.55	4.4	0.8	1.9	0.2	49.9	0.39	0.65	0.16
1081799	Soil	30.00	275.0	1.67	20.10	5.07	45.5	109	14.0	4.0	92	1.20	3.6	0.6	4.2	0.1	27.8	0.52	0.56	0.12
1081800	Soil	48.00	397.0	1.28	19.81	5.87	44.3	79	17.4	7.5	329	1.90	4.2	1.1	1.8	1.3	39.2	0.16	0.50	0.15
1081801	Soil	54.00	319.0	1.52	21.08	4.94	50.0	124	19.6	9.5	333	2.09	6.9	1.3	7.8	1.9	33.6	0.47	0.54	0.13
1081802	Soil	71.00	316.0	1.55	26.08	6.43	58.1	225	25.5	12.7	541	2.66	9.4	3.7	3.5	3.2	38.0	0.24	0.44	0.16
1081803	Soil	91.00	381.0	2.56	30.48	7.47	86.8	351	24.0	13.0	978	2.67	15.6	6.7	3.2	2.1	67.3	0.53	0.54	0.15
1081804	Soil	47.00	316.0	2.31	34.98	3.59	42.1	114	20.1	23.4	2170	3.62	64.3	3.7	2.2	0.5	62.2	0.36	0.61	0.09
1081805	Soil	59.00	256.0	5.13	35.75	5.15	124.5	338	51.1	129.5	>10000	5.18	10.8	1.1	3.7	0.6	46.4	2.73	0.72	0.11
1081806	Soil	42.00	210.0	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1081807	Soil	38.00	195.0	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1081808	Soil	92.00	315.0	1.82	27.33	5.17	53.8	131	23.2	24.9	3493	2.37	9.3	0.9	3.3	0.7	47.0	0.61	0.93	0.11
1081809	Soil	87.00	368.0	1.36	43.31	9.09	71.2	202	36.3	15.8	1346	2.57	13.5	1.1	3.6	1.4	58.9	0.84	0.93	0.19
1081810 BAL-1	Soil	N.A.	N.A.	1.42	18.98	25.77	92.9	156	36.1	6.8	278	1.89	5.5	1.6	3.1	2.2	32.2	1.87	0.82	0.12
1081811	Soil	22.00	242.0	1.20	29.10	6.46	58.6	128	25.7	10.6	510	1.99	9.4	0.9	3.5	1.7	49.6	0.53	0.94	0.15
1081812	Soil	21.00	371.0	1.90	25.08	7.94	43.7	161	20.2	15.6	1189	1.74	5.4	0.7	2.1	0.4	33.5	0.36	0.68	0.13
1081813	Soil	91.00	366.0	0.71	27.14	8.03	75.4	96	25.2	10.0	393	2.17	10.2	0.7	2.9	2.5	45.9	0.31	0.77	0.21
1081814	Soil	21.00	252.0	1.37	35.30	9.35	64.3	130	26.4	9.4	492	1.86	12.3	0.8	4.6	2.0	57.7	0.92	1.09	0.24
1081815	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1081816	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1081817	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1081818	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.



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Project: 210800
Report Date: October 25, 2011

Page: 9 of 9 Part 2

CERTIFICATE OF ANALYSIS

WHI11001343.1

	Method	Analyte	Unit	MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30		
					Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
					%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
					0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1081790 Agi Dagi B	Soil				0.04	0.018	8.5	21.4	0.12	72.7	0.021	1	1.11	0.002	0.07	0.1	1.9	0.12	0.03	25	2.4	0.41	8.5	0.89
1081791	Soil				0.82	0.066	11.0	28.3	0.47	179.0	0.058	2	1.25	0.021	0.06	0.1	3.0	0.11	0.08	77	0.5	0.03	4.1	1.03
1081792	Soil				1.45	0.073	8.8	20.7	0.33	154.5	0.037	3	0.89	0.019	0.04	0.1	1.9	0.12	0.12	61	0.6	<0.02	2.8	0.80
1081793	Soil				2.20	0.084	6.5	24.6	0.57	116.0	0.027	4	0.97	0.024	0.03	<0.1	1.4	0.14	0.10	54	1.5	0.04	3.3	1.00
1081794	Soil				3.11	0.077	5.4	13.8	0.28	183.0	0.018	4	0.64	0.016	0.03	<0.1	1.1	0.08	0.14	47	1.7	0.03	1.7	0.93
1081795	Soil				1.76	0.082	9.1	22.8	0.42	153.2	0.038	3	1.11	0.021	0.04	<0.1	2.1	0.11	0.13	50	1.0	<0.02	3.1	0.70
1081796	Soil				2.01	0.124	10.2	19.5	0.37	220.7	0.027	8	1.04	0.014	0.06	0.1	2.1	0.11	0.22	118	1.2	0.02	2.3	0.64
1081797	Soil				2.02	0.071	6.6	16.8	0.34	133.0	0.025	5	0.78	0.020	0.05	0.2	1.4	0.07	0.15	61	0.4	0.04	2.0	0.44
1081798	Soil				1.43	0.061	7.6	18.6	0.32	130.7	0.033	2	0.68	0.013	0.05	<0.1	1.7	0.07	0.09	65	0.7	<0.02	2.6	0.73
1081799	Soil				0.49	0.051	5.7	15.8	0.15	84.5	0.023	1	0.47	0.012	0.03	<0.1	1.0	0.06	0.08	69	0.4	0.04	2.4	0.59
1081800	Soil				0.68	0.070	9.3	24.5	0.37	149.6	0.053	2	1.10	0.015	0.05	0.2	3.0	0.08	0.09	69	0.4	<0.02	3.8	1.00
1081801	Soil				0.61	0.054	7.8	24.9	0.47	104.2	0.065	2	1.01	0.031	0.06	0.5	2.6	0.09	0.07	57	0.5	<0.02	3.4	0.88
1081802	Soil				0.70	0.077	12.3	31.9	0.65	175.1	0.096	2	1.51	0.033	0.08	0.5	3.6	0.13	0.06	44	0.5	0.02	4.9	1.13
1081803	Soil				1.27	0.078	12.6	31.9	0.61	233.9	0.071	3	1.51	0.032	0.08	0.2	3.7	0.14	0.09	62	0.6	0.03	4.7	1.23
1081804	Soil				2.25	0.077	9.2	19.9	0.36	126.2	0.036	6	0.86	0.030	0.04	0.1	2.3	0.09	0.15	68	0.9	0.04	2.7	0.43
1081805	Soil				1.11	0.098	13.2	25.6	0.34	572.6	0.032	4	1.37	0.026	0.03	0.1	3.2	0.47	0.14	87	1.0	0.05	3.2	0.45
1081806	Soil				I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1081807	Soil				I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1081808	Soil				0.89	0.082	12.4	24.1	0.35	195.2	0.047	2	1.12	0.014	0.05	0.1	3.1	0.08	0.10	83	0.8	0.03	3.8	0.86
1081809	Soil				1.37	0.091	15.2	35.6	0.57	239.0	0.058	3	1.60	0.020	0.08	0.2	4.0	0.13	0.09	48	0.7	0.05	4.7	1.10
1081810 BAL-1	Soil				0.66	0.060	19.6	35.2	0.19	67.9	0.006	4	1.41	0.008	0.09	<0.1	4.5	0.41	0.06	112	2.1	0.05	4.2	1.20
1081811	Soil				1.11	0.075	11.9	31.1	0.49	178.1	0.068	2	1.15	0.017	0.08	0.1	3.4	0.09	0.09	77	0.8	<0.02	3.9	1.14
1081812	Soil				0.58	0.094	8.1	24.7	0.33	122.3	0.041	3	0.85	0.016	0.05	0.1	2.4	0.11	0.10	94	0.5	0.03	3.2	0.82
1081813	Soil				1.04	0.063	11.5	33.0	0.60	160.6	0.081	2	1.40	0.023	0.08	0.1	3.6	0.09	0.05	49	0.4	0.02	4.0	1.17
1081814	Soil				1.36	0.071	12.9	26.2	0.45	172.4	0.055	3	1.03	0.020	0.11	0.1	3.1	0.13	0.09	96	0.6	0.02	3.3	1.53
1081815	Soil				L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1081816	Soil				L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1081817	Soil				L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1081818	Soil				L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.



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Project: 210800
Report Date: October 25, 2011

Page: 9 of 9 Part 3

CERTIFICATE OF ANALYSIS

WHI11001343.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1081790 Agi Dagi B	Soil	<0.1	0.12	0.47	10.6	0.6	<0.05	7.8	2.54	18.3	<0.02	2	0.2	6.6	<10	<2	10.5
1081791	Soil	<0.1	0.04	1.36	10.6	1.1	<0.05	2.4	8.33	23.4	<0.02	1	0.3	8.4	<10	<2	40.1
1081792	Soil	<0.1	0.03	0.97	7.9	0.3	<0.05	1.9	6.07	19.0	<0.02	1	0.3	4.9	<10	<2	55.2
1081793	Soil	<0.1	<0.02	0.84	3.9	0.5	<0.05	1.2	5.31	14.3	<0.02	1	0.2	6.0	<10	<2	49.5
1081794	Soil	<0.1	0.03	0.47	5.2	0.2	<0.05	2.1	5.51	11.0	<0.02	1	0.2	2.3	<10	<2	65.3
1081795	Soil	<0.1	0.03	1.05	7.6	0.7	<0.05	2.1	6.98	18.7	<0.02	7	0.3	6.5	<10	<2	48.7
1081796	Soil	<0.1	<0.02	0.59	6.8	0.8	0.05	0.7	10.76	18.8	0.06	5	0.3	4.9	<10	<2	66.3
1081797	Soil	<0.1	0.03	0.56	5.8	0.8	<0.05	1.3	4.90	12.5	<0.02	1	0.3	3.9	<10	<2	57.8
1081798	Soil	<0.1	<0.02	0.64	5.7	0.3	<0.05	0.5	4.57	14.7	0.02	<1	0.4	3.4	<10	<2	54.6
1081799	Soil	<0.1	<0.02	0.42	4.0	0.9	<0.05	0.3	2.86	11.1	<0.02	2	0.3	2.0	<10	<2	43.4
1081800	Soil	<0.1	0.05	1.18	7.7	0.5	<0.05	1.9	4.67	18.2	<0.02	<1	0.1	6.2	<10	<2	46.3
1081801	Soil	<0.1	0.05	1.17	8.6	0.6	<0.05	2.4	4.38	15.9	<0.02	<1	0.3	7.6	<10	<2	31.8
1081802	Soil	<0.1	0.04	1.38	11.5	0.5	<0.05	2.3	8.19	24.5	<0.02	2	0.3	11.2	<10	<2	22.5
1081803	Soil	<0.1	0.05	1.42	13.1	1.1	<0.05	2.2	10.34	22.3	<0.02	1	0.7	12.4	<10	<2	35.3
1081804	Soil	<0.1	0.03	0.62	7.3	0.4	<0.05	1.3	7.03	19.0	<0.02	3	0.4	4.0	<10	<2	48.4
1081805	Soil	<0.1	<0.02	0.40	4.7	1.5	<0.05	0.9	10.01	59.3	<0.02	3	0.7	4.9	<10	<2	44.6
1081806	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	64.3
1081807	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	73.9
1081808	Soil	<0.1	<0.02	0.80	8.3	0.6	<0.05	0.5	8.94	26.8	0.03	<1	0.2	6.3	<10	<2	49.1
1081809	Soil	<0.1	0.04	1.33	11.1	1.2	<0.05	2.1	11.33	31.2	0.02	<1	0.7	11.1	<10	<2	38.8
1081810 BAL-1	Soil	<0.1	0.07	0.27	10.6	0.7	<0.05	2.4	20.64	35.4	0.02	4	0.2	11.3	<10	<2	12.7
1081811	Soil	<0.1	0.04	1.26	11.4	0.5	<0.05	2.1	8.31	25.0	<0.02	<1	0.6	7.5	<10	<2	46.8
1081812	Soil	<0.1	<0.02	0.68	6.7	2.3	<0.05	0.5	4.15	17.1	<0.02	<1	0.2	4.7	<10	<2	48.3
1081813	Soil	<0.1	0.09	1.53	12.4	0.4	<0.05	3.6	6.64	22.0	0.02	<1	0.2	10.1	<10	<2	25.3
1081814	Soil	<0.1	0.05	1.26	12.5	2.1	<0.05	2.2	8.85	26.1	0.02	2	0.8	6.2	<10	<2	54.8
1081815	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1081816	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1081817	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1081818	Soil	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.



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Project: 210800

Report Date: October 25, 2011

Page: 1 of 3 Part 1

QUALITY CONTROL REPORT

WHI11001343.1

Method Analyte	Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0	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
Pulp Duplicates																					
1075938	Soil	110.0	425.0	1.62	14.52	4.39	34.6	200	11.2	4.5	70	1.33	4.8	0.6	2.9	0.1	23.8	0.72	0.50	0.15	32
REP 1075938	QC			1.61	14.13	3.96	33.6	207	11.1	4.2	68	1.31	4.9	0.6	2.4	0.1	23.1	0.72	0.48	0.29	32
1075942	Soil	70.00	280.0	2.40	20.90	4.12	45.7	153	17.3	14.3	1656	1.65	4.8	2.0	3.9	0.5	59.4	0.57	1.12	0.14	30
REP 1075942	QC			2.45	20.37	4.20	47.6	149	17.0	14.1	1643	1.63	5.0	2.0	3.9	0.5	59.5	0.62	1.12	0.14	29
1081668	Soil	100.00	350.0	1.13	26.43	6.08	17.1	156	13.6	5.6	137	1.74	5.8	0.9	5.1	0.2	33.8	0.26	0.52	0.27	29
REP 1081668	QC																				
1081677	Soil	150.0	475.0	1.53	25.16	11.47	39.9	109	18.5	7.5	323	1.87	10.5	0.8	2.3	1.1	28.0	0.30	0.65	0.22	41
REP 1081677	QC			1.59	25.92	11.80	41.5	109	19.3	7.9	336	1.92	10.8	0.9	2.1	1.1	29.8	0.32	0.70	0.23	43
1081680	Soil	255.0	545.0	1.04	30.41	6.90	49.4	134	15.2	8.2	1088	1.56	6.4	0.6	3.3	0.5	17.0	0.93	0.50	0.16	38
REP 1081680	QC			1.10	31.20	7.09	51.0	125	16.3	8.9	1111	1.61	6.4	0.6	1.9	0.5	18.0	0.89	0.48	0.15	40
1081712	Soil	45.00	230.0	1.00	30.01	7.13	48.4	158	17.4	18.0	1441	1.47	5.0	1.7	1.8	0.6	73.1	0.97	0.81	0.12	30
REP 1081712	QC																				
1081723	Soil	70.00	330.0	1.26	17.75	4.82	28.4	158	15.3	6.2	239	1.78	6.7	1.6	4.3	0.4	36.0	0.24	0.55	0.17	21
REP 1081723	QC			1.17	16.62	4.70	28.5	146	14.4	5.6	237	1.76	6.2	1.5	2.7	0.4	36.5	0.20	0.51	0.15	21
1081730 Agi Dagi B	Soil	N.A.	N.A.	3.09	8.36	27.58	16.9	34	11.2	3.5	100	3.72	64.6	0.8	106.6	4.4	36.9	0.02	1.05	2.02	62
REP 1081730 Agi Dagi B	QC																				
1081758	Soil	55.00	360.0	1.42	15.42	4.72	29.9	125	12.7	4.8	95	1.37	4.7	0.8	0.8	0.3	35.4	0.15	0.56	0.14	25
REP 1081758	QC			1.52	15.29	4.67	29.7	122	12.2	5.2	94	1.35	4.3	0.8	1.8	0.3	33.6	0.12	0.50	0.14	25
1075856	Soil	70.00	420.0	1.65	22.55	6.76	48.6	175	19.3	9.0	518	1.88	10.9	1.2	2.8	0.5	47.7	0.53	0.72	0.14	34
REP 1075856	QC			1.73	23.21	6.91	50.5	188	19.6	9.3	526	1.93	11.3	1.2	2.8	0.5	48.4	0.50	0.71	0.14	34
1075862	Soil	75.00	410.0	2.11	26.18	8.02	60.6	268	20.8	15.3	1575	2.60	13.4	1.8	5.1	0.8	43.2	0.49	0.66	0.17	48
REP 1075862	QC			2.00	24.35	7.50	56.9	243	19.9	14.6	1509	2.43	12.8	1.7	3.7	0.7	40.9	0.45	0.65	0.16	47
1075864	Soil	35.00	380.0	1.51	20.03	5.22	49.5	166	18.8	7.5	144	1.92	5.5	0.5	1.4	0.2	23.6	1.18	0.68	0.13	38
REP 1075864	QC																				
1081688	Soil	107.0	313.0	1.31	15.57	5.44	65.6	61	20.7	12.0	884	2.35	10.9	0.7	2.2	0.6	40.9	0.05	0.45	<0.02	51
REP 1081688	QC			1.39	18.12	6.80	64.9	44	20.2	12.7	885	2.30	10.6	0.7	4.9	0.7	40.4	0.12	0.58	<0.02	52
1081690 Agi Dagi B	Soil	N.A.	N.A.	2.76	3.74	23.08	11.9	5	9.6	3.1	82	3.71	60.9	0.7	142.9	3.8	29.1	<0.01	0.86	1.36	61
REP 1081690 Agi Dagi B	QC			2.70	3.58	23.56	12.4	<2	10.3	3.0	82	3.77	60.5	0.7	102.3	4.0	31.0	<0.01	0.84	1.44	62



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Report Date:

October 25, 2011

Page:

1 of 3

Part 2

QUALITY CONTROL REPORT

WHI11001343.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.01	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																				
1075938	Soil	0.35	0.068	5.1	19.8	0.20	72.0	0.027	1	0.59	0.015	0.04	0.1	1.0	0.08	0.08	57	0.3	0.03	3.0
REP 1075938	QC	0.34	0.066	5.0	18.7	0.19	69.5	0.026	1	0.58	0.015	0.04	0.1	1.0	0.06	0.07	47	0.2	0.04	3.0
1075942	Soil	1.33	0.085	9.4	21.1	0.37	165.4	0.035	3	0.91	0.017	0.04	0.1	2.0	0.13	0.13	101	0.7	0.03	2.7
REP 1075942	QC	1.32	0.085	9.3	20.4	0.37	161.2	0.031	3	0.89	0.017	0.04	<0.1	2.0	0.12	0.12	96	0.7	<0.02	2.7
1081668	Soil	0.41	0.111	9.0	16.5	0.20	108.5	0.020	2	0.80	0.012	0.02	<0.1	1.3	0.08	0.13	107	0.5	0.02	2.5
REP 1081668	QC																			
1081677	Soil	0.37	0.090	11.3	24.2	0.32	100.1	0.054	2	1.00	0.016	0.05	0.1	2.8	0.09	0.06	64	0.3	0.02	3.5
REP 1081677	QC	0.40	0.096	12.0	26.3	0.34	102.0	0.058	2	1.04	0.018	0.05	0.1	3.2	0.10	0.06	62	0.4	0.03	3.8
1081680	Soil	0.17	0.057	9.3	18.1	0.23	107.9	0.042	1	0.79	0.015	0.04	<0.1	1.7	0.07	0.03	32	0.2	0.04	3.7
REP 1081680	QC	0.19	0.062	9.8	18.9	0.23	105.0	0.050	<1	0.84	0.018	0.04	<0.1	1.9	0.08	0.03	32	0.1	<0.02	3.9
1081712	Soil	1.20	0.097	19.0	14.2	0.28	192.5	0.036	3	1.01	0.012	0.05	<0.1	2.6	0.09	0.14	122	0.3	<0.02	2.5
REP 1081712	QC																			
1081723	Soil	0.58	0.086	8.8	18.9	0.30	116.8	0.027	2	0.78	0.012	0.03	<0.1	1.6	0.11	0.11	83	0.2	0.04	2.3
REP 1081723	QC	0.57	0.083	8.3	18.1	0.29	112.0	0.025	3	0.77	0.012	0.03	<0.1	1.7	0.09	0.11	90	0.6	0.10	2.4
1081730 Agi Dag B	Soil	0.04	0.021	9.0	23.0	0.16	73.0	0.022	2	1.07	0.002	0.07	0.2	2.1	0.10	0.03	38	2.6	0.44	8.8
REP 1081730 Agi Dag B	QC																			
1081758	Soil	0.57	0.076	6.9	19.7	0.26	90.0	0.029	2	0.68	0.012	0.05	<0.1	1.4	0.07	0.11	69	0.2	0.05	2.3
REP 1081758	QC	0.56	0.075	6.8	18.5	0.26	88.4	0.029	2	0.67	0.012	0.05	0.1	1.3	0.06	0.11	67	0.2	0.05	2.2
1075856	Soil	0.87	0.082	7.7	25.9	0.35	150.6	0.031	1	1.01	0.013	0.04	0.1	1.7	0.08	0.09	58	0.6	<0.02	3.3
REP 1075856	QC	0.90	0.083	7.7	26.0	0.36	157.9	0.032	1	1.02	0.013	0.04	0.1	1.8	0.08	0.09	63	0.6	0.04	3.3
1075862	Soil	0.79	0.106	8.9	29.9	0.42	184.5	0.037	2	1.22	0.014	0.04	0.1	2.3	0.12	0.12	84	0.7	0.05	4.4
REP 1075862	QC	0.76	0.102	8.5	27.7	0.40	174.2	0.037	1	1.18	0.014	0.04	0.1	2.2	0.12	0.12	82	0.6	0.04	3.9
1075864	Soil	0.28	0.061	6.7	20.5	0.23	86.7	0.028	<1	0.75	0.016	0.05	0.1	1.4	0.07	0.05	61	0.4	0.04	3.2
REP 1075864	QC																			
1081688	Soil	0.89	0.080	7.9	30.1	0.48	173.2	0.049	3	1.13	0.030	0.06	0.2	2.4	0.08	0.09	50	0.2	<0.02	3.8
REP 1081688	QC	0.90	0.081	8.0	28.6	0.47	170.8	0.049	3	1.11	0.031	0.06	0.1	2.6	0.09	0.09	48	0.3	0.03	4.0
1081690 Agi Dag B	Soil	0.04	0.018	7.8	19.9	0.13	67.1	0.018	1	1.04	0.004	0.06	0.2	2.0	0.10	0.03	30	2.3	0.42	8.2
REP 1081690 Agi Dag B	QC	0.04	0.019	7.8	20.9	0.13	69.4	0.019	2	1.03	0.004	0.06	0.1	1.9	0.10	0.03	41	2.2	0.48	7.9



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Page:

1 of 3

Part 3

QUALITY CONTROL REPORT

WHI11001343.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
Pulp Duplicates																	
1075938	Soil	<0.1	<0.02	0.74	7.1	0.6	<0.05	0.6	2.35	10.6	<0.02	1	0.1	3.0	<10	<2	35.9
REP 1075938	QC	<0.1	<0.02	0.71	6.7	0.5	<0.05	0.7	2.34	10.2	<0.02	<1	<0.1	2.9	<10	<2	
1075942	Soil	<0.1	<0.02	0.85	7.6	0.5	<0.05	0.8	6.69	20.0	<0.02	<1	0.2	4.6	<10	<2	51.8
REP 1075942	QC	<0.1	0.02	0.91	7.4	0.5	<0.05	1.1	6.68	19.9	<0.02	<1	0.3	4.5	<10	<2	
1081668	Soil	<0.1	0.03	0.63	3.6	0.8	<0.05	1.2	6.12	16.5	0.03	<1	0.2	3.0	<10	<2	53.4
REP 1081668	QC																53.8
1081677	Soil	<0.1	0.03	1.00	7.6	0.4	<0.05	1.8	6.41	20.5	0.02	<1	0.3	6.0	<10	<2	35.9
REP 1081677	QC	<0.1	0.04	1.06	8.2	0.6	<0.05	1.8	6.44	21.3	0.02	<1	0.3	6.3	<10	<2	
1081680	Soil	<0.1	<0.02	0.73	9.3	0.8	<0.05	0.7	4.02	17.0	<0.02	<1	0.2	4.7	<10	<2	22.2
REP 1081680	QC	<0.1	<0.02	0.82	9.9	1.0	<0.05	0.8	4.10	17.7	0.02	<1	0.2	5.2	<10	<2	
1081712	Soil	<0.1	0.03	0.70	5.7	0.4	<0.05	1.7	13.65	37.7	<0.02	<1	0.4	4.7	<10	<2	66.9
REP 1081712	QC																65.5
1081723	Soil	<0.1	0.03	0.85	4.6	0.5	<0.05	1.2	5.23	17.0	<0.02	<1	0.2	3.7	<10	<2	54.3
REP 1081723	QC	<0.1	0.03	0.74	4.4	0.6	<0.05	1.2	5.06	16.1	<0.02	1	0.2	3.6	<10	<2	
1081730 Agi Dagi B	Soil	0.2	0.10	0.42	10.1	0.5	<0.05	6.6	2.68	17.9	0.03	<1	0.3	6.7	<10	<2	10.6
REP 1081730 Agi Dagi B	QC																10.4
1081758	Soil	<0.1	0.02	0.84	5.3	0.5	<0.05	1.5	3.68	13.6	<0.02	1	0.2	3.0	<10	3	51.2
REP 1081758	QC	0.1	<0.02	0.86	5.3	0.6	<0.05	1.3	3.69	12.9	<0.02	1	0.3	3.0	<10	<2	
1075856	Soil	<0.1	0.03	0.97	6.5	0.7	<0.05	1.6	5.97	16.1	<0.02	<1	0.3	5.4	<10	<2	42.9
REP 1075856	QC	<0.1	0.03	0.97	6.5	0.7	<0.05	1.5	6.17	16.5	<0.02	<1	0.2	6.0	<10	<2	
1075862	Soil	<0.1	0.03	1.03	7.8	0.6	<0.05	1.3	7.04	19.5	0.02	<1	0.3	8.2	<10	<2	37.2
REP 1075862	QC	<0.1	0.03	0.95	7.5	0.5	<0.05	1.2	6.72	18.2	<0.02	<1	0.2	7.8	<10	<2	
1075864	Soil	<0.1	0.03	0.71	5.7	0.5	<0.05	1.1	4.02	14.3	<0.02	<1	0.2	3.4	<10	<2	38.8
REP 1075864	QC																38.3
1081688	Soil	<0.1	0.03	1.00	12.2	0.8	<0.05	1.7	5.30	17.6	0.02	<1	0.3	7.2	<10	<2	31.7
REP 1081688	QC	<0.1	0.04	1.02	11.4	0.9	<0.05	1.9	5.29	16.6	0.03	<1	0.2	7.3	<10	<2	
1081690 Agi Dagi B	Soil	<0.1	0.12	0.47	8.8	0.5	<0.05	6.4	2.41	16.5	<0.02	<1	0.2	6.1	<10	3	10.5
REP 1081690 Agi Dagi B	QC	<0.1	0.09	0.46	9.1	0.5	<0.05	6.9	2.32	16.6	<0.02	<1	0.2	6.0	<10	2	



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Project: 210800

Report Date: October 25, 2011

Page: 2 of 3 Part 1

QUALITY CONTROL REPORT

WHI11001343.1

		SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0	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
1081736	Soil	51.00	378.0	3.00	21.55	6.13	85.7	66	28.0	33.3	6940	2.65	6.3	0.5	2.4	0.7	40.4	0.74	0.52	0.17	53
REP 1081736	QC			3.13	22.67	6.42	90.6	43	30.3	34.8	7331	2.80	6.5	0.6	4.7	0.7	42.6	0.75	0.55	0.07	56
1081737	Soil	165.0	385.0	1.05	18.93	6.20	57.0	68	19.6	10.4	221	2.11	4.2	1.4	2.8	1.0	35.9	0.34	0.41	0.10	50
REP 1081737	QC																				
1081777	Soil	40.00	296.0	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 1081777	QC																				
1081793	Soil	81.00	281.0	3.72	20.63	5.18	61.0	117	25.1	8.9	669	1.71	20.0	0.9	3.8	0.2	42.8	0.92	1.15	0.06	79
REP 1081793	QC			3.62	20.64	5.18	65.0	103	25.3	8.7	664	1.78	19.7	0.9	1.6	0.3	42.9	0.91	1.21	<0.02	80
1081798	Soil	44.00	288.0	1.39	26.55	5.21	40.9	90	20.4	8.0	194	1.55	4.4	0.8	1.9	0.2	49.9	0.39	0.65	0.16	30
REP 1081798	QC			1.36	26.19	5.19	40.3	92	20.5	7.9	189	1.57	4.3	0.8	1.0	0.3	53.0	0.38	0.64	0.14	31
1081810 BAL-1	Soil	N.A.	N.A.	1.42	18.98	25.77	92.9	156	36.1	6.8	278	1.89	5.5	1.6	3.1	2.2	32.2	1.87	0.82	0.12	50
REP 1081810 BAL-1	QC																				
Reference Materials																					
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DS8	Standard			12.90	105.4	125.0	311.9	1837	37.6	7.5	614	2.52	24.1	2.6	122.6	6.7	61.2	2.36	5.46	6.10	41
STD DS8	Standard			12.79	99.46	120.4	300.6	1782	36.8	7.1	613	2.41	23.9	2.5	111.5	5.5	61.2	2.06	5.31	5.65	41
STD DS8	Standard			13.55	112.9	132.3	319.3	1864	39.3	7.7	627	2.56	25.2	2.7	121.0	6.2	70.0	2.30	5.87	6.35	43
STD DS8	Standard			14.38	115.2	133.6	312.5	1820	38.2	7.5	609	2.55	25.0	2.8	125.7	6.8	65.2	2.23	5.70	7.21	42
STD DS8	Standard			12.18	99.96	116.2	299.6	1719	35.8	7.3	597	2.39	23.2	2.4	115.0	6.2	57.4	2.08	4.93	5.86	38
STD DS8	Standard			12.80	104.6	123.1	313.3	1852	37.0	7.4	612	2.49	25.2	2.6	113.6	6.2	60.7	2.27	5.36	6.15	42
STD DS8	Standard			13.12	120.6	123.5	317.6	1738	38.5	7.5	609	2.51	23.2	3.1	112.8	7.9	74.0	2.37	5.98	6.72	47
STD DS8 Expected				13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1
STD DOLOMITE-2 Expected																					



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Report Date: October 25, 2011

Page: 2 of 3 Part 2

QUALITY CONTROL REPORT

WHI11001343.1

		1F30 Ca %	1F30 P %	1F30 La ppm	1F30 Cr ppm	1F30 Mg %	1F30 Ba ppm	1F30 Ti %	1F30 B ppm	1F30 Al %	1F30 Na %	1F30 K %	1F30 W ppm	1F30 Sc ppm	1F30 Ti ppm	1F30 S %	1F30 Hg ppb	1F30 Se ppm	1F30 Te ppm	1F30 Ga ppm	1F30 Cs ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1081736	Soil	0.80	0.085	8.0	28.7	0.43	266.1	0.047	2	1.13	0.027	0.04	0.1	2.6	0.15	0.08	48	0.4	0.03	3.9	0.63
REP 1081736	QC	0.84	0.092	8.6	29.8	0.45	272.2	0.057	3	1.18	0.029	0.04	0.2	2.9	0.15	0.09	43	0.6	0.03	4.3	0.75
1081737	Soil	0.62	0.080	8.3	28.4	0.41	139.6	0.054	2	1.28	0.025	0.04	0.1	3.1	0.13	0.07	38	0.3	<0.02	4.7	1.00
REP 1081737	QC																				
1081777	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP 1081777	QC																				
1081793	Soil	2.20	0.084	6.5	24.6	0.57	116.0	0.027	4	0.97	0.024	0.03	<0.1	1.4	0.14	0.10	54	1.5	0.04	3.3	1.00
REP 1081793	QC	2.13	0.088	6.8	23.7	0.56	114.8	0.034	4	0.96	0.024	0.03	0.1	1.6	0.17	0.10	34	1.4	0.03	3.6	1.16
1081798	Soil	1.43	0.061	7.6	18.6	0.32	130.7	0.033	2	0.68	0.013	0.05	<0.1	1.7	0.07	0.09	65	0.7	<0.02	2.6	0.73
REP 1081798	QC	1.45	0.059	8.0	19.9	0.32	136.6	0.035	1	0.70	0.014	0.05	0.1	1.9	0.07	0.09	57	0.8	0.04	2.9	0.77
1081810 BAL-1	Soil	0.66	0.060	19.6	35.2	0.19	67.9	0.006	4	1.41	0.008	0.09	<0.1	4.5	0.41	0.06	112	2.1	0.05	4.2	1.20
REP 1081810 BAL-1	QC																				
Reference Materials																					
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DS8	Standard	0.70	0.078	13.8	119.6	0.61	275.4	0.106	2	0.96	0.103	0.43	3.1	2.3	5.80	0.16	209	5.2	4.98	4.7	2.54
STD DS8	Standard	0.70	0.079	15.0	120.1	0.59	269.5	0.104	3	0.93	0.101	0.42	2.8	2.1	5.47	0.16	182	4.9	5.23	4.6	2.49
STD DS8	Standard	0.73	0.083	15.5	129.5	0.61	288.9	0.115	3	0.96	0.100	0.43	3.3	2.0	5.75	0.17	221	5.0	5.52	4.8	2.45
STD DS8	Standard	0.74	0.078	15.0	125.6	0.62	279.7	0.118	2	1.08	0.093	0.47	3.1	2.3	5.69	0.16	195	5.3	4.99	4.9	2.46
STD DS8	Standard	0.67	0.073	13.1	118.7	0.60	246.8	0.096	2	0.89	0.085	0.40	2.6	2.0	5.30	0.16	195	4.9	4.92	4.6	2.41
STD DS8	Standard	0.71	0.078	13.6	121.5	0.60	280.1	0.106	2	0.92	0.090	0.42	3.3	2.0	5.70	0.17	208	5.4	5.13	4.7	2.60
STD DS8	Standard	0.77	0.088	18.5	120.2	0.62	268.7	0.133	3	1.08	0.082	0.46	2.9	2.9	5.57	0.16	184	5.1	4.96	4.7	2.41
STD DS8 Expected		0.7	0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48
STD DOLOMITE-2 Expected																					



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Project: 210800

Report Date: October 25, 2011

Page: 2 of 3 Part 3

QUALITY CONTROL REPORT

WHI11001343.1

		1F30 Ge ppm 0.1	1F30 Hf ppm 0.02	1F30 Nb ppm 0.02	1F30 Rb ppm 0.1	1F30 Sn ppm 0.1	1F30 Ta ppm 0.05	1F30 Zr ppm 0.1	1F30 Y ppm 0.01	1F30 Ce ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2	LOI %
1081736	Soil	<0.1	<0.02	0.61	5.3	1.0	<0.05	1.0	6.18	22.5	0.02	1	0.3	6.1	<10	<2	33.1
REP 1081736	QC	<0.1	<0.02	0.59	6.3	1.0	<0.05	0.8	6.39	24.4	0.02	2	0.3	6.3	<10	<2	
1081737	Soil	<0.1	0.05	1.22	9.8	0.5	<0.05	2.4	5.66	17.1	0.02	2	0.2	7.9	<10	<2	29.8
REP 1081737	QC																30.0
1081777	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	59.9
REP 1081777	QC																55.8
1081793	Soil	<0.1	<0.02	0.84	3.9	0.5	<0.05	1.2	5.31	14.3	<0.02	1	0.2	6.0	<10	<2	49.5
REP 1081793	QC	<0.1	0.04	0.82	4.4	0.5	<0.05	0.9	5.26	15.2	0.03	7	0.3	6.1	<10	<2	
1081798	Soil	<0.1	<0.02	0.64	5.7	0.3	<0.05	0.5	4.57	14.7	0.02	<1	0.4	3.4	<10	<2	54.6
REP 1081798	QC	<0.1	<0.02	0.70	6.3	0.4	<0.05	0.7	4.84	16.3	<0.02	<1	0.2	4.0	<10	<2	
1081810 BAL-1	Soil	<0.1	0.07	0.27	10.6	0.7	<0.05	2.4	20.64	35.4	0.02	4	0.2	11.3	<10	<2	12.7
REP 1081810 BAL-1	QC																12.7
Reference Materials																	
STD DOLOMITE-2	Standard																45.8
STD DOLOMITE-2	Standard																45.9
STD DOLOMITE-2	Standard																45.9
STD DOLOMITE-2	Standard																46.1
STD DOLOMITE-2	Standard																46.1
STD DOLOMITE-2	Standard																45.8
STD DOLOMITE-2	Standard																45.7
STD DS8	Standard	0.1	0.10	1.38	38.2	6.4	<0.05	2.0	5.78	27.6	2.18	64	5.3	27.1	121	371	
STD DS8	Standard	0.1	0.08	1.47	37.4	6.4	<0.05	1.4	5.52	27.9	2.09	69	5.1	26.9	119	354	
STD DS8	Standard	<0.1	0.08	1.35	38.1	6.6	<0.05	1.5	6.25	28.4	2.19	53	5.3	28.2	114	366	
STD DS8	Standard	0.1	0.09	1.46	39.0	6.6	<0.05	2.0	6.02	29.3	2.13	62	6.5	27.3	123	372	
STD DS8	Standard	0.1	0.07	1.27	36.5	6.0	<0.05	1.5	5.09	25.8	2.10	50	5.1	26.0	110	329	
STD DS8	Standard	0.2	0.07	1.36	39.7	6.2	<0.05	1.7	5.85	27.4	2.13	54	5.0	27.0	124	359	
STD DS8	Standard	0.1	0.09	1.57	37.4	7.2	<0.05	2.2	6.99	30.5	2.32	58	5.2	30.4	107	343	
STD DS8 Expected		0.13	0.08	1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339	
STD DOLOMITE-2 Expected																	46



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Project: 210800

Report Date: October 25, 2011

Page: 3 of 3 Part 1

QUALITY CONTROL REPORT

WHI11001343.1

		SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
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
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
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
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
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
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
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



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Report Date: October 25, 2011

Page: 3 of 3 Part 2

QUALITY CONTROL REPORT

WHI11001343.1

		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02



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Project: 210800

Report Date: October 25, 2011

Page: 3 of 3 **Part** 3

QUALITY CONTROL REPORT

WHI11001343.1

		1F30 Ge ppm 0.1	1F30 Hf ppm 0.02	1F30 Nb ppm 0.02	1F30 Rb ppm 0.1	1F30 Sn ppm 0.1	1F30 Ta ppm 0.05	1F30 Zr ppm 0.1	1F30 Y ppm 0.01	1F30 Ce ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2	LOI %
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	



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Submitted By: Andrea Langerud

Receiving Lab: Canada-Whitehorse

Received: September 12, 2011

Report Date: October 05, 2011

Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI11001344.1

CLIENT JOB INFORMATION

Project: 210800
Shipment ID: YTG-021
P.O. Number
Number of Samples: 22

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.

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

CC: Randy Farmer
Rupa Mukherjee

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	21	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	21	Dry at 60C			WHI
RJSV	21	Saving all or part of Soil Reject			WHI
1F06	22	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
2A05	22	Loss on Ignition at 1000 C		Completed	VAN

ADDITIONAL COMMENTS



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



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Report Date: October 05, 2011

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

WHI11001344.1

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1082524	Soil	255.0	1443	2.82	64.34	9.98	71.9	333	35.1	12.2	487	3.29	32.9	1.1	12.9	1.4	26.2	0.42	1.53	1.09
1082525	Soil	480.0	1565	1.42	40.06	7.94	111.6	285	41.1	17.1	969	4.81	156.1	2.5	14.3	3.6	41.1	0.51	4.02	0.97
1082526	Soil	335.0	1025	1.74	29.52	10.48	59.5	41	35.6	16.7	536	4.04	14.4	0.6	1.6	2.2	23.8	0.19	1.07	0.24
1082527	Soil	640.0	1440	0.98	31.60	15.04	77.7	114	30.6	10.2	523	3.09	16.6	0.7	4.8	2.4	28.8	0.36	1.37	0.44
1082528	Soil	350.0	800.0	1.87	44.02	21.06	123.0	1000	27.4	8.2	305	2.82	44.4	1.3	13.7	0.2	28.6	0.92	1.50	0.55
1082529	Soil	285.0	1765	0.57	20.73	19.40	81.0	122	25.5	11.8	571	2.76	47.4	0.7	7.1	3.1	28.1	0.62	1.13	0.32
1082530 AGI DAGI B	Soil	N.A.	N.A.	2.56	8.66	22.93	17.4	18	10.7	3.3	77	3.62	68.6	0.8	90.2	4.7	31.9	0.02	1.00	2.16
1082531	Soil	305.0	1280	2.11	92.23	103.3	229.7	2265	38.7	16.4	882	4.13	548.6	1.1	131.6	5.8	43.6	1.50	13.52	4.37
1082532	Soil	235.0	1275	1.98	34.45	11.31	86.7	110	28.4	13.6	541	4.02	15.9	0.7	4.3	1.5	24.9	0.34	0.93	0.29
1082533	Soil	435.0	1425	0.86	21.49	26.81	89.7	120	20.6	11.6	552	3.02	90.4	0.9	6.3	3.2	21.0	0.34	2.22	0.44
1082534	Soil	275.0	750.0	1.36	22.96	7.56	36.9	131	12.6	6.0	221	2.06	11.2	0.5	3.8	0.7	21.5	0.12	0.69	0.36
1082535	Soil	480.0	1765	0.74	26.35	17.99	78.7	156	19.7	8.9	348	2.55	38.8	0.8	11.6	2.4	40.9	0.28	0.91	0.81
1082536	Soil	285.0	1265	0.53	23.23	12.91	59.0	75	17.5	7.0	191	2.13	13.0	0.7	4.7	2.2	28.6	0.19	0.59	0.38
1082537	Soil	210.0	560.0	0.29	32.81	3.33	12.3	53	4.9	1.8	93	0.52	1.3	0.6	3.9	0.1	17.8	0.12	0.24	0.12
1082538	Soil	455.0	1630	0.25	29.61	6.90	93.2	38	16.5	9.9	288	2.75	10.4	0.8	2.7	5.3	41.7	1.50	0.38	0.21
1082539	Soil	200.0	1845	0.37	31.42	6.67	48.8	49	16.3	8.9	410	2.64	8.1	1.0	2.9	6.3	58.5	0.10	0.62	0.16
1082540	Soil	140.0	2095	0.43	29.63	7.96	53.8	52	24.9	10.9	404	2.99	8.5	1.2	3.8	4.9	35.4	0.10	0.57	0.24
1082541	Soil	235.0	1855	0.69	33.99	7.39	47.0	50	19.8	10.1	310	2.78	6.7	1.0	3.6	3.6	39.5	0.12	0.49	0.17
1082542	Soil	250.0	2175	0.69	36.02	7.26	50.1	54	21.3	10.5	301	3.05	7.2	1.0	3.8	4.1	40.4	0.15	0.51	0.18
1082543	Soil	135.0	2040	0.52	34.62	7.00	49.1	44	22.5	10.4	413	2.84	7.2	1.1	4.8	4.2	50.5	0.12	0.39	0.29
1082544	Soil	435.0	820.0	0.60	16.43	3.63	21.5	50	7.1	3.3	119	1.06	4.1	0.3	1.2	0.4	17.9	0.10	0.28	0.11
1082545	Soil	475.0	1110	0.72	34.96	34.65	153.8	338	23.6	11.1	520	2.98	28.8	0.9	21.2	3.7	80.8	0.69	0.57	1.42



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Report Date: October 05, 2011

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

WHI11001344.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.01	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
1082524	Soil	0.30	0.084	13.3	42.0	0.61	149.4	0.067	2	1.88	0.019	0.07	0.1	2.5	0.13	<0.02	24	0.8	0.09	6.4
1082525	Soil	0.55	0.160	20.8	53.8	0.73	485.4	0.047	<1	2.69	0.013	0.06	<0.1	9.0	0.13	<0.02	32	0.2	0.08	6.7
1082526	Soil	0.27	0.049	8.8	46.6	0.76	122.9	0.113	1	2.68	0.015	0.07	<0.1	3.8	0.12	0.03	21	0.3	0.05	7.5
1082527	Soil	0.39	0.097	12.4	40.5	0.69	139.9	0.085	1	2.00	0.009	0.06	<0.1	3.9	0.10	<0.02	27	0.2	0.09	5.4
1082528	Soil	0.26	0.082	12.3	38.6	0.64	159.0	0.019	1	2.31	0.009	0.05	<0.1	1.7	0.14	0.07	78	0.2	0.06	6.6
1082529	Soil	0.36	0.071	13.1	34.4	0.66	253.6	0.054	<1	1.69	0.009	0.06	<0.1	4.3	0.10	<0.02	27	0.2	0.06	4.6
1082530 AGI DAGI B	Soil	0.04	0.020	8.2	20.2	0.15	66.1	0.018	1	1.08	<0.001	0.06	0.1	1.9	0.12	<0.02	37	2.5	0.37	8.2
1082531	Soil	0.38	0.097	25.7	41.4	0.80	193.6	0.046	2	2.06	0.008	0.08	0.1	5.3	0.18	0.06	28	0.3	0.19	5.7
1082532	Soil	0.20	0.042	8.0	39.9	0.59	136.8	0.071	1	2.28	0.006	0.04	<0.1	2.7	0.11	<0.02	19	0.2	0.08	8.0
1082533	Soil	0.26	0.063	12.2	32.2	0.55	147.1	0.046	<1	1.64	0.007	0.04	0.1	3.7	0.12	<0.02	25	0.2	0.03	4.3
1082534	Soil	0.21	0.046	8.1	20.0	0.35	116.6	0.039	<1	1.37	0.018	0.03	<0.1	1.6	0.09	0.03	25	0.3	0.07	5.0
1082535	Soil	0.42	0.083	9.7	28.6	0.60	183.6	0.056	1	1.91	0.012	0.05	0.1	3.0	0.10	<0.02	38	0.2	0.05	4.9
1082536	Soil	0.34	0.066	9.3	30.5	0.55	146.3	0.065	1	1.75	0.013	0.04	<0.1	2.8	0.08	<0.02	23	<0.1	<0.02	4.6
1082537	Soil	0.15	0.051	5.7	9.8	0.11	68.4	0.014	1	0.70	0.020	0.02	<0.1	0.8	0.08	0.04	30	0.2	<0.02	1.8
1082538	Soil	0.54	0.087	12.0	30.2	1.04	171.5	0.154	<1	1.73	0.009	0.15	<0.1	3.7	0.15	<0.02	11	<0.1	<0.02	5.7
1082539	Soil	0.61	0.072	12.8	28.8	0.74	154.4	0.081	1	2.07	0.013	0.07	<0.1	4.6	0.10	<0.02	19	<0.1	0.03	5.5
1082540	Soil	0.50	0.072	16.3	37.6	0.80	175.5	0.079	1	2.11	0.013	0.05	<0.1	6.3	0.09	<0.02	22	<0.1	0.04	5.9
1082541	Soil	0.37	0.061	13.2	33.4	0.76	146.2	0.101	1	2.03	0.013	0.08	<0.1	4.8	0.13	<0.02	25	<0.1	<0.02	6.0
1082542	Soil	0.37	0.056	11.9	32.4	0.83	154.8	0.117	1	2.16	0.012	0.11	0.1	5.1	0.14	<0.02	18	<0.1	0.03	6.2
1082543	Soil	0.44	0.054	11.8	34.3	0.80	159.9	0.099	1	2.23	0.011	0.06	<0.1	4.5	0.10	<0.02	18	0.1	0.02	5.8
1082544	Soil	0.13	0.024	3.2	9.4	0.17	58.0	0.024	<1	0.79	0.025	0.03	<0.1	0.8	0.05	<0.02	19	0.2	<0.02	2.5
1082545	Soil	0.56	0.094	11.7	35.1	0.69	145.8	0.084	<1	2.04	0.020	0.05	0.2	3.6	0.07	<0.02	26	0.1	0.47	5.4



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Page: 2 of 2 **Part** 3

CERTIFICATE OF ANALYSIS

WHI11001344.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1082524	Soil	<0.1	0.03	0.83	9.4	0.9	<0.05	1.6	6.45	28.3	0.05	<1	0.4	12.0	<10	<2	13.0
1082525	Soil	<0.1	0.08	0.12	5.8	0.6	<0.05	4.8	17.16	42.8	0.06	3	0.7	20.9	<10	<2	8.8
1082526	Soil	<0.1	0.09	1.54	7.3	1.6	<0.05	5.4	4.50	19.1	0.04	<1	0.5	20.9	<10	<2	14.4
1082527	Soil	<0.1	0.11	0.84	7.3	0.8	<0.05	4.0	8.57	24.9	0.04	<1	0.5	14.7	<10	<2	8.7
1082528	Soil	<0.1	<0.02	0.65	8.5	1.3	<0.05	0.8	7.80	20.5	0.07	<1	0.6	13.0	<10	<2	24.5
1082529	Soil	<0.1	0.06	0.29	6.6	0.8	<0.05	3.8	9.26	26.8	0.04	<1	0.5	14.1	<10	<2	7.3
1082530 AGI DAGI B	Soil	<0.1	0.11	0.34	9.3	0.6	<0.05	7.2	2.38	15.8	0.02	<1	0.3	6.9	<10	<2	11.5
1082531	Soil	<0.1	0.04	0.54	8.0	1.3	<0.05	1.8	11.84	53.8	0.11	<1	0.6	14.9	<10	<2	8.7
1082532	Soil	<0.1	0.04	1.26	6.9	1.4	<0.05	2.5	3.31	16.9	0.03	1	0.4	17.6	<10	<2	12.7
1082533	Soil	<0.1	0.05	0.55	6.1	0.8	<0.05	2.3	7.97	25.8	0.02	<1	0.6	11.7	<10	<2	8.1
1082534	Soil	<0.1	0.02	0.78	5.6	0.9	<0.05	1.4	3.53	14.7	<0.02	<1	0.4	9.6	<10	<2	16.2
1082535	Soil	<0.1	0.04	0.61	6.0	0.8	<0.05	2.0	5.05	18.3	0.03	<1	0.6	10.8	<10	<2	7.6
1082536	Soil	<0.1	0.04	0.70	5.3	0.9	<0.05	1.8	4.85	17.7	0.03	<1	0.3	10.9	<10	<2	8.8
1082537	Soil	<0.1	<0.02	0.22	2.9	0.4	<0.05	0.7	3.20	9.5	<0.02	<1	0.2	2.2	<10	<2	17.2
1082538	Soil	<0.1	0.09	0.35	17.2	0.9	<0.05	3.7	7.11	23.1	0.02	<1	0.4	16.4	<10	<2	5.2
1082539	Soil	<0.1	0.09	0.39	8.1	0.8	<0.05	4.0	7.25	23.6	0.04	<1	0.4	11.5	<10	<2	7.7
1082540	Soil	<0.1	0.07	0.45	6.1	2.5	<0.05	3.5	13.36	29.0	0.04	<1	0.6	14.4	<10	<2	7.5
1082541	Soil	<0.1	0.05	0.71	10.1	0.8	<0.05	2.3	7.94	24.7	0.04	<1	0.4	13.5	<10	<2	8.6
1082542	Soil	<0.1	0.08	0.70	12.7	0.8	<0.05	3.2	7.85	22.5	0.03	<1	0.5	14.0	<10	<2	8.1
1082543	Soil	<0.1	0.06	0.46	6.8	0.8	<0.05	3.8	7.04	22.2	0.03	<1	0.4	13.1	<10	<2	7.1
1082544	Soil	<0.1	<0.02	0.41	3.2	0.4	<0.05	0.7	1.46	6.2	<0.02	<1	0.1	4.5	<10	<2	10.5
1082545	Soil	<0.1	0.06	0.59	6.0	0.9	<0.05	3.1	7.09	23.6	0.05	<1	0.4	12.7	<10	<2	6.1



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Page: 1 of 1 Part 1

QUALITY CONTROL REPORT

WHI11001344.1

Method Analyte Unit MDL		SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0	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
Pulp Duplicates																					
1082524	Soil	255.0	1443	2.82	64.34	9.98	71.9	333	35.1	12.2	487	3.29	32.9	1.1	12.9	1.4	26.2	0.42	1.53	1.09	88
REP 1082524	QC			2.97	64.42	10.25	77.5	327	35.0	12.7	518	3.22	33.4	1.1	12.8	1.5	28.5	0.42	1.74	1.02	88
1082532	Soil	235.0	1275	1.98	34.45	11.31	86.7	110	28.4	13.6	541	4.02	15.9	0.7	4.3	1.5	24.9	0.34	0.93	0.29	81
REP 1082532	QC			2.01	34.00	11.60	84.6	111	27.2	13.2	527	3.94	15.3	0.7	3.3	1.6	24.2	0.33	0.93	0.26	79
1082535	Soil	480.0	1765	0.74	26.35	17.99	78.7	156	19.7	8.9	348	2.55	38.8	0.8	11.6	2.4	40.9	0.28	0.91	0.81	53
REP 1082535	QC			0.70	24.14	16.11	71.7	143	18.4	7.2	334	2.31	35.9	0.7	14.7	2.2	39.5	0.27	0.87	0.57	47
Reference Materials																					
STD DOLOMITE-2	Standard																				
STD DS8	Standard			11.23	105.7	121.8	294.6	1672	35.5	7.0	594	2.43	25.4	2.8	108.6	6.7	67.0	2.23	5.77	7.09	39
STD DS8	Standard			13.30	100.8	123.3	303.0	1754	35.5	7.2	584	2.40	23.9	2.8	111.1	6.7	68.1	2.23	5.44	6.53	39
STD DOLOMITE-2 Expected																					
STD DS8 Expected				13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1
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
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



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Report Date: October 05, 2011

Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

WHI11001344.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
		Pulp Duplicates																			
1082524	Soil	0.30	0.084	13.3	42.0	0.61	149.4	0.067	2	1.88	0.019	0.07	0.1	2.5	0.13	<0.02	24	0.8	0.09	6.4	3.31
REP 1082524	QC	0.30	0.086	14.6	42.4	0.60	150.3	0.087	3	1.84	0.022	0.08	0.2	2.7	0.16	0.05	22	0.9	0.09	6.4	3.72
1082532	Soil	0.20	0.042	8.0	39.9	0.59	136.8	0.071	1	2.28	0.006	0.04	<0.1	2.7	0.11	<0.02	19	0.2	0.08	8.0	1.20
REP 1082532	QC	0.20	0.041	8.1	38.9	0.57	141.1	0.069	1	2.19	0.006	0.04	<0.1	2.8	0.12	<0.02	24	0.2	0.09	7.9	1.21
1082535	Soil	0.42	0.083	9.7	28.6	0.60	183.6	0.056	1	1.91	0.012	0.05	0.1	3.0	0.10	<0.02	38	0.2	0.05	4.9	1.90
REP 1082535	QC	0.38	0.074	8.9	26.6	0.54	168.0	0.051	1	1.72	0.011	0.04	0.1	2.8	0.10	<0.02	19	0.1	0.03	4.4	1.70
Reference Materials																					
STD DOLOMITE-2	Standard																				
STD DS8	Standard	0.66	0.084	13.8	115.4	0.59	250.5	0.101	3	0.88	0.079	0.40	2.7	1.9	5.11	0.15	196	4.8	4.57	4.2	2.25
STD DS8	Standard	0.70	0.079	16.7	116.2	0.59	270.3	0.111	2	0.94	0.100	0.42	2.9	2.2	5.32	0.15	202	5.0	4.87	4.5	2.36
STD DOLOMITE-2 Expected																					
STD DS8 Expected		0.7	0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02



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Page: 1 of 1 Part 3

QUALITY CONTROL REPORT

WHI11001344.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
Pulp Duplicates																	
1082524	Soil	<0.1	0.03	0.83	9.4	0.9	<0.05	1.6	6.45	28.3	0.05	<1	0.4	12.0	<10	<2	13.0
REP 1082524	QC	<0.1	0.03	0.80	11.2	0.9	<0.05	1.3	6.89	29.1	0.04	7	0.5	12.5	<10	<2	13.0
1082532	Soil	<0.1	0.04	1.26	6.9	1.4	<0.05	2.5	3.31	16.9	0.03	1	0.4	17.6	<10	<2	12.7
REP 1082532	QC	<0.1	0.04	1.35	6.6	1.3	<0.05	2.7	3.38	17.0	0.04	<1	0.6	18.0	<10	<2	
1082535	Soil	<0.1	0.04	0.61	6.0	0.8	<0.05	2.0	5.05	18.3	0.03	<1	0.6	10.8	<10	<2	7.6
REP 1082535	QC	<0.1	0.02	0.53	5.4	0.7	<0.05	1.8	4.85	16.4	0.02	<1	0.4	10.5	<10	<2	
Reference Materials																	
STD DOLOMITE-2	Standard	45.7															
STD DS8	Standard	<0.1	0.08	0.96	35.6	6.9	<0.05	1.7	5.35	22.4	2.28	36	5.6	28.3	119	316	
STD DS8	Standard	<0.1	0.09	1.43	36.8	6.5	<0.05	2.0	6.26	29.1	2.05	58	5.0	25.8	110	342	
STD DOLOMITE-2 Expected		46															
STD DS8 Expected		0.13	0.08	1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	



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Submitted By: Andrea Langerud

Receiving Lab: Canada-Whitehorse

Received: September 15, 2011

Report Date: November 03, 2011

Page: 1 of 9

CERTIFICATE OF ANALYSIS

WHI11001387.1

CLIENT JOB INFORMATION

Project: 210800
Shipment ID: YTG-015
P.O. Number
Number of Samples: 239

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.

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

CC: Randy Farmer
Rupa Mukherjee

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	230	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	230	Dry at 60C			WHI
RJSV	230	Saving all or part of Soil Reject			WHI
1F06	232	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
2A05	237	Loss on Ignition at 1000 C		Completed	VAN

ADDITIONAL COMMENTS



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



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Project:

210800

Report Date:

November 03, 2011

Page:

2 of 9

Part 1

CERTIFICATE OF ANALYSIS

WHI11001387.1

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1075101	Soil	248.0	684.0	1.22	25.20	7.45	83.7	125	25.7	13.5	597	3.22	13.8	0.6	8.6	0.5	34.9	0.24	0.59	0.21
1075102	Soil	187.0	602.0	1.32	30.77	9.80	78.6	280	26.5	15.8	660	3.38	40.8	1.0	7.2	0.8	33.3	0.18	0.89	0.22
1075103	Soil	179.0	846.0	1.31	26.43	8.82	68.4	124	30.4	15.3	669	3.52	15.3	0.7	5.3	1.0	26.5	0.16	0.59	0.19
1075104	Soil	323.0	830.0	1.12	15.71	6.27	47.7	87	15.1	8.9	354	2.56	7.5	0.5	2.7	0.8	23.4	0.08	0.40	0.17
1075105	Soil	320.0	807.0	1.31	22.96	7.61	61.7	90	24.6	12.2	468	3.42	10.5	0.7	3.9	0.9	24.6	0.11	0.56	0.15
1075106	Soil	254.0	753.0	1.44	19.53	6.43	43.3	58	16.4	9.2	353	2.45	7.2	0.6	4.3	0.4	23.4	0.08	0.50	0.16
1075107	Soil	308.0	959.0	1.37	24.92	6.82	58.9	73	26.4	13.1	544	3.43	10.3	0.9	4.9	0.8	26.2	0.08	0.54	0.16
1075108	Soil	369.0	990.0	1.55	24.60	7.02	68.2	93	26.2	14.3	631	3.60	14.5	1.3	5.7	1.2	26.6	0.10	0.51	0.18
1075109	Soil	421.0	840.0	1.23	21.12	6.73	61.4	146	21.4	12.2	520	3.22	12.3	0.8	3.5	0.6	26.3	0.08	0.47	0.16
1075110 Agi Dag A	Rock Pulp			67.12	15.25	60.04	16.9	48	7.7	2.2	77	3.22	79.5	0.4	343.6	2.4	9.7	0.05	3.12	17.99
1075111	Soil	551.0	883.0	1.83	23.73	9.60	83.4	81	28.9	15.0	756	3.93	12.0	1.3	3.2	1.1	26.8	0.14	0.59	0.47
1075112	Soil	395.0	888.0	2.29	21.80	9.14	64.6	101	23.7	13.1	596	3.16	10.1	1.8	2.9	1.2	25.1	0.12	0.44	0.22
1075113	Soil	661.0	1274	2.76	24.24	9.70	77.9	165	25.9	13.1	639	3.62	10.2	1.7	4.7	1.3	34.3	0.12	0.54	0.27
1075114	Soil	305.0	788.0	2.21	21.01	7.63	62.7	128	23.2	12.6	606	3.25	8.8	1.0	2.3	0.6	24.8	0.13	0.53	0.15
1075115	Soil	376.0	769.0	3.19	22.21	7.77	65.3	116	23.5	12.9	655	3.28	8.7	1.5	4.4	1.2	27.8	0.09	0.50	0.20
1075116	Soil	388.0	1123	4.80	17.97	7.56	57.9	77	18.9	10.7	511	2.81	9.1	2.6	2.5	3.1	28.3	0.11	0.41	0.18
1075117	Soil	336.0	1213	5.44	22.74	9.03	69.5	99	24.9	9.0	266	3.19	8.7	4.4	4.9	4.1	33.8	0.13	0.50	0.17
1075118	Soil	233.0	1484	7.76	24.25	6.90	58.6	37	23.4	11.1	397	3.07	6.5	6.6	3.4	11.2	35.9	0.11	0.35	0.17
1075119	Soil	321.0	1424	6.72	23.12	9.95	57.7	105	23.5	11.2	531	3.08	7.6	3.0	5.4	4.9	28.8	0.10	0.40	0.18
1075120	Soil	141.0	1744	5.24	26.58	8.28	61.1	96	24.1	10.7	421	3.05	6.3	2.6	7.8	4.4	29.0	0.09	0.42	0.17
1075121	Soil	615.0	1046	3.63	27.28	10.37	73.6	151	27.7	13.4	662	3.81	11.3	2.7	2.8	1.6	29.9	0.15	0.71	0.19
1075122	Soil	413.0	1208	2.93	27.55	10.82	64.6	99	27.3	11.9	572	3.47	9.0	2.2	2.5	4.0	26.9	0.13	0.54	0.18
1075123	Soil	587.0	862.0	2.57	25.48	9.27	86.2	176	27.5	13.9	741	3.78	11.1	1.3	2.4	0.4	24.4	0.15	0.66	0.21
1075124	Soil	243.0	682.0	4.81	25.11	6.74	49.2	101	21.6	8.5	298	2.83	7.7	2.8	5.4	1.0	26.1	0.18	0.59	0.14
1075125	Soil	240.0	930.0	1.38	12.60	5.41	46.2	49	14.5	8.8	424	2.18	9.0	2.3	4.9	3.5	27.0	0.13	0.32	0.09
1075126	Soil	130.0	1132	1.12	18.89	6.47	59.9	81	26.0	12.9	582	3.30	15.0	2.4	3.5	4.9	36.1	0.18	0.43	0.11
1075127	Soil	314.0	579.0	1.47	23.51	7.64	70.1	114	24.6	13.9	665	3.26	15.7	3.8	3.3	2.2	40.0	0.19	0.56	0.15
1075128	Soil	145.0	484.0	1.22	20.50	7.25	72.3	105	23.7	13.2	639	2.88	9.8	3.7	2.3	3.1	43.3	0.20	0.49	0.14
1075129	Soil	318.0	855.0	1.44	18.31	7.23	53.7	66	16.7	9.1	456	2.89	8.4	0.8	2.3	0.9	24.1	0.12	0.51	0.15
1075130 Agi Dag B	Rock Pulp			2.45	7.08	21.56	15.4	15	8.5	3.0	78	3.36	55.5	0.7	88.5	3.9	28.7	0.03	0.85	1.56



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Project: 210800
Report Date: November 03, 2011

Page: 2 of 9 Part 2

CERTIFICATE OF ANALYSIS

WHI11001387.1

		Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
		Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		MDL	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1075101	Soil		0.67	0.065	7.9	35.7	0.59	126.2	0.048	3	1.53	0.020	0.05	0.1	2.6	0.09	0.06	40	0.2	0.03	5.3	0.93
1075102	Soil		0.64	0.080	11.5	38.3	0.64	112.3	0.047	3	1.67	0.021	0.08	0.2	2.9	0.13	0.09	69	0.2	0.03	5.9	1.59
1075103	Soil		0.41	0.052	8.6	37.1	0.70	131.7	0.048	2	2.06	0.013	0.06	0.1	2.9	0.12	0.05	31	0.1	0.04	5.9	1.28
1075104	Soil		0.34	0.035	6.2	27.1	0.42	76.7	0.050	2	1.22	0.023	0.04	<0.1	1.9	0.08	0.03	30	0.2	0.02	4.9	0.73
1075105	Soil		0.36	0.049	9.0	35.3	0.66	96.7	0.048	2	1.92	0.016	0.05	<0.1	2.8	0.11	0.04	34	0.2	0.03	5.9	1.19
1075106	Soil		0.59	0.061	8.4	28.8	0.39	118.2	0.039	3	1.14	0.019	0.03	<0.1	2.2	0.09	0.06	37	0.3	0.02	4.8	0.72
1075107	Soil		0.35	0.058	8.2	38.1	0.74	132.4	0.063	2	2.02	0.016	0.05	0.4	3.0	0.12	0.05	32	0.2	0.04	6.3	1.55
1075108	Soil		0.40	0.063	9.0	38.6	0.79	180.4	0.074	3	1.98	0.017	0.06	0.4	3.6	0.14	0.05	24	0.2	0.04	7.0	1.64
1075109	Soil		0.36	0.061	9.4	34.3	0.70	147.2	0.051	2	1.90	0.018	0.04	0.2	2.7	0.12	0.06	28	0.3	0.05	6.1	1.04
1075110 Agi Dagi A	Rock Pulp		0.02	0.019	6.2	13.4	0.11	46.2	0.008	1	0.84	<0.001	0.05	0.3	1.3	0.17	<0.02	25	7.4	3.35	3.9	0.74
1075111	Soil		0.34	0.074	11.4	44.7	0.90	185.2	0.061	2	2.53	0.009	0.05	<0.1	3.1	0.17	0.05	21	0.2	0.03	8.1	1.62
1075112	Soil		0.33	0.076	11.7	35.0	0.74	152.6	0.056	2	2.10	0.014	0.04	0.2	2.7	0.15	0.06	27	0.2	0.02	6.4	1.36
1075113	Soil		0.32	0.070	12.0	41.7	0.82	167.7	0.056	2	2.31	0.011	0.04	0.3	2.9	0.17	0.06	25	0.2	0.05	7.5	1.62
1075114	Soil		0.34	0.058	8.6	36.4	0.73	125.7	0.048	2	1.98	0.015	0.04	0.3	2.0	0.13	0.06	26	0.3	0.03	6.2	1.28
1075115	Soil		0.37	0.079	12.4	36.4	0.75	161.7	0.049	2	2.05	0.015	0.04	0.4	2.5	0.17	0.06	24	0.2	0.02	6.1	1.52
1075116	Soil		0.42	0.062	17.6	30.0	0.57	139.9	0.064	2	1.76	0.023	0.05	0.5	2.9	0.14	0.03	19	0.2	0.03	5.3	1.39
1075117	Soil		0.54	0.066	15.9	38.2	0.70	169.5	0.073	2	2.15	0.016	0.06	0.4	4.5	0.13	0.04	29	0.2	<0.02	6.2	1.58
1075118	Soil		0.49	0.055	15.7	33.7	0.73	198.3	0.134	2	1.93	0.021	0.08	2.2	3.9	0.26	<0.02	14	0.2	<0.02	5.7	2.33
1075119	Soil		0.44	0.063	13.0	34.2	0.68	140.3	0.089	2	1.86	0.015	0.05	1.9	3.3	0.14	0.03	27	0.2	<0.02	5.9	1.53
1075120	Soil		0.42	0.066	12.2	37.4	0.73	173.5	0.094	1	1.95	0.014	0.04	1.1	4.4	0.12	0.02	26	0.2	0.03	5.8	1.25
1075121	Soil		0.34	0.061	16.3	42.8	0.82	166.7	0.052	1	2.49	0.008	0.04	0.2	3.3	0.15	0.05	39	0.3	0.03	7.5	1.44
1075122	Soil		0.32	0.047	14.6	37.5	0.76	170.9	0.077	1	2.53	0.007	0.06	0.5	3.8	0.14	0.03	25	0.2	0.03	6.9	1.56
1075123	Soil		0.29	0.080	10.2	41.1	0.85	138.3	0.039	2	2.30	0.009	0.04	0.4	2.0	0.13	0.07	28	0.3	0.06	7.3	1.34
1075124	Soil		0.38	0.048	10.3	31.7	0.42	101.2	0.045	2	1.32	0.016	0.03	1.6	2.2	0.10	0.06	38	0.3	0.02	5.3	0.95
1075125	Soil		0.38	0.041	10.5	23.0	0.43	109.3	0.066	2	1.17	0.020	0.05	0.6	2.5	0.09	0.03	27	<0.1	<0.02	4.1	1.11
1075126	Soil		0.46	0.046	11.0	33.3	0.75	154.8	0.094	1	1.79	0.022	0.06	0.2	3.3	0.13	0.03	29	0.1	0.03	5.8	2.46
1075127	Soil		0.62	0.073	17.8	35.8	0.72	165.4	0.058	2	1.94	0.018	0.05	0.1	3.2	0.14	0.07	29	0.3	0.04	6.4	2.29
1075128	Soil		0.77	0.081	17.9	32.6	0.68	185.4	0.060	2	1.72	0.019	0.05	0.1	3.1	0.16	0.07	34	0.2	<0.02	5.8	2.12
1075129	Soil		0.36	0.047	6.8	28.1	0.43	91.7	0.055	1	1.31	0.017	0.04	0.1	2.0	0.09	0.04	35	0.2	0.03	5.8	1.21
1075130 Agi Dagi B	Rock Pulp		0.03	0.017	7.4	18.0	0.11	59.2	0.018	1	0.90	<0.001	0.06	0.1	1.8	0.10	0.02	30	2.3	0.35	7.4	0.71



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Project: 210800
Report Date: November 03, 2011

Page: 2 of 9 Part 3

CERTIFICATE OF ANALYSIS

WHI11001387.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1075101	Soil	<0.1	0.04	0.86	9.4	0.5	<0.05	1.8	5.62	20.4	0.04	<1	0.4	11.6	<10	<2	20.9
1075102	Soil	<0.1	0.04	1.07	12.9	0.6	<0.05	1.9	7.63	26.3	0.03	<1	0.6	13.5	<10	<2	23.5
1075103	Soil	<0.1	0.04	1.01	9.7	1.2	<0.05	2.1	5.17	22.5	0.03	<1	0.5	14.5	<10	<2	16.6
1075104	Soil	<0.1	0.03	0.84	6.6	0.5	<0.05	1.9	3.52	12.8	<0.02	<1	0.3	9.7	<10	<2	13.3
1075105	Soil	<0.1	0.03	0.95	7.8	0.8	<0.05	1.7	5.51	19.4	0.03	<1	0.4	14.4	<10	<2	15.8
1075106	Soil	<0.1	0.03	0.91	5.7	0.4	<0.05	1.7	5.11	17.5	0.02	<1	0.3	7.3	<10	<2	23.2
1075107	Soil	<0.1	0.03	1.10	8.9	0.7	<0.05	2.1	5.36	18.4	0.02	<1	0.4	14.7	<10	<2	16.8
1075108	Soil	<0.1	0.04	1.12	10.4	0.6	<0.05	2.1	5.68	19.6	0.04	<1	0.5	15.1	<10	<2	15.5
1075109	Soil	<0.1	0.03	0.93	8.4	0.6	<0.05	1.6	6.32	19.0	0.03	<1	0.4	11.1	<10	<2	18.3
1075110 Agi Dagi A	Rock Pulp	<0.1	<0.02	0.35	7.9	2.5	<0.05	0.5	1.31	13.8	0.06	<1	0.2	5.2	<10	7	8.6
1075111	Soil	<0.1	0.02	0.92	12.6	0.7	<0.05	1.3	6.15	23.5	0.04	<1	0.6	16.5	<10	<2	15.1
1075112	Soil	<0.1	0.02	0.93	10.0	1.3	<0.05	1.6	6.01	23.5	0.03	<1	0.4	13.9	<10	<2	15.3
1075113	Soil	<0.1	<0.02	1.07	10.5	0.7	<0.05	1.2	6.26	23.8	0.03	1	0.6	16.5	<10	<2	15.8
1075114	Soil	<0.1	<0.02	0.85	9.5	0.6	<0.05	1.1	4.97	17.9	0.03	<1	0.3	12.3	<10	<2	17.4
1075115	Soil	<0.1	<0.02	0.90	9.9	0.8	<0.05	1.2	5.88	24.2	0.03	<1	0.5	13.9	<10	<2	16.3
1075116	Soil	<0.1	0.05	1.21	9.9	0.6	<0.05	2.5	7.88	31.1	0.02	<1	0.4	12.9	<10	<2	13.4
1075117	Soil	<0.1	0.05	1.11	11.5	0.6	<0.05	3.0	7.75	26.2	0.03	<1	0.4	16.1	<10	<2	13.4
1075118	Soil	<0.1	0.08	1.45	19.4	1.1	<0.05	4.8	6.29	35.1	0.02	<1	0.3	17.8	<10	<2	7.0
1075119	Soil	<0.1	0.05	1.20	11.3	0.7	<0.05	2.5	5.54	26.5	0.03	<1	0.6	13.9	<10	<2	10.0
1075120	Soil	<0.1	0.05	0.87	8.4	0.9	<0.05	2.9	6.62	23.0	0.03	<1	0.3	13.6	<10	<2	7.9
1075121	Soil	<0.1	<0.02	0.91	9.1	0.6	<0.05	1.3	8.64	32.2	0.03	<1	0.5	15.4	<10	<2	14.4
1075122	Soil	<0.1	0.04	1.12	10.4	1.0	<0.05	2.0	7.59	34.6	0.02	<1	0.6	14.6	<10	<2	11.2
1075123	Soil	<0.1	<0.02	0.81	9.0	0.6	<0.05	0.9	5.92	20.8	0.03	<1	0.5	15.7	<10	<2	18.3
1075124	Soil	<0.1	0.03	0.99	6.0	0.5	<0.05	1.6	4.63	19.1	0.02	1	0.5	8.6	<10	<2	21.8
1075125	Soil	<0.1	0.04	0.92	7.9	0.6	<0.05	2.0	4.86	19.7	<0.02	<1	0.2	10.0	<10	<2	12.2
1075126	Soil	<0.1	0.04	1.21	10.4	0.7	<0.05	2.4	5.07	28.5	0.03	<1	0.4	16.6	<10	<2	11.2
1075127	Soil	<0.1	0.03	1.06	9.6	0.6	<0.05	1.6	8.08	29.7	0.03	<1	0.6	16.1	<10	<2	19.8
1075128	Soil	<0.1	0.03	1.28	12.7	0.9	<0.05	2.1	7.87	32.4	0.03	<1	0.4	15.7	<10	<2	23.5
1075129	Soil	<0.1	0.03	0.88	7.2	0.6	<0.05	1.5	3.47	14.2	0.03	<1	0.2	11.2	<10	<2	16.1
1075130 Agi Dagi B	Rock Pulp	<0.1	0.13	0.42	8.0	0.5	<0.05	6.3	2.42	14.8	<0.02	<1	0.2	5.2	<10	<2	10.6



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Project: 210800
Report Date: November 03, 2011

Page: 3 of 9 Part 1

CERTIFICATE OF ANALYSIS

WHI11001387.1

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1075131	Soil	172.0	755.0	1.33	21.28	6.59	54.2	103	19.2	10.0	441	2.60	8.3	2.1	2.7	2.4	36.7	0.20	0.47	0.21
1075132	Soil	156.0	1411	1.29	21.77	7.70	61.4	107	21.3	12.1	587	2.92	10.1	4.4	11.7	4.1	46.7	0.18	0.53	0.18
1075133	Soil	121.0	1422	1.24	20.55	7.64	60.7	103	21.4	12.3	639	3.18	16.2	3.9	3.1	8.1	51.7	0.15	0.72	0.19
1075134	Soil	24.00	1284	2.28	25.38	7.34	59.1	110	23.7	12.4	575	3.11	11.8	5.4	3.4	4.8	42.7	0.28	1.15	0.18
1075135	Soil	192.0	792.0	1.87	24.54	7.54	68.7	99	24.6	12.3	604	3.36	11.2	5.3	3.2	3.2	48.9	0.23	0.56	0.34
1075136	Soil	204.0	731.0	1.44	22.68	7.90	66.0	125	22.2	13.7	693	3.29	12.3	5.6	6.5	4.0	36.8	0.16	0.54	0.19
1075137	Soil	53.00	917.0	1.45	23.37	8.70	64.1	114	25.3	14.9	576	3.54	12.0	4.7	4.0	7.2	29.3	0.20	0.59	0.26
1075138	Soil	141.0	785.0	2.27	18.60	7.85	64.3	109	21.5	13.6	681	3.20	8.3	4.8	4.4	9.8	43.9	0.17	0.43	0.19
1075139	Soil	190.0	572.0	1.92	28.70	7.31	69.8	111	25.1	12.0	936	3.21	8.5	4.2	6.7	3.6	33.1	0.25	0.57	0.22
1075140	Soil	107.0	431.0	0.90	29.53	5.55	64.0	97	22.9	8.1	277	2.48	3.7	1.8	1.7	1.6	20.7	0.49	0.53	0.17
1075141	Soil	129.0	1279	1.52	24.00	10.28	68.4	184	24.5	13.4	687	3.32	19.9	6.2	5.0	7.1	44.2	0.21	0.79	0.19
1075142	Soil	179.0	1190	1.57	26.47	11.12	64.9	214	25.9	14.6	860	3.48	22.9	6.7	6.3	6.5	38.2	0.26	0.77	0.23
1075405	Soil	181.0	1307	1.39	33.10	6.37	68.2	111	35.7	13.6	449	3.24	23.0	1.0	2.8	2.0	38.0	0.15	0.73	0.16
1075406	Soil	79.00	1102	1.49	37.85	6.38	72.5	147	38.2	13.4	351	3.01	8.0	1.1	3.3	2.2	37.0	0.13	0.49	0.17
1075407	Soil	175.0	568.0	1.74	51.63	6.60	56.7	231	36.6	14.4	1157	2.37	8.4	1.5	4.5	0.7	49.0	0.19	0.70	0.16
1075408	Soil	256.0	1424	1.07	43.81	6.15	64.0	125	46.4	16.8	440	3.34	21.5	0.8	5.1	2.2	38.0	0.08	0.46	0.12
1075409	Soil	225.0	772.0	1.16	46.84	5.24	52.1	180	29.8	10.9	458	2.25	7.0	1.0	3.0	0.7	47.8	0.17	0.71	0.16
1075410 Agi Dagi A	Rock Pulp			72.83	20.73	74.79	20.5	52	10.2	2.8	94	3.66	89.0	0.6	449.7	3.1	14.0	0.05	3.95	21.61
1075411	Soil	151.0	1599	1.21	42.35	7.24	69.7	148	39.4	13.8	370	3.14	7.7	1.2	4.3	2.0	34.0	0.13	0.62	0.44
1075412	Soil	148.0	1200	1.34	51.86	8.20	80.2	166	40.8	14.9	386	3.58	10.4	1.5	6.5	1.7	38.3	0.12	0.63	0.37
1075413	Soil	272.0	1016	1.25	41.21	7.55	74.8	154	31.5	13.7	522	3.14	7.8	3.5	4.9	1.1	43.8	0.12	0.72	0.23
1075414	Soil	126.0	429.0	0.72	35.13	5.21	60.9	98	31.2	13.3	534	2.47	5.7	0.9	8.1	1.6	49.1	0.18	0.47	0.14
1075415	Soil	270.0	1606	0.96	45.05	5.94	58.0	123	38.0	14.8	578	2.98	8.1	1.5	5.7	2.3	51.3	0.20	0.56	0.14
1075416	Soil	233.0	896.0	0.82	35.65	5.12	66.6	81	31.8	12.3	459	2.59	5.8	0.9	2.5	1.7	46.6	0.17	0.52	0.12
1075417	Soil	166.0	1253	1.56	28.38	6.78	68.3	123	27.3	14.7	742	2.59	6.4	1.1	12.1	1.7	40.6	0.17	0.54	0.15
1075418	Soil	385.0	1321	1.29	38.50	6.34	75.2	142	34.1	15.2	590	2.66	6.0	1.7	3.6	1.9	40.9	0.24	0.59	0.15
1075419	Soil	127.0	1486	1.12	26.69	6.05	72.9	72	29.4	15.3	544	2.97	6.3	1.0	2.1	2.1	36.2	0.20	0.51	0.13
1075420	Soil	203.0	701.0	1.11	30.35	6.17	70.1	80	27.9	15.4	726	2.80	6.4	1.5	2.8	2.2	42.2	0.20	0.48	0.15
1075421	Soil	316.0	1231	1.06	31.00	5.25	64.1	94	26.8	11.6	446	2.65	5.8	1.3	7.1	2.0	40.7	0.16	0.51	0.11
1075422	Soil	281.0	820.0	1.13	35.31	5.41	65.2	135	29.8	13.3	461	2.67	6.0	1.6	5.1	1.9	41.2	0.09	0.55	0.12



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Report Date: November 03, 2011

Page: 3 of 9 Part 2

CERTIFICATE OF ANALYSIS

WHI11001387.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.01	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
1075131	Soil	0.62	0.073	16.4	28.0	0.48	138.8	0.057	2	1.39	0.018	0.05	0.2	2.4	0.13	0.06	59	0.3	0.03	5.4
1075132	Soil	0.78	0.074	23.9	30.7	0.64	184.1	0.066	2	1.72	0.022	0.07	0.1	3.0	0.16	0.06	39	0.2	0.05	5.9
1075133	Soil	0.59	0.062	20.7	29.6	0.70	195.6	0.090	2	1.79	0.020	0.08	0.3	3.5	0.19	0.03	25	0.2	0.02	6.3
1075134	Soil	0.64	0.074	27.6	31.9	0.64	184.4	0.100	3	1.72	0.024	0.09	0.3	3.5	0.21	0.05	31	<0.1	0.03	6.2
1075135	Soil	0.85	0.076	21.8	35.1	0.67	180.9	0.073	2	1.97	0.020	0.06	0.2	3.2	0.17	0.06	38	0.3	0.03	6.7
1075136	Soil	0.59	0.077	23.3	31.6	0.63	194.7	0.066	2	1.87	0.016	0.05	0.1	3.1	0.19	0.07	31	0.2	0.03	6.8
1075137	Soil	0.37	0.064	16.7	33.8	0.66	129.3	0.101	3	1.89	0.022	0.06	0.3	3.8	0.17	0.05	52	0.3	0.05	6.6
1075138	Soil	0.71	0.070	22.2	32.1	0.76	192.8	0.122	3	1.82	0.025	0.07	0.9	4.2	0.19	0.04	30	0.2	0.03	6.4
1075139	Soil	0.53	0.084	19.6	32.5	0.49	132.0	0.080	3	1.66	0.025	0.07	0.2	3.4	0.14	0.05	42	0.1	<0.02	6.0
1075140	Soil	0.34	0.051	9.4	30.9	0.35	100.0	0.056	2	1.17	0.029	0.04	0.1	2.6	0.11	0.04	55	0.2	0.03	4.5
1075141	Soil	0.73	0.065	19.8	31.5	0.68	159.3	0.090	3	1.82	0.028	0.06	0.5	4.6	0.16	0.04	32	0.1	<0.02	6.1
1075142	Soil	0.57	0.060	20.0	34.0	0.64	167.5	0.080	2	1.94	0.027	0.06	0.3	4.6	0.17	0.04	40	0.2	0.03	6.3
1075405	Soil	0.60	0.046	10.2	44.6	0.86	190.9	0.122	2	2.16	0.034	0.08	0.1	4.7	0.12	0.04	23	0.2	0.03	6.2
1075406	Soil	0.52	0.052	10.9	53.5	0.81	155.2	0.123	2	2.01	0.028	0.10	0.2	4.6	0.14	0.03	34	0.2	<0.02	6.3
1075407	Soil	0.94	0.090	16.5	34.1	0.56	475.5	0.050	3	1.52	0.035	0.04	0.2	3.0	0.13	0.09	55	0.6	0.02	4.3
1075408	Soil	0.63	0.047	11.4	60.6	1.02	137.2	0.145	3	2.25	0.031	0.08	0.1	5.2	0.15	0.03	34	0.3	0.02	6.5
1075409	Soil	1.21	0.087	17.5	30.0	0.54	136.3	0.054	3	1.43	0.038	0.05	0.1	3.2	0.10	0.08	41	0.4	0.03	4.3
1075410 Agi Dagi A	Rock Pulp	0.03	0.022	8.4	15.9	0.13	56.4	0.010	<1	1.02	<0.001	0.06	0.3	1.7	0.20	<0.02	23	8.0	3.59	4.7
1075411	Soil	0.59	0.055	13.3	49.9	0.90	177.3	0.102	2	2.28	0.027	0.07	0.1	5.4	0.13	0.03	55	0.3	<0.02	6.4
1075412	Soil	0.63	0.070	15.0	52.0	0.91	201.1	0.091	2	2.38	0.029	0.07	0.1	5.9	0.12	0.04	43	0.3	0.04	6.9
1075413	Soil	0.83	0.106	15.5	45.6	0.76	185.6	0.064	2	2.01	0.034	0.05	0.1	4.6	0.14	0.07	51	0.4	0.05	6.2
1075414	Soil	1.31	0.072	11.7	40.8	0.79	161.1	0.093	3	1.54	0.039	0.07	0.1	4.1	0.12	0.06	28	0.2	<0.02	4.7
1075415	Soil	1.35	0.066	15.8	47.6	0.87	158.4	0.113	3	1.80	0.051	0.09	0.1	5.0	0.15	0.04	28	0.4	<0.02	5.4
1075416	Soil	1.24	0.077	12.0	41.1	0.79	139.2	0.103	4	1.55	0.041	0.09	<0.1	4.4	0.13	0.05	28	0.1	<0.02	4.8
1075417	Soil	0.84	0.066	10.5	39.3	0.70	142.0	0.086	2	1.49	0.032	0.07	0.1	3.5	0.12	0.05	40	0.3	0.03	5.4
1075418	Soil	0.90	0.079	14.1	42.5	0.78	184.6	0.090	3	1.74	0.033	0.08	0.2	4.4	0.12	0.04	34	0.3	0.06	5.4
1075419	Soil	0.63	0.074	11.3	43.1	0.80	146.1	0.109	2	1.73	0.031	0.09	0.1	4.0	0.13	0.03	24	0.2	0.02	5.7
1075420	Soil	0.87	0.074	13.2	38.4	0.78	200.4	0.110	2	1.72	0.034	0.08	0.2	4.2	0.14	0.05	31	0.4	0.02	5.6
1075421	Soil	0.89	0.074	12.7	38.0	0.75	154.3	0.105	2	1.58	0.035	0.08	0.1	3.9	0.11	0.05	25	0.3	<0.02	4.9
1075422	Soil	0.90	0.079	13.8	40.5	0.77	172.1	0.102	3	1.71	0.035	0.08	0.1	4.1	0.13	0.05	31	0.3	0.04	5.4



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Project: 210800

Report Date: November 03, 2011

Page: 3 of 9 Part 3

CERTIFICATE OF ANALYSIS

WHI11001387.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1075131	Soil	<0.1	0.04	1.30	10.8	0.5	<0.05	1.9	5.72	27.1	0.03	<1	0.3	12.0	<10	<2	21.7
1075132	Soil	<0.1	0.05	1.45	13.2	0.8	<0.05	2.3	9.11	36.8	<0.02	<1	0.5	16.1	<10	<2	21.1
1075133	Soil	<0.1	0.04	1.48	16.2	0.6	<0.05	2.2	7.73	39.9	0.03	<1	0.5	19.6	<10	<2	13.2
1075134	Soil	<0.1	0.04	1.72	18.4	0.7	<0.05	2.1	10.43	38.2	<0.02	<1	0.4	15.8	<10	<2	16.5
1075135	Soil	<0.1	0.03	1.54	12.1	0.6	<0.05	2.3	10.25	30.8	0.04	<1	0.4	16.5	<10	<2	21.3
1075136	Soil	<0.1	0.04	1.64	11.4	0.6	<0.05	2.3	8.74	33.5	0.03	<1	0.5	16.7	<10	<2	22.3
1075137	Soil	<0.1	0.05	2.09	11.4	0.7	<0.05	2.8	6.27	31.4	0.06	<1	0.4	19.5	<10	<2	16.0
1075138	Soil	<0.1	0.07	2.19	17.1	0.9	<0.05	2.8	9.16	34.9	0.03	<1	0.5	19.6	<10	<2	16.2
1075139	Soil	<0.1	0.05	1.63	14.2	0.6	<0.05	2.1	8.29	25.6	0.03	<1	0.6	11.5	<10	2	19.4
1075140	Soil	<0.1	0.04	1.11	4.9	0.7	<0.05	2.3	4.33	15.7	0.03	<1	0.3	6.8	<10	<2	16.7
1075141	Soil	<0.1	0.04	1.59	13.6	0.9	<0.05	2.6	8.94	33.7	0.03	<1	0.7	17.4	<10	<2	17.1
1075142	Soil	<0.1	0.05	1.54	11.9	0.9	<0.05	2.4	10.33	34.5	0.04	<1	0.6	17.6	<10	<2	17.5
1075405	Soil	<0.1	0.07	1.50	12.1	0.6	<0.05	3.1	5.24	18.4	0.03	<1	0.4	17.6	<10	<2	13.3
1075406	Soil	<0.1	0.08	1.61	14.1	0.7	<0.05	3.3	6.17	19.7	0.03	<1	0.4	18.1	<10	<2	11.2
1075407	Soil	<0.1	0.06	1.14	7.7	0.5	<0.05	2.5	16.36	29.3	0.02	<1	0.6	8.4	<10	<2	27.4
1075408	Soil	<0.1	0.08	1.82	12.9	1.1	<0.05	4.1	6.60	20.5	0.03	<1	0.5	17.6	<10	<2	11.0
1075409	Soil	<0.1	0.07	1.18	7.6	0.5	<0.05	3.2	15.03	25.9	<0.02	<1	0.4	7.9	<10	<2	26.3
1075410 Agi Dagi A	Rock Pulp	<0.1	<0.02	0.52	9.8	3.2	<0.05	0.6	1.65	16.2	0.08	<1	0.4	6.4	<10	7	5.6
1075411	Soil	<0.1	0.07	1.22	11.0	0.7	<0.05	3.5	9.86	24.3	0.04	<1	0.5	19.0	<10	<2	11.4
1075412	Soil	<0.1	0.07	1.20	13.3	1.0	<0.05	2.9	13.22	27.9	0.03	<1	0.6	17.2	<10	<2	13.5
1075413	Soil	<0.1	0.07	1.07	7.6	0.8	<0.05	3.2	12.69	28.3	0.03	<1	0.5	13.2	<10	<2	18.7
1075414	Soil	<0.1	0.07	1.57	8.4	0.5	<0.05	4.2	9.02	22.4	0.03	2	0.4	12.9	<10	<2	21.7
1075415	Soil	<0.1	0.09	1.72	12.5	0.5	<0.05	4.9	13.20	29.1	0.02	<1	0.4	15.5	<10	<2	18.9
1075416	Soil	<0.1	0.08	1.50	12.1	0.5	<0.05	4.6	9.25	23.3	0.02	<1	0.3	12.1	<10	<2	19.2
1075417	Soil	<0.1	0.08	1.44	12.4	0.8	<0.05	2.9	6.27	21.1	0.02	<1	0.3	14.3	<10	<2	18.5
1075418	Soil	<0.1	0.07	1.49	13.4	0.6	<0.05	3.4	10.17	27.0	<0.02	<1	0.4	16.4	<10	<2	15.8
1075419	Soil	<0.1	0.05	1.43	14.8	0.8	<0.05	2.8	7.15	21.9	0.02	<1	0.4	16.1	<10	<2	11.8
1075420	Soil	<0.1	0.06	1.64	14.5	0.6	<0.05	3.6	8.95	24.2	0.02	<1	0.3	14.4	<10	<2	18.1
1075421	Soil	<0.1	0.08	1.51	13.0	0.6	<0.05	3.7	8.90	23.4	0.02	<1	0.3	12.8	<10	<2	17.0
1075422	Soil	<0.1	0.05	1.53	13.0	0.6	<0.05	3.8	10.00	24.8	0.03	1	0.3	13.2	<10	<2	19.6



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Project: 210800
Report Date: November 03, 2011

Page: 4 of 9 Part 1

CERTIFICATE OF ANALYSIS

WHI11001387.1

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1075423	Soil	304.0	944.0	0.99	55.95	6.05	62.3	126	36.7	13.3	603	2.74	7.9	1.5	3.3	1.5	46.5	0.17	0.56	0.13
1075424	Soil	292.0	1988	0.95	37.33	5.38	64.0	90	34.3	12.7	501	2.99	7.6	0.7	2.3	2.6	48.0	0.20	0.47	0.11
1075425	Soil	255.0	1803	0.83	57.42	6.53	63.9	124	39.6	15.0	572	2.97	6.8	0.7	5.7	2.5	51.5	0.25	0.57	0.12
1075426	Soil	282.0	1435	1.37	41.40	5.57	55.7	105	31.2	13.8	887	2.75	7.4	1.3	3.1	1.5	50.3	0.20	0.57	0.12
1075427	Soil	309.0	1602	0.85	38.17	5.50	61.6	83	34.8	14.1	560	2.95	6.7	0.8	1.9	2.2	48.8	0.18	0.51	0.12
1075428	Soil	260.0	1508	0.80	45.51	5.26	61.2	107	37.0	14.5	531	2.89	6.6	0.8	3.8	2.2	47.1	0.21	0.54	0.12
1075429	Soil	215.0	711.0	1.03	45.13	5.30	61.5	123	33.3	11.8	461	2.43	6.0	1.2	4.3	1.3	60.4	0.22	0.78	0.14
1075430 Agi Dagi B	Rock Pulp			2.76	8.80	27.44	17.9	15	10.5	3.4	94	3.73	60.9	0.9	140.0	4.4	34.8	0.03	0.97	1.72
1075431	Soil	272.0	772.0	2.59	47.28	5.32	82.2	145	34.7	12.4	577	2.63	6.6	1.2	6.0	1.5	48.7	0.30	0.73	0.22
1075432	Soil	201.0	730.0	0.99	34.18	5.49	63.9	103	28.2	11.8	505	2.63	6.7	1.0	4.8	1.5	50.4	0.14	0.50	0.14
1075433	Soil	329.0	1010	0.98	34.27	5.48	63.0	100	25.6	13.0	661	2.81	5.9	1.2	14.9	2.1	45.3	0.16	0.53	0.13
1075434	Soil	308.0	758.0	1.13	39.97	5.76	68.9	112	28.2	14.4	424	2.88	5.7	1.4	11.2	2.0	42.1	0.20	0.52	0.14
1075435	Soil	161.0	1505	0.57	39.56	5.88	66.4	56	38.6	15.3	446	3.28	7.4	0.6	7.6	2.7	34.3	0.19	0.54	0.19
1075436	Soil	70.00	1985	0.85	35.74	5.32	73.9	115	35.3	13.8	552	3.08	6.6	0.7	7.4	2.2	39.5	0.24	0.43	0.17
1075437	Soil	75.00	1804	0.81	51.38	6.35	72.5	127	41.1	15.0	540	3.37	8.6	0.9	7.4	2.2	46.2	0.25	0.53	0.16
1075438	Soil	305.0	1356	0.94	24.22	55.91	120.4	107	23.8	11.6	532	3.10	27.7	0.6	8.9	1.8	22.8	0.92	1.95	0.31
1075439	Soil	15.00	1351	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1075440	Soil	48.00	1713	0.60	24.46	22.09	77.0	327	25.2	9.2	291	2.39	17.6	0.6	11.4	2.2	25.0	0.39	1.96	0.43
1075441	Soil	174.0	1030	2.21	39.41	14.37	67.1	264	28.2	12.4	627	4.20	31.0	0.7	5.9	1.2	28.5	0.25	1.36	0.29
1075442	Soil	219.0	1002	2.14	41.77	11.05	51.5	276	21.2	9.2	411	3.19	19.5	0.6	3.1	0.9	28.4	0.27	1.05	0.28
1075443	Soil	75.00	1377	1.82	26.40	11.91	66.8	120	25.4	14.1	767	3.91	44.0	0.6	6.3	1.9	24.0	0.19	1.37	0.37
1075444	Soil	126.0	1274	0.79	28.64	8.74	74.4	69	32.8	18.0	717	3.51	19.3	0.6	3.2	3.5	19.7	0.25	1.01	0.32
1075445	Soil	164.0	830.0	1.57	22.36	7.35	38.2	83	11.4	8.2	400	2.22	11.8	0.5	3.0	1.1	17.9	0.14	0.62	0.23
1075446	Soil	455.0	1625	0.80	27.00	7.24	61.0	77	23.2	10.7	467	2.93	25.4	0.6	21.4	2.7	22.0	0.16	0.78	0.19
1075447	Soil	228.0	1549	0.80	34.71	7.79	53.6	44	28.6	14.8	494	3.40	24.5	0.6	8.2	3.5	26.2	0.14	0.76	0.25
1075448	Soil	281.0	1751	0.67	30.64	9.83	60.6	121	26.7	11.2	262	2.95	13.7	2.4	5.5	3.5	26.8	0.17	0.89	0.26
1075449	Soil	154.0	1334	0.68	31.62	7.66	60.8	66	25.9	10.1	240	2.90	8.1	0.9	3.1	2.4	33.7	0.08	0.51	0.17
1075450 GS-1	Rock Pulp			0.75	21.65	9.22	54.6	35	26.0	12.6	458	2.96	4.5	1.5	0.5	7.9	91.9	0.06	0.21	0.22
1075451	Soil	145.0	1794	0.60	26.37	7.32	51.8	43	23.2	14.1	672	2.70	6.8	0.9	8.8	4.8	29.4	0.15	0.66	0.17
1075452	Soil	133.0	1214	1.63	42.87	7.89	55.4	192	27.0	14.3	590	3.01	9.4	1.7	4.7	1.7	37.9	0.20	0.69	0.22



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Report Date: November 03, 2011

Page: 4 of 9 Part 2

CERTIFICATE OF ANALYSIS

WHI11001387.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.01	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
1075423	Soil	1.04	0.076	17.7	38.6	0.69	219.3	0.085	1	1.69	0.039	0.05	0.1	4.3	0.12	0.05	39	0.5	0.03	5.2
1075424	Soil	1.12	0.084	13.0	46.9	1.02	128.8	0.131	3	1.80	0.066	0.12	0.1	5.1	0.15	<0.02	18	0.2	0.02	5.4
1075425	Soil	1.43	0.077	14.1	47.9	0.99	153.0	0.120	3	1.75	0.049	0.13	0.1	5.2	0.16	0.02	32	0.4	0.02	5.4
1075426	Soil	1.36	0.073	14.1	37.7	0.74	158.1	0.097	2	1.61	0.042	0.06	0.1	4.2	0.09	0.05	40	0.3	<0.02	5.2
1075427	Soil	1.22	0.076	13.1	42.7	0.86	157.1	0.121	3	1.73	0.052	0.10	<0.1	4.6	0.11	0.02	23	0.2	0.03	5.4
1075428	Soil	1.14	0.073	14.1	43.3	0.86	171.0	0.115	2	1.69	0.047	0.09	0.1	4.8	0.13	0.03	29	0.4	<0.02	5.3
1075429	Soil	1.35	0.076	12.6	36.8	0.71	179.0	0.089	3	1.51	0.041	0.07	0.1	3.7	0.12	0.07	41	0.6	<0.02	5.1
1075430 Agi Dag B	Rock Pulp	0.04	0.019	9.6	20.8	0.14	70.9	0.022	2	1.11	0.002	0.07	0.1	2.1	0.12	0.03	36	2.6	0.36	8.9
1075431	Soil	1.03	0.080	11.9	39.9	0.72	217.2	0.088	2	1.57	0.038	0.07	0.1	3.7	0.12	0.06	29	0.9	0.02	5.4
1075432	Soil	1.10	0.063	10.8	39.2	0.72	199.9	0.102	3	1.58	0.042	0.09	0.1	3.7	0.13	0.06	39	0.3	<0.02	5.2
1075433	Soil	0.92	0.074	12.7	34.1	0.75	245.2	0.126	3	1.73	0.040	0.10	0.2	3.6	0.15	0.06	41	0.3	<0.02	5.6
1075434	Soil	0.75	0.079	13.0	37.2	0.80	250.3	0.125	3	2.00	0.038	0.08	0.2	4.0	0.15	0.06	36	0.3	<0.02	6.5
1075435	Soil	0.75	0.067	11.8	49.0	1.02	180.3	0.108	2	2.13	0.040	0.09	0.1	4.6	0.12	<0.02	16	0.2	0.03	6.2
1075436	Soil	0.94	0.093	11.7	46.2	0.94	161.5	0.106	4	1.79	0.041	0.11	0.2	4.6	0.14	0.03	22	0.2	<0.02	5.5
1075437	Soil	1.19	0.078	13.3	51.0	1.02	200.2	0.102	3	1.95	0.040	0.12	0.1	5.0	0.15	0.05	45	0.4	0.03	5.8
1075438	Soil	0.34	0.074	11.7	39.2	0.78	186.5	0.058	2	1.98	0.010	0.05	0.1	3.0	0.15	0.03	26	0.1	0.04	5.9
1075439	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1075440	Soil	0.41	0.090	11.4	41.4	0.79	226.3	0.067	2	2.19	0.010	0.06	0.1	3.5	0.13	0.03	45	0.2	0.03	6.4
1075441	Soil	0.32	0.061	13.6	41.1	0.66	357.2	0.051	2	2.49	0.010	0.06	0.1	3.3	0.15	0.05	42	0.2	0.07	8.5
1075442	Soil	0.31	0.052	14.8	27.7	0.42	296.4	0.049	<1	1.66	0.013	0.05	0.1	2.3	0.12	0.06	34	0.2	0.08	7.3
1075443	Soil	0.29	0.050	11.2	40.7	0.78	191.7	0.048	1	2.13	0.009	0.07	0.1	3.0	0.16	0.04	16	0.2	0.03	7.8
1075444	Soil	0.26	0.036	9.6	38.3	0.79	197.4	0.083	1	2.45	0.011	0.07	0.1	3.7	0.07	0.03	27	0.3	0.06	6.5
1075445	Soil	0.19	0.033	7.1	19.6	0.29	116.5	0.051	1	1.36	0.017	0.04	0.1	1.7	0.11	0.02	25	0.1	0.07	5.6
1075446	Soil	0.34	0.066	9.3	31.9	0.63	135.9	0.085	1	1.81	0.017	0.05	0.1	2.8	0.08	0.02	30	0.2	<0.02	5.5
1075447	Soil	0.33	0.042	10.3	38.3	0.75	166.0	0.097	1	2.35	0.016	0.06	0.1	3.4	0.10	<0.02	15	0.2	0.04	6.1
1075448	Soil	0.38	0.062	14.5	39.5	0.76	230.5	0.080	1	2.33	0.017	0.06	<0.1	5.3	0.12	0.03	57	0.2	0.04	6.2
1075449	Soil	0.58	0.080	9.9	43.9	0.75	208.3	0.082	1	2.15	0.016	0.07	0.1	4.4	0.11	0.04	30	0.1	0.03	6.3
1075450 GS-1	Rock Pulp	3.84	0.044	20.1	22.0	1.17	75.0	0.030	1	1.36	0.023	0.23	0.1	2.2	0.12	0.07	10	<0.1	0.02	3.6
1075451	Soil	0.52	0.062	12.4	39.4	0.74	216.7	0.103	1	2.03	0.015	0.07	0.1	4.6	0.10	<0.02	33	0.1	<0.02	6.2
1075452	Soil	0.56	0.098	16.4	37.9	0.62	273.8	0.049	1	2.42	0.019	0.06	0.1	4.2	0.13	0.06	49	0.2	0.04	6.6



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Page: 4 of 9 Part 3

CERTIFICATE OF ANALYSIS

WHI11001387.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1075423	Soil	<0.1	0.07	1.47	9.1	0.7	<0.05	3.6	14.98	30.5	0.03	<1	0.3	12.2	<10	<2	19.7
1075424	Soil	<0.1	0.13	1.15	13.3	0.7	<0.05	6.2	10.47	25.1	0.03	<1	0.4	13.0	<10	3	8.3
1075425	Soil	<0.1	0.11	1.57	14.7	1.3	<0.05	6.2	12.27	28.0	0.02	<1	0.5	15.9	<10	<2	13.6
1075426	Soil	<0.1	0.09	1.45	9.1	0.6	<0.05	4.5	11.26	27.7	<0.02	<1	0.3	12.4	<10	<2	19.5
1075427	Soil	<0.1	0.12	1.50	11.8	0.7	<0.05	5.3	10.76	26.0	0.03	<1	0.2	12.8	<10	<2	12.0
1075428	Soil	<0.1	0.12	1.60	12.2	0.6	<0.05	5.7	11.72	27.9	0.02	<1	0.4	14.0	<10	<2	12.6
1075429	Soil	<0.1	0.09	1.97	11.1	0.5	<0.05	4.0	10.16	24.4	<0.02	<1	0.4	14.5	<10	<2	25.0
1075430 Agi Dag B	Rock Pulp	<0.1	0.11	0.45	10.4	0.5	<0.05	7.7	2.82	18.3	<0.02	<1	0.2	6.5	<10	3	10.4
1075431	Soil	<0.1	0.06	1.68	12.7	0.4	<0.05	3.3	8.93	22.8	0.03	<1	0.4	12.6	<10	<2	19.4
1075432	Soil	<0.1	0.06	1.67	15.0	0.6	<0.05	3.5	8.07	20.3	<0.02	<1	0.3	13.1	<10	<2	20.2
1075433	Soil	<0.1	0.07	1.81	15.3	0.5	<0.05	3.7	9.46	24.6	<0.02	<1	0.4	14.0	<10	<2	20.1
1075434	Soil	<0.1	0.06	1.78	14.5	0.6	<0.05	3.6	8.92	25.3	0.03	<1	0.4	15.4	<10	<2	20.1
1075435	Soil	<0.1	0.09	0.91	10.8	0.7	<0.05	5.5	9.04	30.3	0.05	<1	0.4	15.4	<10	<2	7.3
1075436	Soil	<0.1	0.07	1.04	13.5	0.5	<0.05	3.7	9.13	24.7	0.03	<1	0.4	13.3	<10	2	10.0
1075437	Soil	<0.1	0.08	1.35	16.7	0.6	<0.05	4.0	12.27	27.6	0.03	<1	0.4	16.7	<10	<2	13.4
1075438	Soil	<0.1	0.05	0.75	6.3	0.5	<0.05	1.9	5.93	25.5	0.04	<1	0.6	17.5	<10	<2	9.6
1075439	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	17.0
1075440	Soil	<0.1	0.05	0.77	7.2	0.5	<0.05	2.3	6.36	22.3	0.03	<1	0.4	16.2	<10	<2	10.1
1075441	Soil	<0.1	0.03	1.25	10.7	0.9	<0.05	1.6	8.23	28.7	0.03	<1	0.7	17.3	<10	<2	19.3
1075442	Soil	<0.1	0.03	1.30	10.6	0.9	<0.05	1.7	8.59	27.8	0.03	<1	0.5	11.0	<10	<2	20.1
1075443	Soil	<0.1	<0.02	0.94	10.9	0.7	<0.05	1.3	4.87	23.5	0.03	<1	0.5	19.0	<10	<2	12.9
1075444	Soil	<0.1	0.08	1.03	8.0	0.8	<0.05	3.3	4.57	31.1	0.03	<1	0.4	19.6	<10	<2	10.4
1075445	Soil	<0.1	0.02	0.95	9.0	0.5	<0.05	2.0	2.87	14.8	<0.02	<1	0.3	8.0	<10	<2	13.0
1075446	Soil	<0.1	0.06	0.89	5.9	0.5	<0.05	2.7	5.01	20.7	<0.02	<1	0.4	12.8	<10	<2	8.8
1075447	Soil	<0.1	0.09	0.94	7.8	0.7	<0.05	4.8	5.29	25.7	0.04	<1	0.4	15.0	<10	<2	9.0
1075448	Soil	<0.1	0.06	1.00	7.2	0.7	<0.05	3.4	10.61	28.7	0.03	<1	0.5	14.2	<10	<2	9.2
1075449	Soil	<0.1	0.03	0.80	10.9	0.7	<0.05	1.9	6.05	21.5	0.02	<1	0.3	14.5	<10	<2	9.8
1075450 GS-1	Rock Pulp	<0.1	<0.02	0.64	15.9	0.7	<0.05	0.9	7.61	40.2	<0.02	<1	0.3	30.6	<10	<2	8.7
1075451	Soil	<0.1	0.09	0.67	10.1	0.6	<0.05	4.7	6.51	25.1	0.02	<1	0.3	13.5	<10	<2	6.3
1075452	Soil	<0.1	0.02	0.85	10.2	0.6	<0.05	1.5	9.92	30.9	0.03	<1	0.5	13.1	<10	<2	15.7



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Project: 210800
Report Date: November 03, 2011

Page: 5 of 9 **Part** 1

CERTIFICATE OF ANALYSIS

WHI11001387.1

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1075453	Soil	416.0	1278	1.31	49.60	7.92	76.5	26	35.9	15.5	553	3.78	11.9	0.6	3.7	2.4	28.9	0.27	0.57	0.16
1075454	Soil	361.0	1392	1.76	29.83	10.05	64.8	28	30.3	12.8	395	3.75	13.6	0.7	2.4	3.4	24.7	0.25	1.00	0.22
1075455	Soil	116.0	1524	1.11	44.07	6.47	74.3	82	41.1	13.7	320	3.47	7.5	1.0	1.9	2.5	35.5	0.12	0.54	0.11
1075456	Soil	88.00	1645	1.25	49.52	7.35	81.7	123	44.7	20.7	1377	3.95	9.6	1.2	3.3	2.8	37.5	0.37	0.72	0.13
1075457	Soil	256.0	1030	1.00	30.18	6.68	75.3	111	31.3	13.3	459	2.79	8.5	1.1	3.7	1.5	49.0	0.20	0.59	0.12
1075458	Soil	332.0	1274	1.86	32.70	8.37	62.4	121	27.0	14.7	502	3.31	10.3	1.1	3.0	1.4	31.6	0.23	0.75	0.18
1075459	Soil	207.0	1490	1.43	39.03	7.93	67.2	93	32.6	15.7	554	3.60	10.9	1.0	3.1	2.0	33.5	0.23	0.67	0.14
1075460	Soil	138.0	614.0	1.16	41.13	5.96	53.9	118	23.0	10.6	656	2.30	8.0	1.6	3.2	0.6	51.1	0.26	0.90	0.13
1075461	Soil	82.00	1275	0.97	32.06	7.44	78.3	84	30.6	14.4	856	3.76	9.4	1.2	4.8	4.1	38.0	0.24	0.63	0.12
1075462	Soil	78.00	1212	0.83	29.87	7.29	79.3	69	29.3	13.6	694	3.70	8.4	1.2	3.5	4.2	35.1	0.21	0.64	0.12
1075463	Soil	112.0	1115	0.65	33.58	8.42	67.3	80	28.5	12.0	443	2.85	6.7	1.7	5.3	4.6	36.5	0.23	0.68	0.14
1075464	Soil	100.00	1436	1.23	27.14	7.31	72.0	81	26.1	16.2	1055	4.16	11.4	2.1	2.1	7.6	33.7	0.24	0.77	0.14
1075465	Soil	60.00	1409	1.47	33.41	7.04	69.5	68	24.9	15.1	545	4.21	15.8	2.5	4.4	8.1	36.6	0.27	0.75	0.15
1075466	Soil	76.00	1330	0.99	21.94	6.12	68.4	53	22.7	12.3	859	2.95	6.9	1.3	4.5	6.2	38.2	0.25	0.48	0.14
1075467	Soil	81.00	1267	1.13	35.77	9.34	69.7	82	29.5	15.9	540	3.78	11.5	1.8	7.4	6.8	39.9	0.34	0.76	0.16
1075468	Soil	80.00	1106	0.92	29.13	7.44	70.2	76	28.1	14.1	609	3.66	10.0	1.3	4.0	4.9	36.4	0.22	0.65	0.13
1075469	Soil	260.0	1524	0.80	54.60	5.39	43.0	164	25.1	8.9	279	2.19	8.9	1.6	3.9	1.7	35.1	0.14	0.63	0.12
1075470 Agi Dagi A	Soil			78.09	17.85	66.28	18.6	45	9.1	2.6	93	3.64	92.8	0.5	452.3	2.9	11.0	0.06	4.13	20.79
1075471	Soil	103.0	1222	0.43	32.41	7.87	78.4	68	26.4	11.5	248	2.66	5.8	2.5	4.8	8.7	35.3	0.39	0.59	0.19
1075472	Soil	294.0	1251	0.76	38.57	6.64	71.3	92	26.6	13.3	287	3.10	7.4	1.2	3.9	3.3	33.2	0.31	0.69	0.12
1075473	Soil	108.0	1325	1.56	47.23	6.70	78.4	100	34.6	15.4	307	3.71	11.7	1.2	2.5	2.7	46.4	0.38	0.68	0.12
1075474	Soil	77.00	1285	1.60	55.52	6.70	91.8	195	38.0	14.0	237	3.09	12.1	1.7	5.1	2.4	44.8	0.52	0.76	0.13
1075475	Soil	287.0	1691	0.83	33.53	6.62	68.9	116	24.9	11.6	201	2.59	4.9	1.3	4.4	2.7	39.0	0.22	0.62	0.12
1075476	Soil	205.0	835.0	1.28	42.03	6.93	75.2	151	29.3	10.9	187	2.59	8.6	1.5	10.1	1.9	34.9	0.47	0.90	0.14
1075477	Soil	258.0	900.0	1.41	32.10	6.83	81.8	138	33.6	14.8	434	3.09	9.7	1.5	7.2	2.3	29.5	0.20	0.79	0.13
1075478	Soil	97.00	948.0	1.38	28.41	6.48	69.3	146	25.3	11.8	343	3.00	8.2	2.0	3.5	2.8	32.2	0.10	0.51	0.13
1075479	Soil	102.0	602.0	1.14	26.58	5.75	75.7	87	24.4	13.4	481	2.74	7.2	1.3	3.6	2.9	42.0	0.27	0.49	0.11
1075480	Soil	58.00	770.0	1.36	26.02	6.29	67.6	104	26.5	15.1	726	2.78	7.7	1.1	17.8	2.3	39.8	0.13	0.53	0.11
1075481	Soil	27.00	812.0	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1075482	Soil	54.00	674.0	0.75	31.62	7.44	67.7	56	26.1	11.6	215	2.35	5.0	1.8	4.2	2.7	34.6	0.18	0.61	0.17



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Report Date: November 03, 2011

Page: 5 of 9 Part 2

CERTIFICATE OF ANALYSIS

WHI11001387.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.01	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
1075453	Soil	0.33	0.042	9.7	48.2	0.82	142.8	0.108	1	2.62	0.014	0.06	<0.1	3.8	0.10	<0.02	23	0.2	0.04	7.0
1075454	Soil	0.27	0.033	9.6	40.7	0.70	134.3	0.098	2	2.56	0.010	0.07	0.1	3.5	0.11	0.02	21	0.2	0.05	6.7
1075455	Soil	0.78	0.082	12.0	50.8	1.03	155.0	0.111	2	2.18	0.044	0.08	0.1	5.5	0.12	0.02	32	0.3	0.04	6.1
1075456	Soil	0.85	0.097	15.0	48.9	0.96	235.4	0.108	2	2.38	0.038	0.06	0.1	6.4	0.11	0.03	49	0.3	0.04	6.7
1075457	Soil	1.29	0.072	11.2	37.4	0.77	177.3	0.073	3	1.74	0.036	0.07	<0.1	4.1	0.12	0.07	35	0.4	0.03	5.3
1075458	Soil	0.60	0.056	13.3	40.4	0.68	144.2	0.065	2	1.83	0.025	0.06	0.1	3.6	0.14	0.03	42	0.3	0.02	6.7
1075459	Soil	0.85	0.066	11.8	43.0	0.83	160.5	0.086	2	1.87	0.027	0.09	0.1	3.8	0.12	0.03	27	0.2	0.06	6.5
1075460	Soil	1.63	0.085	9.9	27.7	0.49	146.3	0.042	4	1.29	0.033	0.05	0.1	2.3	0.10	0.12	46	0.8	0.03	3.9
1075461	Soil	0.69	0.104	15.3	50.8	0.77	242.4	0.108	2	2.56	0.022	0.05	0.2	6.1	0.14	0.04	38	0.3	<0.02	6.9
1075462	Soil	0.66	0.099	14.7	49.0	0.74	232.4	0.104	1	2.53	0.021	0.05	0.2	6.3	0.13	0.04	32	0.2	0.05	6.8
1075463	Soil	0.67	0.095	17.7	46.9	0.70	246.5	0.097	2	2.33	0.022	0.04	0.2	5.8	0.15	0.06	41	0.3	0.02	6.3
1075464	Soil	0.60	0.100	18.6	43.8	0.68	272.3	0.110	2	2.21	0.020	0.04	0.2	5.5	0.17	0.04	41	0.3	0.03	6.2
1075465	Soil	0.72	0.105	20.6	41.3	0.70	249.1	0.117	2	2.08	0.022	0.05	0.5	5.4	0.17	0.05	36	0.4	0.04	5.9
1075466	Soil	0.72	0.097	13.1	36.7	0.68	220.8	0.118	1	1.85	0.025	0.05	0.3	4.2	0.13	0.04	23	0.2	<0.02	5.6
1075467	Soil	0.76	0.100	18.2	48.2	0.74	276.5	0.108	1	2.36	0.024	0.05	0.2	6.6	0.17	0.05	42	0.3	0.03	6.6
1075468	Soil	0.67	0.092	14.3	45.8	0.74	224.3	0.109	1	2.39	0.022	0.05	0.1	6.0	0.13	0.04	47	0.3	0.03	6.5
1075469	Soil	0.65	0.064	16.7	27.5	0.49	141.6	0.066	2	1.35	0.036	0.07	0.2	3.6	0.08	0.05	53	0.6	0.04	4.1
1075470 Agi Dagi A	Soil	0.03	0.022	7.1	15.7	0.12	54.4	0.008	<1	0.95	0.001	0.05	0.4	1.5	0.18	<0.02	33	7.9	3.78	4.3
1075471	Soil	0.56	0.059	20.2	41.9	0.70	273.9	0.165	2	2.32	0.023	0.05	0.2	5.5	0.19	<0.02	43	<0.1	<0.02	6.5
1075472	Soil	0.43	0.057	14.2	38.1	0.67	306.0	0.142	2	2.30	0.024	0.04	<0.1	5.0	0.12	0.02	45	0.2	0.03	6.1
1075473	Soil	0.59	0.081	14.6	41.4	0.73	252.2	0.109	2	2.61	0.033	0.04	0.1	5.5	0.11	<0.02	51	0.2	<0.02	6.9
1075474	Soil	0.64	0.099	14.4	48.7	0.76	284.6	0.094	2	2.47	0.030	0.04	0.1	5.5	0.11	0.02	36	0.6	0.05	6.3
1075475	Soil	0.62	0.073	13.1	41.8	0.70	316.9	0.133	2	2.16	0.031	0.04	0.1	4.6	0.13	0.04	34	0.5	0.05	5.7
1075476	Soil	0.50	0.087	16.2	41.7	0.72	266.6	0.094	2	2.31	0.025	0.04	0.1	4.9	0.14	0.08	47	0.4	0.02	6.1
1075477	Soil	0.46	0.076	13.1	40.7	0.78	228.8	0.100	2	2.16	0.023	0.05	0.2	4.0	0.16	0.04	58	0.1	0.08	6.1
1075478	Soil	0.54	0.063	12.0	35.2	0.74	188.6	0.106	2	1.89	0.024	0.07	0.1	3.5	0.14	0.05	31	0.1	0.02	6.1
1075479	Soil	0.88	0.070	10.7	32.4	0.71	204.9	0.115	2	1.61	0.033	0.08	0.2	3.3	0.14	0.06	38	0.1	<0.02	5.0
1075480	Soil	0.75	0.067	10.0	32.1	0.65	199.0	0.105	2	1.68	0.031	0.06	0.2	3.3	0.12	0.05	44	0.2	0.02	5.3
1075481	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1075482	Soil	0.60	0.073	12.3	36.5	0.72	181.0	0.108	2	1.92	0.030	0.08	0.2	3.9	0.11	0.05	36	0.2	<0.02	5.9



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Report Date: November 03, 2011

Page: 5 of 9 Part 3

CERTIFICATE OF ANALYSIS

WHI11001387.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1075453	Soil	<0.1	0.05	1.31	8.2	0.5	<0.05	3.4	4.52	19.4	0.03	<1	0.5	19.0	<10	<2	10.1
1075454	Soil	<0.1	0.08	1.27	9.8	0.6	<0.05	3.7	4.16	23.8	0.03	<1	0.5	16.4	<10	<2	9.9
1075455	Soil	<0.1	0.10	0.77	11.6	1.0	<0.05	6.0	10.15	25.7	0.03	<1	0.5	17.0	<10	<2	7.6
1075456	Soil	<0.1	0.14	0.88	7.7	0.7	<0.05	6.7	12.95	30.6	0.03	<1	0.5	14.3	<10	<2	9.6
1075457	Soil	<0.1	0.08	1.35	11.0	0.5	<0.05	4.0	8.88	23.5	0.02	<1	0.3	15.9	<10	<2	19.4
1075458	Soil	<0.1	0.03	0.94	14.5	0.6	<0.05	1.4	8.23	25.8	0.03	<1	0.4	13.6	<10	<2	12.3
1075459	Soil	<0.1	0.06	1.16	12.4	0.8	<0.05	3.0	8.47	21.5	0.03	<1	0.5	16.4	<10	<2	11.4
1075460	Soil	<0.1	0.04	0.93	10.0	1.0	<0.05	2.6	7.55	19.6	<0.02	<1	0.3	9.6	<10	<2	30.4
1075461	Soil	<0.1	0.06	1.09	9.8	1.0	<0.05	3.6	10.20	28.0	0.02	<1	0.5	16.4	<10	<2	11.0
1075462	Soil	<0.1	0.07	0.95	8.4	0.6	<0.05	3.5	9.87	28.6	0.04	<1	0.5	17.2	<10	<2	10.4
1075463	Soil	<0.1	0.09	1.18	7.7	0.9	<0.05	3.4	11.32	36.3	0.03	<1	0.6	18.3	<10	<2	13.2
1075464	Soil	<0.1	0.07	1.48	7.9	0.6	<0.05	3.9	10.89	34.1	<0.02	<1	0.5	17.5	<10	<2	12.2
1075465	Soil	<0.1	0.08	1.44	8.8	0.6	<0.05	4.9	11.75	39.5	0.03	<1	0.6	16.5	<10	<2	11.8
1075466	Soil	<0.1	0.07	1.10	9.6	0.5	<0.05	3.5	6.84	25.6	0.02	<1	0.4	14.6	<10	<2	9.5
1075467	Soil	<0.1	0.11	1.42	7.7	0.6	<0.05	5.5	11.61	36.5	0.04	<1	0.6	16.4	<10	<2	13.1
1075468	Soil	<0.1	0.07	1.05	8.7	0.5	<0.05	4.4	9.44	27.2	0.03	<1	0.4	16.5	<10	<2	10.6
1075469	Soil	<0.1	0.03	0.87	9.3	0.4	<0.05	2.3	19.68	20.6	0.02	<1	0.4	12.2	<10	<2	12.3
1075470 Agi Dagi A	Soil	<0.1	<0.02	0.39	8.7	3.0	<0.05	0.6	1.41	14.9	0.08	2	0.3	6.0	<10	5	5.8
1075471	Soil	<0.1	0.09	1.55	9.0	0.6	<0.05	6.1	11.47	37.5	0.05	<1	0.5	15.9	<10	<2	9.5
1075472	Soil	<0.1	0.12	1.23	5.6	0.9	<0.05	6.0	10.40	28.6	0.04	<1	0.4	12.4	<10	<2	9.5
1075473	Soil	<0.1	0.07	0.89	4.9	0.4	<0.05	4.4	12.07	29.0	0.03	<1	0.5	12.8	<10	<2	9.1
1075474	Soil	<0.1	0.05	0.77	5.7	0.5	<0.05	2.9	11.97	28.1	0.04	<1	0.5	12.5	<10	2	9.4
1075475	Soil	<0.1	0.06	1.14	6.3	0.5	<0.05	3.5	8.20	24.9	0.03	<1	0.4	13.0	<10	<2	12.1
1075476	Soil	<0.1	0.06	1.32	5.4	0.5	<0.05	2.9	11.77	29.7	0.03	<1	0.4	13.9	<10	<2	19.2
1075477	Soil	<0.1	0.03	1.17	8.3	0.6	<0.05	2.1	9.27	25.5	0.03	<1	0.3	15.7	<10	<2	14.0
1075478	Soil	<0.1	0.05	1.22	13.2	0.4	<0.05	2.4	7.29	21.8	0.03	<1	0.2	14.5	<10	<2	15.5
1075479	Soil	<0.1	0.06	1.27	13.9	0.4	<0.05	2.8	5.99	19.4	0.03	<1	0.3	12.5	<10	<2	18.5
1075480	Soil	<0.1	0.04	1.29	10.0	0.4	<0.05	2.8	5.83	19.4	<0.02	<1	0.3	11.5	<10	<2	17.4
1075481	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	15.6
1075482	Soil	<0.1	0.06	1.45	13.9	0.5	<0.05	3.4	7.44	23.7	<0.02	<1	0.4	14.0	<10	<2	18.1



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Project: 210800
Report Date: November 03, 2011

Page: 6 of 9 Part 1

CERTIFICATE OF ANALYSIS

WHI11001387.1

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1075483	Soil	91.00	1376	0.68	24.46	6.15	60.1	47	24.6	11.6	231	2.67	5.6	1.5	10.5	4.2	34.8	0.12	0.38	0.09
1081136	Soil	25.00	1166	1.61	23.62	9.96	82.9	56	26.2	13.3	565	3.00	8.2	1.4	3.3	4.4	28.7	0.38	0.47	0.83
1081137	Soil	193.0	608.0	3.53	31.08	12.50	82.6	176	30.7	16.6	860	3.12	8.1	3.7	3.1	3.5	37.2	0.38	0.54	0.85
1081138	Soil	66.00	794.0	5.63	35.70	10.62	74.5	170	27.2	14.0	507	3.04	9.5	4.0	5.1	4.3	36.0	0.16	0.80	1.62
1081139	Soil	63.00	478.0	3.46	45.23	9.14	66.8	204	25.9	12.7	484	2.58	8.0	4.5	4.0	2.9	44.4	0.32	0.64	0.49
1081140	Soil	158.0	1538	2.15	33.73	9.18	70.7	138	28.6	13.6	748	3.07	7.2	3.1	8.9	7.6	30.9	0.20	0.40	0.41
1081141	Soil	62.00	601.0	3.54	46.90	17.13	99.8	310	33.3	20.3	1105	3.49	10.7	6.7	2.4	4.9	46.9	0.69	0.61	1.02
1081142	Soil	28.00	560.0	2.81	46.77	16.64	90.6	294	32.0	14.6	693	3.02	8.5	6.6	2.8	4.5	49.3	0.49	0.62	0.95
1081143	Soil	185.0	733.0	3.57	45.64	8.65	79.7	165	38.4	23.6	1487	3.68	11.2	3.7	4.1	4.5	34.6	0.40	0.63	0.89
1081144	Soil	408.0	533.0	7.57	43.19	13.04	86.3	254	34.5	23.8	1764	4.73	20.5	3.6	3.5	3.4	44.4	0.50	0.81	0.98
1081145	Soil	291.0	595.0	3.63	36.50	9.77	70.2	117	29.2	14.7	680	2.96	8.9	3.4	4.0	2.7	41.9	0.19	0.61	0.78
1081146	Soil	261.0	582.0	7.14	41.60	13.25	75.5	250	28.1	14.8	709	2.99	8.7	4.8	4.1	4.1	54.7	0.41	0.64	0.85
1081147	Soil	403.0	1199	5.22	54.08	13.33	63.2	157	32.6	13.5	533	3.13	8.2	1.5	9.8	5.8	41.1	0.23	0.84	2.51
1081148	Soil	168.0	600.0	5.67	89.21	14.05	85.1	169	36.8	18.7	822	3.71	14.7	8.5	7.2	3.8	42.4	0.22	0.91	4.40
1081149	Soil	465.0	839.0	6.85	51.39	10.85	70.3	151	27.8	12.0	248	3.07	9.0	6.0	7.2	5.6	42.6	0.27	0.89	1.94
1081150 GS-1	Rock Pulp			0.69	21.65	8.79	49.8	29	27.2	12.8	435	2.77	3.3	1.5	1.1	7.8	84.1	0.05	0.19	0.22
1081151	Soil	194.0	726.0	3.05	23.50	7.14	58.6	60	19.9	13.0	603	2.67	7.5	0.9	3.0	1.3	38.4	0.20	0.46	0.62
1081152	Soil	281.0	1502	3.08	36.66	11.01	69.1	73	25.8	14.4	596	3.35	7.4	1.8	24.7	8.1	29.9	0.16	0.51	2.63
1081153	Soil	344.0	1549	2.84	35.37	10.48	86.2	56	27.6	15.6	617	3.45	8.2	1.2	11.0	8.6	32.8	0.21	0.52	3.23
1081154	Soil	176.0	1236	2.78	33.14	9.26	84.3	62	24.6	13.2	573	3.15	7.2	1.7	1.8	8.4	28.6	0.21	0.40	1.30
1081155	Soil	297.0	645.0	4.81	43.50	9.08	72.7	290	26.1	18.8	2022	3.44	10.4	4.1	3.6	3.9	34.0	0.35	0.67	1.03
1081156	Soil	226.0	1289	2.88	73.83	13.06	67.7	639	22.6	9.3	322	2.57	4.8	9.1	4.4	10.2	34.6	0.55	0.50	2.10
1081157	Soil	292.0	873.0	2.32	42.39	8.65	76.1	306	21.9	11.6	450	2.77	8.0	4.4	3.1	2.7	41.6	0.15	0.52	0.64
1081158	Soil	312.0	1190	1.75	31.62	9.46	75.0	208	26.6	14.2	512	3.22	8.2	2.5	2.2	5.3	40.8	0.25	0.53	0.55
1081159	Soil	376.0	1427	1.33	21.66	9.61	77.0	56	27.5	11.2	227	2.97	10.4	1.7	5.7	7.8	33.7	0.17	0.60	0.27
1081160	Soil	320.0	1114	1.64	26.76	12.53	80.8	162	29.5	14.4	596	3.10	9.8	2.0	4.2	7.7	36.9	0.20	0.68	0.39
1081161	Soil	340.0	1379	1.19	28.62	10.96	70.7	173	31.2	14.7	403	3.35	23.2	3.4	4.9	11.2	39.4	0.07	0.54	0.29
1081162	Soil	441.0	1338	1.23	28.35	9.77	64.8	75	27.7	13.3	463	3.23	16.8	3.1	4.1	8.5	36.8	0.08	0.55	0.21
1081163	Soil	280.0	989.0	1.59	26.54	9.35	77.5	85	27.9	14.1	602	2.71	9.0	2.1	4.4	4.8	30.0	0.22	0.83	0.18
1081164	Soil	415.0	1238	2.21	42.73	8.65	68.6	110	26.6	18.7	401	3.91	31.8	1.8	3.6	4.0	25.5	0.20	0.93	0.44



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Report Date: November 03, 2011

Page: 6 of 9 Part 2

CERTIFICATE OF ANALYSIS

WHI11001387.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
	Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.01	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
1075483	Soil	0.68	0.068	10.0	32.4	0.79	168.8	0.163	2	1.76	0.035	0.09	0.4	3.4	0.14	0.02	30	<0.1	0.07	5.5
1081136	Soil	0.55	0.042	13.8	30.2	0.61	131.7	0.096	1	1.49	0.023	0.05	1.5	2.5	0.10	0.03	40	0.2	0.03	5.4
1081137	Soil	0.67	0.069	21.7	35.2	0.68	177.7	0.069	1	1.82	0.027	0.06	0.4	3.7	0.12	0.05	62	0.2	0.04	5.4
1081138	Soil	0.65	0.066	16.7	35.5	0.69	148.4	0.088	2	1.72	0.030	0.06	1.1	3.6	0.12	0.04	34	0.2	0.08	5.7
1081139	Soil	0.83	0.063	23.6	32.1	0.63	183.6	0.062	2	1.47	0.030	0.05	0.6	3.1	0.12	0.08	58	0.3	0.06	4.9
1081140	Soil	0.55	0.062	15.6	35.8	0.68	153.4	0.123	2	1.56	0.027	0.07	0.9	3.3	0.14	0.03	26	0.2	0.05	5.2
1081141	Soil	0.89	0.080	23.5	38.8	0.72	200.9	0.081	2	1.92	0.029	0.07	0.3	4.3	0.15	0.06	48	0.2	0.04	5.7
1081142	Soil	0.93	0.082	23.9	39.0	0.74	186.8	0.082	2	1.90	0.031	0.07	0.2	4.4	0.15	0.07	49	<0.1	<0.02	5.9
1081143	Soil	0.54	0.079	23.2	38.0	0.74	207.6	0.084	2	1.87	0.031	0.07	0.6	4.0	0.13	0.05	44	0.3	0.04	5.7
1081144	Soil	0.91	0.083	22.4	36.5	0.71	233.6	0.063	1	1.83	0.026	0.07	0.4	3.8	0.15	0.07	63	0.4	0.04	5.3
1081145	Soil	0.73	0.061	22.5	34.4	0.69	165.8	0.073	2	1.69	0.029	0.07	0.5	3.0	0.13	0.06	45	0.2	0.08	5.6
1081146	Soil	0.95	0.076	23.4	35.1	0.69	176.1	0.075	2	1.70	0.028	0.08	0.8	3.6	0.14	0.08	51	0.3	0.04	5.2
1081147	Soil	0.63	0.041	11.8	36.3	0.74	146.0	0.132	2	1.76	0.026	0.08	1.6	3.4	0.15	0.03	29	<0.1	0.09	5.8
1081148	Soil	0.74	0.091	31.1	41.7	0.83	198.3	0.065	2	2.32	0.031	0.07	0.4	3.9	0.17	0.07	71	0.3	0.09	6.9
1081149	Soil	0.62	0.066	18.7	39.7	0.73	132.0	0.087	2	1.85	0.028	0.07	0.3	4.0	0.13	0.05	58	0.2	0.06	5.5
1081150 GS-1	Rock Pulp	3.87	0.039	19.6	20.7	1.09	70.2	0.031	<1	1.22	0.023	0.22	<0.1	1.9	0.10	0.03	8	<0.1	<0.02	3.3
1081151	Soil	0.73	0.056	11.0	30.4	0.53	141.8	0.066	2	1.30	0.031	0.05	0.4	2.6	0.09	0.06	45	0.3	0.08	5.0
1081152	Soil	0.43	0.038	12.9	33.4	0.74	144.1	0.126	1	1.77	0.022	0.07	1.7	3.1	0.20	0.02	16	0.2	0.08	5.9
1081153	Soil	0.56	0.037	13.6	35.6	0.78	164.9	0.147	2	1.76	0.021	0.08	1.9	3.2	0.17	0.02	24	0.2	0.09	6.8
1081154	Soil	0.52	0.044	13.6	34.5	0.75	164.4	0.131	1	1.82	0.020	0.08	0.8	3.5	0.16	<0.02	24	0.1	0.05	5.9
1081155	Soil	0.60	0.080	25.9	35.3	0.63	212.2	0.067	1	1.85	0.024	0.05	0.3	3.7	0.17	0.06	52	0.4	0.04	5.4
1081156	Soil	0.65	0.067	26.6	35.1	0.67	201.2	0.106	1	2.02	0.021	0.07	0.6	4.7	0.24	0.06	55	0.2	0.05	6.8
1081157	Soil	0.77	0.079	18.4	32.3	0.59	168.2	0.058	1	1.75	0.028	0.06	0.2	3.6	0.12	0.06	37	0.3	0.05	5.1
1081158	Soil	0.73	0.069	18.5	37.1	0.67	223.6	0.086	2	1.99	0.023	0.05	0.2	4.5	0.17	0.05	47	0.2	0.05	5.9
1081159	Soil	0.48	0.057	14.8	37.2	0.75	169.4	0.114	2	2.19	0.016	0.05	0.1	4.0	0.16	<0.02	46	0.1	<0.02	6.6
1081160	Soil	0.65	0.066	14.8	38.4	0.77	178.2	0.113	2	2.18	0.019	0.06	0.1	4.2	0.17	0.03	47	0.1	0.03	6.8
1081161	Soil	0.46	0.066	23.0	37.3	0.77	218.7	0.088	2	2.31	0.016	0.06	<0.1	5.0	0.21	0.02	49	0.1	<0.02	6.7
1081162	Soil	0.40	0.066	24.0	36.8	0.72	198.6	0.079	2	2.19	0.017	0.05	0.1	4.8	0.18	0.03	49	0.2	<0.02	6.2
1081163	Soil	0.49	0.063	17.8	39.0	0.64	172.6	0.079	2	1.99	0.022	0.05	0.1	4.4	0.15	0.05	79	0.4	0.03	6.0
1081164	Soil	0.37	0.071	15.2	34.2	0.65	152.0	0.072	2	2.15	0.016	0.05	0.2	4.9	0.15	0.03	47	0.4	0.05	5.9



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Report Date: November 03, 2011

Page: 6 of 9 Part 3

CERTIFICATE OF ANALYSIS

WHI11001387.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1075483	Soil	<0.1	0.08	1.26	13.0	0.5	<0.05	3.8	5.31	18.1	0.02	<1	0.2	13.6	<10	<2
1081136	Soil	<0.1	0.03	1.38	9.7	0.9	<0.05	2.1	4.72	28.4	<0.02	<1	0.3	15.7	<10	<2
1081137	Soil	<0.1	0.05	1.23	11.2	0.5	<0.05	2.9	9.93	34.8	<0.02	<1	0.3	13.7	<10	<2
1081138	Soil	<0.1	0.06	1.24	9.9	0.7	<0.05	2.6	6.88	27.3	0.03	<1	0.4	13.7	<10	<2
1081139	Soil	<0.1	0.05	1.28	10.6	0.4	<0.05	2.2	10.02	30.5	0.02	<1	0.4	12.3	<10	<2
1081140	Soil	<0.1	0.05	1.16	13.0	0.7	<0.05	2.7	7.42	28.3	<0.02	<1	0.4	13.2	<10	<2
1081141	Soil	<0.1	0.05	1.47	15.5	0.6	<0.05	2.7	10.95	39.5	0.04	<1	0.4	15.9	<10	<2
1081142	Soil	<0.1	0.05	1.55	16.4	0.7	<0.05	2.7	11.44	36.3	0.03	<1	0.4	15.8	<10	<2
1081143	Soil	<0.1	0.07	1.45	12.8	0.6	<0.05	3.0	11.75	40.1	0.03	<1	0.5	14.6	<10	<2
1081144	Soil	<0.1	0.06	1.39	12.4	0.6	<0.05	2.6	10.04	36.1	0.02	1	0.4	12.9	<10	<2
1081145	Soil	<0.1	0.05	1.41	14.2	0.7	<0.05	2.4	8.34	34.9	0.02	<1	0.4	12.7	<10	<2
1081146	Soil	<0.1	0.05	1.53	14.0	1.0	<0.05	2.5	9.59	34.7	0.02	<1	0.4	13.4	<10	<2
1081147	Soil	<0.1	0.06	1.67	15.0	0.7	<0.05	3.5	4.44	24.7	0.03	<1	0.4	13.7	<10	3
1081148	Soil	<0.1	0.03	1.32	10.8	0.6	<0.05	2.3	9.96	48.6	0.05	<1	0.6	16.4	<10	<2
1081149	Soil	<0.1	0.07	1.54	12.5	0.6	<0.05	3.7	7.99	32.7	0.03	<1	0.4	13.3	<10	<2
1081150 GS-1	Rock Pulp	<0.1	<0.02	0.60	14.6	0.6	<0.05	0.9	7.10	37.4	<0.02	<1	0.3	28.4	<10	<2
1081151	Soil	<0.1	0.03	1.15	9.6	0.4	<0.05	1.8	4.74	19.9	<0.02	<1	0.3	9.6	<10	<2
1081152	Soil	<0.1	0.07	1.84	12.2	0.8	<0.05	3.0	3.76	22.9	0.02	<1	0.2	15.5	<10	<2
1081153	Soil	<0.1	0.06	1.97	14.0	1.1	<0.05	3.2	3.76	23.9	0.03	<1	0.3	19.7	<10	<2
1081154	Soil	<0.1	0.07	1.67	15.9	1.1	<0.05	3.0	4.49	25.7	<0.02	<1	0.3	16.9	<10	<2
1081155	Soil	<0.1	0.04	1.35	10.0	0.5	<0.05	2.0	11.11	46.6	0.03	<1	0.4	13.9	<10	<2
1081156	Soil	<0.1	0.08	2.50	13.7	1.1	<0.05	3.6	10.65	39.2	0.03	2	0.5	20.1	<10	<2
1081157	Soil	<0.1	0.04	1.16	12.4	0.5	<0.05	2.1	10.96	27.6	0.04	<1	0.4	14.2	<10	<2
1081158	Soil	<0.1	0.08	1.93	10.3	0.7	<0.05	4.0	9.66	32.8	0.02	1	0.4	15.6	<10	<2
1081159	Soil	<0.1	0.10	1.79	9.7	0.8	<0.05	5.3	6.90	27.0	0.02	<1	0.4	16.8	<10	<2
1081160	Soil	<0.1	0.09	1.92	9.8	0.9	<0.05	4.5	7.03	27.3	0.04	<1	0.3	18.9	<10	<2
1081161	Soil	<0.1	0.10	1.40	11.6	0.9	<0.05	4.0	9.99	42.4	0.03	<1	0.5	17.6	<10	<2
1081162	Soil	<0.1	0.04	1.28	10.7	0.8	<0.05	2.6	12.71	45.4	<0.02	<1	0.5	16.3	<10	<2
1081163	Soil	<0.1	0.07	1.51	8.3	0.6	<0.05	3.4	8.74	34.1	0.03	<1	0.4	14.4	<10	<2
1081164	Soil	<0.1	0.05	1.13	8.9	0.6	<0.05	3.1	9.92	30.0	0.03	<1	0.4	13.4	<10	<2



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Project: 210800
Report Date: November 03, 2011

Page: 7 of 9 Part 1

CERTIFICATE OF ANALYSIS

WHI11001387.1

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1081165	Soil	207.0	1366	1.89	44.41	9.75	69.3	155	31.0	16.2	431	3.63	35.6	1.2	3.3	2.8	29.7	0.30	0.83	0.22
1081166	Soil	118.0	1632	1.26	97.99	7.91	76.1	170	33.1	13.9	423	3.35	73.2	1.6	3.8	3.3	35.8	0.13	0.71	0.36
1081167	Soil	299.0	1285	1.61	53.54	9.05	61.9	245	28.0	14.4	515	2.98	30.2	0.9	3.9	1.2	31.9	0.16	0.69	0.22
1081168	Soil	262.0	1246	1.28	35.80	7.75	56.5	19	46.4	18.7	415	3.70	11.2	0.7	6.1	3.5	38.1	0.15	0.54	0.58
1081169	Soil	402.0	1216	1.84	39.50	7.22	66.7	96	35.1	14.0	431	3.30	39.2	1.3	7.0	2.4	29.2	0.16	0.71	0.24
1081170 Agi Dagi A	Rock Pulp			73.92	19.03	70.36	19.8	44	11.1	2.7	90	3.54	88.0	0.5	528.0	3.2	13.1	0.04	3.58	20.53
1081171	Soil	392.0	704.0	2.43	17.69	8.95	42.2	15	18.5	8.4	208	2.99	10.5	0.5	5.3	1.7	22.7	0.11	0.68	0.33
1081172	Soil	256.0	770.0	1.79	22.58	7.00	51.2	73	19.9	11.4	436	2.49	8.8	1.1	6.3	1.3	34.4	0.08	0.65	0.26
1081173	Soil	445.0	1026	1.33	31.18	7.21	60.5	261	47.4	21.8	401	3.66	11.9	0.6	7.9	2.5	29.1	0.13	0.60	0.17
1081174	Soil	419.0	750.0	1.74	22.72	6.71	48.7	75	25.1	13.4	340	3.09	10.0	0.8	8.0	1.3	28.3	0.07	0.67	0.16
1081175	Soil	334.0	1212	1.44	36.69	7.23	53.6	108	32.2	12.8	361	3.08	8.0	1.0	10.5	2.2	34.7	0.10	0.82	0.20
1081201	Soil	302.0	1231	1.37	19.83	17.83	53.6	69	26.8	10.1	227	2.12	3.4	1.8	4.7	5.7	25.4	0.17	0.58	0.38
1081202	Soil	192.0	1222	1.11	22.08	16.46	49.0	67	25.5	12.6	290	2.49	4.6	2.0	2.2	7.1	23.0	0.20	0.63	0.29
1081203	Soil	267.0	997.0	1.12	24.18	16.08	52.3	74	22.9	9.5	186	2.38	5.2	3.2	3.3	6.5	25.5	0.23	0.68	0.47
1081204	Soil	415.0	1480	2.96	33.95	12.13	53.7	65	24.6	10.3	286	3.21	14.5	2.4	4.2	7.3	29.6	0.07	0.92	0.19
1081205	Soil	434.0	1442	3.47	29.73	9.89	60.0	44	33.6	16.3	756	3.43	10.6	2.0	3.3	4.7	24.4	0.11	0.64	0.17
1081206	Soil	461.0	1212	3.15	35.12	8.57	64.1	92	37.7	14.8	588	3.47	9.4	3.4	5.1	5.1	28.1	0.15	0.51	0.28
1081207	Soil	478.0	1366	3.08	27.25	19.52	79.2	164	35.5	14.1	503	3.53	12.8	2.2	8.7	5.6	32.4	0.94	0.61	0.45
1081208	Soil	325.0	1165	3.03	31.23	8.48	73.3	42	40.2	17.8	764	3.61	10.5	1.5	2.0	3.4	28.7	0.17	0.53	0.24
1081209	Soil	462.0	1275	3.32	28.07	9.62	65.9	83	36.2	15.7	665	3.72	12.5	5.0	6.1	5.6	28.8	0.10	0.77	0.16
1081210 Agi Dagi A	Rock Pulp			69.70	18.14	66.81	18.9	39	9.8	2.7	87	3.39	84.1	0.5	405.5	3.0	10.5	0.04	3.41	19.50
1081211	Soil	545.0	766.0	11.56	35.08	9.15	74.1	94	28.1	12.7	481	2.96	12.3	5.2	4.1	2.9	39.6	0.23	0.83	0.33
1081212	Soil	266.0	516.0	10.88	29.28	9.73	67.7	80	24.6	12.5	621	2.87	13.1	6.6	4.0	3.2	56.7	0.34	0.84	0.28
1081213	Soil	355.0	1263	6.91	22.31	10.33	64.4	59	23.4	13.5	706	2.96	22.2	3.3	4.7	5.2	39.7	0.25	0.60	0.20
1081214	Soil	190.0	499.0	1.53	35.83	21.69	83.2	402	27.5	13.7	621	3.00	217.2	1.1	4.0	1.3	40.7	0.64	1.00	0.35
1081215	Soil	232.0	581.0	1.45	33.09	11.76	69.0	250	24.0	14.6	504	3.35	24.0	0.9	3.5	1.8	33.3	0.21	0.62	0.34
1081216	Soil	526.0	1193	1.38	145.4	16.14	74.2	927	35.1	16.0	504	3.46	438.6	0.8	13.4	2.5	27.2	0.61	1.86	2.27
1081217	Soil	177.0	703.0	1.64	45.22	11.56	72.1	514	32.3	15.9	635	3.17	78.6	1.0	5.0	1.4	36.6	0.38	0.73	0.41
1081218	Soil	252.0	1124	1.56	40.64	11.57	72.0	328	34.3	15.1	741	2.82	57.2	1.2	5.8	1.6	37.4	0.43	0.96	0.32
1081219	Soil	319.0	1403	1.36	74.67	33.82	103.2	1073	42.4	17.2	637	3.48	419.0	1.2	4.8	3.0	37.8	0.78	2.02	1.24



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Project: 210800
Report Date: November 03, 2011

Page: 7 of 9 Part 2

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1081165	Soil	0.42	0.069	15.2	38.5	0.65	162.6	0.082	2	2.08	0.020	0.05	0.1	5.0	0.12	0.02	46	0.4	<0.02	5.9	1.22
1081166	Soil	0.47	0.066	17.5	37.7	0.77	162.2	0.102	2	2.08	0.020	0.07	0.4	5.3	0.15	0.02	32	0.4	0.04	6.9	1.66
1081167	Soil	0.56	0.071	11.7	37.6	0.59	135.2	0.061	2	1.80	0.022	0.05	0.2	3.2	0.12	0.03	42	0.3	0.03	6.1	1.33
1081168	Soil	0.43	0.021	9.7	39.7	0.81	168.0	0.127	2	2.77	0.024	0.07	0.1	4.2	0.11	<0.02	25	0.1	0.05	7.4	1.23
1081169	Soil	0.38	0.060	15.6	38.2	0.70	145.4	0.070	1	2.08	0.018	0.06	0.1	3.8	0.19	0.03	40	0.7	0.10	6.0	1.98
1081170 Agi Dagi A	Rock Pulp	0.03	0.020	7.7	15.1	0.12	54.1	0.010	<1	1.00	<0.001	0.05	0.3	1.5	0.18	<0.02	37	8.0	3.95	4.4	0.88
1081171	Soil	0.29	0.023	8.0	30.6	0.41	79.4	0.075	2	1.51	0.016	0.03	0.1	2.3	0.11	0.02	18	0.1	0.03	7.0	0.86
1081172	Soil	0.60	0.071	9.7	28.8	0.46	129.1	0.062	2	1.32	0.027	0.03	0.1	2.8	0.11	0.05	66	0.5	<0.02	5.5	1.04
1081173	Soil	0.42	0.036	9.2	40.9	0.80	114.3	0.104	2	2.71	0.024	0.06	<0.1	3.6	0.10	0.02	33	0.3	0.06	6.2	1.02
1081174	Soil	0.45	0.058	11.1	35.8	0.57	111.0	0.062	2	1.81	0.015	0.04	0.1	2.7	0.11	0.04	24	0.2	0.07	5.6	1.10
1081175	Soil	0.49	0.066	14.3	51.2	0.66	130.1	0.091	2	2.10	0.021	0.05	0.2	4.1	0.14	0.04	36	0.3	0.12	6.7	1.61
1081201	Soil	0.39	0.059	13.7	36.5	0.69	158.4	0.066	2	2.27	0.014	0.06	0.2	3.7	0.15	0.03	37	<0.1	0.02	6.6	2.30
1081202	Soil	0.33	0.044	15.7	38.2	0.66	169.2	0.077	2	2.16	0.014	0.06	0.2	4.3	0.14	0.02	31	0.1	0.03	6.3	2.14
1081203	Soil	0.40	0.053	17.0	40.3	0.60	166.3	0.067	<1	2.20	0.013	0.05	0.3	4.6	0.14	0.03	34	0.2	<0.02	6.5	2.05
1081204	Soil	0.39	0.035	14.5	34.5	0.64	144.0	0.082	2	1.99	0.017	0.06	0.3	4.8	0.14	0.03	28	<0.1	<0.02	5.5	3.39
1081205	Soil	0.38	0.045	11.2	34.8	0.69	123.7	0.094	2	2.01	0.013	0.07	0.4	3.4	0.11	0.03	37	0.2	0.03	5.8	1.65
1081206	Soil	0.44	0.055	13.3	41.6	0.76	142.5	0.113	2	2.15	0.018	0.07	0.6	4.0	0.12	0.03	40	0.2	<0.02	6.3	1.74
1081207	Soil	0.54	0.057	10.8	39.1	0.76	157.5	0.132	2	2.07	0.021	0.06	0.5	3.8	0.11	0.03	39	<0.1	0.03	6.1	2.05
1081208	Soil	0.55	0.043	9.2	37.9	0.78	164.2	0.120	2	2.04	0.018	0.07	0.4	3.7	0.11	0.04	28	<0.1	0.04	6.2	2.39
1081209	Soil	0.47	0.057	19.2	38.8	0.78	185.4	0.104	2	2.13	0.019	0.07	0.5	4.3	0.14	0.03	36	<0.1	0.03	6.4	3.23
1081210 Agi Dagi A	Rock Pulp	0.03	0.019	7.0	15.1	0.11	49.3	0.009	<1	0.92	<0.001	0.05	0.3	1.4	0.18	<0.02	26	7.3	3.74	4.1	0.82
1081211	Soil	0.50	0.074	19.6	37.0	0.72	149.6	0.068	2	1.86	0.035	0.05	0.4	4.0	0.14	0.04	41	0.3	0.05	5.5	2.33
1081212	Soil	0.97	0.085	21.0	30.2	0.58	190.7	0.058	2	1.59	0.024	0.05	0.5	3.4	0.16	0.07	61	0.3	0.03	5.4	2.06
1081213	Soil	0.65	0.063	15.3	33.1	0.61	199.0	0.086	2	1.61	0.020	0.05	0.9	3.8	0.17	0.04	29	0.3	0.04	5.5	1.95
1081214	Soil	0.78	0.077	11.9	35.8	0.61	145.5	0.079	3	1.64	0.019	0.06	0.1	3.2	0.16	0.06	44	0.4	0.09	5.7	2.01
1081215	Soil	0.58	0.050	9.7	39.5	1.04	206.5	0.128	2	2.08	0.018	0.10	0.2	5.4	0.15	0.06	37	0.4	0.03	6.8	2.20
1081216	Soil	0.40	0.041	9.9	41.1	0.82	168.8	0.121	1	1.95	0.023	0.11	0.2	5.0	0.14	<0.02	24	0.5	0.03	5.8	4.25
1081217	Soil	0.72	0.065	10.6	41.6	0.89	168.8	0.111	3	1.94	0.021	0.10	0.2	4.3	0.14	0.07	45	0.3	0.05	6.9	2.36
1081218	Soil	0.83	0.064	12.0	40.7	0.63	165.0	0.086	3	1.76	0.022	0.07	0.1	3.9	0.11	0.05	53	0.4	<0.02	6.0	2.06
1081219	Soil	0.72	0.073	14.3	55.9	0.92	156.1	0.120	2	2.19	0.027	0.11	0.3	5.1	0.16	0.04	43	0.4	0.07	7.0	3.19



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Project: 210800
Report Date: November 03, 2011

Page: 7 of 9 Part 3

CERTIFICATE OF ANALYSIS

WHI11001387.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1081165	Soil	<0.1	0.05	1.13	8.2	0.5	<0.05	3.9	11.33	30.2	0.02	<1	0.4	12.0	<10	<2
1081166	Soil	<0.1	0.05	0.91	11.3	0.9	<0.05	3.0	12.04	33.2	0.04	<1	0.5	17.5	<10	<2
1081167	Soil	<0.1	<0.02	1.04	7.6	0.7	<0.05	1.7	6.87	23.6	0.03	<1	0.4	13.7	<10	<2
1081168	Soil	<0.1	0.19	1.36	6.8	0.7	<0.05	7.1	4.73	26.2	0.04	<1	0.4	18.0	<10	<2
1081169	Soil	<0.1	0.02	0.98	9.6	0.6	<0.05	2.1	9.56	29.1	0.04	<1	0.4	13.7	<10	<2
1081170 Agi Dagi A	Rock Pulp	<0.1	<0.02	0.43	8.7	2.9	<0.05	0.8	1.40	15.2	0.09	<1	0.3	5.7	<10	9
1081171	Soil	<0.1	0.06	1.43	4.3	0.5	<0.05	3.2	3.04	15.5	<0.02	<1	0.2	13.6	<10	<2
1081172	Soil	<0.1	0.03	1.24	6.4	0.5	<0.05	1.7	5.29	18.3	0.02	<1	0.3	10.2	<10	<2
1081173	Soil	<0.1	0.13	1.17	7.8	0.6	<0.05	6.3	5.21	21.4	0.02	<1	0.4	13.9	<10	<2
1081174	Soil	<0.1	0.04	1.08	6.6	0.6	<0.05	1.6	5.39	21.4	<0.02	<1	0.4	12.1	<10	<2
1081175	Soil	<0.1	0.06	1.52	9.1	0.6	<0.05	2.4	7.70	27.6	0.04	<1	0.4	13.4	<10	<2
1081201	Soil	<0.1	0.05	1.17	7.9	0.8	<0.05	2.6	5.74	25.3	0.03	<1	0.4	13.9	<10	<2
1081202	Soil	<0.1	0.07	1.20	12.2	0.7	<0.05	3.9	6.58	29.6	0.03	<1	0.4	13.0	<10	<2
1081203	Soil	<0.1	0.09	1.31	10.3	0.9	<0.05	3.7	7.92	32.4	0.04	<1	0.4	13.6	<10	<2
1081204	Soil	<0.1	0.08	0.92	9.1	0.6	<0.05	4.1	7.10	27.3	0.03	<1	0.5	12.1	<10	<2
1081205	Soil	<0.1	0.06	1.20	9.1	0.7	<0.05	3.0	4.39	24.0	0.04	<1	0.4	13.1	<10	<2
1081206	Soil	<0.1	0.07	1.10	10.2	0.7	<0.05	3.6	5.99	25.0	0.03	<1	0.4	14.5	<10	<2
1081207	Soil	<0.1	0.08	1.16	8.7	0.9	<0.05	5.0	5.29	23.0	0.02	<1	0.7	14.0	<10	<2
1081208	Soil	<0.1	0.06	1.16	10.0	0.6	<0.05	3.0	4.14	25.3	0.03	<1	0.5	16.5	<10	<2
1081209	Soil	<0.1	0.05	1.06	10.2	0.9	<0.05	3.1	8.79	39.7	0.02	<1	0.5	16.6	<10	<2
1081210 Agi Dagi A	Rock Pulp	<0.1	<0.02	0.36	8.0	2.8	<0.05	0.7	1.21	14.3	0.08	<1	0.3	5.1	<10	4
1081211	Soil	<0.1	0.05	1.04	10.7	0.7	<0.05	2.0	9.69	30.2	0.03	<1	0.4	15.1	<10	<2
1081212	Soil	<0.1	0.05	1.30	12.1	0.8	<0.05	2.7	10.56	30.3	0.04	1	0.4	14.5	<10	<2
1081213	Soil	<0.1	0.05	1.53	11.8	1.4	<0.05	2.8	6.89	27.1	0.03	<1	0.4	15.9	<10	<2
1081214	Soil	<0.1	0.03	1.21	12.7	0.5	<0.05	1.7	6.70	22.7	0.04	2	0.3	13.7	<10	2
1081215	Soil	<0.1	0.05	1.83	15.3	0.7	<0.05	2.8	5.21	18.0	0.03	1	0.3	16.6	<10	<2
1081216	Soil	<0.1	0.07	1.05	13.4	0.7	<0.05	3.4	6.25	19.0	0.06	<1	0.4	17.9	<10	<2
1081217	Soil	<0.1	0.04	1.58	15.3	0.6	<0.05	2.4	5.68	21.6	0.03	<1	0.4	15.3	<10	<2
1081218	Soil	<0.1	0.05	1.40	10.2	0.8	<0.05	2.5	6.97	23.5	0.03	<1	0.4	14.9	<10	<2
1081219	Soil	<0.1	0.05	1.33	14.1	0.8	<0.05	3.6	7.32	27.6	0.03	<1	0.5	18.2	<10	<2



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Project: 210800
Report Date: November 03, 2011

Page: 8 of 9 Part 1

CERTIFICATE OF ANALYSIS

WHI11001387.1

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1081220	Soil	314.0	668.0	1.55	46.78	28.12	101.7	761	32.0	16.5	852	3.03	129.4	1.0	6.7	1.9	39.0	0.89	0.72	0.91
1081221	Soil	375.0	766.0	0.99	44.43	6.93	73.2	160	44.6	11.0	432	2.81	10.8	0.9	8.7	1.9	42.3	0.26	0.78	0.25
1081222	Soil	327.0	712.0	1.17	32.09	7.22	72.9	171	40.9	14.6	577	3.02	11.9	0.9	5.2	2.1	39.8	0.17	0.67	0.24
1081223	Soil	406.0	1253	1.20	43.43	7.95	81.2	153	42.9	14.3	363	3.14	10.5	1.1	6.3	3.0	33.2	0.14	0.85	0.27
1081224	Soil	450.0	958.0	0.46	29.57	9.04	63.6	103	26.5	12.0	485	2.76	10.0	1.0	5.0	1.5	53.8	0.33	0.72	0.27
1081225	Soil	371.0	1365	0.28	64.61	17.08	341.0	408	31.8	13.8	277	3.13	9.3	0.5	13.8	2.7	57.0	3.92	0.71	0.96
1081226	Soil	351.0	668.0	0.53	26.72	6.32	67.1	83	26.9	10.2	146	2.49	7.3	2.1	4.5	1.2	55.3	0.31	0.71	0.17
1081251	Soil	222.0	1331	1.63	29.35	10.20	75.0	153	21.7	13.1	894	3.05	21.3	3.9	9.0	4.0	38.2	0.21	0.60	0.24
1081252	Soil	284.0	676.0	1.06	18.55	7.84	60.4	73	20.1	11.6	550	2.70	7.5	2.7	2.7	5.1	39.1	0.10	0.43	0.14
1081253	Soil	286.0	713.0	1.50	18.65	8.13	63.9	92	19.8	12.8	589	2.90	11.4	2.2	2.6	6.3	39.0	0.13	0.50	0.18
1081254	Soil	173.0	383.0	1.99	28.77	8.87	67.5	192	22.2	12.0	606	2.66	6.2	3.7	4.2	5.2	49.9	0.35	0.50	0.90
1081255	Soil	267.0	696.0	1.98	26.45	9.10	67.4	240	19.6	10.6	451	2.74	6.6	3.5	6.4	8.0	50.8	0.17	0.44	0.91
1081256	Soil	235.0	433.0	1.42	22.58	8.24	67.1	159	20.2	11.4	588	2.62	7.0	3.0	5.9	5.1	50.9	0.20	0.45	0.58
1081257	Soil	196.0	488.0	2.23	30.04	8.33	63.4	280	22.0	11.3	475	2.65	9.9	5.7	2.1	3.8	54.4	0.23	0.53	0.67
1081258	Soil	276.0	699.0	1.74	23.98	9.54	63.2	168	20.3	8.8	275	2.53	9.8	3.4	4.0	4.9	47.4	0.19	0.46	0.66
1081259	Soil	355.0	652.0	2.22	17.22	10.34	77.8	198	21.2	15.6	683	3.07	25.0	2.7	2.0	5.4	39.3	0.24	0.45	0.51
1081260	Soil	247.0	1268	3.62	18.90	9.26	76.5	124	19.1	24.1	1832	3.22	11.5	2.1	1.8	5.2	42.9	0.29	0.51	0.40
1081261	Soil	437.0	703.0	1.42	21.66	9.91	68.4	87	23.5	11.5	225	2.52	4.4	3.9	2.4	4.9	36.9	0.19	0.52	0.36
1081262	Soil	379.0	571.0	1.29	20.50	10.28	69.5	138	23.4	11.1	271	2.37	4.1	3.7	2.7	4.2	37.6	0.19	0.48	0.34
1081263	Soil	272.0	488.0	1.02	20.91	8.89	64.8	138	20.1	10.9	558	2.11	3.2	2.9	2.4	3.3	34.9	0.23	0.46	0.34
1081264	Soil	164.0	410.0	4.07	21.90	12.05	74.0	183	24.2	15.1	1148	3.17	9.2	3.6	2.6	3.9	39.4	0.43	0.55	0.47
1081265	Soil	116.0	796.0	3.07	18.07	8.01	63.4	87	20.4	11.9	560	2.77	10.9	2.0	2.7	6.1	37.2	0.18	0.43	0.27
1081266	Soil	228.0	504.0	7.12	20.78	7.94	65.6	85	22.2	15.0	923	2.82	18.8	3.3	2.5	4.8	38.2	0.14	0.49	0.20
1081267	Soil	225.0	796.0	7.08	21.09	8.63	64.7	101	21.2	13.1	691	2.97	95.4	2.7	4.6	6.4	35.1	0.14	0.50	0.27
1081268	Soil	343.0	675.0	5.06	30.49	10.90	66.3	301	23.6	14.1	713	3.08	142.9	4.8	2.6	3.5	41.8	0.18	0.74	0.51
1081269	Soil	356.0	581.0	2.50	27.36	8.50	56.5	126	22.1	13.6	607	2.73	26.7	5.1	2.9	4.1	32.8	0.16	0.51	0.36
1081270	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1081271	Soil	200.0	520.0	2.68	28.71	7.69	64.0	166	23.8	13.4	728	2.64	37.9	5.4	6.9	3.9	42.1	0.18	0.52	0.31
1081272	Soil	283.0	578.0	4.89	28.30	8.79	71.4	214	25.1	13.0	594	3.04	93.0	5.8	9.9	2.7	41.3	0.21	1.18	0.32
1081273	Soil	316.0	651.0	1.99	25.23	14.13	67.6	206	24.4	11.0	302	2.56	16.4	6.1	4.3	3.1	29.0	0.18	0.44	0.40



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Report Date: November 03, 2011

Page: 8 of 9 Part 2

CERTIFICATE OF ANALYSIS

WHI11001387.1

		Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
		Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs
		Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		MDL	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1081220	Soil		0.75	0.071	12.6	45.6	0.73	149.7	0.095	3	1.90	0.033	0.08	0.2	4.4	0.15	0.05	45	0.6	0.08	6.0	1.82
1081221	Soil		0.99	0.057	11.0	64.3	0.96	230.6	0.122	3	1.83	0.034	0.10	0.2	5.2	0.15	0.07	39	0.4	0.04	6.0	2.08
1081222	Soil		0.91	0.055	10.9	66.7	0.98	213.1	0.127	3	1.88	0.035	0.10	0.2	5.3	0.15	0.05	56	0.3	0.02	6.0	2.19
1081223	Soil		0.62	0.056	14.9	69.3	1.00	203.3	0.139	3	2.09	0.038	0.08	0.2	6.0	0.17	0.03	29	0.4	<0.02	6.9	1.84
1081224	Soil		1.93	0.059	11.2	32.8	0.64	116.4	0.088	3	1.62	0.045	0.05	0.2	4.0	0.09	0.06	53	0.5	0.04	4.6	0.80
1081225	Soil		1.90	0.071	12.1	38.3	0.87	100.6	0.132	3	1.85	0.061	0.07	0.3	5.7	0.11	0.02	37	0.2	0.08	5.2	1.16
1081226	Soil		1.65	0.063	11.5	32.6	0.56	120.7	0.060	2	1.62	0.037	0.05	<0.1	3.6	0.09	0.08	61	0.4	0.03	4.4	0.75
1081251	Soil		0.77	0.064	13.1	33.3	0.65	135.1	0.074	2	1.69	0.026	0.06	0.4	4.7	0.14	0.05	39	0.4	<0.02	5.7	1.97
1081252	Soil		0.69	0.059	15.4	33.3	0.63	143.7	0.089	1	1.67	0.030	0.07	0.1	3.8	0.13	0.05	55	0.3	<0.02	5.9	1.44
1081253	Soil		0.73	0.070	16.2	34.3	0.65	162.2	0.106	2	1.69	0.029	0.07	0.2	3.7	0.17	0.05	60	0.2	<0.02	6.1	1.75
1081254	Soil		0.99	0.070	22.2	32.0	0.63	217.6	0.090	3	1.65	0.030	0.07	0.4	3.9	0.17	0.07	43	0.4	<0.02	5.3	1.47
1081255	Soil		0.83	0.065	21.1	31.3	0.64	210.5	0.100	2	1.66	0.030	0.09	0.5	4.0	0.20	0.05	42	0.2	<0.02	5.6	1.74
1081256	Soil		0.98	0.066	17.0	32.8	0.63	185.4	0.089	2	1.65	0.034	0.07	0.3	3.8	0.16	0.06	43	0.4	<0.02	5.5	1.51
1081257	Soil		1.02	0.067	28.0	31.5	0.58	194.6	0.072	2	1.68	0.032	0.07	0.3	3.9	0.16	0.07	34	0.3	<0.02	5.1	1.46
1081258	Soil		0.78	0.055	19.2	31.9	0.61	170.1	0.091	2	1.68	0.032	0.07	0.2	3.9	0.16	0.06	45	0.3	<0.02	5.8	1.51
1081259	Soil		0.73	0.064	14.2	32.0	0.64	150.4	0.086	2	1.73	0.031	0.07	0.2	3.9	0.16	0.05	48	0.4	0.04	6.0	1.58
1081260	Soil		0.90	0.070	11.7	31.1	0.63	178.1	0.090	1	1.56	0.030	0.07	0.3	3.4	0.20	0.06	32	0.5	<0.02	5.6	1.60
1081261	Soil		0.66	0.062	14.9	36.7	0.69	169.0	0.099	3	1.86	0.030	0.07	0.2	4.2	0.15	0.05	51	0.3	<0.02	6.2	1.54
1081262	Soil		0.69	0.061	13.7	36.3	0.67	172.9	0.086	1	1.71	0.025	0.06	0.3	3.9	0.14	0.05	66	0.3	0.04	6.0	1.43
1081263	Soil		0.57	0.059	13.9	33.9	0.61	173.3	0.081	2	1.61	0.027	0.05	0.1	3.7	0.14	0.06	49	0.3	0.03	5.5	1.25
1081264	Soil		0.76	0.079	18.1	35.9	0.64	186.7	0.069	1	1.69	0.026	0.05	0.6	4.0	0.17	0.08	44	0.4	<0.02	5.3	1.72
1081265	Soil		0.66	0.058	14.3	31.7	0.63	164.0	0.109	2	1.54	0.027	0.06	1.2	3.4	0.15	0.04	46	0.2	0.04	5.4	1.76
1081266	Soil		0.68	0.065	15.6	33.5	0.63	176.3	0.090	2	1.62	0.026	0.05	0.8	3.7	0.16	0.05	44	0.3	<0.02	5.6	1.80
1081267	Soil		0.64	0.063	13.0	33.1	0.71	179.3	0.107	2	1.73	0.025	0.08	0.7	4.0	0.19	0.04	52	0.3	0.02	6.0	2.32
1081268	Soil		0.76	0.071	16.0	34.7	0.64	158.3	0.064	1	1.83	0.026	0.06	0.4	3.8	0.16	0.06	42	0.2	<0.02	5.9	2.29
1081269	Soil		0.55	0.059	15.9	35.2	0.59	152.0	0.079	2	1.73	0.026	0.05	0.3	3.9	0.13	0.05	38	0.2	<0.02	5.9	1.73
1081270	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1081271	Soil		0.70	0.059	17.4	32.1	0.60	165.8	0.076	2	1.64	0.029	0.05	0.3	3.6	0.13	0.05	54	0.3	0.02	5.3	1.53
1081272	Soil		0.64	0.063	18.1	34.7	0.64	155.4	0.069	2	1.84	0.025	0.06	0.5	4.2	0.12	0.05	32	0.3	0.03	5.8	1.87
1081273	Soil		0.42	0.061	20.2	38.5	0.69	167.4	0.076	1	2.03	0.023	0.05	0.6	4.3	0.14	0.05	60	0.3	<0.02	6.1	1.91



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Report Date: November 03, 2011

Page: 8 of 9 Part 3

CERTIFICATE OF ANALYSIS

WHI11001387.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1081220	Soil	<0.1	0.04	1.80	12.6	1.8	<0.05	3.3	7.60	26.4	0.05	3	0.3	14.5	<10	<2	21.2
1081221	Soil	<0.1	0.09	1.92	15.4	0.6	<0.05	3.7	7.47	23.2	0.03	1	0.4	14.8	<10	<2	21.3
1081222	Soil	<0.1	0.05	1.79	14.8	0.7	<0.05	3.3	6.98	22.5	0.02	<1	0.4	16.0	<10	2	18.0
1081223	Soil	<0.1	0.06	1.87	13.8	0.7	<0.05	4.6	9.35	31.1	<0.02	<1	0.4	15.9	<10	<2	13.7
1081224	Soil	<0.1	0.10	1.44	6.8	0.6	<0.05	5.1	10.33	22.4	0.03	1	0.3	11.5	<10	<2	23.9
1081225	Soil	<0.1	0.17	1.26	8.3	0.6	<0.05	9.9	12.90	24.5	0.06	<1	0.4	11.9	<10	<2	10.8
1081226	Soil	<0.1	0.10	1.35	7.5	0.4	<0.05	5.0	9.21	23.2	<0.02	1	0.4	10.9	<10	<2	28.3
1081251	Soil	<0.1	0.05	1.26	11.5	0.6	<0.05	2.4	6.22	26.8	<0.02	1	0.4	15.7	<10	<2	18.8
1081252	Soil	<0.1	0.04	1.81	12.6	0.8	<0.05	2.9	6.71	30.0	0.02	1	0.3	15.8	<10	<2	18.1
1081253	Soil	<0.1	0.08	2.11	15.4	0.8	<0.05	3.4	6.43	31.3	0.02	<1	0.3	17.7	10	2	19.5
1081254	Soil	<0.1	0.06	2.26	17.0	0.8	<0.05	3.8	9.00	41.6	0.03	<1	0.4	15.4	<10	<2	24.0
1081255	Soil	<0.1	0.05	2.67	18.2	0.9	<0.05	4.2	7.67	40.2	0.03	<1	0.5	16.4	<10	<2	19.3
1081256	Soil	<0.1	0.06	2.21	14.8	0.7	<0.05	3.8	7.54	30.6	0.03	1	0.4	14.9	<10	<2	22.1
1081257	Soil	<0.1	0.08	1.87	14.8	0.5	<0.05	3.3	12.32	44.2	0.02	<1	0.5	14.0	<10	<2	26.5
1081258	Soil	<0.1	0.11	2.18	13.5	1.0	<0.05	4.2	8.42	32.4	<0.02	<1	0.4	14.4	<10	<2	20.6
1081259	Soil	<0.1	0.06	2.04	15.3	0.7	<0.05	2.9	6.23	26.4	0.03	<1	0.2	15.4	<10	<2	17.9
1081260	Soil	<0.1	0.04	1.97	13.1	1.0	<0.05	2.5	5.42	25.0	0.02	<1	0.3	13.5	<10	<2	21.3
1081261	Soil	<0.1	0.07	2.24	16.0	0.7	<0.05	4.0	7.48	29.9	<0.02	<1	0.3	16.0	<10	<2	19.0
1081262	Soil	<0.1	0.07	1.91	14.2	1.3	<0.05	3.5	6.51	26.7	0.03	2	<0.1	14.9	<10	<2	19.2
1081263	Soil	<0.1	0.04	1.61	13.5	0.6	<0.05	2.6	6.82	28.0	<0.02	<1	0.3	13.6	<10	<2	19.5
1081264	Soil	<0.1	0.05	1.58	11.1	2.0	<0.05	2.5	8.21	36.2	0.03	<1	0.4	15.4	<10	<2	24.6
1081265	Soil	<0.1	0.06	1.87	15.2	0.8	<0.05	2.9	5.62	27.2	<0.02	<1	0.3	14.8	<10	<2	15.2
1081266	Soil	<0.1	0.05	1.72	13.2	0.7	<0.05	3.1	6.78	29.4	0.02	<1	0.4	15.0	<10	<2	19.6
1081267	Soil	<0.1	0.05	1.78	15.9	0.8	<0.05	3.3	5.92	25.8	0.02	<1	0.6	15.3	<10	2	14.9
1081268	Soil	<0.1	0.05	1.31	12.6	1.0	<0.05	2.5	7.24	31.8	0.03	<1	0.4	14.6	<10	<2	20.8
1081269	Soil	<0.1	0.05	1.48	9.3	0.7	<0.05	2.9	7.13	31.8	0.02	2	0.3	13.2	<10	<2	17.6
1081270	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1081271	Soil	<0.1	0.04	1.43	10.8	0.6	<0.05	2.6	8.13	32.4	0.03	<1	0.2	12.6	<10	<2	19.0
1081272	Soil	<0.1	0.05	1.06	12.8	0.6	<0.05	2.3	9.72	31.3	0.02	<1	0.4	13.2	<10	<2	15.3
1081273	Soil	<0.1	0.04	1.39	13.6	0.6	<0.05	2.6	8.23	35.7	0.03	<1	0.4	15.7	<10	<2	15.8



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Project: 210800
Report Date: November 03, 2011

Page: 9 of 9 Part 1

CERTIFICATE OF ANALYSIS

WHI11001387.1

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1081274	Soil	205.0	1289	2.45	23.25	7.65	75.5	76	23.1	13.6	714	3.12	8.6	4.7	3.1	7.8	45.3	0.16	0.50	0.17
1081275	Soil	259.0	1376	0.87	22.24	7.50	72.3	74	23.6	11.0	480	3.02	6.4	4.0	2.6	12.7	47.9	0.17	0.46	0.12
1081276	Soil	159.0	865.0	1.16	30.25	8.20	67.8	162	25.4	9.4	530	2.56	6.1	7.5	4.4	5.9	51.9	0.17	0.58	0.14
1081277	Soil	278.0	1306	0.86	22.38	12.67	67.5	79	23.1	9.6	256	2.73	6.0	4.0	3.9	12.9	50.7	0.17	0.62	0.15
1081278	Soil	159.0	562.0	1.02	22.36	7.10	68.7	80	21.5	10.4	397	2.79	7.7	4.5	4.9	5.7	49.3	0.20	0.48	0.12
1081279	Soil	272.0	831.0	1.03	26.56	7.88	68.3	94	24.3	10.5	343	2.83	6.2	7.8	4.4	8.1	39.2	0.17	0.63	0.13
1081280	Soil	243.0	1291	2.60	20.16	8.40	70.3	131	21.0	10.7	409	3.25	6.9	19.4	8.9	8.0	37.3	0.12	0.56	0.16
1081281	Soil	168.0	575.0	2.33	23.50	8.13	87.5	112	23.0	14.5	873	3.15	7.7	17.5	3.0	6.0	49.3	0.26	0.68	0.23
1081282	Soil	257.0	893.0	1.99	19.31	8.09	84.3	88	21.1	14.0	676	2.88	6.3	14.2	3.1	7.9	46.0	0.25	0.62	0.20
1081283	Soil	310.0	899.0	1.36	16.76	8.04	66.0	70	19.2	8.4	227	2.78	6.3	4.8	2.0	7.3	38.1	0.11	0.47	0.19
1081284	Soil	159.0	573.0	2.03	19.76	8.05	68.3	78	21.4	10.9	393	2.65	5.4	5.1	1.7	7.1	46.3	0.13	0.47	0.14
1081285	Soil	108.0	420.0	2.00	21.03	7.02	65.3	85	21.9	11.1	529	2.48	6.6	4.6	2.3	4.5	57.3	0.23	0.54	0.18
1081286	Soil	164.0	975.0	2.91	20.88	8.36	66.6	93	21.8	12.6	599	2.91	7.5	6.2	3.1	7.3	47.4	0.13	0.52	0.20
1081287	Soil	208.0	562.0	2.63	22.24	6.86	62.5	92	20.9	9.9	423	2.56	8.3	4.1	2.0	4.0	52.0	0.22	0.60	0.10
1081288	Soil	374.0	893.0	1.85	24.07	7.86	65.7	121	23.0	10.8	500	2.62	6.5	4.2	6.9	5.7	41.7	0.16	0.56	0.14
1081289	Soil	113.0	1729	1.49	19.32	8.07	70.1	84	22.2	13.1	519	3.35	10.4	3.3	2.9	10.5	41.2	0.20	0.48	0.15
1081290	Soil			I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1081291	Soil	94.00	565.0	1.66	21.37	6.03	52.6	101	22.2	9.5	379	2.77	7.4	0.9	3.0	1.3	43.4	0.16	0.73	0.12
1081292	Soil	149.0	421.0	1.26	12.83	4.82	38.8	50	12.0	4.4	81	1.86	5.7	0.5	1.5	0.8	22.0	0.20	0.54	0.10
1081293	Soil	147.0	1419	1.55	22.13	7.75	69.6	38	26.7	11.8	479	2.95	6.8	0.8	6.9	2.7	34.3	0.13	0.60	0.13
1081294	Soil	138.0	1365	1.26	30.35	7.18	72.7	114	29.0	15.7	607	3.38	9.1	1.2	7.0	3.1	33.4	0.16	0.83	0.26
1081295	Soil	178.0	1799	1.15	50.80	28.15	148.5	245	25.6	12.8	582	3.06	22.9	0.7	108.6	1.8	35.2	1.04	1.00	0.28
1081296	Soil	59.00	730.0	2.59	35.52	9.52	79.4	118	23.0	8.6	345	3.12	10.8	0.7	6.0	0.5	29.8	0.43	1.06	0.19
1081297	Soil	231.0	1132	1.54	24.15	25.35	113.0	113	19.6	11.1	673	3.22	21.0	0.6	15.5	1.7	22.5	0.51	1.05	0.20
1081298	Soil	170.0	1450	0.54	38.18	18.44	89.0	138	23.4	12.2	342	2.96	23.7	1.3	18.6	3.8	32.4	0.44	0.95	0.27
1081299	Soil	160.0	1151	2.34	34.47	10.58	71.4	42	22.7	14.1	823	3.56	20.1	0.6	5.7	1.2	25.2	0.33	0.94	0.19
1081300	Soil	258.0	1237	2.05	34.45	13.20	77.2	44	23.0	11.3	425	3.31	21.9	0.5	5.4	1.6	22.3	0.33	0.95	0.25
1081301	Soil	162.0	1104	1.38	24.33	10.40	65.6	51	25.4	11.2	332	3.17	18.6	0.5	4.4	1.5	20.6	0.34	0.60	0.18
1081302	Soil	108.0	734.0	2.94	35.20	12.62	80.5	110	23.1	12.7	651	3.51	16.8	0.6	3.1	0.7	27.5	0.40	1.15	0.22



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Project: 210800
Report Date: November 03, 2011

Page: 9 of 9 Part 2

CERTIFICATE OF ANALYSIS

WHI11001387.1

	Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
	Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
	MDL	0.01	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
1081274	Soil	0.92	0.076	19.4	35.9	0.72	225.1	0.095	2	1.85	0.028	0.10	0.4	4.1	0.24	0.06	55	0.2	<0.02	5.9
1081275	Soil	0.98	0.073	28.1	35.7	0.79	231.5	0.135	2	1.90	0.030	0.10	0.2	4.6	0.25	0.04	46	0.4	0.03	6.1
1081276	Soil	1.09	0.090	32.6	36.4	0.67	229.1	0.071	2	1.75	0.032	0.07	0.1	4.3	0.18	0.10	78	0.4	0.05	5.1
1081277	Soil	0.75	0.058	24.8	37.7	0.78	223.7	0.136	2	2.10	0.026	0.09	0.3	5.1	0.23	0.04	58	0.3	0.04	6.4
1081278	Soil	1.01	0.067	30.3	33.6	0.65	223.8	0.095	2	1.72	0.029	0.09	0.1	3.6	0.16	0.08	64	0.2	0.02	5.2
1081279	Soil	0.70	0.078	34.3	39.3	0.72	237.9	0.105	2	1.99	0.028	0.08	0.1	4.6	0.21	0.09	60	0.3	<0.02	6.1
1081280	Soil	0.74	0.067	20.6	36.6	0.74	190.9	0.101	2	2.08	0.023	0.07	0.4	4.9	0.13	0.03	44	<0.1	0.03	6.3
1081281	Soil	1.04	0.087	25.1	36.5	0.77	236.1	0.104	3	2.02	0.026	0.08	0.1	4.8	0.19	0.09	42	0.2	0.03	5.8
1081282	Soil	0.90	0.077	20.5	34.6	0.75	215.7	0.120	2	1.97	0.025	0.07	0.2	4.8	0.19	0.06	42	0.1	0.02	6.3
1081283	Soil	0.74	0.060	15.5	33.7	0.75	173.1	0.115	2	1.91	0.027	0.07	0.2	4.1	0.16	0.06	44	0.2	0.02	5.9
1081284	Soil	0.86	0.070	17.5	33.3	0.70	209.1	0.110	2	1.77	0.030	0.08	0.2	4.0	0.16	0.06	24	0.1	0.04	5.5
1081285	Soil	1.21	0.074	16.1	30.5	0.64	190.4	0.085	3	1.57	0.032	0.07	0.2	3.5	0.14	0.07	40	0.3	0.03	4.8
1081286	Soil	0.91	0.076	18.5	36.5	0.73	214.5	0.104	1	1.85	0.028	0.08	0.3	4.2	0.18	0.06	27	0.3	<0.02	5.7
1081287	Soil	1.04	0.070	17.6	28.6	0.58	186.3	0.076	2	1.45	0.030	0.06	0.2	3.4	0.13	0.07	27	0.2	0.05	4.5
1081288	Soil	0.81	0.080	19.3	34.0	0.67	201.1	0.096	2	1.75	0.029	0.06	0.2	4.1	0.15	0.06	37	0.3	0.03	5.4
1081289	Soil	0.78	0.081	17.7	33.7	0.76	198.5	0.141	2	1.90	0.028	0.07	0.6	4.6	0.17	0.03	20	0.1	0.03	5.8
1081290	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1081291	Soil	0.81	0.068	11.1	30.5	0.56	74.1	0.078	<1	1.53	0.032	0.05	0.2	3.3	0.12	0.07	58	0.3	0.06	5.9
1081292	Soil	0.28	0.027	6.2	19.8	0.25	41.5	0.049	<1	0.92	0.021	0.03	0.2	1.6	0.06	0.03	19	0.2	0.04	4.1
1081293	Soil	0.58	0.048	10.5	34.2	0.74	129.9	0.113	<1	1.92	0.023	0.10	0.2	4.0	0.11	0.03	19	0.1	0.06	6.0
1081294	Soil	0.55	0.069	15.2	40.8	0.76	154.7	0.105	1	2.28	0.022	0.07	0.2	5.4	0.14	0.03	33	0.3	0.10	6.4
1081295	Soil	0.37	0.067	9.6	36.5	0.70	122.8	0.075	<1	2.33	0.012	0.07	<0.1	3.7	0.11	0.05	26	0.2	0.11	6.2
1081296	Soil	0.28	0.061	7.6	29.3	0.42	104.9	0.054	<1	1.55	0.012	0.05	<0.1	2.0	0.12	0.08	38	0.3	<0.02	6.4
1081297	Soil	0.23	0.048	8.0	39.7	0.53	98.3	0.084	<1	2.15	0.007	0.05	0.1	3.5	0.11	0.04	22	0.2	0.08	6.9
1081298	Soil	0.44	0.078	14.4	45.7	0.67	141.8	0.093	<1	2.36	0.015	0.05	0.1	5.9	0.13	<0.02	29	0.2	0.11	5.7
1081299	Soil	0.24	0.050	7.9	33.7	0.55	102.2	0.090	1	1.80	0.010	0.06	<0.1	2.6	0.12	0.04	24	0.3	0.07	7.3
1081300	Soil	0.21	0.041	8.1	32.0	0.55	82.8	0.091	<1	1.85	0.008	0.06	0.1	2.9	0.12	0.03	14	0.3	0.13	7.4
1081301	Soil	0.27	0.031	8.6	36.0	0.64	85.3	0.104	<1	2.07	0.008	0.06	<0.1	3.3	0.09	0.03	16	0.2	0.05	7.2
1081302	Soil	0.22	0.058	8.6	32.2	0.43	119.9	0.080	1	1.48	0.009	0.07	<0.1	2.5	0.13	0.05	15	0.4	0.06	8.0



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Page: 9 of 9 Part 3

CERTIFICATE OF ANALYSIS

WHI11001387.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1081274	Soil	<0.1	0.05	1.95	22.0	0.9	<0.05	3.4	7.88	36.0	0.03	<1	0.4	20.4	<10	<2	19.2
1081275	Soil	<0.1	0.10	2.39	21.4	0.9	<0.05	5.0	11.76	42.9	0.05	<1	0.4	24.2	<10	<2	15.4
1081276	Soil	<0.1	0.07	1.66	15.0	0.8	<0.05	3.7	15.22	41.6	0.02	<1	0.4	17.8	<10	<2	26.1
1081277	Soil	<0.1	0.11	2.49	20.0	1.1	<0.05	5.1	10.51	45.0	0.03	<1	0.5	22.8	<10	<2	13.4
1081278	Soil	<0.1	0.05	2.16	17.3	0.8	<0.05	3.6	10.78	46.0	0.03	<1	0.5	18.8	<10	<2	23.9
1081279	Soil	<0.1	0.07	2.28	15.9	0.8	<0.05	4.1	12.33	60.6	0.02	<1	0.4	19.7	<10	<2	21.5
1081280	Soil	<0.1	0.06	1.55	11.8	0.9	<0.05	3.6	10.75	32.0	0.04	1	0.4	20.6	<10	<2	12.7
1081281	Soil	<0.1	0.08	2.00	18.7	0.8	<0.05	3.5	12.65	39.6	0.03	<1	0.4	22.1	<10	<2	22.6
1081282	Soil	<0.1	0.08	2.01	18.6	0.9	<0.05	3.6	10.23	33.6	0.02	<1	0.3	23.4	<10	<2	17.4
1081283	Soil	<0.1	0.05	1.80	13.2	0.7	<0.05	2.8	6.12	27.1	0.02	<1	0.4	21.5	<10	<2	15.3
1081284	Soil	<0.1	0.08	1.95	17.3	0.7	<0.05	3.3	7.79	32.4	<0.02	<1	0.3	17.8	<10	<2	18.9
1081285	Soil	<0.1	0.07	1.63	14.8	1.0	<0.05	3.0	7.64	27.9	0.02	<1	0.3	13.7	<10	<2	26.0
1081286	Soil	<0.1	0.05	1.89	18.5	0.8	<0.05	2.7	7.63	33.8	0.03	<1	0.4	19.2	<10	<2	19.8
1081287	Soil	<0.1	0.06	1.47	14.0	0.6	<0.05	2.4	8.05	29.6	<0.02	<1	0.4	13.4	<10	<2	24.3
1081288	Soil	<0.1	0.07	1.70	13.0	0.7	<0.05	3.3	9.32	33.7	0.03	<1	0.4	16.2	<10	<2	19.6
1081289	Soil	<0.1	0.09	1.79	14.5	0.7	<0.05	4.5	8.05	32.5	0.02	1	0.4	19.4	<10	<2	11.2
1081290	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1081291	Soil	<0.1	0.04	1.53	7.2	0.5	<0.05	1.6	6.02	22.1	0.03	1	0.4	10.7	<10	<2	23.6
1081292	Soil	<0.1	0.03	0.94	6.7	0.4	<0.05	1.8	2.88	12.0	<0.02	<1	0.2	5.4	<10	<2	18.4
1081293	Soil	<0.1	0.06	1.39	11.4	0.6	<0.05	3.2	4.76	22.5	0.02	1	0.4	14.8	<10	<2	11.1
1081294	Soil	<0.1	0.08	1.45	11.5	0.7	<0.05	3.8	9.36	31.9	0.03	<1	0.7	14.5	<10	<2	12.6
1081295	Soil	<0.1	0.03	0.87	8.6	0.5	<0.05	1.4	5.55	20.5	0.04	<1	0.4	14.3	<10	<2	14.6
1081296	Soil	<0.1	0.03	0.98	7.9	1.0	<0.05	1.4	3.58	15.8	0.02	<1	0.3	10.2	<10	<2	25.4
1081297	Soil	<0.1	0.03	0.94	9.1	0.6	<0.05	1.6	3.37	16.9	0.02	<1	0.3	12.7	<10	<2	12.9
1081298	Soil	<0.1	0.06	0.82	5.6	1.1	<0.05	3.7	9.86	29.6	0.03	<1	0.4	13.5	<10	<2	8.7
1081299	Soil	<0.1	0.03	1.02	9.0	0.6	<0.05	1.5	3.29	17.5	0.03	<1	0.3	13.5	<10	<2	15.5
1081300	Soil	<0.1	0.03	1.01	9.2	0.7	<0.05	1.7	3.67	16.7	0.03	<1	0.3	14.5	<10	<2	12.2
1081301	Soil	<0.1	0.04	1.12	6.7	0.5	<0.05	2.1	4.35	19.4	<0.02	<1	0.3	13.8	<10	<2	11.1
1081302	Soil	<0.1	0.03	0.97	12.4	1.1	<0.05	1.3	3.40	18.0	0.02	<1	0.2	9.1	<10	<2	15.8



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210800

Report Date:

November 03, 2011

Page:

1 of 3

Part 1

QUALITY CONTROL REPORT

WHI11001387.1

Method Analyte Unit MDL		SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0	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
Pulp Duplicates																					
1075101	Soil	248.0	684.0	1.22	25.20	7.45	83.7	125	25.7	13.5	597	3.22	13.8	0.6	8.6	0.5	34.9	0.24	0.59	0.21	66
REP 1075101	QC																				
1075113	Soil	661.0	1274	2.76	24.24	9.70	77.9	165	25.9	13.1	639	3.62	10.2	1.7	4.7	1.3	34.3	0.12	0.54	0.27	78
REP 1075113	QC			2.66	23.90	9.60	76.3	169	25.1	13.0	638	3.61	10.0	1.7	3.0	1.4	33.8	0.11	0.54	0.26	77
1075130 Agi Dagi B	Rock Pulp			2.45	7.08	21.56	15.4	15	8.5	3.0	78	3.36	55.5	0.7	88.5	3.9	28.7	0.03	0.85	1.56	56
REP 1075130 Agi Dagi B	QC			2.52	7.13	22.21	15.1	14	8.7	2.9	76	3.40	56.6	0.7	96.7	3.9	28.1	0.03	0.85	1.58	56
1075415	Soil	270.0	1606	0.96	45.05	5.94	58.0	123	38.0	14.8	578	2.98	8.1	1.5	5.7	2.3	51.3	0.20	0.56	0.14	70
REP 1075415	QC			0.93	45.32	5.71	56.8	107	36.9	14.4	550	3.00	8.0	1.4	2.7	2.2	51.3	0.22	0.60	0.15	71
1075422	Soil	281.0	820.0	1.13	35.31	5.41	65.2	135	29.8	13.3	461	2.67	6.0	1.6	5.1	1.9	41.2	0.09	0.55	0.12	65
REP 1075422	QC																				
1075430 Agi Dagi B	Rock Pulp			2.76	8.80	27.44	17.9	15	10.5	3.4	94	3.73	60.9	0.9	140.0	4.4	34.8	0.03	0.97	1.72	59
REP 1075430 Agi Dagi B	QC			2.82	9.09	28.21	18.4	15	10.9	3.3	94	3.76	61.2	0.9	125.9	4.7	36.4	0.03	0.99	1.87	60
1075436	Soil	70.00	1985	0.85	35.74	5.32	73.9	115	35.3	13.8	552	3.08	6.6	0.7	7.4	2.2	39.5	0.24	0.43	0.17	78
REP 1075436	QC			0.79	34.87	5.14	74.0	114	34.2	13.9	561	3.12	6.9	0.7	14.3	2.3	40.8	0.23	0.46	0.18	78
1075454	Soil	361.0	1392	1.76	29.83	10.05	64.8	28	30.3	12.8	395	3.75	13.6	0.7	2.4	3.4	24.7	0.25	1.00	0.22	81
REP 1075454	QC			1.69	28.97	10.46	62.3	30	29.2	12.2	383	3.64	13.2	0.7	1.6	3.2	24.0	0.30	0.98	0.21	77
1075455	Soil	116.0	1524	1.11	44.07	6.47	74.3	82	41.1	13.7	320	3.47	7.5	1.0	1.9	2.5	35.5	0.12	0.54	0.11	79
REP 1075455	QC																				
1075478	Soil	97.00	948.0	1.38	28.41	6.48	69.3	146	25.3	11.8	343	3.00	8.2	2.0	3.5	2.8	32.2	0.10	0.51	0.13	74
REP 1075478	QC			1.42	28.90	6.49	72.8	141	26.6	11.7	340	3.19	8.9	2.0	6.1	2.6	33.8	0.11	0.56	0.11	77
1081140	Soil	158.0	1538	2.15	33.73	9.18	70.7	138	28.6	13.6	748	3.07	7.2	3.1	8.9	7.6	30.9	0.20	0.40	0.41	76
REP 1081140	QC			2.20	37.45	9.48	78.5	125	28.3	15.2	825	3.31	7.8	3.2	2.6	8.2	32.2	0.21	0.48	0.66	79
1081141	Soil	62.00	601.0	3.54	46.90	17.13	99.8	310	33.3	20.3	1105	3.49	10.7	6.7	2.4	4.9	46.9	0.69	0.61	1.02	72
REP 1081141	QC																				
1081165	Soil	207.0	1366	1.89	44.41	9.75	69.3	155	31.0	16.2	431	3.63	35.6	1.2	3.3	2.8	29.7	0.30	0.83	0.22	71
REP 1081165	QC			1.90	46.72	10.57	73.6	167	32.2	16.8	434	3.80	37.2	1.3	3.1	3.0	30.8	0.29	0.88	0.24	73
1081169	Soil	402.0	1216	1.84	39.50	7.22	66.7	96	35.1	14.0	431	3.30	39.2	1.3	7.0	2.4	29.2	0.16	0.71	0.24	74
REP 1081169	QC																				



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Report Date: November 03, 2011

Page: 1 of 3 Part 2

QUALITY CONTROL REPORT

WHI11001387.1

Method Analyte Unit MDL		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
Pulp Duplicates																					
1075101	Soil	0.67	0.065	7.9	35.7	0.59	126.2	0.048	3	1.53	0.020	0.05	0.1	2.6	0.09	0.06	40	0.2	0.03	5.3	0.93
REP 1075101	QC																				
1075113	Soil	0.32	0.070	12.0	41.7	0.82	167.7	0.056	2	2.31	0.011	0.04	0.3	2.9	0.17	0.06	25	0.2	0.05	7.5	1.62
REP 1075113	QC	0.32	0.068	11.7	40.4	0.82	165.0	0.056	2	2.32	0.011	0.04	0.3	2.9	0.16	0.06	28	0.2	0.03	7.3	1.61
1075130 Agi Dag B	Rock Pulp	0.03	0.017	7.4	18.0	0.11	59.2	0.018	1	0.90	<0.001	0.06	0.1	1.8	0.10	0.02	30	2.3	0.35	7.4	0.71
REP 1075130 Agi Dag B	QC	0.03	0.017	7.6	17.9	0.11	58.8	0.019	1	0.92	<0.001	0.06	0.1	1.8	0.09	0.02	31	2.1	0.38	7.5	0.71
1075415	Soil	1.35	0.066	15.8	47.6	0.87	158.4	0.113	3	1.80	0.051	0.09	0.1	5.0	0.15	0.04	28	0.4	<0.02	5.4	1.07
REP 1075415	QC	1.34	0.067	15.7	44.9	0.87	156.2	0.125	4	1.73	0.053	0.09	0.1	4.9	0.15	0.04	36	0.4	<0.02	5.5	1.16
1075422	Soil	0.90	0.079	13.8	40.5	0.77	172.1	0.102	3	1.71	0.035	0.08	0.1	4.1	0.13	0.05	31	0.3	0.04	5.4	1.01
REP 1075422	QC																				
1075430 Agi Dag B	Rock Pulp	0.04	0.019	9.6	20.8	0.14	70.9	0.022	2	1.11	0.002	0.07	0.1	2.1	0.12	0.03	36	2.6	0.36	8.9	0.90
REP 1075430 Agi Dag B	QC	0.04	0.019	9.9	21.4	0.14	71.0	0.023	2	1.13	0.002	0.07	0.1	2.1	0.12	0.03	29	2.3	0.41	9.5	0.95
1075436	Soil	0.94	0.093	11.7	46.2	0.94	161.5	0.106	4	1.79	0.041	0.11	0.2	4.6	0.14	0.03	22	0.2	<0.02	5.5	0.98
REP 1075436	QC	0.95	0.096	12.0	46.9	0.95	168.0	0.124	4	1.76	0.042	0.11	0.2	4.8	0.14	0.03	36	0.4	0.06	5.2	1.09
1075454	Soil	0.27	0.033	9.6	40.7	0.70	134.3	0.098	2	2.56	0.010	0.07	0.1	3.5	0.11	0.02	21	0.2	0.05	6.7	2.90
REP 1075454	QC	0.25	0.033	9.7	40.3	0.68	132.8	0.096	1	2.46	0.009	0.06	0.1	3.3	0.12	<0.02	9	0.2	0.05	6.4	2.89
1075455	Soil	0.78	0.082	12.0	50.8	1.03	155.0	0.111	2	2.18	0.044	0.08	0.1	5.5	0.12	0.02	32	0.3	0.04	6.1	0.97
REP 1075455	QC																				
1075478	Soil	0.54	0.063	12.0	35.2	0.74	188.6	0.106	2	1.89	0.024	0.07	0.1	3.5	0.14	0.05	31	0.1	0.02	6.1	2.00
REP 1075478	QC	0.56	0.068	12.4	35.8	0.76	182.5	0.121	2	1.93	0.023	0.08	0.2	3.6	0.14	0.05	52	0.3	0.02	6.1	2.26
1081140	Soil	0.55	0.062	15.6	35.8	0.68	153.4	0.123	2	1.56	0.027	0.07	0.9	3.3	0.14	0.03	26	0.2	0.05	5.2	1.50
REP 1081140	QC	0.58	0.061	16.6	39.1	0.70	167.3	0.150	1	1.62	0.029	0.08	1.2	3.8	0.15	0.03	54	0.3	<0.02	5.4	1.70
1081141	Soil	0.89	0.080	23.5	38.8	0.72	200.9	0.081	2	1.92	0.029	0.07	0.3	4.3	0.15	0.06	48	0.2	0.04	5.7	1.67
REP 1081141	QC																				
1081165	Soil	0.42	0.069	15.2	38.5	0.65	162.6	0.082	2	2.08	0.020	0.05	0.1	5.0	0.12	0.02	46	0.4	<0.02	5.9	1.22
REP 1081165	QC	0.46	0.073	16.2	40.3	0.68	172.0	0.081	2	2.14	0.020	0.05	0.2	5.5	0.13	0.02	50	0.4	0.03	6.2	1.25
1081169	Soil	0.38	0.060	15.6	38.2	0.70	145.4	0.070	1	2.08	0.018	0.06	0.1	3.8	0.19	0.03	40	0.7	0.10	6.0	1.98
REP 1081169	QC																				



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Project: 210800

Report Date: November 03, 2011

Page: 1 of 3 Part 3

QUALITY CONTROL REPORT

WHI11001387.1

Method Analyte Unit MDL		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
Pulp Duplicates																	
1075101	Soil	<0.1	0.04	0.86	9.4	0.5	<0.05	1.8	5.62	20.4	0.04	<1	0.4	11.6	<10	<2	20.9
REP 1075101	QC																20.4
1075113	Soil	<0.1	<0.02	1.07	10.5	0.7	<0.05	1.2	6.26	23.8	0.03	1	0.6	16.5	<10	<2	15.8
REP 1075113	QC	<0.1	0.02	1.04	10.6	0.6	<0.05	1.2	6.08	23.8	0.03	<1	0.5	16.5	<10	<2	
1075130 Agi Dagi B	Rock Pulp	<0.1	0.13	0.42	8.0	0.5	<0.05	6.3	2.42	14.8	<0.02	<1	0.2	5.2	<10	<2	10.6
REP 1075130 Agi Dagi B	QC	<0.1	0.11	0.40	8.7	0.5	<0.05	6.7	2.41	14.7	<0.02	<1	0.3	5.4	<10	<2	
1075415	Soil	<0.1	0.09	1.72	12.5	0.5	<0.05	4.9	13.20	29.1	0.02	<1	0.4	15.5	<10	<2	18.9
REP 1075415	QC	<0.1	0.04	1.72	13.3	0.6	<0.05	4.1	13.25	29.5	0.03	<1	0.3	15.2	<10	<2	
1075422	Soil	<0.1	0.05	1.53	13.0	0.6	<0.05	3.8	10.00	24.8	0.03	1	0.3	13.2	<10	<2	19.6
REP 1075422	QC																20.1
1075430 Agi Dagi B	Rock Pulp	<0.1	0.11	0.45	10.4	0.5	<0.05	7.7	2.82	18.3	<0.02	<1	0.2	6.5	<10	3	10.4
REP 1075430 Agi Dagi B	QC	<0.1	0.13	0.46	10.6	0.5	<0.05	7.9	2.80	18.8	<0.02	<1	0.3	6.3	<10	<2	
1075436	Soil	<0.1	0.07	1.04	13.5	0.5	<0.05	3.7	9.13	24.7	0.03	<1	0.4	13.3	<10	2	10.0
REP 1075436	QC	<0.1	0.08	1.11	13.9	0.6	<0.05	3.3	9.57	25.8	0.04	<1	0.5	13.7	<10	<2	
1075454	Soil	<0.1	0.08	1.27	9.8	0.6	<0.05	3.7	4.16	23.8	0.03	<1	0.5	16.4	<10	<2	9.9
REP 1075454	QC	<0.1	0.08	1.14	9.7	0.5	<0.05	3.4	4.17	24.0	0.03	<1	0.6	15.5	<10	<2	
1075455	Soil	<0.1	0.10	0.77	11.6	1.0	<0.05	6.0	10.15	25.7	0.03	<1	0.5	17.0	<10	<2	7.6
REP 1075455	QC																7.4
1075478	Soil	<0.1	0.05	1.22	13.2	0.4	<0.05	2.4	7.29	21.8	0.03	<1	0.2	14.5	<10	<2	15.5
REP 1075478	QC	0.1	0.03	1.03	15.7	0.5	<0.05	1.9	7.60	21.7	<0.02	<1	0.4	14.5	<10	<2	
1081140	Soil	<0.1	0.05	1.16	13.0	0.7	<0.05	2.7	7.42	28.3	<0.02	<1	0.4	13.2	<10	<2	9.7
REP 1081140	QC	<0.1	0.07	1.38	14.4	0.8	<0.05	2.6	7.78	31.0	0.02	<1	0.4	14.3	<10	<2	
1081141	Soil	<0.1	0.05	1.47	15.5	0.6	<0.05	2.7	10.95	39.5	0.04	<1	0.4	15.9	<10	<2	20.0
REP 1081141	QC																20.4
1081165	Soil	<0.1	0.05	1.13	8.2	0.5	<0.05	3.9	11.33	30.2	0.02	<1	0.4	12.0	<10	<2	11.0
REP 1081165	QC	<0.1	0.09	1.14	8.5	0.5	<0.05	4.3	12.03	31.0	0.03	<1	0.5	11.9	<10	<2	
1081169	Soil	<0.1	0.02	0.98	9.6	0.6	<0.05	2.1	9.56	29.1	0.04	<1	0.4	13.7	<10	<2	12.7
REP 1081169	QC																12.5



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Project: 210800

Report Date: November 03, 2011

Page: 2 of 3 Part 1

QUALITY CONTROL REPORT

WHI11001387.1

		SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1081211	Soil	545.0	766.0	11.56	35.08	9.15	74.1	94	28.1	12.7	481	2.96	12.3	5.2	4.1	2.9	39.6	0.23	0.83	0.33
REP 1081211	QC			11.63	34.79	9.30	73.9	97	27.5	12.6	477	2.95	12.2	5.3	2.6	3.0	38.2	0.26	0.83	0.28
1081212	Soil	266.0	516.0	10.88	29.28	9.73	67.7	80	24.6	12.5	621	2.87	13.1	6.6	4.0	3.2	56.7	0.34	0.84	0.28
REP 1081212	QC			10.54	29.27	9.71	66.0	92	24.2	12.3	620	2.86	13.1	6.6	4.1	3.2	54.7	0.33	0.82	0.20
1081254	Soil	173.0	383.0	1.99	28.77	8.87	67.5	192	22.2	12.0	606	2.66	6.2	3.7	4.2	5.2	49.9	0.35	0.50	0.90
REP 1081254	QC			1.93	28.93	9.05	67.9	187	22.0	12.2	618	2.73	6.4	3.8	4.1	5.5	49.7	0.27	0.47	1.00
1081267	Soil	225.0	796.0	7.08	21.09	8.63	64.7	101	21.2	13.1	691	2.97	95.4	2.7	4.6	6.4	35.1	0.14	0.50	0.27
REP 1081267	QC			6.77	20.82	8.45	65.9	110	21.4	13.1	697	2.92	96.5	2.6	2.1	6.3	34.7	0.13	0.48	0.25
1081281	Soil	168.0	575.0	2.33	23.50	8.13	87.5	112	23.0	14.5	873	3.15	7.7	17.5	3.0	6.0	49.3	0.26	0.68	0.23
REP 1081281	QC			2.31	23.67	7.81	84.0	106	22.8	14.7	864	3.14	7.6	17.6	5.2	6.0	49.7	0.29	0.67	0.22
1081284	Soil	159.0	573.0	2.03	19.76	8.05	68.3	78	21.4	10.9	393	2.65	5.4	5.1	1.7	7.1	46.3	0.13	0.47	0.14
REP 1081284	QC																			
1081291	Soil	94.00	565.0	1.66	21.37	6.03	52.6	101	22.2	9.5	379	2.77	7.4	0.9	3.0	1.3	43.4	0.16	0.73	0.12
REP 1081291	QC			1.71	21.84	6.25	52.6	101	22.8	9.8	385	2.78	7.9	0.9	1.5	1.2	45.3	0.16	0.80	0.11
1081292	Soil	149.0	421.0	1.26	12.83	4.82	38.8	50	12.0	4.4	81	1.86	5.7	0.5	1.5	0.8	22.0	0.20	0.54	0.10
REP 1081292	QC																			
Reference Materials																				
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DS8	Standard			13.84	114.8	134.4	337.4	1841	40.6	8.0	656	2.63	26.9	2.7	119.6	7.0	67.9	2.53	5.75	7.08
STD DS8	Standard			13.65	105.8	124.1	310.7	1758	36.7	7.4	617	2.46	24.8	2.8	119.1	6.6	69.6	2.35	5.55	6.44
STD DS8	Standard			13.82	120.3	128.7	321.0	1752	43.2	8.6	650	2.59	25.7	2.8	107.5	7.2	65.3	2.28	5.57	6.62
STD DS8	Standard			13.66	108.7	121.9	322.0	1792	38.8	7.4	623	2.54	24.6	2.7	106.9	7.0	65.3	2.16	5.35	5.83
STD DS8	Standard			14.13	118.5	123.3	305.8	1672	38.4	7.5	605	2.53	24.5	3.1	108.7	6.6	68.3	2.17	5.65	6.59



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Report Date:

November 03, 2011

Page:

2 of 3

Part 2

QUALITY CONTROL REPORT

WHI11001387.1

		1F30 Ca % 0.01	1F30 P % 0.001	1F30 La ppm 0.5	1F30 Cr ppm 0.5	1F30 Mg % 0.01	1F30 Ba ppm 0.5	1F30 Ti % 0.001	1F30 B ppm 1	1F30 Al % 0.01	1F30 Na % 0.001	1F30 K % 0.01	1F30 W ppm 0.1	1F30 Sc ppm 0.1	1F30 Ti ppm 0.02	1F30 S % 0.02	1F30 Hg ppb 5	1F30 Se ppm 0.1	1F30 Te ppm 0.02	1F30 Ga ppm 0.1	1F30 Cs ppm 0.02
1081211	Soil	0.50	0.074	19.6	37.0	0.72	149.6	0.068	2	1.86	0.035	0.05	0.4	4.0	0.14	0.04	41	0.3	0.05	5.5	2.33
REP 1081211	QC	0.53	0.071	19.7	34.9	0.69	144.3	0.068	2	1.93	0.034	0.05	0.5	4.0	0.14	0.04	30	0.3	0.06	5.6	2.30
1081212	Soil	0.97	0.085	21.0	30.2	0.58	190.7	0.058	2	1.59	0.024	0.05	0.5	3.4	0.16	0.07	61	0.3	0.03	5.4	2.06
REP 1081212	QC	0.97	0.085	20.7	31.3	0.58	188.2	0.056	3	1.58	0.024	0.05	0.5	3.6	0.17	0.07	62	0.3	0.05	5.1	2.02
1081254	Soil	0.99	0.070	22.2	32.0	0.63	217.6	0.090	3	1.65	0.030	0.07	0.4	3.9	0.17	0.07	43	0.4	<0.02	5.3	1.47
REP 1081254	QC	1.01	0.071	22.6	31.9	0.64	218.9	0.093	3	1.70	0.032	0.08	0.5	3.8	0.18	0.07	39	0.4	0.03	5.5	1.44
1081267	Soil	0.64	0.063	13.0	33.1	0.71	179.3	0.107	2	1.73	0.025	0.08	0.7	4.0	0.19	0.04	52	0.3	0.02	6.0	2.32
REP 1081267	QC	0.65	0.061	12.9	33.2	0.71	176.0	0.107	2	1.74	0.025	0.08	0.5	4.1	0.19	0.04	30	0.2	0.02	5.9	2.31
1081281	Soil	1.04	0.087	25.1	36.5	0.77	236.1	0.104	3	2.02	0.026	0.08	0.1	4.8	0.19	0.09	42	0.2	0.03	5.8	1.65
REP 1081281	QC	1.04	0.082	25.1	36.5	0.76	235.2	0.102	3	2.02	0.026	0.08	0.1	4.9	0.20	0.09	49	0.2	<0.02	5.9	1.69
1081284	Soil	0.86	0.070	17.5	33.3	0.70	209.1	0.110	2	1.77	0.030	0.08	0.2	4.0	0.16	0.06	24	0.1	0.04	5.5	1.49
REP 1081284	QC																				
1081291	Soil	0.81	0.068	11.1	30.5	0.56	74.1	0.078	<1	1.53	0.032	0.05	0.2	3.3	0.12	0.07	58	0.3	0.06	5.9	1.06
REP 1081291	QC	0.82	0.067	11.1	31.2	0.56	76.3	0.079	1	1.58	0.032	0.05	0.2	3.4	0.13	0.07	58	0.5	0.05	5.7	1.08
1081292	Soil	0.28	0.027	6.2	19.8	0.25	41.5	0.049	<1	0.92	0.021	0.03	0.2	1.6	0.06	0.03	19	0.2	0.04	4.1	0.64
REP 1081292	QC																				
Reference Materials																					
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DS8	Standard	0.75	0.083	14.9	125.6	0.67	269.6	0.110	3	0.99	0.101	0.44	3.0	2.2	5.86	0.18	229	5.4	5.47	4.9	2.55
STD DS8	Standard	0.74	0.078	17.0	120.9	0.61	277.3	0.116	3	0.95	0.096	0.43	3.0	2.4	5.36	0.16	185	4.9	4.64	4.5	2.39
STD DS8	Standard	0.74	0.084	15.6	126.9	0.64	269.1	0.121	3	0.98	0.090	0.44	3.0	2.1	5.40	0.17	194	5.3	4.99	4.8	2.45
STD DS8	Standard	0.70	0.074	15.7	121.6	0.59	266.3	0.112	3	0.91	0.094	0.43	2.9	2.1	5.36	0.17	207	5.2	4.57	4.3	2.36
STD DS8	Standard	0.73	0.077	17.8	118.9	0.63	259.5	0.123	3	0.98	0.101	0.43	3.0	2.3	5.40	0.16	211	5.1	4.64	4.9	2.43



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Project: 210800

Report Date: November 03, 2011

Page: 2 of 3 Part 3

QUALITY CONTROL REPORT

WHI11001387.1

		1F30 Ge ppm 0.1	1F30 Hf ppm 0.02	1F30 Nb ppm 0.02	1F30 Rb ppm 0.1	1F30 Sn ppm 0.1	1F30 Ta ppm 0.05	1F30 Zr ppm 0.1	1F30 Y ppm 0.01	1F30 Ce ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2	LOI %
1081211	Soil	<0.1	0.05	1.04	10.7	0.7	<0.05	2.0	9.69	30.2	0.03	<1	0.4	15.1	<10	<2	13.8
REP 1081211	QC	<0.1	0.05	1.05	10.5	0.6	<0.05	2.2	9.77	30.5	0.03	<1	0.4	14.7	<10	<2	
1081212	Soil	<0.1	0.05	1.30	12.1	0.8	<0.05	2.7	10.56	30.3	0.04	1	0.4	14.5	<10	<2	25.5
REP 1081212	QC	<0.1	0.05	1.28	11.7	0.7	<0.05	2.7	10.33	30.3	0.03	1	0.4	14.4	<10	<2	
1081254	Soil	<0.1	0.06	2.26	17.0	0.8	<0.05	3.8	9.00	41.6	0.03	<1	0.4	15.4	<10	<2	24.0
REP 1081254	QC	<0.1	0.05	2.35	16.9	0.8	<0.05	3.5	9.02	42.2	0.03	1	0.2	15.6	<10	<2	
1081267	Soil	<0.1	0.05	1.78	15.9	0.8	<0.05	3.3	5.92	25.8	0.02	<1	0.6	15.3	<10	2	14.9
REP 1081267	QC	<0.1	0.06	1.77	16.9	0.8	<0.05	3.3	5.80	26.2	0.03	<1	0.4	14.6	<10	<2	
1081281	Soil	<0.1	0.08	2.00	18.7	0.8	<0.05	3.5	12.65	39.6	0.03	<1	0.4	22.1	<10	<2	22.6
REP 1081281	QC	<0.1	0.06	2.00	18.5	0.8	<0.05	3.2	12.88	39.9	0.03	<1	0.3	21.2	10	<2	
1081284	Soil	<0.1	0.08	1.95	17.3	0.7	<0.05	3.3	7.79	32.4	<0.02	<1	0.3	17.8	<10	<2	18.9
REP 1081284	QC																19.0
1081291	Soil	<0.1	0.04	1.53	7.2	0.5	<0.05	1.6	6.02	22.1	0.03	1	0.4	10.7	<10	<2	23.6
REP 1081291	QC	<0.1	0.04	1.51	7.9	0.5	<0.05	1.8	6.01	22.6	<0.02	<1	0.4	9.9	<10	<2	
1081292	Soil	<0.1	0.03	0.94	6.7	0.4	<0.05	1.8	2.88	12.0	<0.02	<1	0.2	5.4	<10	<2	18.4
REP 1081292	QC																18.3
Reference Materials																	
STD DOLOMITE-2	Standard																45.9
STD DOLOMITE-2	Standard																46.0
STD DOLOMITE-2	Standard																45.9
STD DOLOMITE-2	Standard																46.3
STD DOLOMITE-2	Standard																46.3
STD DOLOMITE-2	Standard																45.7
STD DOLOMITE-2	Standard																46.0
STD DS8	Standard	<0.1	0.09	1.46	41.6	6.9	<0.05	1.9	5.78	28.1	2.26	60	5.7	28.9	122	362	
STD DS8	Standard	<0.1	0.09	1.63	37.5	6.8	<0.05	1.8	6.52	30.8	2.13	51	5.3	28.2	119	322	
STD DS8	Standard	<0.1	0.10	1.21	37.2	6.8	<0.05	2.0	5.68	26.9	2.28	44	5.0	27.7	111	339	
STD DS8	Standard	<0.1	0.08	1.53	37.7	6.7	<0.05	2.0	6.03	28.8	2.12	65	5.1	26.2	130	352	
STD DS8	Standard	0.1	0.07	1.60	38.3	6.3	<0.05	1.9	6.94	29.9	2.21	47	5.5	27.6	119	321	



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Report Date: November 03, 2011

Page: 3 of 3 Part 1

QUALITY CONTROL REPORT

WHI11001387.1

		SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0	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
STD DS8	Standard			13.74	113.3	121.9	302.8	1592	39.7	8.0	609	2.47	23.2	2.8	97.9	7.1	63.6	2.13	5.36	6.41	42
STD DS8	Standard			12.36	102.5	118.6	303.2	1693	33.6	6.9	577	2.41	23.3	2.6	108.3	6.1	61.0	2.19	5.22	6.04	41
STD DS8	Standard			12.79	114.0	126.5	308.5	1822	36.3	7.2	584	2.44	23.6	3.0	115.5	7.3	64.9	2.12	5.81	7.16	42
STD DS8	Standard			13.27	112.4	127.9	319.7	1757	37.7	7.2	615	2.51	24.5	2.9	118.7	6.6	67.6	2.41	5.75	6.39	40
STD DOLOMITE-2 Expected																					
STD DS8 Expected				13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1
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
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
BLK	Blank			<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	1.8	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2
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
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
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
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
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
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
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



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Vancouver BC V6C 0B3 Canada

Project: 210800

Report Date: November 03, 2011

Page: 3 of 3 Part 2

QUALITY CONTROL REPORT

WHI11001387.1

		1F30 Ca %	1F30 P %	1F30 La ppm	1F30 Cr ppm	1F30 Mg %	1F30 Ba ppm	1F30 Ti %	1F30 B ppm	1F30 Al %	1F30 Na %	1F30 K %	1F30 W ppm	1F30 Sc ppm	1F30 Ti ppm	1F30 S %	1F30 Hg ppb	1F30 Se ppm	1F30 Te ppm	1F30 Ga ppm	1F30 Cs ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
STD DS8	Standard	0.73	0.076	15.5	119.0	0.61	260.4	0.117	2	0.97	0.106	0.43	2.7	2.1	5.18	0.16	186	4.7	4.82	4.6	2.33
STD DS8	Standard	0.68	0.077	14.4	113.4	0.59	254.3	0.103	2	0.86	0.080	0.40	2.9	2.0	5.20	0.16	219	4.8	4.74	4.5	2.29
STD DS8	Standard	0.69	0.078	16.7	123.0	0.61	257.8	0.113	3	0.94	0.096	0.43	2.8	2.2	5.25	0.16	197	4.9	4.81	4.3	2.38
STD DS8	Standard	0.69	0.088	15.3	121.3	0.60	272.2	0.116	3	0.92	0.095	0.41	2.9	2.0	5.51	0.16	198	4.9	4.92	4.7	2.35
STD DOLOMITE-2 Expected																					
STD DS8 Expected		0.7	0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02



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Page: 3 of 3 Part 3

QUALITY CONTROL REPORT

WHI11001387.1

		1F30 Ge ppm 0.1	1F30 Hf ppm 0.02	1F30 Nb ppm 0.02	1F30 Rb ppm 0.1	1F30 Sn ppm 0.1	1F30 Ta ppm 0.05	1F30 Zr ppm 0.1	1F30 Y ppm 0.01	1F30 Ce ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2	LOI %
STD DS8	Standard	<0.1	0.08	1.51	36.8	6.3	<0.05	1.9	5.67	27.1	1.97	49	5.0	26.2	130	314	
STD DS8	Standard	<0.1	0.07	1.32	35.7	6.4	<0.05	1.7	5.78	25.4	2.21	60	4.9	26.0	124	334	
STD DS8	Standard	0.1	0.09	1.41	37.2	6.7	<0.05	1.7	6.42	27.1	2.29	56	5.2	26.6	118	330	
STD DS8	Standard	0.1	0.07	1.23	37.5	6.7	<0.05	1.6	5.70	26.6	2.22	59	4.8	28.9	125	343	
STD DOLOMITE-2 Expected																	46
STD DS8 Expected		0.13	0.08	1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	



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Suite 3300, 550 Burrard St.
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Submitted By: Andrea Langerud

Receiving Lab: Canada-Whitehorse

Received: September 15, 2011

Report Date: November 10, 2011

Page: 1 of 7

CERTIFICATE OF ANALYSIS

WHI11001388.1

CLIENT JOB INFORMATION

Project: 210800
Shipment ID: YTG-015
P.O. Number
Number of Samples: 180

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.

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

CC: Randy Farmer
Rupa Mukherjee

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	170	Dry at 60C sieve 100g to -80 mesh		Completed	WHI
Dry at 60C	170	Dry at 60C			WHI
RJSV	170	Saving all or part of Soil Reject			WHI
1F06	180	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
2A05	180	Loss on Ignition at 1000 C		Completed	VAN

ADDITIONAL COMMENTS



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



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Project: 210800
Report Date: November 10, 2011

Page: 2 of 7 Part 1

CERTIFICATE OF ANALYSIS

WHI11001388.1

	Method Analyte	Unit MDL	WGHT	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
			Wgt	-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd
			kg	g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm
			0.01	0	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
1081303	Soil			214.0	671.0	3.48	41.63	15.84	99.3	57	28.3	19.4	1742	4.81	19.6	1.0	7.6	0.5	34.5	0.46
1081304	Soil			173.0	753.0	11.31	62.31	28.84	99.8	464	23.9	10.1	371	2.76	38.0	1.5	25.4	1.1	26.1	0.39
1081305	Soil			218.0	1585	4.87	34.20	15.37	97.3	108	27.2	13.0	524	3.07	20.6	0.9	14.8	2.1	26.8	0.33
1081306	Soil			178.0	1221	3.13	48.86	23.47	126.4	159	35.1	13.8	471	3.76	28.3	0.7	45.5	1.7	29.9	0.63
1081307	Soil			169.0	615.0	4.52	41.87	28.43	93.5	140	20.7	10.0	587	3.71	19.1	0.6	8.8	0.7	25.4	0.44
1081308	Soil			334.0	1248	1.49	40.88	19.97	143.9	134	25.3	11.0	381	2.71	22.9	0.6	183.8	2.3	26.5	0.79
1081309	Soil			160.0	1426	4.27	115.5	38.35	164.7	1025	23.7	13.3	490	2.94	128.7	1.1	210.1	2.8	31.6	1.20
1081310 Agi Dagi A	Rock Pulp				N.A.	73.85	18.48	69.22	19.0	63	9.3	2.6	94	3.59	90.2	0.5	394.7	2.9	10.7	0.04
1081311	Soil			173.0	1580	3.17	24.54	49.47	227.3	387	16.1	9.5	461	2.64	17.4	1.0	64.8	4.1	25.0	1.03
1081312	Soil			188.0	1568	9.42	118.6	105.6	194.4	2732	16.2	8.4	354	4.11	330.7	0.9	625.1	3.2	33.2	1.45
1081313	Soil			173.0	859.0	4.52	47.02	13.79	82.0	146	31.2	12.5	398	3.91	19.1	0.7	23.2	0.9	28.8	0.33
1081314	Soil			258.0	1575	9.22	110.8	21.01	200.8	694	28.4	13.2	481	3.40	41.4	1.0	418.7	2.5	35.2	1.26
1081315	Soil			140.0	1204	5.29	47.40	20.91	138.6	765	24.3	7.6	252	2.51	22.7	1.2	50.9	0.7	26.3	1.21
1081316	Soil			222.0	904.0	2.51	73.52	19.09	116.5	371	33.1	15.5	705	3.85	28.7	0.8	34.1	1.0	26.0	0.61
1081317	Soil			204.0	1053	2.49	35.23	14.66	80.9	144	24.3	12.2	416	3.48	15.8	0.6	13.0	0.6	24.4	0.55
1081318	Soil			58.00	1135	2.91	50.37	30.77	126.8	648	29.9	16.3	841	4.11	53.9	1.8	37.4	1.3	39.1	0.59
1081319	Soil			222.0	1279	1.29	38.92	17.95	109.1	288	29.6	14.9	679	3.41	29.0	1.0	21.6	2.1	27.2	0.71
1081320	Soil			372.0	1525	0.87	29.29	9.96	69.8	90	20.2	9.5	466	2.47	14.8	0.6	7.5	1.7	25.8	0.36
1081321	Soil			89.00	2394	1.54	35.62	14.28	103.1	344	22.5	11.4	467	3.24	32.3	1.4	25.0	3.3	32.6	0.65
1081322	Soil			86.00	1944	6.37	39.64	14.67	101.8	391	23.3	9.4	427	3.47	29.5	1.8	30.5	3.2	36.6	0.42
1081323	Soil			31.00	1784	1.33	42.94	15.73	83.9	917	27.7	10.7	341	3.64	63.7	1.9	46.3	2.5	36.8	0.30
1081324	Soil			54.00	1916	1.73	38.76	16.32	110.8	259	21.8	13.5	483	3.76	56.5	1.9	23.5	4.5	40.1	0.93
1081325	Soil			137.0	1660	0.93	28.07	14.37	102.9	205	19.0	11.6	348	3.27	28.7	1.0	17.2	3.4	31.2	0.65
1081326	Soil			58.00	1422	0.82	29.50	10.56	65.2	133	17.2	9.3	195	2.07	19.2	0.8	7.3	1.5	23.9	0.58
1081327	Soil			133.0	658.0	2.00	38.04	10.36	76.0	48	34.4	16.7	561	4.36	13.3	0.8	3.6	2.0	25.3	0.38
1081328	Soil			182.0	734.0	2.64	28.10	11.26	55.0	34	18.5	8.5	280	3.64	13.8	0.6	1.7	1.1	19.4	0.28
1081329	Soil			149.0	1144	1.36	55.64	9.05	90.7	1063	19.3	9.9	900	2.45	25.4	2.2	30.0	0.6	46.8	0.55
1081330 Agi Dagi B	Rock Pulp				N.A.	2.80	8.44	28.29	17.9	26	10.8	3.3	90	3.67	62.3	0.8	103.4	4.5	34.7	0.02
1081331	Soil			188.0	1444	0.88	30.85	12.30	71.1	252	21.8	9.9	283	2.84	21.0	1.4	19.9	3.1	26.8	0.33
1081332	Soil			91.00	1219	0.79	22.69	27.94	202.2	443	21.8	10.0	777	2.19	36.1	0.7	142.0	2.1	32.7	1.97



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Page: 2 of 7 Part 2

CERTIFICATE OF ANALYSIS

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		Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Analyte	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te
		Unit	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm
		MDL	2	0.01	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
1081303	Soil		91	0.24	0.069	8.3	46.6	0.70	167.4	0.048	2	2.37	0.007	0.04	<0.1	2.5	0.20	0.07	41	0.4	0.10
1081304	Soil		66	0.31	0.101	10.3	39.9	0.66	150.5	0.053	2	2.41	0.011	0.05	0.1	3.3	0.15	0.07	69	0.5	0.10
1081305	Soil		71	0.36	0.080	10.1	41.4	0.73	148.7	0.082	3	2.39	0.009	0.05	0.1	3.4	0.12	0.02	46	0.4	0.09
1081306	Soil		82	0.27	0.036	8.1	41.4	0.73	124.4	0.079	2	2.76	0.009	0.05	0.1	3.3	0.13	0.03	39	0.3	0.09
1081307	Soil		102	0.21	0.047	8.1	29.8	0.37	128.2	0.062	2	1.70	0.006	0.03	0.1	1.9	0.12	0.04	47	0.3	0.09
1081308	Soil		67	0.36	0.073	9.0	35.3	0.68	90.8	0.092	2	1.88	0.012	0.05	0.2	2.9	0.07	<0.02	41	0.2	0.06
1081309	Soil		67	0.38	0.085	11.4	35.0	0.70	118.6	0.076	2	2.17	0.013	0.07	0.2	3.3	0.16	0.02	41	0.3	0.08
1081310 Agi Dagi A	Rock Pulp		33	0.03	0.021	7.0	15.3	0.12	50.0	0.009	1	0.92	<0.001	0.05	0.4	1.6	0.19	<0.02	28	7.9	3.70
1081311	Soil		60	0.41	0.089	12.7	37.2	0.96	158.8	0.037	2	2.22	0.011	0.07	<0.1	4.7	0.18	<0.02	47	0.5	0.03
1081312	Soil		60	0.26	0.068	14.5	27.6	0.63	101.2	0.049	1	1.62	0.011	0.08	0.2	2.9	0.27	0.11	43	1.6	0.08
1081313	Soil		81	0.32	0.051	8.2	39.0	0.55	119.3	0.064	2	2.34	0.008	0.04	0.1	2.6	0.12	0.06	54	0.4	0.05
1081314	Soil		83	0.41	0.090	9.8	38.6	0.69	125.6	0.089	2	1.93	0.020	0.06	0.3	2.9	0.09	0.04	38	0.6	0.11
1081315	Soil		60	0.28	0.096	9.6	43.0	0.79	118.3	0.042	2	2.43	0.014	0.05	<0.1	2.5	0.15	0.08	70	0.5	0.07
1081316	Soil		81	0.25	0.043	8.9	39.4	0.69	115.6	0.063	<1	2.55	0.008	0.04	<0.1	2.9	0.12	0.04	37	0.3	0.05
1081317	Soil		75	0.25	0.055	7.9	33.3	0.49	101.6	0.058	2	2.08	0.008	0.05	<0.1	2.0	0.09	0.05	24	0.2	0.05
1081318	Soil		75	0.35	0.108	10.4	44.6	0.64	277.6	0.029	<1	3.25	0.009	0.07	0.1	4.4	0.16	0.06	51	0.7	0.34
1081319	Soil		73	0.29	0.065	9.5	39.3	0.67	150.5	0.075	1	2.42	0.011	0.06	0.1	3.9	0.10	<0.02	21	0.4	0.21
1081320	Soil		58	0.32	0.066	8.7	31.2	0.47	130.0	0.076	1	1.69	0.015	0.04	0.1	3.1	0.07	<0.02	24	0.2	0.10
1081321	Soil		75	0.48	0.083	12.3	42.6	0.57	152.0	0.095	<1	1.91	0.015	0.07	0.1	7.1	0.09	<0.02	27	0.1	0.26
1081322	Soil		77	0.53	0.080	13.9	48.6	0.61	185.5	0.098	1	2.23	0.017	0.06	0.1	7.2	0.10	<0.02	49	0.3	0.23
1081323	Soil		79	0.46	0.091	15.5	49.5	0.75	227.9	0.077	2	2.83	0.012	0.06	<0.1	6.5	0.14	0.02	50	0.6	0.20
1081324	Soil		71	0.53	0.082	16.3	40.0	0.66	146.9	0.075	1	1.97	0.021	0.10	<0.1	7.6	0.11	<0.02	24	0.5	0.28
1081325	Soil		70	0.43	0.077	13.1	39.4	0.61	168.6	0.082	1	1.89	0.015	0.06	<0.1	5.4	0.12	<0.02	23	0.6	0.19
1081326	Soil		56	0.28	0.062	9.7	29.8	0.40	138.1	0.069	1	1.58	0.023	0.04	0.1	3.5	0.10	<0.02	25	0.4	0.11
1081327	Soil		85	0.23	0.046	8.7	47.7	0.72	117.3	0.093	1	3.37	0.008	0.04	<0.1	4.0	0.13	0.02	38	0.4	0.06
1081328	Soil		82	0.16	0.035	7.8	29.8	0.40	88.6	0.073	1	1.71	0.012	0.04	<0.1	2.2	0.13	0.02	28	0.2	0.05
1081329	Soil		42	0.55	0.093	11.4	25.1	0.36	232.9	0.035	2	2.12	0.025	0.05	<0.1	3.3	0.14	0.08	58	1.0	0.26
1081330 Agi Dagi B	Rock Pulp		60	0.04	0.019	9.4	20.3	0.13	69.8	0.022	1	1.07	0.002	0.07	0.1	2.1	0.12	0.03	35	2.3	0.46
1081331	Soil		68	0.40	0.067	12.8	40.6	0.65	170.9	0.094	1	2.01	0.013	0.05	<0.1	4.6	0.13	<0.02	36	0.6	0.19
1081332	Soil		64	0.46	0.082	11.3	40.4	0.74	310.9	0.036	1	2.36	0.012	0.05	0.1	5.3	0.21	0.03	29	0.4	0.03



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Project: 210800
Report Date: November 10, 2011

Page: 2 of 7 Part 3

CERTIFICATE OF ANALYSIS

WHI11001388.1

Method Analyte Unit MDL		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1081303	Soil	1.76	<0.1	0.03	0.89	8.7	1.0	<0.05	0.9	4.55	17.0	0.07	<1	0.5	15.5	<10	<2
1081304	Soil	2.23	<0.1	0.03	0.88	7.8	0.8	<0.05	1.4	6.64	20.6	0.04	<1	0.5	13.0	<10	<2
1081305	Soil	2.15	<0.1	0.04	0.82	8.3	1.5	<0.05	1.6	5.72	19.8	0.04	<1	0.4	13.7	<10	<2
1081306	Soil	3.86	<0.1	0.04	1.25	8.0	1.3	<0.05	1.9	4.18	22.6	0.06	<1	0.5	17.2	<10	<2
1081307	Soil	2.18	<0.1	<0.02	1.19	7.8	1.5	<0.05	0.9	3.24	16.5	0.03	<1	0.3	11.2	<10	<2
1081308	Soil	1.62	<0.1	0.08	0.87	5.7	0.6	<0.05	3.4	5.38	18.9	0.03	<1	0.3	11.9	<10	<2
1081309	Soil	2.91	<0.1	0.06	0.83	7.4	1.0	<0.05	2.3	6.32	24.4	0.06	<1	0.3	12.8	<10	<2
1081310 Agi Dagi A	Rock Pulp	0.83	<0.1	0.06	0.37	8.8	3.1	<0.05	0.6	1.44	14.6	0.08	2	0.3	5.5	<10	5
1081311	Soil	7.98	<0.1	0.04	0.59	12.0	1.8	<0.05	3.0	7.86	26.2	0.10	<1	0.4	17.1	<10	<2
1081312	Soil	3.73	<0.1	<0.02	0.60	7.8	1.5	<0.05	1.4	5.62	28.1	0.30	<1	0.4	15.6	<10	<2
1081313	Soil	1.50	<0.1	0.04	1.14	7.9	1.5	<0.05	1.6	4.59	17.5	0.03	<1	0.4	15.2	<10	<2
1081314	Soil	1.86	<0.1	0.04	0.81	6.6	0.7	<0.05	2.5	5.95	19.6	0.04	<1	0.4	11.7	<10	<2
1081315	Soil	2.10	<0.1	0.02	0.74	7.5	1.2	<0.05	1.0	5.80	19.3	0.05	<1	0.4	15.1	<10	<2
1081316	Soil	3.18	<0.1	0.04	1.03	9.0	0.8	<0.05	1.2	5.13	23.6	0.03	<1	0.6	15.4	<10	<2
1081317	Soil	1.54	<0.1	0.03	1.07	8.8	1.1	<0.05	1.2	4.05	16.2	0.03	<1	0.4	13.9	<10	<2
1081318	Soil	9.27	<0.1	0.03	0.82	10.3	1.2	<0.05	1.5	6.96	20.9	0.05	<1	0.7	17.0	<10	<2
1081319	Soil	3.32	<0.1	0.04	0.89	8.5	1.2	<0.05	2.2	5.83	28.4	0.04	<1	0.6	14.4	<10	<2
1081320	Soil	1.24	<0.1	0.04	0.63	6.6	0.5	<0.05	1.9	4.97	18.0	0.03	<1	0.2	9.6	<10	<2
1081321	Soil	3.14	<0.1	0.21	0.14	7.6	0.9	<0.05	10.4	10.80	23.8	0.04	<1	0.4	11.7	<10	<2
1081322	Soil	4.64	<0.1	0.08	0.40	8.3	0.8	<0.05	4.8	12.02	24.9	0.04	<1	0.4	15.6	<10	<2
1081323	Soil	2.98	<0.1	0.04	0.74	8.2	0.8	<0.05	2.3	11.39	28.9	0.05	<1	0.5	16.6	<10	<2
1081324	Soil	6.19	<0.1	0.27	0.18	8.6	0.6	<0.05	11.7	14.35	30.6	0.04	<1	0.6	11.8	<10	<2
1081325	Soil	3.16	<0.1	0.15	0.48	7.2	0.7	<0.05	6.8	8.93	27.5	0.04	<1	0.5	13.1	<10	<2
1081326	Soil	1.68	<0.1	0.03	0.74	7.0	0.4	<0.05	2.0	6.21	21.2	<0.02	<1	0.4	9.3	<10	<2
1081327	Soil	1.38	<0.1	0.07	1.46	6.9	0.7	<0.05	4.0	4.70	17.7	0.04	<1	0.5	20.3	<10	<2
1081328	Soil	1.43	<0.1	0.04	1.40	7.3	0.6	<0.05	2.5	2.88	15.0	0.03	<1	0.3	13.4	<10	<2
1081329	Soil	6.72	<0.1	0.03	0.77	8.3	0.4	<0.05	1.6	10.92	20.2	0.04	<1	0.5	13.4	<10	<2
1081330 Agi Dagi B	Rock Pulp	0.89	<0.1	0.13	0.49	10.8	0.5	<0.05	7.1	2.68	17.4	0.02	<1	0.2	6.6	<10	<2
1081331	Soil	2.98	<0.1	0.08	0.74	7.2	0.9	<0.05	3.4	7.46	26.9	0.04	<1	0.4	18.0	<10	<2
1081332	Soil	10.78	<0.1	0.03	0.55	8.7	0.9	<0.05	0.9	7.19	27.0	0.07	<1	0.5	19.4	<10	<2



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Page: 3 of 7 Part 1

CERTIFICATE OF ANALYSIS

WHI11001388.1

	Method Analyte Unit MDL	WGHT Wgt kg 0.01	SS80 -80 Wt g 0	SS80 +80 Wt g 0.01	1F30 Mo ppm 0.01	1F30 Cu ppm 0.01	1F30 Pb ppm 0.01	1F30 Zn ppm 0.1	1F30 Ag ppb 2	1F30 Ni ppm 0.1	1F30 Co ppm 0.1	1F30 Mn ppm 1	1F30 Fe % 0.01	1F30 As ppm 0.1	1F30 U ppm 0.1	1F30 Au ppb 0.2	1F30 Th ppm 0.1	1F30 Sr ppm 0.5	1F30 Cd ppm 0.01	1F30 Sb ppm 0.02	1F30 Bi ppm 0.02
1081333	Soil		152.0	780.0	0.56	36.57	16.06	196.3	800	16.4	4.9	214	1.82	33.0	1.0	35.3	0.5	34.1	3.05	1.23	0.82
1081334	Soil		165.0	790.0	1.37	46.83	11.97	151.4	836	15.5	10.1	799	2.49	33.8	1.2	26.2	0.5	39.2	1.16	1.01	0.87
1081335	Soil		168.0	848.0	1.02	43.91	15.68	195.8	728	18.6	8.1	504	2.75	49.7	1.0	30.3	0.9	29.8	1.15	1.18	1.02
1081336	Soil		191.0	1594	1.03	40.65	8.49	102.5	81	43.3	16.7	694	4.14	13.5	1.2	3.4	9.1	39.9	0.25	0.67	0.60
1081337	Soil		144.0	1230	2.75	37.97	8.67	115.5	72	33.9	17.0	747	4.08	26.1	1.2	4.2	2.3	34.0	0.19	0.90	0.44
1081338	Soil		121.0	1106	14.45	42.92	7.73	84.9	69	30.0	14.8	611	3.62	99.1	1.6	3.8	4.7	32.8	0.31	0.76	0.37
1081339	Soil		166.0	2412	1.35	120.7	6.87	91.3	122	24.7	11.0	427	3.30	51.4	2.0	15.8	14.3	35.2	0.79	0.65	0.91
1081340	Soil		263.0	1002	2.21	61.94	9.77	149.6	121	37.2	16.2	615	3.94	46.1	1.3	4.6	2.2	31.3	2.02	0.90	0.44
1081341	Soil		250.0	1440	0.84	70.14	7.55	294.2	133	26.6	12.6	592	3.28	28.0	1.6	9.3	6.1	38.2	3.79	0.65	0.70
1081342	Soil		253.0	808.0	2.04	31.31	8.66	107.8	69	32.8	18.3	779	3.84	11.3	0.9	4.3	1.3	33.2	0.52	0.82	0.29
1081343	Soil		188.0	995.0	1.58	61.25	8.54	201.2	163	37.1	15.8	669	3.57	272.9	2.2	12.1	2.7	37.0	1.86	0.80	0.96
1081344	Soil		263.0	1318	1.28	111.3	7.30	249.4	519	33.3	13.0	545	3.40	648.9	3.2	23.1	6.8	37.3	2.63	0.97	1.95
1081345	Soil		100.00	668.0	1.48	53.56	6.80	119.9	202	26.3	13.6	540	2.80	116.4	1.8	4.5	1.4	41.5	3.58	0.62	0.45
1081346	Soil		279.0	1280	1.57	97.77	8.69	399.5	513	28.9	12.9	546	3.51	449.3	14.0	8.2	5.1	36.5	5.29	0.93	1.01
1081347	Soil		94.00	1218	1.60	69.73	7.86	135.1	904	22.2	7.5	204	2.70	134.0	8.5	6.7	4.1	34.3	2.78	0.65	0.42
1081348	Soil		285.0	1217	1.30	53.67	7.10	175.0	224	21.2	13.9	687	3.16	167.4	4.3	6.0	3.2	31.0	1.94	0.61	0.41
1081349	Soil		332.0	1197	1.15	31.70	17.43	85.4	653	24.9	12.5	549	3.17	68.6	2.9	5.7	2.9	29.6	0.53	0.72	0.20
1081350 GS-1	Rock Pulp			N.A.	0.62	19.83	8.59	50.4	38	25.0	11.6	420	2.74	4.4	1.5	0.3	7.1	86.1	0.05	0.19	0.19
1081404	Soil		310.0	1225	1.91	20.77	13.26	71.8	152	21.5	9.9	267	3.05	7.7	11.7	5.7	9.3	33.6	0.16	0.52	0.16
1081405	Soil		268.0	834.0	3.21	21.36	15.15	75.5	132	22.0	11.2	450	2.97	6.9	24.8	3.4	4.6	66.5	0.26	0.42	0.14
1081406	Soil		270.0	815.0	3.11	24.72	11.46	75.5	143	24.9	13.0	586	3.20	7.9	11.4	3.5	5.0	45.9	0.29	0.50	0.17
1081407	Soil		312.0	1620	1.80	19.87	10.52	62.6	59	20.1	10.8	370	3.05	5.8	2.0	15.7	8.6	27.1	0.17	0.39	0.23
1081408	Soil		350.0	672.0	2.22	22.18	11.13	64.6	154	20.1	9.6	337	2.75	8.4	3.5	3.0	3.4	38.4	0.14	0.46	0.31
1081409	Soil		295.0	814.0	3.20	22.26	12.99	73.4	170	23.1	10.4	304	3.43	13.0	4.7	3.8	4.5	32.9	0.21	0.49	0.25
1081410 Agi Dagi A	Rock Pulp			N.A.	73.26	16.59	62.81	18.5	51	9.2	2.5	82	3.46	81.9	0.5	432.8	3.0	10.6	0.04	3.41	18.43
1081411	Soil		361.0	1118	3.10	23.97	12.58	66.3	131	22.1	9.6	287	2.88	8.0	5.5	3.2	6.5	28.1	0.13	0.57	0.43
1081412	Soil		371.0	1188	1.73	16.24	13.01	58.9	82	18.5	8.5	260	2.41	6.0	2.8	2.7	8.1	27.3	0.16	0.38	0.22
1081413	Soil		257.0	983.0	4.25	22.79	9.74	71.7	171	22.9	12.6	546	3.22	13.7	6.7	4.1	4.7	41.4	0.17	0.55	0.24
1081414	Soil		-9.0000	997.0	3.93	31.79	10.54	65.0	138	23.1	10.0	248	3.31	8.9	6.9	4.5	6.6	35.7	0.19	0.76	0.23
1081415	Soil		241.0	1123	13.74	27.40	10.47	70.2	122	21.7	13.4	419	3.42	9.5	55.8	6.1	10.0	59.2	0.15	0.59	0.28



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Report Date: November 10, 2011

Page: 3 of 7 Part 2

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te
		ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm
		2	0.01	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
1081333	Soil	42	0.40	0.073	10.3	31.4	0.47	190.4	0.027	<1	2.15	0.019	0.05	<0.1	3.0	0.19	0.07	47	0.8	0.03
1081334	Soil	50	0.40	0.091	10.3	25.6	0.37	188.3	0.033	<1	1.98	0.025	0.05	<0.1	2.5	0.15	0.07	57	0.7	0.12
1081335	Soil	56	0.30	0.058	10.4	29.5	0.53	190.2	0.044	<1	2.38	0.029	0.07	<0.1	3.2	0.20	0.04	49	0.7	0.14
1081336	Soil	99	0.61	0.036	12.6	42.9	1.14	242.2	0.196	3	3.20	0.026	0.25	3.3	5.6	0.40	0.03	17	0.2	0.05
1081337	Soil	86	0.46	0.075	13.5	42.0	0.91	178.3	0.091	2	2.44	0.025	0.14	9.2	3.8	0.31	0.06	36	0.4	0.05
1081338	Soil	84	0.45	0.049	10.4	42.5	0.83	173.3	0.118	2	2.42	0.023	0.10	2.0	4.2	0.31	0.03	18	0.3	0.05
1081339	Soil	84	0.56	0.083	20.4	38.3	0.88	237.1	0.192	2	2.34	0.028	0.22	4.5	4.6	0.48	<0.02	9	0.3	0.07
1081340	Soil	92	0.47	0.051	10.7	43.7	0.78	162.1	0.071	2	2.34	0.019	0.06	0.3	3.9	0.14	0.05	35	0.3	0.04
1081341	Soil	78	0.43	0.037	13.2	35.9	0.74	155.7	0.116	2	2.16	0.032	0.10	0.9	3.8	0.20	0.03	30	0.2	0.03
1081342	Soil	85	0.49	0.059	10.7	43.7	0.78	133.1	0.072	2	2.10	0.029	0.06	<0.1	3.8	0.11	0.07	32	0.4	0.05
1081343	Soil	80	0.59	0.062	10.1	41.4	0.78	147.0	0.071	2	1.93	0.033	0.06	0.5	3.6	0.13	0.06	34	0.4	0.05
1081344	Soil	80	0.39	0.047	12.6	39.0	0.77	148.7	0.093	1	2.01	0.025	0.07	0.8	3.6	0.15	0.03	31	0.3	0.05
1081345	Soil	60	0.72	0.060	13.4	33.3	0.69	143.8	0.060	3	1.57	0.047	0.06	0.1	3.1	0.13	0.09	29	0.5	0.03
1081346	Soil	77	0.48	0.076	24.3	38.6	0.80	145.7	0.075	2	2.07	0.027	0.07	0.4	4.1	0.18	0.06	35	0.5	0.05
1081347	Soil	62	0.55	0.124	27.6	37.1	0.66	189.0	0.046	1	2.17	0.025	0.06	0.3	3.3	0.20	0.14	70	0.7	<0.02
1081348	Soil	69	0.41	0.070	15.7	34.3	0.75	183.2	0.057	1	1.95	0.025	0.06	0.3	3.1	0.15	0.07	25	0.3	<0.02
1081349	Soil	71	0.41	0.064	14.4	36.5	0.72	145.6	0.065	1	2.12	0.019	0.05	0.3	3.3	0.14	0.06	46	0.4	0.02
1081350 GS-1	Rock Pulp	16	3.65	0.040	17.5	19.7	1.09	69.7	0.029	1	1.36	0.031	0.25	0.1	2.3	0.11	0.03	9	0.1	0.02
1081404	Soil	71	0.55	0.069	25.9	34.6	0.73	164.4	0.102	1	2.11	0.018	0.07	0.3	5.0	0.19	0.04	42	0.3	<0.02
1081405	Soil	66	0.89	0.061	22.0	34.3	0.73	191.0	0.081	1	1.89	0.025	0.08	0.2	4.3	0.13	0.06	29	0.3	<0.02
1081406	Soil	72	0.78	0.071	25.5	36.5	0.74	213.8	0.082	1	2.07	0.023	0.08	0.2	4.4	0.16	0.08	30	0.3	0.03
1081407	Soil	71	0.61	0.075	12.4	33.5	0.73	146.9	0.142	1	1.76	0.022	0.10	0.7	3.5	0.19	<0.02	11	0.2	0.02
1081408	Soil	62	0.78	0.067	17.0	32.7	0.65	182.5	0.070	1	1.77	0.026	0.07	0.2	3.5	0.13	0.07	39	0.4	0.03
1081409	Soil	74	0.68	0.079	21.0	37.4	0.74	167.5	0.083	2	2.12	0.024	0.08	0.2	4.4	0.18	0.07	44	0.4	0.04
1081410 Agi Dagi A	Rock Pulp	33	0.03	0.021	6.5	14.5	0.12	49.7	0.008	<1	0.98	0.001	0.05	0.3	1.5	0.18	<0.02	24	7.3	3.43
1081411	Soil	69	0.56	0.072	25.2	35.9	0.74	184.8	0.102	1	1.99	0.021	0.07	0.2	4.3	0.25	0.06	53	0.4	0.03
1081412	Soil	62	0.61	0.063	15.5	32.6	0.71	164.0	0.121	1	1.76	0.023	0.09	0.4	3.6	0.22	0.04	35	0.3	0.03
1081413	Soil	70	0.80	0.072	24.1	36.1	0.72	180.1	0.078	2	1.89	0.022	0.08	0.5	4.6	0.14	0.06	35	0.4	0.05
1081414	Soil	72	0.66	0.071	28.8	38.6	0.71	210.1	0.094	2	2.11	0.021	0.08	0.3	5.4	0.16	0.07	48	0.3	0.03
1081415	Soil	69	0.82	0.073	22.0	33.5	0.74	193.6	0.112	1	1.87	0.026	0.08	1.8	4.9	0.20	0.05	33	0.6	0.03



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Project: 210800

Report Date: November 10, 2011

Page: 3 of 7 Part 3

CERTIFICATE OF ANALYSIS

WHI11001388.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1081333	Soil	8.08	<0.1	<0.02	0.69	9.3	0.5	<0.05	0.8	8.30	17.4	0.04	<1	0.5	14.8	<10	<2
1081334	Soil	6.54	<0.1	0.03	0.83	12.1	0.5	<0.05	1.3	10.36	17.1	0.03	<1	0.5	11.2	<10	<2
1081335	Soil	7.92	<0.1	<0.02	0.79	13.0	0.7	<0.05	1.2	9.42	17.8	0.03	<1	0.3	19.3	<10	<2
1081336	Soil	4.27	<0.1	0.07	1.70	40.8	2.0	<0.05	4.4	5.99	43.7	0.04	<1	1.0	26.7	<10	<2
1081337	Soil	4.26	<0.1	0.03	1.11	36.8	1.9	<0.05	1.2	7.95	39.0	0.05	<1	0.9	22.9	<10	<2
1081338	Soil	4.46	<0.1	0.05	1.19	20.0	1.3	<0.05	2.8	5.04	24.1	0.04	<1	0.8	23.2	<10	<2
1081339	Soil	5.00	<0.1	0.13	1.10	42.3	2.0	<0.05	6.3	9.69	38.7	0.04	2	0.9	19.5	<10	<2
1081340	Soil	1.76	<0.1	0.04	0.89	9.8	1.0	<0.05	1.9	6.59	26.4	0.03	<1	0.6	15.5	<10	<2
1081341	Soil	2.97	<0.1	0.06	1.07	15.1	1.3	<0.05	3.1	5.69	35.7	0.03	1	0.7	12.3	<10	<2
1081342	Soil	1.15	<0.1	0.04	0.90	10.9	0.7	<0.05	1.6	7.10	25.2	0.03	<1	0.5	13.3	<10	<2
1081343	Soil	1.97	<0.1	0.03	0.92	11.1	1.1	<0.05	1.7	5.94	25.3	0.03	<1	0.5	14.5	<10	<2
1081344	Soil	2.12	<0.1	0.05	0.98	11.7	1.3	<0.05	2.9	5.61	26.0	0.03	<1	0.8	14.7	<10	<2
1081345	Soil	1.24	<0.1	0.05	0.94	9.0	0.7	<0.05	2.4	7.46	24.4	0.03	<1	0.4	9.7	<10	<2
1081346	Soil	3.37	<0.1	0.05	1.06	14.1	1.0	<0.05	2.5	11.11	40.9	0.04	<1	0.8	16.5	<10	<2
1081347	Soil	2.43	<0.1	0.06	1.29	14.5	1.1	<0.05	2.4	12.19	46.4	0.02	<1	0.8	12.4	<10	<2
1081348	Soil	1.96	<0.1	0.04	0.90	11.0	0.7	<0.05	1.5	7.12	26.0	0.02	<1	0.6	15.1	<10	<2
1081349	Soil	1.88	<0.1	0.04	0.98	9.2	0.5	<0.05	2.1	8.06	26.8	0.02	<1	0.6	14.2	<10	<2
1081350 GS-1	Rock Pulp	1.02	<0.1	0.02	0.67	16.4	0.6	<0.05	0.8	7.22	35.2	<0.02	<1	0.3	29.4	<10	<2
1081404	Soil	2.09	<0.1	0.05	1.55	13.5	0.9	<0.05	3.0	11.02	35.8	0.03	<1	0.4	22.5	<10	<2
1081405	Soil	1.23	<0.1	0.06	1.46	15.0	0.6	<0.05	3.2	11.30	29.5	0.03	<1	0.4	26.6	<10	<2
1081406	Soil	1.52	<0.1	0.06	1.73	19.1	0.7	<0.05	2.7	12.18	39.1	<0.02	<1	0.4	24.5	<10	<2
1081407	Soil	1.81	<0.1	0.10	1.60	16.9	0.7	<0.05	3.9	6.35	23.9	0.03	<1	0.3	17.6	<10	<2
1081408	Soil	1.46	<0.1	0.05	1.49	13.4	0.8	<0.05	3.0	7.44	27.0	0.02	<1	0.4	14.2	<10	<2
1081409	Soil	1.97	<0.1	0.06	1.63	16.9	0.7	<0.05	2.8	8.54	35.5	0.03	<1	0.4	20.2	<10	<2
1081410 Agi Dagi A	Rock Pulp	0.82	<0.1	<0.02	0.39	8.6	2.7	<0.05	0.6	1.42	14.2	0.07	2	0.2	5.6	<10	7
1081411	Soil	2.70	<0.1	0.07	2.04	17.0	0.7	<0.05	3.1	9.62	43.0	0.03	<1	0.4	22.2	<10	<2
1081412	Soil	2.55	<0.1	0.07	2.02	20.1	0.8	<0.05	3.1	6.42	27.3	0.02	<1	0.3	21.6	<10	<2
1081413	Soil	2.00	<0.1	0.05	1.45	15.8	0.5	<0.05	2.4	11.16	31.8	0.03	<1	0.5	21.5	<10	<2
1081414	Soil	1.55	<0.1	0.09	1.94	15.6	0.7	<0.05	4.0	14.28	43.8	0.04	<1	0.5	21.2	<10	<2
1081415	Soil	1.69	<0.1	0.10	2.18	18.1	0.6	<0.05	4.9	12.02	37.5	0.02	<1	0.4	19.7	<10	<2



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Report Date: November 10, 2011

Page: 4 of 7 Part 1

CERTIFICATE OF ANALYSIS

WHI11001388.1

	Method	WGHT	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Wgt	-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
	Unit	kg	g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0	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
1081416	Soil		429.0	1346	4.51	27.54	14.17	72.9	141	23.9	10.7	234	3.12	10.4	6.4	15.5	9.0	28.2	0.15	0.66	0.32
1081417	Soil		145.0	1550	2.90	32.92	13.87	75.0	149	24.4	10.3	292	3.23	7.6	4.6	5.8	10.7	30.7	0.24	0.55	0.30
1081418	Soil		150.0	1449	6.37	19.63	9.43	67.6	97	19.8	10.6	332	2.99	8.2	1.9	14.6	8.5	28.4	0.21	0.48	0.49
1081419	Soil		674.0	1901	1.96	30.38	9.12	75.8	93	30.6	12.9	345	3.15	8.2	2.6	4.1	8.8	29.9	0.24	0.64	0.24
1081420	Soil		107.0	1494	1.50	26.46	10.83	69.2	81	25.7	11.1	301	2.93	8.3	2.4	4.5	8.3	29.2	0.20	0.66	0.16
1081421	Soil		306.0	1804	2.85	28.58	12.22	71.8	101	26.7	13.4	428	3.33	9.9	2.8	5.9	8.6	36.0	0.21	0.62	0.22
1081422	Soil		282.0	1364	3.44	32.86	13.10	72.6	109	28.1	16.0	394	3.32	10.1	3.8	6.5	8.5	32.7	0.28	0.73	0.25
1081423	Soil		425.0	1717	2.07	33.83	7.54	56.3	136	26.7	12.0	834	2.52	8.4	3.1	22.3	4.1	38.1	0.30	0.66	0.17
1081424	Soil		222.0	1794	2.08	32.12	9.00	68.1	92	29.1	13.4	490	3.48	11.8	2.7	3.5	7.8	32.6	0.23	0.67	0.17
1081425	Soil		483.0	1704	2.03	28.58	9.97	66.3	87	26.5	12.8	396	3.60	14.8	2.6	4.9	8.3	32.6	0.20	0.67	0.21
1081426	Soil		369.0	2026	1.71	25.62	10.43	66.9	62	24.5	10.2	224	3.14	12.3	2.2	8.2	8.8	30.3	0.21	0.72	0.20
1081427	Soil		471.0	1686	1.61	26.87	11.94	66.9	111	23.0	11.1	251	3.16	7.6	4.5	9.1	8.6	31.1	0.19	0.63	0.15
1081428	Soil		345.0	822.0	3.22	23.53	9.31	68.7	131	22.6	10.6	402	2.99	7.9	4.0	9.0	3.9	38.4	0.13	0.54	0.23
1081429	Soil		256.0	1298	1.75	26.08	10.27	70.2	57	22.6	9.2	257	2.91	4.2	5.7	7.3	10.4	33.3	0.20	0.47	0.24
1081430 Agi Dagi B	Rock Pulp			N.A.	2.67	7.75	24.80	16.3	20	9.8	3.0	86	3.41	59.9	0.8	112.8	4.3	30.5	0.03	0.98	1.88
1081431	Soil		277.0	756.0	3.59	22.42	9.54	70.0	141	22.4	9.5	265	2.76	7.4	15.1	3.4	4.6	60.3	0.12	0.55	0.22
1081432	Soil		316.0	724.0	4.99	24.15	8.90	67.8	152	23.0	10.7	240	3.00	7.8	22.9	4.2	4.1	94.4	0.15	0.55	0.21
1081433	Soil		270.0	786.0	1.53	20.41	8.63	57.3	104	20.3	8.9	194	2.66	6.5	3.5	3.9	4.6	37.4	0.11	0.58	0.17
1081434	Soil		228.0	880.0	2.83	24.64	9.29	65.8	159	21.5	10.5	437	2.99	8.9	5.5	3.7	4.4	35.1	0.15	0.58	0.29
1081435	Soil		323.0	1462	3.24	33.08	8.30	63.5	102	22.7	11.0	474	2.91	6.6	5.8	4.6	7.4	34.6	0.13	0.46	0.18
1081436	Soil		343.0	1962	9.07	34.22	13.74	77.2	208	24.0	12.1	439	3.28	9.9	7.8	3.5	5.6	39.7	0.11	0.56	0.26
1081437	Soil		291.0	1234	6.01	38.09	6.89	62.6	126	20.6	9.8	420	2.59	7.0	3.5	11.3	4.9	47.5	0.22	0.53	0.21
1081438	Soil		329.0	662.0	7.47	42.42	7.81	75.3	186	24.5	11.1	494	2.90	8.6	6.1	8.3	3.7	46.7	0.21	0.60	0.15
1081439	Soil		257.0	1386	5.84	27.25	11.51	75.4	83	23.4	11.7	568	2.98	8.0	3.9	3.3	4.8	50.2	0.16	0.60	0.19
1081440	Soil		451.0	1026	1.41	35.83	7.83	76.3	127	24.3	13.4	510	2.95	13.0	2.1	3.3	2.7	33.8	0.17	0.94	0.29
1081441	Soil		368.0	939.0	1.50	30.71	7.64	79.5	127	25.9	17.5	1166	3.25	17.4	2.0	5.8	2.8	38.9	0.23	0.98	0.25
1081442	Soil		286.0	575.0	1.82	23.96	7.40	71.6	88	24.3	14.9	896	2.81	11.2	1.4	6.1	1.3	36.5	0.23	0.84	0.23
1081443	Soil		291.0	811.0	2.07	29.26	7.44	71.6	134	18.7	13.7	817	2.74	24.1	1.1	2.1	1.7	42.3	0.21	0.59	0.29
1081444	Soil		357.0	844.0	1.38	21.49	7.71	59.3	103	18.4	7.9	256	2.30	18.4	0.8	5.1	1.3	31.8	0.13	0.58	0.33
1081445	Soil		349.0	632.0	1.43	20.78	7.74	68.0	136	21.3	12.6	511	2.44	14.6	1.0	3.4	1.4	38.4	0.22	0.63	0.25



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Report Date: November 10, 2011

Page: 4 of 7 **Part** 2

CERTIFICATE OF ANALYSIS

WHI11001388.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te
		ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm
		2	0.01	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
1081416	Soil	77	0.49	0.080	28.5	40.1	0.78	189.3	0.109	1	2.26	0.019	0.09	2.0	5.5	0.20	0.05	48	0.3	0.03
1081417	Soil	73	0.61	0.073	29.2	39.6	0.85	196.7	0.121	2	2.27	0.021	0.11	1.4	6.2	0.20	0.03	34	0.5	0.02
1081418	Soil	67	0.68	0.072	16.8	32.2	0.74	141.1	0.103	2	1.95	0.020	0.10	18.0	4.4	0.16	0.04	25	0.2	<0.02
1081419	Soil	72	0.55	0.069	21.0	42.8	0.81	193.7	0.112	2	2.20	0.025	0.06	1.1	5.6	0.16	0.02	39	0.3	0.03
1081420	Soil	72	0.58	0.064	16.5	41.5	0.76	165.3	0.108	1	2.12	0.022	0.06	0.9	5.3	0.14	0.03	40	0.3	0.03
1081421	Soil	75	0.71	0.079	15.2	39.3	0.78	170.9	0.115	2	1.99	0.031	0.07	1.1	5.4	0.12	0.02	41	0.3	0.04
1081422	Soil	73	0.63	0.076	19.8	41.8	0.76	190.0	0.101	1	2.11	0.025	0.06	2.4	5.8	0.15	0.03	37	0.3	0.03
1081423	Soil	56	0.76	0.090	18.4	34.6	0.60	163.3	0.070	2	1.71	0.028	0.05	1.1	4.4	0.13	0.06	45	0.5	0.02
1081424	Soil	76	0.61	0.070	18.1	40.6	0.74	176.8	0.101	1	2.11	0.026	0.06	0.4	5.7	0.13	0.03	48	0.4	0.04
1081425	Soil	78	0.56	0.065	19.1	40.9	0.74	170.0	0.118	2	2.22	0.027	0.06	0.7	5.7	0.15	0.03	35	0.4	<0.02
1081426	Soil	73	0.59	0.069	17.2	37.7	0.75	163.8	0.117	1	2.11	0.026	0.05	1.4	5.1	0.13	0.03	32	0.2	<0.02
1081427	Soil	76	0.57	0.073	22.2	35.1	0.72	187.9	0.115	1	1.95	0.027	0.06	0.3	4.9	0.15	0.04	51	0.3	0.02
1081428	Soil	66	0.57	0.075	19.8	38.3	0.74	203.6	0.066	2	2.22	0.018	0.06	0.4	4.4	0.15	0.06	41	0.5	0.03
1081429	Soil	71	0.56	0.078	20.7	40.6	0.81	221.2	0.143	2	2.12	0.017	0.07	1.0	5.6	0.18	<0.02	24	0.2	0.03
1081430 Agi Dagi B	Rock Pulp	58	0.04	0.020	8.1	19.1	0.11	65.1	0.018	<1	1.04	0.001	0.06	0.1	1.9	0.09	0.02	34	2.2	0.35
1081431	Soil	66	0.86	0.068	26.0	35.6	0.71	188.6	0.071	2	1.98	0.021	0.06	0.3	4.6	0.14	0.05	43	0.4	0.03
1081432	Soil	65	0.75	0.081	26.1	35.9	0.81	199.9	0.069	3	2.07	0.025	0.06	0.2	4.4	0.13	0.07	46	0.3	0.04
1081433	Soil	61	0.62	0.074	18.9	31.4	0.67	224.5	0.082	2	1.85	0.019	0.05	0.2	3.5	0.15	0.06	34	0.4	<0.02
1081434	Soil	65	0.58	0.070	18.9	34.9	0.71	176.9	0.073	2	1.95	0.020	0.06	0.2	4.0	0.14	0.06	41	0.3	0.04
1081435	Soil	70	0.56	0.070	23.9	33.7	0.74	217.4	0.122	2	1.86	0.020	0.08	4.9	3.7	0.18	0.04	40	0.4	0.02
1081436	Soil	74	0.65	0.083	22.3	39.6	0.79	173.2	0.080	2	2.16	0.020	0.07	0.7	4.4	0.13	0.05	53	0.5	0.04
1081437	Soil	58	0.88	0.067	18.5	29.6	0.60	154.3	0.079	1	1.53	0.024	0.06	3.4	3.2	0.11	0.04	32	0.4	0.02
1081438	Soil	62	0.87	0.079	21.5	34.9	0.70	219.3	0.076	2	1.96	0.023	0.06	0.4	4.0	0.13	0.06	36	0.3	0.03
1081439	Soil	65	0.84	0.068	15.0	35.6	0.76	196.3	0.091	2	1.95	0.023	0.07	0.5	4.1	0.12	0.05	45	0.3	0.03
1081440	Soil	66	0.63	0.085	13.0	37.9	0.66	133.1	0.071	1	1.75	0.020	0.05	0.3	4.1	0.11	0.04	44	0.5	0.05
1081441	Soil	80	0.74	0.096	12.7	44.0	0.78	136.7	0.098	1	1.88	0.019	0.09	0.4	4.6	0.14	0.04	38	0.4	0.05
1081442	Soil	64	0.73	0.081	9.5	41.8	0.62	121.7	0.080	2	1.53	0.019	0.05	0.3	3.3	0.15	0.03	48	0.3	0.06
1081443	Soil	66	0.80	0.076	10.0	32.7	0.66	130.6	0.079	2	1.62	0.019	0.07	0.4	3.6	0.08	0.05	33	0.4	0.03
1081444	Soil	58	0.58	0.061	8.7	30.1	0.55	113.9	0.060	2	1.42	0.019	0.05	0.2	2.9	0.08	0.05	35	0.3	0.07
1081445	Soil	56	0.70	0.072	10.3	32.2	0.58	130.7	0.050	2	1.57	0.020	0.05	0.1	3.1	0.10	0.05	47	0.4	0.03



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Project: 210800
Report Date: November 10, 2011

Page: 4 of 7 Part 3

CERTIFICATE OF ANALYSIS

WHI11001388.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1081416	Soil	2.08	<0.1	0.08	1.76	17.7	0.8	<0.05	3.8	12.45	50.0	0.03	<1	0.5	22.9	<10	<2
1081417	Soil	2.51	<0.1	0.08	1.54	19.9	0.8	<0.05	3.7	14.13	44.8	0.03	<1	0.5	24.8	<10	<2
1081418	Soil	2.14	<0.1	0.07	1.46	16.0	1.0	<0.05	3.3	7.80	29.4	0.03	<1	0.4	21.6	<10	<2
1081419	Soil	1.90	<0.1	0.11	1.53	11.7	0.7	<0.05	5.2	12.44	37.3	0.03	<1	0.5	19.4	<10	<2
1081420	Soil	1.69	<0.1	0.08	1.49	10.4	1.0	<0.05	5.0	9.68	33.6	0.03	<1	0.4	16.8	<10	<2
1081421	Soil	1.47	<0.1	0.13	1.64	10.7	0.7	<0.05	7.4	9.20	30.8	0.04	<1	0.4	16.8	<10	<2
1081422	Soil	1.75	<0.1	0.11	1.61	10.5	1.2	<0.05	5.5	13.03	40.8	0.04	<1	0.5	15.6	<10	<2
1081423	Soil	1.31	<0.1	0.07	1.33	10.2	0.5	<0.05	3.7	13.51	35.6	0.03	<1	0.5	12.7	<10	<2
1081424	Soil	1.47	<0.1	0.11	1.46	10.1	0.9	<0.05	6.3	12.38	36.5	0.03	<1	0.5	15.0	<10	<2
1081425	Soil	1.79	<0.1	0.11	1.61	10.7	0.6	<0.05	5.9	11.36	37.7	0.03	<1	0.4	17.1	<10	<2
1081426	Soil	1.72	<0.1	0.11	1.70	9.2	0.6	<0.05	5.4	10.21	34.4	0.03	<1	0.4	17.0	<10	<2
1081427	Soil	1.55	<0.1	0.10	1.75	12.1	0.8	<0.05	4.6	10.80	36.2	0.03	<1	0.5	18.7	<10	<2
1081428	Soil	1.81	<0.1	0.06	1.26	11.2	0.8	<0.05	2.5	9.34	31.6	0.05	<1	0.4	17.6	<10	<2
1081429	Soil	2.05	<0.1	0.08	0.99	14.7	1.0	<0.05	5.1	9.12	33.7	0.02	<1	0.4	25.0	<10	<2
1081430 Agi Dagi B	Rock Pulp	0.77	<0.1	0.12	0.41	9.0	0.5	<0.05	6.6	2.47	15.7	<0.02	1	0.3	6.1	11	<2
1081431	Soil	2.13	<0.1	0.06	1.31	13.4	0.6	<0.05	3.0	12.52	34.7	0.03	1	0.3	19.5	<10	<2
1081432	Soil	1.84	<0.1	0.05	1.25	12.4	0.6	<0.05	2.6	11.87	37.0	0.03	<1	0.4	18.7	<10	<2
1081433	Soil	1.72	<0.1	0.05	1.39	12.7	0.7	<0.05	2.7	7.89	29.9	<0.02	<1	0.4	17.0	<10	<2
1081434	Soil	1.98	<0.1	0.04	1.30	15.7	0.7	<0.05	2.9	8.53	27.4	0.02	<1	0.3	17.8	<10	<2
1081435	Soil	2.08	<0.1	0.07	1.53	16.9	0.8	<0.05	3.4	8.66	39.5	0.02	<1	0.5	19.0	<10	<2
1081436	Soil	1.81	<0.1	0.05	1.28	15.2	1.0	<0.05	2.5	7.86	33.6	0.03	<1	0.5	20.2	<10	<2
1081437	Soil	1.41	<0.1	0.05	1.31	12.3	0.8	<0.05	2.7	8.14	31.9	0.02	<1	0.3	13.8	<10	<2
1081438	Soil	1.73	<0.1	0.05	1.40	15.6	0.7	<0.05	2.7	9.54	32.1	0.02	<1	0.5	18.0	<10	<2
1081439	Soil	1.67	<0.1	0.05	1.40	16.7	0.8	<0.05	2.9	7.31	26.8	0.02	<1	0.3	18.9	<10	<2
1081440	Soil	1.71	<0.1	0.05	1.21	9.4	0.5	<0.05	2.8	7.69	25.8	0.03	<1	0.5	16.0	<10	<2
1081441	Soil	1.82	<0.1	0.05	1.30	14.3	0.6	<0.05	2.7	7.40	25.9	0.03	<1	0.4	17.0	<10	<2
1081442	Soil	1.55	<0.1	0.04	1.18	11.3	0.6	<0.05	1.6	5.51	19.1	0.06	2	0.2	12.4	<10	<2
1081443	Soil	1.17	<0.1	0.03	1.14	13.0	0.5	<0.05	2.7	5.71	19.4	<0.02	<1	0.3	13.2	<10	<2
1081444	Soil	1.03	<0.1	0.05	1.10	6.8	0.5	<0.05	2.4	4.85	16.4	0.02	<1	0.4	10.6	<10	<2
1081445	Soil	1.22	<0.1	0.03	1.04	9.0	0.4	<0.05	2.1	5.86	19.8	0.02	<1	0.3	11.6	<10	<2



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Page: 5 of 7 Part 1

CERTIFICATE OF ANALYSIS

WHI11001388.1

	Method Analyte	Unit MDL	WGHT	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
			Wgt	-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd
			kg	g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm
			0.01	0	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
1081446	Soil			187.0	605.0	1.41	23.28	7.03	64.2	138	20.5	9.8	388	2.27	14.3	1.0	7.6	1.3	34.8	0.13
1081447	Soil			157.0	610.0	1.49	17.38	6.58	57.7	106	16.3	11.4	506	2.21	17.9	0.9	3.1	1.0	29.3	0.16
1081448	Soil			300.0	688.0	2.19	22.38	8.11	55.9	150	16.8	15.6	1047	2.60	22.5	1.1	10.6	1.1	34.4	0.17
1081449	Soil			405.0	899.0	1.62	17.56	8.42	60.0	124	19.0	13.0	605	2.54	9.1	0.9	3.6	1.1	29.6	0.12
1081450 GS-1	Rock Pulp				N.A.	0.59	20.19	8.67	50.1	36	24.0	10.5	409	2.66	4.5	1.4	0.6	7.4	84.3	0.06
1081451	Soil			159.0	676.0	1.78	16.49	7.22	54.0	125	16.3	12.1	714	2.53	13.0	0.7	4.7	1.0	29.6	0.11
1081452	Soil			263.0	683.0	1.44	24.63	7.77	58.7	130	21.8	10.2	308	2.68	10.0	0.9	9.4	1.8	32.8	0.13
1081453	Soil			236.0	652.0	1.22	17.15	6.74	62.8	118	21.9	12.9	515	2.62	7.8	0.8	8.9	2.1	35.0	0.10
1081454	Soil			290.0	683.0	1.19	19.41	8.73	75.3	109	23.4	13.0	531	2.58	7.4	0.9	8.2	2.0	38.7	0.19
1081455	Soil			397.0	655.0	1.37	19.77	7.76	61.2	115	20.9	12.4	598	2.48	8.0	0.8	6.3	1.2	39.8	0.18
1081456	Soil			259.0	1645	1.20	14.95	10.72	88.2	66	17.7	12.8	539	3.11	11.5	0.7	4.4	2.4	57.6	0.15
1081457	Soil			229.0	777.0	1.07	14.35	7.00	58.3	64	18.1	10.2	307	2.57	9.9	0.6	4.0	1.6	24.6	0.11
1081458	Soil			334.0	722.0	1.11	16.81	8.05	64.9	79	23.3	10.7	179	2.35	6.0	0.9	7.1	1.9	30.7	0.18
1081459	Soil			199.0	804.0	0.61	19.34	9.45	79.5	72	25.4	10.1	172	2.26	7.1	1.1	6.7	1.9	32.5	0.20
1081460	Soil			631.0	1430	1.18	19.64	6.30	64.7	62	22.3	12.4	353	3.04	5.5	0.7	6.9	2.9	40.0	0.11
1081461	Soil			284.0	1226	1.00	36.28	19.52	92.3	105	21.1	11.5	392	3.12	13.7	0.7	4.6	2.8	35.7	0.79
1081462	Soil			453.0	1695	0.32	36.58	20.80	96.9	137	20.0	10.2	252	2.90	13.2	0.7	23.4	4.0	34.2	0.69
1081463	Soil			363.0	1167	1.04	29.84	45.43	200.1	160	26.2	10.4	269	2.83	13.1	0.7	6.2	2.6	27.7	0.72
1081464	Soil			283.0	1605	0.77	38.00	44.33	344.7	266	18.3	9.1	512	2.60	99.6	1.1	31.1	4.1	35.2	2.85
1081465	Soil			552.0	1345	0.75	26.07	23.00	67.5	146	22.8	10.0	385	2.54	10.9	0.6	10.4	3.3	24.5	0.30
1081466	Soil			174.0	685.0	2.80	31.25	17.86	66.6	50	27.7	11.7	377	3.96	12.7	0.6	6.2	1.1	19.6	0.23
1081467	Soil			341.0	927.0	1.92	34.98	13.65	78.3	122	31.9	14.2	448	3.60	16.1	0.7	4.4	1.5	19.7	0.28
1081468	Soil			339.0	1231	1.24	45.40	13.16	60.4	235	28.6	14.7	452	2.84	14.8	0.8	32.5	2.7	27.7	0.24
1081469	Soil			147.0	1930	1.06	30.83	9.77	77.7	294	31.6	16.7	515	3.13	15.3	0.8	4.6	3.4	36.1	0.63
1081470 Agi Dagi A	Rock Pulp				N.A.	75.01	18.31	63.18	18.2	50	9.3	2.6	88	3.42	83.1	0.5	453.6	2.7	9.9	<0.01
1081471	Soil			277.0	1760	0.85	27.21	13.52	86.4	141	16.4	11.7	402	2.33	30.9	1.1	7.3	9.6	24.4	0.49
1081472	Soil			86.00	1605	0.67	38.43	10.35	73.4	173	29.8	15.1	687	3.12	8.3	1.0	3.5	3.9	39.2	0.48
1081473	Soil			389.0	1465	0.81	39.26	26.61	152.7	291	24.5	11.5	379	2.98	10.9	0.9	4.9	3.9	28.9	0.46
1081474	Soil			363.0	1372	0.64	33.56	10.37	82.0	145	23.9	10.3	230	2.77	7.8	1.1	4.1	4.2	32.7	0.32
1081475	Soil			119.0	1680	0.79	28.18	11.58	219.1	131	21.5	10.6	558	3.04	34.8	0.9	4.5	5.1	22.8	0.89



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Page: 5 of 7 Part 2

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te
		ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm
		2	0.01	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
1081446	Soil	56	0.67	0.063	10.0	29.9	0.56	110.8	0.049	1	1.46	0.019	0.05	0.3	3.0	0.09	0.05	41	0.6	0.04
1081447	Soil	51	0.55	0.063	7.6	26.4	0.45	93.7	0.048	2	1.26	0.018	0.04	0.2	2.4	0.06	0.05	49	0.4	0.03
1081448	Soil	58	0.62	0.069	9.8	29.1	0.45	109.0	0.046	2	1.31	0.016	0.04	0.1	2.6	0.08	0.06	56	0.5	0.05
1081449	Soil	59	0.53	0.066	9.2	32.2	0.52	106.3	0.053	2	1.49	0.018	0.04	0.2	2.8	0.09	0.05	41	0.5	0.04
1081450 GS-1	Rock Pulp	14	3.65	0.043	18.6	20.6	1.02	68.8	0.029	<1	1.19	0.022	0.22	0.1	1.8	0.10	0.03	11	0.1	0.03
1081451	Soil	57	0.41	0.060	7.0	30.3	0.47	85.1	0.052	1	1.30	0.017	0.04	0.2	2.4	0.08	0.04	41	0.4	0.05
1081452	Soil	63	0.58	0.057	12.7	35.2	0.62	121.8	0.061	1	1.80	0.016	0.06	0.2	3.5	0.10	0.05	28	0.4	0.07
1081453	Soil	61	0.56	0.062	10.5	35.9	0.66	115.6	0.081	1	1.78	0.020	0.07	0.2	3.6	0.12	0.05	41	0.4	0.09
1081454	Soil	60	0.61	0.068	11.4	37.0	0.63	129.1	0.075	2	1.83	0.020	0.08	0.2	3.7	0.11	0.05	47	0.4	0.06
1081455	Soil	57	0.69	0.070	10.6	32.9	0.49	115.8	0.062	2	1.59	0.020	0.06	0.1	3.0	0.09	0.06	64	0.2	0.05
1081456	Soil	68	0.69	0.075	10.0	28.1	0.66	162.0	0.069	1	1.83	0.023	0.09	0.2	3.8	0.10	0.02	33	0.2	0.04
1081457	Soil	61	0.39	0.041	7.2	29.7	0.53	105.9	0.072	2	1.62	0.017	0.04	0.1	2.6	0.07	0.03	35	0.4	0.03
1081458	Soil	62	0.51	0.054	10.6	36.0	0.67	124.4	0.083	1	1.93	0.018	0.06	0.1	3.8	0.10	0.04	44	0.3	0.04
1081459	Soil	55	0.53	0.058	11.5	39.7	0.73	154.4	0.075	1	2.10	0.021	0.06	0.1	4.3	0.10	0.06	42	0.4	<0.02
1081460	Soil	73	0.48	0.065	9.5	34.7	0.71	91.1	0.126	<1	1.98	0.026	0.13	0.2	4.0	0.12	<0.02	26	0.1	0.04
1081461	Soil	75	0.42	0.069	11.5	40.1	0.89	196.8	0.101	2	2.72	0.013	0.07	<0.1	5.7	0.17	<0.02	16	0.3	0.10
1081462	Soil	73	0.46	0.069	14.3	41.4	0.87	182.7	0.113	<1	2.67	0.012	0.06	<0.1	6.2	0.14	<0.02	17	0.2	0.05
1081463	Soil	66	0.33	0.071	10.1	39.3	0.64	136.4	0.089	1	2.58	0.008	0.04	0.1	3.7	0.10	<0.02	29	0.3	0.03
1081464	Soil	56	0.51	0.086	15.1	34.7	0.52	111.0	0.110	1	1.41	0.018	0.05	0.1	4.3	0.08	<0.02	22	0.3	0.02
1081465	Soil	63	0.32	0.054	10.0	38.5	0.63	113.8	0.084	<1	1.88	0.011	0.04	<0.1	4.3	0.06	<0.02	29	0.2	0.04
1081466	Soil	89	0.20	0.045	8.5	38.7	0.61	87.1	0.073	2	2.16	0.007	0.04	<0.1	2.7	0.08	0.05	55	0.6	0.04
1081467	Soil	84	0.22	0.035	8.7	42.5	0.71	103.3	0.073	1	2.34	0.008	0.04	0.1	3.0	0.08	0.04	47	0.5	0.06
1081468	Soil	72	0.41	0.060	10.6	35.6	0.60	115.3	0.083	2	1.76	0.020	0.04	0.2	3.5	0.05	0.04	67	0.4	0.05
1081469	Soil	79	0.55	0.064	12.7	61.2	1.07	212.9	0.066	<1	2.38	0.019	0.06	<0.1	11.4	0.07	<0.02	39	0.3	0.07
1081470 Agi Dagi A	Rock Pulp	32	0.03	0.020	6.5	14.9	0.11	49.3	0.009	<1	0.87	0.001	0.05	0.3	1.5	0.17	<0.02	38	7.5	3.57
1081471	Soil	49	0.34	0.052	25.7	28.3	0.47	122.9	0.050	<1	1.34	0.010	0.05	<0.1	4.1	0.09	<0.02	12	0.3	0.05
1081472	Soil	76	0.56	0.076	15.5	49.0	0.71	188.6	0.133	1	2.33	0.020	0.06	0.1	7.8	0.07	<0.02	40	0.3	0.03
1081473	Soil	70	0.38	0.065	14.0	43.1	0.75	134.8	0.091	1	2.40	0.009	0.05	0.1	5.1	0.09	<0.02	42	0.4	0.03
1081474	Soil	67	0.40	0.061	17.4	43.4	0.66	151.1	0.091	1	2.18	0.011	0.05	<0.1	5.4	0.08	<0.02	40	0.5	0.06
1081475	Soil	65	0.35	0.050	15.2	32.0	0.56	147.2	0.045	<1	1.66	0.011	0.06	<0.1	6.3	0.09	<0.02	62	0.4	0.02



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Report Date: November 10, 2011

Page: 5 of 7 Part 3

CERTIFICATE OF ANALYSIS

WHI11001388.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1081446	Soil	1.38	<0.1	0.02	1.06	8.5	0.5	<0.05	2.2	5.60	19.1	0.03	<1	0.3	11.4	<10	<2
1081447	Soil	0.95	<0.1	0.02	0.84	7.0	0.5	<0.05	1.6	4.29	14.3	<0.02	<1	0.3	9.5	<10	<2
1081448	Soil	0.92	<0.1	0.03	0.95	7.6	0.6	<0.05	1.7	5.19	18.9	<0.02	<1	0.3	9.6	<10	<2
1081449	Soil	1.13	<0.1	0.03	0.99	8.1	0.6	<0.05	1.8	4.72	18.0	0.03	<1	0.3	10.9	<10	<2
1081450 GS-1	Rock Pulp	0.94	<0.1	0.02	0.55	15.1	0.7	<0.05	1.0	7.14	35.3	<0.02	<1	0.4	28.7	<10	<2
1081451	Soil	1.01	<0.1	<0.02	0.81	7.6	0.6	<0.05	1.4	3.30	13.3	<0.02	<1	<0.1	9.3	<10	<2
1081452	Soil	1.38	<0.1	0.04	1.34	9.9	0.7	<0.05	2.8	6.81	24.4	<0.02	<1	0.3	11.8	<10	<2
1081453	Soil	1.29	<0.1	0.03	1.51	12.6	0.7	<0.05	2.5	5.12	20.0	<0.02	<1	0.3	11.5	<10	<2
1081454	Soil	1.35	<0.1	0.05	1.39	12.0	0.6	<0.05	2.6	6.13	21.9	0.02	<1	0.4	12.3	<10	<2
1081455	Soil	1.22	<0.1	0.03	1.19	9.1	0.6	<0.05	2.1	6.00	21.7	<0.02	<1	0.3	11.1	<10	<2
1081456	Soil	2.55	<0.1	0.05	0.89	9.0	1.7	<0.05	2.5	5.58	20.0	0.02	<1	0.5	12.2	<10	<2
1081457	Soil	0.98	<0.1	0.04	1.17	7.2	0.4	<0.05	2.7	3.28	14.0	<0.02	1	0.4	12.1	<10	<2
1081458	Soil	1.15	<0.1	0.06	1.45	11.3	0.6	<0.05	3.1	5.76	20.4	0.03	<1	0.2	13.4	<10	<2
1081459	Soil	1.15	<0.1	0.07	1.42	10.8	0.6	<0.05	3.7	7.38	22.1	<0.02	<1	0.3	14.9	<10	<2
1081460	Soil	1.19	<0.1	0.12	1.05	14.8	0.6	<0.05	6.3	5.32	18.9	0.03	<1	0.4	11.8	<10	<2
1081461	Soil	4.17	<0.1	0.04	0.89	10.1	1.0	<0.05	3.3	8.78	24.1	0.02	<1	0.5	15.0	<10	<2
1081462	Soil	4.06	<0.1	0.08	0.66	7.7	1.0	<0.05	6.2	10.68	29.4	0.03	2	0.5	13.9	<10	<2
1081463	Soil	1.70	<0.1	0.04	0.95	6.7	0.6	<0.05	2.8	5.53	20.1	0.05	<1	0.4	14.5	<10	<2
1081464	Soil	1.86	<0.1	0.10	0.58	5.7	1.1	<0.05	4.1	10.93	26.8	0.10	1	0.4	9.3	<10	<2
1081465	Soil	2.46	<0.1	0.06	0.80	5.3	0.5	<0.05	3.7	5.44	22.3	0.02	<1	0.7	10.5	<10	<2
1081466	Soil	1.40	<0.1	0.05	1.33	6.1	0.8	<0.05	2.1	3.77	18.4	0.03	<1	0.5	15.3	<10	<2
1081467	Soil	1.72	<0.1	0.04	1.13	6.8	0.6	<0.05	2.0	4.13	24.2	0.03	<1	0.6	12.9	<10	<2
1081468	Soil	2.07	<0.1	0.05	0.93	4.8	0.7	<0.05	2.6	5.45	30.0	0.04	<1	0.5	10.4	<10	<2
1081469	Soil	8.17	<0.1	0.12	0.34	7.7	1.0	<0.05	5.2	10.78	28.0	0.05	<1	0.5	17.8	<10	<2
1081470 Agi Dagi A	Rock Pulp	0.77	<0.1	<0.02	0.39	7.7	2.7	<0.05	0.7	1.39	14.8	0.06	4	0.4	4.9	<10	5
1081471	Soil	3.26	<0.1	0.03	0.39	6.4	0.4	<0.05	2.8	10.74	49.4	0.04	<1	0.7	7.8	<10	<2
1081472	Soil	1.09	<0.1	0.11	0.63	7.2	1.6	<0.05	7.4	11.97	29.4	0.04	<1	0.6	12.2	<10	<2
1081473	Soil	1.38	<0.1	0.06	0.88	5.9	0.7	<0.05	3.2	9.30	29.3	0.04	<1	0.5	13.3	<10	<2
1081474	Soil	1.23	<0.1	0.05	0.92	6.4	0.8	<0.05	2.8	10.29	34.2	0.03	<1	0.5	11.8	<10	<2
1081475	Soil	2.13	<0.1	0.04	0.56	6.2	0.8	<0.05	2.1	10.94	29.1	0.08	<1	0.7	10.9	<10	<2



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Page: 6 of 7 Part 1

CERTIFICATE OF ANALYSIS

WHI11001388.1

	Method	WGHT	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
	Analyte	Wgt	-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
	Unit	kg	g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0	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
1081476	Soil		170.0	1605	0.64	45.15	10.03	80.8	179	40.4	11.0	284	3.27	27.0	0.9	13.0	6.0	32.5	0.38	1.59	0.33
1081477	Soil		121.0	1515	3.41	60.31	10.35	108.2	414	281.4	22.8	1191	4.25	112.0	0.9	9.5	4.6	27.9	1.07	17.65	1.43
1081478	Soil		297.0	1610	1.63	46.57	10.11	73.9	196	29.3	18.3	962	3.76	54.0	2.2	6.1	6.6	34.7	0.40	4.63	1.05
1081479	Soil		104.0	1385	1.34	37.53	7.24	73.4	85	39.3	15.8	519	3.43	17.0	1.0	11.9	1.5	22.1	0.40	0.94	0.40
1081480	Soil		166.0	1234	1.57	39.42	8.52	70.3	147	39.1	16.5	517	3.64	14.7	0.8	5.1	1.5	16.9	0.19	0.84	0.41
1081481	Soil		206.0	985.0	2.76	35.77	11.70	61.1	178	25.8	9.7	274	3.89	18.5	0.8	2.8	1.1	14.1	0.22	1.05	0.41
1081482	Soil		258.0	913.0	2.83	70.42	9.94	71.7	622	37.5	14.5	519	3.89	31.3	1.9	8.2	2.0	18.0	0.31	1.61	0.75
1081483	Soil		158.0	1410	2.33	40.63	8.33	72.8	206	34.7	16.7	588	3.55	23.1	1.0	4.8	2.4	16.4	0.55	1.14	0.60
1081484	Soil		351.0	1616	1.68	30.20	11.13	66.6	118	49.7	23.4	1251	4.37	39.1	1.1	33.2	8.1	23.8	0.33	5.05	1.36
1081485	Soil		226.0	1137	2.32	34.89	10.02	58.6	86	27.1	11.7	305	3.70	16.8	0.6	4.4	1.2	16.8	0.14	1.06	0.34
1081486	Soil		257.0	1144	0.98	62.47	8.81	63.2	72	51.2	20.7	511	3.51	40.0	0.6	5.6	2.5	21.9	0.28	1.11	0.97
1081487	Soil		263.0	1665	1.95	137.3	35.40	235.6	1699	39.8	34.1	1277	3.74	278.6	1.9	24.3	2.0	32.7	3.84	3.86	3.75
1081488	Soil		412.0	1255	1.16	64.58	8.47	56.6	32	34.1	14.0	367	3.38	19.2	0.8	7.4	2.9	29.5	0.19	0.67	0.29
1081489	Soil		63.00	1343	0.69	35.90	7.00	54.6	19	42.6	17.2	491	3.27	12.1	0.6	1.8	2.9	21.2	0.23	0.96	0.26
1081490 Agi Dagi B	Rock Pulp			N.A.	2.74	9.05	27.68	17.5	16	11.0	3.5	90	3.65	59.8	0.8	82.5	4.8	33.2	0.02	0.93	1.79
1081491	Soil		244.0	657.0	2.08	36.73	7.37	65.1	168	26.0	13.2	479	3.14	8.5	2.4	6.4	2.5	42.5	0.15	0.56	0.15
1081492	Soil		369.0	830.0	1.98	37.10	7.47	68.6	145	27.4	15.9	521	3.47	9.7	2.3	3.0	2.8	34.0	0.10	0.56	0.15
1081493 GS-1	Rock Pulp			N.A.	0.72	22.29	9.37	53.2	31	27.6	12.5	441	2.85	4.1	1.6	0.6	8.5	85.6	0.06	0.19	0.22
1081494	Soil		180.0	1211	1.15	28.92	6.45	67.4	115	24.6	13.0	409	3.23	7.3	2.0	3.4	3.0	29.0	0.08	0.41	0.13
1081495	Soil		325.0	916.0	1.13	21.58	6.90	76.8	83	24.0	13.1	395	3.08	6.6	2.2	5.5	2.3	38.3	0.10	0.45	0.12
1081496	Soil		113.0	561.0	0.98	25.90	7.80	86.2	146	24.3	13.7	510	3.04	6.3	2.2	6.3	2.5	49.3	0.33	0.58	0.14
1081497	Soil		146.0	569.0	1.47	31.47	7.28	71.0	160	24.6	14.6	551	2.97	9.2	2.1	7.0	1.5	41.5	0.11	0.55	0.15
1081498	Soil		240.0	592.0	1.20	31.45	6.34	69.4	124	24.9	13.0	464	2.89	9.1	1.5	3.8	1.4	50.5	0.18	0.51	0.14
1081499	Soil		327.0	666.0	1.23	32.62	6.46	62.2	126	25.0	13.0	453	2.86	8.7	1.1	3.1	0.9	52.8	0.07	0.52	0.16
1081551	Soil		363.0	2090	0.50	25.30	21.89	77.2	239	25.5	10.9	277	2.68	34.6	2.3	6.5	9.3	34.6	0.52	0.89	0.21
1081552	Soil		168.0	1266	1.00	19.94	9.27	48.9	66	22.3	9.6	214	3.18	10.1	2.4	3.4	5.9	36.1	0.08	0.67	0.16
1081553	Soil		53.00	1448	1.16	28.11	7.63	68.8	96	30.3	12.8	640	3.67	12.6	6.3	4.3	12.1	41.7	0.13	0.58	0.14
1081554	Soil		272.0	638.0	2.41	23.54	7.46	56.7	68	20.7	14.6	978	3.22	9.0	1.9	1.9	0.9	29.0	0.09	0.71	0.15
1081555	Soil		201.0	1946	0.61	23.40	9.11	58.8	121	23.5	10.8	401	3.12	14.5	5.5	4.9	15.7	53.2	0.15	0.59	0.13
1081556	Soil		164.0	1386	0.66	22.19	6.73	59.5	52	24.6	11.9	548	3.30	22.1	1.8	2.8	8.7	37.6	0.12	0.55	0.09



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Report Date: November 10, 2011

Page: 6 of 7 Part 2

CERTIFICATE OF ANALYSIS

WHI11001388.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te
		ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm
		2	0.01	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
1081476	Soil	72	0.50	0.084	23.7	63.7	0.85	207.3	0.105	1	2.35	0.018	0.11	<0.1	7.2	0.16	<0.02	30	0.5	0.07
1081477	Soil	91	0.52	0.102	17.1	184.5	1.11	178.2	0.068	<1	1.97	0.014	0.07	0.1	7.2	0.22	<0.02	33	0.5	0.52
1081478	Soil	74	0.58	0.140	24.0	35.6	0.80	285.1	0.047	<1	1.79	0.007	0.07	0.1	5.3	0.10	<0.02	11	0.7	0.13
1081479	Soil	86	0.31	0.095	13.0	52.9	0.79	133.3	0.080	1	2.16	0.009	0.08	0.1	3.7	0.08	0.04	38	0.7	0.12
1081480	Soil	79	0.20	0.051	11.0	47.6	0.79	105.8	0.095	2	2.32	0.009	0.06	<0.1	3.7	0.09	0.04	38	0.4	0.06
1081481	Soil	102	0.15	0.037	10.1	44.8	0.59	60.7	0.110	2	1.77	0.005	0.06	0.1	3.0	0.08	0.03	44	0.6	0.09
1081482	Soil	80	0.21	0.072	13.4	47.9	0.71	99.5	0.070	2	2.86	0.007	0.06	0.1	4.5	0.11	0.04	63	1.1	0.07
1081483	Soil	81	0.23	0.067	11.9	45.1	0.73	109.8	0.095	1	2.26	0.008	0.07	0.1	4.2	0.09	0.03	40	0.5	0.07
1081484	Soil	98	0.55	0.166	31.0	41.4	0.78	166.0	0.050	<1	2.31	0.005	0.06	0.2	5.2	0.11	<0.02	27	0.6	0.23
1081485	Soil	90	0.20	0.045	8.8	40.5	0.61	77.9	0.087	<1	2.03	0.007	0.05	0.1	3.1	0.09	0.04	48	0.5	0.09
1081486	Soil	90	0.31	0.044	9.7	52.9	0.88	136.0	0.127	2	2.80	0.013	0.08	0.1	4.7	0.09	0.03	29	0.4	0.08
1081487	Soil	79	0.44	0.092	24.7	52.6	0.78	204.5	0.062	1	2.22	0.012	0.07	0.1	6.0	0.14	0.05	68	0.7	0.12
1081488	Soil	87	0.31	0.040	8.9	48.8	0.75	131.7	0.121	<1	2.38	0.012	0.07	<0.1	4.5	0.07	<0.02	26	0.4	0.04
1081489	Soil	73	0.25	0.031	10.4	48.0	0.82	144.1	0.107	1	2.64	0.009	0.08	0.1	4.4	0.07	<0.02	18	0.4	0.06
1081490 Agi Dagi B	Rock Pulp	60	0.04	0.020	9.1	21.9	0.13	70.6	0.024	1	1.07	0.002	0.07	<0.1	2.2	0.10	0.03	32	2.4	0.49
1081491	Soil	81	0.76	0.073	14.2	35.0	0.77	275.5	0.122	1	2.06	0.028	0.08	0.3	3.9	0.11	0.07	42	0.5	0.02
1081492	Soil	87	0.55	0.069	14.1	40.0	0.82	238.7	0.120	1	2.26	0.024	0.07	0.3	3.9	0.13	0.07	30	0.5	0.06
1081493 GS-1	Rock Pulp	15	3.66	0.041	22.8	22.9	1.13	69.7	0.036	1	1.31	0.021	0.22	<0.1	2.3	0.10	0.06	11	0.4	0.05
1081494	Soil	85	0.45	0.057	11.6	36.7	0.80	208.1	0.151	1	2.11	0.022	0.08	0.2	3.9	0.13	0.04	28	0.5	<0.02
1081495	Soil	84	0.56	0.061	11.9	37.4	0.78	257.1	0.141	1	2.34	0.024	0.07	0.2	4.7	0.10	0.04	26	0.4	<0.02
1081496	Soil	79	0.93	0.077	12.2	42.6	0.80	293.8	0.134	2	2.32	0.024	0.07	0.1	5.1	0.12	0.08	53	0.7	0.05
1081497	Soil	68	0.69	0.080	13.0	34.5	0.71	162.1	0.069	2	1.95	0.026	0.06	0.1	3.5	0.09	0.08	38	0.5	0.03
1081498	Soil	75	0.84	0.070	10.7	34.1	0.76	153.0	0.084	1	2.05	0.032	0.07	<0.1	3.7	0.09	0.07	32	0.4	0.02
1081499	Soil	70	0.82	0.076	13.0	33.5	0.72	164.9	0.072	2	2.22	0.037	0.05	0.2	3.6	0.08	0.07	48	0.7	0.03
1081551	Soil	76	0.43	0.069	18.4	40.1	0.79	163.7	0.130	2	2.62	0.019	0.08	0.2	4.7	0.20	<0.02	24	0.1	0.04
1081552	Soil	78	0.44	0.089	16.4	42.2	0.77	210.3	0.088	3	2.57	0.019	0.07	0.1	4.1	0.25	0.05	32	0.2	<0.02
1081553	Soil	92	0.61	0.081	19.0	48.2	0.81	269.7	0.146	2	2.74	0.019	0.11	0.2	6.1	0.25	0.03	28	0.3	0.03
1081554	Soil	74	0.40	0.085	13.4	36.0	0.60	107.8	0.053	2	1.86	0.022	0.05	0.1	2.8	0.15	0.08	42	0.3	0.04
1081555	Soil	90	0.75	0.081	27.3	42.7	0.83	339.2	0.186	2	2.81	0.035	0.18	0.1	6.6	0.31	<0.02	36	0.2	0.03
1081556	Soil	82	0.55	0.048	12.5	37.8	0.81	218.8	0.144	2	2.36	0.020	0.11	0.2	4.5	0.22	<0.02	23	<0.1	<0.02



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Project: 210800
Report Date: November 10, 2011

Page: 6 of 7 Part 3

CERTIFICATE OF ANALYSIS

WHI11001388.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1081476	Soil	5.82	<0.1	0.07	0.59	12.2	0.6	<0.05	4.1	11.85	43.2	0.04	<1	0.6	14.4	<10	<2
1081477	Soil	5.98	<0.1	0.08	0.22	7.2	0.5	<0.05	6.2	12.91	36.2	0.08	<1	1.0	13.0	<10	<2
1081478	Soil	6.45	0.1	0.06	0.15	5.2	0.6	<0.05	4.2	12.58	47.8	0.06	<1	0.4	10.9	<10	<2
1081479	Soil	1.53	<0.1	0.04	0.96	7.6	0.5	<0.05	1.9	6.65	26.3	0.03	<1	0.6	13.9	<10	<2
1081480	Soil	1.66	<0.1	0.03	1.15	7.7	0.6	<0.05	2.0	5.12	26.8	0.03	<1	0.7	16.8	<10	<2
1081481	Soil	1.64	<0.1	0.04	1.43	7.5	0.8	<0.05	2.0	4.10	20.1	0.02	<1	0.3	11.5	<10	<2
1081482	Soil	2.07	<0.1	0.04	1.30	7.2	0.5	<0.05	3.0	7.36	28.2	0.04	<1	0.6	14.9	<10	<2
1081483	Soil	1.84	<0.1	0.04	1.12	8.2	0.6	<0.05	3.3	6.53	27.2	0.03	<1	0.5	13.6	<10	<2
1081484	Soil	4.34	<0.1	0.04	1.62	6.4	0.8	<0.05	2.7	12.91	81.3	0.11	<1	1.0	14.2	<10	<2
1081485	Soil	1.43	<0.1	0.04	1.42	7.5	0.7	<0.05	2.2	3.94	18.1	0.04	<1	0.6	16.0	<10	<2
1081486	Soil	2.18	<0.1	0.07	1.47	8.8	0.7	<0.05	4.6	5.90	34.9	0.04	<1	0.5	15.5	<10	<2
1081487	Soil	3.06	<0.1	0.05	1.04	14.3	0.6	<0.05	1.8	16.42	50.7	0.10	<1	0.9	13.8	<10	3
1081488	Soil	1.77	<0.1	0.05	1.17	9.1	0.6	<0.05	3.5	5.21	19.8	0.02	<1	0.3	14.2	<10	<2
1081489	Soil	1.32	<0.1	0.09	1.19	8.7	0.8	<0.05	4.8	4.39	30.4	0.03	<1	0.5	15.5	<10	<2
1081490 Agi Dagi B	Rock Pulp	0.85	<0.1	0.12	0.51	9.9	0.6	<0.05	7.9	2.64	17.9	<0.02	<1	0.3	6.1	<10	<2
1081491	Soil	1.75	<0.1	0.05	1.71	14.2	0.5	<0.05	3.4	10.14	26.2	0.02	<1	0.5	14.5	<10	<2
1081492	Soil	1.69	<0.1	0.06	1.56	14.3	0.6	<0.05	3.2	7.45	25.2	<0.02	<1	0.4	14.3	<10	<2
1081493 GS-1	Rock Pulp	1.04	<0.1	<0.02	0.71	15.3	0.6	<0.05	1.0	8.03	43.4	<0.02	1	0.4	29.3	<10	<2
1081494	Soil	1.44	<0.1	0.06	1.39	14.8	0.7	<0.05	3.0	5.98	22.8	0.03	<1	0.5	13.1	<10	2
1081495	Soil	1.13	<0.1	0.05	1.24	14.7	0.6	<0.05	2.8	7.23	23.5	0.03	<1	0.5	14.7	<10	<2
1081496	Soil	1.19	<0.1	0.06	1.65	17.2	0.5	<0.05	4.3	8.45	22.5	0.02	<1	0.3	15.1	<10	<2
1081497	Soil	1.10	<0.1	0.03	1.04	11.8	0.5	<0.05	2.1	9.12	24.2	0.02	<1	0.7	12.8	<10	<2
1081498	Soil	1.12	<0.1	0.04	1.10	11.3	0.5	<0.05	2.3	7.14	19.9	<0.02	<1	0.3	12.7	<10	<2
1081499	Soil	1.13	<0.1	0.04	1.00	7.2	0.4	<0.05	2.0	8.56	24.5	0.03	<1	0.5	12.9	<10	<2
1081551	Soil	3.53	<0.1	0.07	1.03	14.2	0.7	<0.05	4.1	8.45	37.0	0.04	<1	0.6	19.0	<10	<2
1081552	Soil	2.96	<0.1	0.03	1.66	13.3	0.7	<0.05	2.3	6.75	31.6	0.03	<1	0.7	20.1	<10	<2
1081553	Soil	3.26	<0.1	0.07	1.60	23.7	0.8	<0.05	4.1	9.01	32.2	0.03	<1	0.6	30.6	<10	<2
1081554	Soil	1.20	<0.1	<0.02	0.80	10.5	0.5	<0.05	1.3	6.70	24.2	0.03	<1	0.4	10.7	<10	<2
1081555	Soil	4.40	<0.1	0.13	1.91	31.4	1.2	<0.05	6.6	10.55	44.1	0.03	<1	0.7	27.2	<10	<2
1081556	Soil	4.84	<0.1	0.10	1.36	17.9	0.9	<0.05	4.0	6.03	29.5	0.03	<1	0.8	19.9	<10	<2



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Page: 7 of 7 Part 1

CERTIFICATE OF ANALYSIS

WHI11001388.1

	Method Analyte	Unit MDL	WGHT	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
			Wgt	-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd
			kg	g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm
			0.01	0	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
1081557	Soil			111.0	1906	0.77	28.87	8.57	59.1	95	27.1	10.7	367	3.69	10.0	5.4	4.7	13.3	61.4	0.13
1081558	Soil			88.00	1178	2.18	23.53	8.63	68.3	73	23.9	14.7	834	3.57	12.6	1.0	2.3	1.7	43.2	0.12
1081559	Soil			159.0	648.0	4.14	25.50	8.63	65.4	45	24.2	12.9	689	3.88	12.3	1.1	1.9	0.9	28.7	0.13
1081560	Soil			290.0	714.0	2.45	38.28	7.14	66.5	139	24.6	12.7	345	3.31	10.6	2.4	7.1	3.1	46.1	0.13
1081561	Soil			299.0	790.0	2.54	29.79	7.79	55.3	91	22.1	8.6	232	3.12	11.3	1.0	22.1	1.2	22.8	0.25
1081562	Soil			278.0	664.0	1.63	25.69	6.75	73.2	81	20.2	9.3	393	2.50	9.9	0.8	1.9	0.6	36.1	0.32
1081563	Soil			149.0	1144	1.21	37.57	7.58	58.7	86	26.4	12.0	415	2.84	6.9	1.0	441.9	2.3	44.5	0.20
1081564	Soil			154.0	508.0	1.48	39.68	5.84	60.7	154	27.9	13.3	477	2.86	8.6	1.3	11.5	1.5	62.1	0.21
1081565	Soil			251.0	742.0	1.61	46.56	6.24	69.2	166	32.4	14.9	477	3.14	9.6	1.4	9.6	1.5	58.2	0.12
1081566	Soil			134.0	758.0	1.53	50.36	6.15	54.3	102	29.3	14.7	366	2.88	7.9	0.8	13.1	1.0	46.8	0.16
1081567	Soil			430.0	920.0	1.51	41.69	6.28	64.7	97	29.4	14.5	445	3.25	9.0	1.3	12.9	2.0	51.5	0.11
1081568	Soil			400.0	1180	1.11	34.65	5.80	59.9	94	24.5	13.6	425	3.21	7.0	1.2	6.5	2.7	54.9	0.09
1081569	Soil			465.0	790.0	1.40	37.92	6.83	65.0	119	25.4	10.9	217	2.74	8.0	1.2	7.7	1.4	49.2	0.09
1081570 Agi Dagi A	Rock Pulp				N.A.	74.96	17.53	75.53	20.4	51	10.1	2.6	90	3.54	89.6	0.5	458.1	3.1	13.9	0.04
1081571	Soil			290.0	690.0	1.28	30.05	6.92	53.1	127	24.8	8.5	263	2.87	9.3	0.8	5.3	1.2	29.8	0.19
1081572	Soil			410.0	690.0	0.93	16.61	4.96	56.8	51	12.6	5.6	132	1.96	6.0	0.5	5.0	0.7	17.3	0.32
1081573	Soil			360.0	805.0	0.76	13.33	4.42	54.5	41	11.5	6.3	165	1.70	4.5	0.4	7.4	0.6	18.8	0.17
1081574	Soil			185.0	490.0	1.17	32.58	8.47	50.3	92	20.1	9.2	252	2.41	7.4	0.9	4.1	0.7	32.6	0.21
1081575	Soil			375.0	760.0	1.20	30.53	6.32	61.9	78	24.1	15.2	511	3.32	8.7	1.3	16.7	2.5	43.0	0.13
1081576	Soil			375.0	695.0	1.30	34.12	6.13	53.2	108	21.3	12.1	377	3.00	8.0	1.4	5.3	2.4	45.4	0.11
1081577	Soil			400.0	705.0	1.13	34.01	8.38	52.3	150	27.5	11.4	343	2.93	7.6	0.8	1.9	1.1	24.8	0.44
1082500	Soil			130.0	440.0	1.26	31.00	6.36	67.0	105	24.6	12.7	621	2.47	7.6	0.9	2.6	0.8	55.5	0.24
1082501	Soil			405.0	330.0	1.17	28.22	7.12	66.1	96	24.5	12.4	401	2.70	7.4	0.9	7.1	1.5	57.8	0.10
1082502	Soil			295.0	780.0	1.04	25.88	7.40	65.1	83	23.2	10.8	309	2.38	6.2	0.8	2.2	1.1	52.0	0.15
1082503	Soil			455.0	715.0	1.41	31.31	6.74	72.7	99	26.1	14.6	491	2.92	7.8	1.0	3.4	1.6	52.8	0.11
1082504	Soil			390.0	1105	1.14	34.78	5.93	65.3	116	24.1	13.3	508	2.94	7.8	1.9	2.4	3.4	42.8	0.13
1082505	Soil			410.0	1255	1.08	34.15	6.48	73.2	109	29.7	13.9	519	2.92	7.1	1.6	4.3	3.3	43.6	0.16
1082506	Soil			140.0	1344	1.17	27.78	7.60	61.3	73	23.2	13.4	492	3.08	7.3	1.4	3.4	4.1	40.1	0.18
1082507	Soil			355.0	845.0	1.56	39.20	7.84	64.9	138	28.9	15.0	646	3.09	8.3	4.0	3.0	3.5	48.9	0.15
1082508	Soil			165.0	515.0	1.82	28.96	6.98	48.3	98	21.9	10.6	375	2.55	8.2	1.1	4.1	1.0	36.7	0.20



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Report Date:

November 10, 2011

Page:

7 of 7

Part 2

CERTIFICATE OF ANALYSIS

WHI11001388.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te
		ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm
		2	0.01	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
1081557	Soil	89	0.76	0.078	23.4	47.5	0.83	311.0	0.171	2	3.04	0.038	0.19	0.7	7.7	0.32	<0.02	34	0.2	<0.02
1081558	Soil	83	0.53	0.087	9.2	37.7	0.63	168.9	0.064	2	1.83	0.027	0.05	0.1	2.9	0.13	0.07	30	0.2	0.04
1081559	Soil	91	0.33	0.065	9.3	41.7	0.74	124.7	0.068	2	2.07	0.019	0.04	<0.1	2.7	0.13	0.06	29	0.2	0.03
1081560	Soil	93	0.81	0.083	12.7	38.2	0.77	244.9	0.130	2	2.21	0.038	0.11	0.4	4.2	0.16	0.06	51	0.3	0.02
1081561	Soil	84	0.32	0.043	8.7	31.7	0.46	79.1	0.089	2	1.60	0.024	0.06	0.1	2.3	0.10	0.03	19	0.2	0.04
1081562	Soil	55	0.71	0.076	9.0	27.5	0.45	109.8	0.057	2	1.46	0.037	0.06	0.2	2.0	0.09	0.06	33	0.2	0.03
1081563	Soil	87	0.76	0.068	8.6	36.8	0.74	229.4	0.145	2	1.81	0.037	0.10	0.6	3.3	0.11	0.04	32	0.2	0.07
1081564	Soil	81	1.20	0.082	12.5	37.8	0.73	268.8	0.100	3	2.08	0.043	0.07	0.2	3.7	0.12	0.08	39	0.4	0.02
1081565	Soil	95	0.90	0.085	12.5	41.9	0.79	259.6	0.112	2	2.26	0.044	0.06	0.2	4.3	0.12	0.06	28	0.4	0.04
1081566	Soil	78	0.70	0.066	8.8	36.8	0.65	144.5	0.098	2	1.88	0.039	0.06	0.1	3.0	0.08	0.06	25	0.3	0.05
1081567	Soil	90	0.81	0.076	10.9	40.4	0.87	280.9	0.134	2	2.23	0.046	0.10	0.2	4.2	0.12	0.05	33	0.3	0.02
1081568	Soil	95	0.85	0.068	9.7	38.2	0.92	324.3	0.189	2	2.25	0.049	0.14	0.4	4.0	0.14	0.04	20	0.3	<0.02
1081569	Soil	85	0.74	0.084	12.2	39.0	0.77	294.4	0.106	2	2.37	0.044	0.06	0.1	4.1	0.13	0.07	45	0.3	0.03
1081570 Agi Dag A	Rock Pulp	35	0.03	0.023	8.0	16.3	0.13	57.7	0.011	1	1.14	<0.001	0.06	0.3	1.7	0.20	<0.02	34	7.8	3.48
1081571	Soil	67	0.54	0.053	8.2	32.1	0.45	141.1	0.069	1	1.66	0.030	0.04	0.1	2.6	0.09	0.05	29	0.3	0.05
1081572	Soil	46	0.19	0.029	5.9	18.9	0.26	72.4	0.059	1	1.09	0.033	0.03	0.1	1.7	0.09	0.03	20	0.1	0.03
1081573	Soil	39	0.26	0.029	5.3	16.9	0.25	66.2	0.052	<1	0.95	0.037	0.03	0.1	1.4	0.06	0.03	29	<0.1	<0.02
1081574	Soil	59	0.43	0.071	9.0	28.3	0.43	153.0	0.057	1	1.52	0.031	0.05	0.1	2.5	0.10	0.08	28	0.3	0.03
1081575	Soil	98	0.75	0.061	10.5	34.0	0.73	234.8	0.135	2	2.19	0.047	0.05	0.1	3.5	0.15	0.04	30	0.3	<0.02
1081576	Soil	90	0.85	0.065	10.0	30.0	0.71	269.1	0.110	2	1.89	0.035	0.08	0.1	3.3	0.13	0.06	31	0.3	0.05
1081577	Soil	72	0.38	0.044	9.1	32.9	0.49	110.1	0.075	1	1.71	0.030	0.04	0.1	2.5	0.10	0.03	16	0.2	0.04
1082500	Soil	59	0.96	0.093	13.6	32.2	0.60	163.9	0.053	2	1.84	0.036	0.05	0.2	3.1	0.10	0.10	42	0.4	0.02
1082501	Soil	75	0.82	0.081	10.5	37.2	0.74	181.0	0.091	2	2.29	0.047	0.06	0.2	3.6	0.11	0.06	42	0.2	<0.02
1082502	Soil	69	0.82	0.080	10.2	34.8	0.70	159.9	0.080	2	2.02	0.044	0.06	0.2	3.3	0.10	0.07	39	0.2	0.03
1082503	Soil	79	0.77	0.086	12.5	38.6	0.75	189.3	0.092	2	2.38	0.047	0.06	0.2	4.0	0.11	0.06	39	0.3	0.02
1082504	Soil	86	0.96	0.088	12.2	35.9	0.78	263.1	0.126	2	1.98	0.036	0.14	0.2	3.9	0.17	0.05	35	0.3	<0.02
1082505	Soil	78	1.12	0.084	13.2	40.2	0.85	208.8	0.128	3	1.98	0.041	0.10	0.1	4.7	0.14	0.05	28	0.3	0.03
1082506	Soil	86	0.80	0.076	10.9	34.0	0.73	233.5	0.162	2	1.86	0.035	0.12	0.3	3.4	0.14	0.03	16	0.1	<0.02
1082507	Soil	80	0.97	0.086	17.5	39.8	0.74	273.3	0.114	2	2.03	0.037	0.08	0.1	4.6	0.15	0.07	34	0.3	0.03
1082508	Soil	58	0.75	0.067	9.8	31.1	0.47	113.5	0.063	2	1.38	0.034	0.05	0.2	2.5	0.09	0.07	41	0.3	0.02



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Project: 210800
Report Date: November 10, 2011

Page: 7 of 7 **Part** 3

CERTIFICATE OF ANALYSIS

WHI11001388.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1081557	Soil	4.14	<0.1	0.12	1.36	32.6	1.5	<0.05	7.3	12.44	39.5	0.04	<1	0.6	26.6	<10	<2
1081558	Soil	2.14	<0.1	0.04	1.10	12.8	0.6	<0.05	1.5	4.44	18.8	0.03	<1	0.6	15.1	<10	<2
1081559	Soil	1.71	<0.1	0.03	1.03	8.4	0.7	<0.05	1.3	4.72	17.9	0.03	<1	0.4	14.0	<10	<2
1081560	Soil	2.10	<0.1	0.07	1.92	15.1	0.6	<0.05	3.8	8.28	24.4	0.02	<1	0.5	16.7	<10	<2
1081561	Soil	1.19	<0.1	0.05	1.69	7.7	0.7	<0.05	2.4	3.93	17.6	0.02	<1	0.2	14.8	<10	<2
1081562	Soil	1.02	<0.1	0.04	1.18	9.7	0.5	<0.05	1.8	5.13	18.8	0.02	<1	0.4	10.6	<10	<2
1081563	Soil	1.76	<0.1	0.07	1.74	11.4	0.4	<0.05	2.9	5.12	17.6	<0.02	<1	0.3	13.4	<10	<2
1081564	Soil	1.50	<0.1	0.06	1.84	11.1	0.5	<0.05	3.2	8.60	22.8	0.03	<1	0.4	13.2	<10	<2
1081565	Soil	1.64	<0.1	0.04	1.60	9.6	0.6	<0.05	3.0	8.39	24.1	0.02	<1	0.5	15.1	<10	<2
1081566	Soil	1.65	<0.1	0.04	1.67	7.7	0.4	<0.05	2.6	5.00	17.6	<0.02	<1	0.3	14.2	<10	<2
1081567	Soil	1.58	<0.1	0.06	1.63	13.6	0.5	<0.05	3.4	6.92	21.7	<0.02	<1	0.4	15.0	<10	<2
1081568	Soil	1.57	<0.1	0.07	1.74	15.6	0.9	<0.05	3.3	5.67	18.5	0.03	<1	0.4	14.1	<10	<2
1081569	Soil	1.37	<0.1	0.06	1.45	11.5	0.6	<0.05	2.8	7.18	23.4	0.02	<1	0.4	15.4	<10	<2
1081570 Agi Dagi A	Rock Pulp	1.00	<0.1	<0.02	0.40	10.3	3.1	<0.05	0.7	1.60	16.6	0.07	3	0.3	6.5	<10	5
1081571	Soil	1.06	<0.1	0.07	1.55	6.5	0.6	<0.05	2.8	4.27	16.7	0.03	<1	0.3	10.7	<10	<2
1081572	Soil	0.79	<0.1	0.03	1.14	4.9	0.8	<0.05	1.7	3.30	11.8	<0.02	<1	0.2	6.9	<10	<2
1081573	Soil	0.63	<0.1	0.03	0.87	5.5	0.5	<0.05	1.3	2.85	10.7	<0.02	<1	0.2	7.2	<10	<2
1081574	Soil	0.98	<0.1	0.04	1.36	5.5	4.3	<0.05	2.4	5.18	17.5	<0.02	<1	0.3	9.4	<10	<2
1081575	Soil	1.27	<0.1	0.05	1.84	6.2	0.7	<0.05	3.5	6.16	22.5	0.02	<1	0.3	15.4	<10	<2
1081576	Soil	1.24	<0.1	0.06	1.77	8.4	0.9	<0.05	3.2	6.30	19.3	0.02	<1	0.3	13.6	<10	<2
1081577	Soil	1.06	<0.1	0.05	1.50	7.3	0.7	<0.05	2.4	4.82	19.2	0.02	<1	0.4	9.1	<10	<2
1082500	Soil	0.91	<0.1	0.06	1.10	7.6	1.0	<0.05	2.4	9.60	26.9	0.02	<1	0.3	11.1	<10	<2
1082501	Soil	1.14	<0.1	0.05	1.29	8.0	0.7	<0.05	2.7	6.25	21.9	0.03	<1	0.5	14.0	<10	<2
1082502	Soil	1.07	<0.1	0.04	1.17	8.4	2.1	<0.05	2.5	6.11	20.5	0.02	<1	0.3	13.2	<10	<2
1082503	Soil	1.17	<0.1	0.07	1.31	9.0	0.6	<0.05	2.9	7.84	25.2	<0.02	<1	0.4	14.8	<10	<2
1082504	Soil	1.31	<0.1	0.06	1.60	17.9	0.8	<0.05	3.3	8.24	22.9	0.02	<1	0.3	14.0	<10	<2
1082505	Soil	1.17	<0.1	0.10	1.72	14.5	0.9	<0.05	4.9	9.64	26.2	0.02	<1	0.4	15.6	<10	<2
1082506	Soil	1.35	<0.1	0.07	1.79	14.6	2.2	<0.05	3.4	6.11	23.0	0.03	<1	0.4	14.4	<10	<2
1082507	Soil	1.53	<0.1	0.08	2.03	12.4	0.8	<0.05	3.8	10.00	31.3	0.03	<1	0.4	16.2	<10	<2
1082508	Soil	1.08	<0.1	0.04	1.32	8.3	0.9	<0.05	2.3	5.31	19.8	<0.02	<1	0.4	9.9	<10	<2



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Page:

1 of 2

Part 1

QUALITY CONTROL REPORT

WHI11001388.1

	Method Analyte Unit MDL	WGHT	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Wgt	-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		kg	g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0.01	0	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
Pulp Duplicates																					
1081315	Soil		140.0	1204	5.29	47.40	20.91	138.6	765	24.3	7.6	252	2.51	22.7	1.2	50.9	0.7	26.3	1.21	0.88	0.46
REP 1081315	QC																				
1081319	Soil		222.0	1279	1.29	38.92	17.95	109.1	288	29.6	14.9	679	3.41	29.0	1.0	21.6	2.1	27.2	0.71	0.77	0.71
REP 1081319	QC				1.27	37.79	17.48	106.3	278	28.1	14.4	669	3.37	27.8	0.9	26.8	2.1	25.9	0.71	0.72	0.69
1081335	Soil		168.0	848.0	1.02	43.91	15.68	195.8	728	18.6	8.1	504	2.75	49.7	1.0	30.3	0.9	29.8	1.15	1.18	1.02
REP 1081335	QC				1.02	42.56	15.34	187.3	732	18.1	8.0	486	2.66	48.2	1.0	31.3	0.9	27.7	1.13	1.12	1.03
1081339	Soil		166.0	2412	1.35	120.7	6.87	91.3	122	24.7	11.0	427	3.30	51.4	2.0	15.8	14.3	35.2	0.79	0.65	0.91
REP 1081339	QC				1.31	120.3	6.73	92.4	133	25.4	11.1	429	3.34	52.2	2.0	8.6	14.1	34.7	0.77	0.68	0.80
1081350 GS-1	Rock Pulp			N.A.	0.62	19.83	8.59	50.4	38	25.0	11.6	420	2.74	4.4	1.5	0.3	7.1	86.1	0.05	0.19	0.19
REP 1081350 GS-1	QC																				
1081425	Soil		483.0	1704	2.03	28.58	9.97	66.3	87	26.5	12.8	396	3.60	14.8	2.6	4.9	8.3	32.6	0.20	0.67	0.21
REP 1081425	QC				1.87	27.64	9.53	63.3	80	25.9	12.6	391	3.55	14.5	2.4	4.5	8.2	31.6	0.20	0.64	0.19
1081438	Soil		329.0	662.0	7.47	42.42	7.81	75.3	186	24.5	11.1	494	2.90	8.6	6.1	8.3	3.7	46.7	0.21	0.60	0.15
REP 1081438	QC				7.75	44.54	8.21	79.9	189	25.1	11.8	527	3.02	9.2	6.4	8.3	3.7	49.0	0.26	0.66	0.17
1081441	Soil		368.0	939.0	1.50	30.71	7.64	79.5	127	25.9	17.5	1166	3.25	17.4	2.0	5.8	2.8	38.9	0.23	0.98	0.25
REP 1081441	QC																				
1081442	Soil		286.0	575.0	1.82	23.96	7.40	71.6	88	24.3	14.9	896	2.81	11.2	1.4	6.1	1.3	36.5	0.23	0.84	0.23
REP 1081442	QC				I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1081454	Soil		290.0	683.0	1.19	19.41	8.73	75.3	109	23.4	13.0	531	2.58	7.4	0.9	8.2	2.0	38.7	0.19	0.87	0.23
REP 1081454	QC				1.16	18.81	8.60	72.6	100	22.6	12.7	502	2.50	7.0	0.9	8.7	2.0	36.4	0.23	0.89	0.22
1081464	Soil		283.0	1605	0.77	38.00	44.33	344.7	266	18.3	9.1	512	2.60	99.6	1.1	31.1	4.1	35.2	2.85	4.86	0.65
REP 1081464	QC				I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1081479	Soil		104.0	1385	1.34	37.53	7.24	73.4	85	39.3	15.8	519	3.43	17.0	1.0	11.9	1.5	22.1	0.40	0.94	0.40
REP 1081479	QC				1.43	39.53	7.16	73.7	82	40.2	15.4	516	3.55	17.6	1.0	2.6	1.6	23.0	0.43	1.08	0.39
1081487	Soil		263.0	1665	1.95	137.3	35.40	235.6	1699	39.8	34.1	1277	3.74	278.6	1.9	24.3	2.0	32.7	3.84	3.86	3.75
REP 1081487	QC				1.84	137.6	34.80	236.6	1705	39.4	33.6	1270	3.70	272.6	1.9	27.9	1.9	32.3	3.79	3.86	3.64
1081495	Soil		325.0	916.0	1.13	21.58	6.90	76.8	83	24.0	13.1	395	3.08	6.6	2.2	5.5	2.3	38.3	0.10	0.45	0.12
REP 1081495	QC																				



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Report Date:

November 10, 2011

Page:

1 of 2

Part 2

QUALITY CONTROL REPORT

WHI11001388.1

Method Analyte Unit MDL		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		2	0.01	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																					
1081315	Soil	60	0.28	0.096	9.6	43.0	0.79	118.3	0.042	2	2.43	0.014	0.05	<0.1	2.5	0.15	0.08	70	0.5	0.07	6.9
REP 1081315	QC																				
1081319	Soil	73	0.29	0.065	9.5	39.3	0.67	150.5	0.075	1	2.42	0.011	0.06	0.1	3.9	0.10	<0.02	21	0.4	0.21	6.4
REP 1081319	QC	73	0.28	0.063	9.4	37.7	0.66	143.8	0.075	1	2.38	0.011	0.06	0.1	3.6	0.09	<0.02	23	0.4	0.17	6.1
1081335	Soil	56	0.30	0.058	10.4	29.5	0.53	190.2	0.044	<1	2.38	0.029	0.07	<0.1	3.2	0.20	0.04	49	0.7	0.14	7.0
REP 1081335	QC	54	0.28	0.055	9.9	29.1	0.50	189.0	0.036	<1	2.25	0.025	0.06	<0.1	2.9	0.19	0.04	39	0.8	0.11	6.5
1081339	Soil	84	0.56	0.083	20.4	38.3	0.88	237.1	0.192	2	2.34	0.028	0.22	4.5	4.6	0.48	<0.02	9	0.3	0.07	7.1
REP 1081339	QC	85	0.56	0.086	20.5	38.4	0.89	234.8	0.194	2	2.37	0.028	0.22	4.6	4.6	0.49	<0.02	12	0.2	0.08	7.3
1081350 GS-1	Rock Pulp	16	3.65	0.040	17.5	19.7	1.09	69.7	0.029	1	1.36	0.031	0.25	0.1	2.3	0.11	0.03	9	0.1	0.02	3.7
REP 1081350 GS-1	QC																				
1081425	Soil	78	0.56	0.065	19.1	40.9	0.74	170.0	0.118	2	2.22	0.027	0.06	0.7	5.7	0.15	0.03	35	0.4	<0.02	6.5
REP 1081425	QC	76	0.55	0.063	18.6	40.1	0.73	165.5	0.115	2	2.17	0.026	0.06	0.7	5.7	0.14	0.02	28	0.3	0.02	6.3
1081438	Soil	62	0.87	0.079	21.5	34.9	0.70	219.3	0.076	2	1.96	0.023	0.06	0.4	4.0	0.13	0.06	36	0.3	0.03	5.6
REP 1081438	QC	65	0.90	0.086	22.6	37.5	0.72	223.5	0.080	2	2.05	0.023	0.06	0.4	4.3	0.14	0.06	40	0.3	0.03	6.0
1081441	Soil	80	0.74	0.096	12.7	44.0	0.78	136.7	0.098	1	1.88	0.019	0.09	0.4	4.6	0.14	0.04	38	0.4	0.05	6.0
REP 1081441	QC																				
1081442	Soil	64	0.73	0.081	9.5	41.8	0.62	121.7	0.080	2	1.53	0.019	0.05	0.3	3.3	0.15	0.03	48	0.3	0.06	5.7
REP 1081442	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1081454	Soil	60	0.61	0.068	11.4	37.0	0.63	129.1	0.075	2	1.83	0.020	0.08	0.2	3.7	0.11	0.05	47	0.4	0.06	5.9
REP 1081454	QC	59	0.59	0.065	11.3	34.2	0.62	131.2	0.073	1	1.79	0.020	0.07	0.1	3.5	0.12	0.05	54	0.3	0.05	5.9
1081464	Soil	56	0.51	0.086	15.1	34.7	0.52	111.0	0.110	1	1.41	0.018	0.05	0.1	4.3	0.08	<0.02	22	0.3	0.02	4.0
REP 1081464	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1081479	Soil	86	0.31	0.095	13.0	52.9	0.79	133.3	0.080	1	2.16	0.009	0.08	0.1	3.7	0.08	0.04	38	0.7	0.12	6.5
REP 1081479	QC	89	0.33	0.100	13.7	52.7	0.78	133.6	0.098	2	2.17	0.010	0.09	0.1	3.7	0.08	0.04	46	0.8	0.14	6.7
1081487	Soil	79	0.44	0.092	24.7	52.6	0.78	204.5	0.062	1	2.22	0.012	0.07	0.1	6.0	0.14	0.05	68	0.7	0.12	7.2
REP 1081487	QC	77	0.44	0.090	24.5	52.8	0.77	202.8	0.062	<1	2.22	0.012	0.07	<0.1	5.9	0.14	0.04	53	0.5	0.07	7.0
1081495	Soil	84	0.56	0.061	11.9	37.4	0.78	257.1	0.141	1	2.34	0.024	0.07	0.2	4.7	0.10	0.04	26	0.4	<0.02	6.7
REP 1081495	QC																				



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

Project: 210800
Report Date: November 10, 2011

Page: 1 of 2 Part 3

QUALITY CONTROL REPORT

WHI11001388.1

Method Analyte Unit MDL		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
Pulp Duplicates																		
1081315	Soil	2.10	<0.1	0.02	0.74	7.5	1.2	<0.05	1.0	5.80	19.3	0.05	<1	0.4	15.1	<10	<2	20.3
REP 1081315	QC																	
1081319	Soil	3.32	<0.1	0.04	0.89	8.5	1.2	<0.05	2.2	5.83	28.4	0.04	<1	0.6	14.4	<10	<2	10.6
REP 1081319	QC	3.25	<0.1	0.04	0.83	8.3	1.0	<0.05	2.1	5.49	27.4	0.03	<1	0.5	14.3	<10	<2	
1081335	Soil	7.92	<0.1	<0.02	0.79	13.0	0.7	<0.05	1.2	9.42	17.8	0.03	<1	0.3	19.3	<10	<2	13.3
REP 1081335	QC	7.34	<0.1	0.02	0.77	11.7	0.6	<0.05	1.5	8.79	16.8	0.04	<1	0.5	18.4	<10	<2	
1081339	Soil	5.00	<0.1	0.13	1.10	42.3	2.0	<0.05	6.3	9.69	38.7	0.04	2	0.9	19.5	<10	<2	5.9
REP 1081339	QC	4.93	<0.1	0.14	1.17	41.3	1.9	<0.05	6.3	9.76	38.6	0.03	<1	0.7	20.2	<10	<2	
1081350 GS-1	Rock Pulp	1.02	<0.1	0.02	0.67	16.4	0.6	<0.05	0.8	7.22	35.2	<0.02	<1	0.3	29.4	<10	<2	8.7
REP 1081350 GS-1	QC																	
1081425	Soil	1.79	<0.1	0.11	1.61	10.7	0.6	<0.05	5.9	11.36	37.7	0.03	<1	0.4	17.1	<10	<2	10.1
REP 1081425	QC	1.73	<0.1	0.11	1.58	10.6	0.5	<0.05	5.6	11.15	36.5	0.02	<1	0.5	16.9	<10	<2	
1081438	Soil	1.73	<0.1	0.05	1.40	15.6	0.7	<0.05	2.7	9.54	32.1	0.02	<1	0.5	18.0	<10	<2	20.1
REP 1081438	QC	1.84	<0.1	0.05	1.37	16.3	0.8	<0.05	2.8	10.22	33.4	0.03	<1	0.4	18.9	<10	<2	
1081441	Soil	1.82	<0.1	0.05	1.30	14.3	0.6	<0.05	2.7	7.40	25.9	0.03	<1	0.4	17.0	<10	<2	17.6
REP 1081441	QC																	
1081442	Soil	1.55	<0.1	0.04	1.18	11.3	0.6	<0.05	1.6	5.51	19.1	0.06	2	0.2	12.4	<10	<2	23.2
REP 1081442	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
1081454	Soil	1.35	<0.1	0.05	1.39	12.0	0.6	<0.05	2.6	6.13	21.9	0.02	<1	0.4	12.3	<10	<2	20.4
REP 1081454	QC	1.35	<0.1	0.05	1.51	11.5	0.7	<0.05	2.6	5.86	22.2	<0.02	<1	0.3	12.0	<10	<2	
1081464	Soil	1.86	<0.1	0.10	0.58	5.7	1.1	<0.05	4.1	10.93	26.8	0.10	1	0.4	9.3	<10	<2	4.2
REP 1081464	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
1081479	Soil	1.53	<0.1	0.04	0.96	7.6	0.5	<0.05	1.9	6.65	26.3	0.03	<1	0.6	13.9	<10	<2	14.2
REP 1081479	QC	1.70	<0.1	0.03	1.02	8.5	0.4	<0.05	1.7	6.98	27.5	0.04	<1	0.6	13.9	<10	<2	
1081487	Soil	3.06	<0.1	0.05	1.04	14.3	0.6	<0.05	1.8	16.42	50.7	0.10	<1	0.9	13.8	<10	3	13.9
REP 1081487	QC	3.04	<0.1	0.04	1.05	13.9	0.6	<0.05	1.6	16.41	50.2	0.11	<1	0.7	13.0	<10	<2	
1081495	Soil	1.13	<0.1	0.05	1.24	14.7	0.6	<0.05	2.8	7.23	23.5	0.03	<1	0.5	14.7	<10	<2	12.1
REP 1081495	QC																	



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Page: 2 of 2 Part 1

QUALITY CONTROL REPORT

WHI11001388.1

		WGHT	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Wgt	-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		kg	g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0.01	0	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
1081551	Soil		363.0	2090	0.50	25.30	21.89	77.2	239	25.5	10.9	277	2.68	34.6	2.3	6.5	9.3	34.6	0.52	0.89	0.21
REP 1081551	QC				0.52	26.03	22.11	77.8	241	26.0	10.9	281	2.75	35.7	2.3	4.9	9.4	35.2	0.45	0.94	0.20
1081562	Soil		278.0	664.0	1.63	25.69	6.75	73.2	81	20.2	9.3	393	2.50	9.9	0.8	1.9	0.6	36.1	0.32	0.67	0.14
REP 1081562	QC																				
1081575	Soil		375.0	760.0	1.20	30.53	6.32	61.9	78	24.1	15.2	511	3.32	8.7	1.3	16.7	2.5	43.0	0.13	0.53	0.14
REP 1081575	QC				1.27	32.17	6.72	64.4	91	25.9	16.2	536	3.41	9.5	1.4	8.4	2.7	42.0	0.14	0.55	0.14
Reference Materials																					
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DS8	Standard				12.28	103.8	122.5	303.9	1801	35.3	7.0	570	2.36	25.1	2.6	111.4	6.7	63.2	2.41	5.54	7.00
STD DS8	Standard				12.86	112.2	120.6	312.7	1767	38.2	7.6	603	2.53	23.9	2.7	105.2	6.7	65.4	2.28	5.53	6.16
STD DS8	Standard				14.30	113.2	126.6	325.0	1866	39.3	7.9	645	2.69	26.2	3.1	124.5	8.0	74.5	2.35	5.87	6.85
STD DS8	Standard				12.84	103.3	117.3	300.9	1706	36.6	7.3	595	2.42	23.2	2.7	110.6	6.5	61.4	2.17	5.23	6.09
STD DS8	Standard				13.49	117.0	121.5	306.2	1710	39.6	7.6	600	2.50	23.7	2.8	113.9	6.8	63.1	2.17	5.18	6.34
STD DS8	Standard				12.79	106.0	125.4	314.6	1756	37.7	7.5	599	2.48	24.0	2.8	111.1	6.3	61.7	2.18	5.33	6.53
STD DS8	Standard				14.52	124.2	136.3	322.5	1850	41.2	8.1	641	2.68	24.6	3.3	128.6	7.9	71.2	2.48	6.10	7.58
STD DOLOMITE-2 Expected																					
STD DS8 Expected					13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67
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
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
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
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
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
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
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



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Page:

2 of 2

Part 2

QUALITY CONTROL REPORT

WHI11001388.1

		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te
		ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm
		2	0.01	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
1081551	Soil	76	0.43	0.069	18.4	40.1	0.79	163.7	0.130	2	2.62	0.019	0.08	0.2	4.7	0.20	<0.02	24	0.1	0.04
REP 1081551	QC	78	0.45	0.071	18.6	41.3	0.79	168.7	0.137	2	2.60	0.020	0.08	0.3	5.0	0.19	<0.02	22	0.1	0.03
1081562	Soil	55	0.71	0.076	9.0	27.5	0.45	109.8	0.057	2	1.46	0.037	0.06	0.2	2.0	0.09	0.06	33	0.2	0.03
REP 1081562	QC																			
1081575	Soil	98	0.75	0.061	10.5	34.0	0.73	234.8	0.135	2	2.19	0.047	0.05	0.1	3.5	0.15	0.04	30	0.3	<0.02
REP 1081575	QC	100	0.75	0.062	10.6	35.8	0.76	252.3	0.130	2	2.18	0.042	0.05	0.2	3.6	0.15	0.05	32	0.2	0.03
Reference Materials																				
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DS8	Standard	39	0.70	0.084	14.9	115.4	0.60	254.1	0.102	2	0.91	0.092	0.41	2.8	2.1	5.30	0.16	180	4.8	5.17
STD DS8	Standard	42	0.72	0.078	15.9	115.1	0.61	268.4	0.110	2	0.95	0.096	0.42	2.9	2.3	5.53	0.16	188	5.2	5.03
STD DS8	Standard	46	0.79	0.086	18.8	127.9	0.67	300.1	0.125	3	1.14	0.122	0.48	3.0	2.6	5.64	0.17	204	5.4	4.91
STD DS8	Standard	41	0.71	0.077	14.7	117.8	0.61	264.6	0.110	2	0.99	0.115	0.44	2.8	2.4	5.33	0.16	197	5.2	4.68
STD DS8	Standard	42	0.73	0.074	16.0	119.8	0.63	267.9	0.123	3	0.93	0.087	0.41	2.8	2.3	5.21	0.17	169	5.0	4.90
STD DS8	Standard	41	0.70	0.080	14.4	119.6	0.62	267.4	0.109	3	0.91	0.083	0.41	3.0	1.9	5.44	0.17	198	5.1	5.12
STD DS8	Standard	44	0.76	0.087	18.7	128.7	0.67	277.2	0.129	2	1.01	0.098	0.44	3.1	2.4	5.76	0.17	215	5.5	5.87
STD DOLOMITE-2 Expected																				
STD DS8 Expected		41.1	0.7	0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5
BLK	Blank	<2	<0.01	<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
BLK	Blank	<2	<0.01	<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
BLK	Blank	<2	<0.01	<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
BLK	Blank	<2	<0.01	<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
BLK	Blank	<2	<0.01	<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
BLK	Blank	<2	<0.01	<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
BLK	Blank	<2	<0.01	<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



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Page:

2 of 2

Part 3

QUALITY CONTROL REPORT

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		1F30 Cs ppm 0.02	1F30 Ge ppm 0.1	1F30 Hf ppm 0.02	1F30 Nb ppm 0.02	1F30 Rb ppm 0.1	1F30 Sn ppm 0.1	1F30 Ta ppm 0.05	1F30 Zr ppm 0.1	1F30 Y ppm 0.01	1F30 Ce ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2	LOI %
1081551	Soil	3.53	<0.1	0.07	1.03	14.2	0.7	<0.05	4.1	8.45	37.0	0.04	<1	0.6	19.0	<10	<2	7.2
REP 1081551	QC	3.62	<0.1	0.07	1.18	14.5	0.7	<0.05	4.0	8.72	36.8	0.04	<1	0.7	19.0	<10	<2	
1081562	Soil	1.02	<0.1	0.04	1.18	9.7	0.5	<0.05	1.8	5.13	18.8	0.02	<1	0.4	10.6	<10	<2	18.9
REP 1081562	QC																	18.8
1081575	Soil	1.27	<0.1	0.05	1.84	6.2	0.7	<0.05	3.5	6.16	22.5	0.02	<1	0.3	15.4	<10	<2	17.1
REP 1081575	QC	1.25	<0.1	0.09	1.93	6.1	0.6	<0.05	4.3	6.31	22.6	0.02	<1	0.4	16.7	<10	<2	
Reference Materials																		
STD DOLOMITE-2	Standard																	45.9
STD DOLOMITE-2	Standard																	45.9
STD DOLOMITE-2	Standard																	46.0
STD DOLOMITE-2	Standard																	46.1
STD DOLOMITE-2	Standard																	45.6
STD DS8	Standard	2.39	<0.1	0.07	1.24	38.3	6.8	<0.05	1.9	5.45	26.2	2.07	57	5.0	27.5	94	347	
STD DS8	Standard	2.44	<0.1	0.07	1.46	40.4	6.7	<0.05	1.8	6.22	27.5	2.32	59	4.7	26.8	108	330	
STD DS8	Standard	2.61	<0.1	0.10	1.57	39.5	7.3	<0.05	2.3	7.25	33.8	2.20	60	5.0	29.1	114	348	
STD DS8	Standard	2.44	0.1	0.08	1.46	37.7	6.2	<0.05	1.5	5.91	27.8	2.16	60	5.2	26.5	123	334	
STD DS8	Standard	2.37	<0.1	0.12	1.44	35.9	6.4	<0.05	2.2	6.24	29.2	2.16	56	4.8	24.8	120	336	
STD DS8	Standard	2.42	0.1	0.07	1.32	36.7	6.2	<0.05	1.7	5.62	26.0	2.23	58	5.2	26.0	135	339	
STD DS8	Standard	2.62	0.1	0.08	1.55	40.9	7.3	<0.05	1.8	6.99	31.3	2.44	64	5.4	29.8	113	363	
STD DOLOMITE-2 Expected																		46
STD DS8 Expected		2.48	0.13	0.08	1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339	
BLK	Blank	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	



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Submitted By: Andrea Langerud

Receiving Lab: Canada-Whitehorse

Received: August 22, 2011

Report Date: October 18, 2011

Page: 1 of 10

CERTIFICATE OF ANALYSIS

WHI11001389.1

CLIENT JOB INFORMATION

Project: 210800
Shipment ID: YTG-014
P.O. Number
Number of Samples: 270

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.

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

CC: Randy Farmer
Rupa Mukherjee

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	257	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	257	Dry at 60C			WHI
RJSV	257	Saving all or part of Soil Reject			WHI
1F06	270	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
2A05	267	Loss on Ignition at 1000 C		Completed	VAN

ADDITIONAL COMMENTS



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



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Project: 210800
Report Date: October 18, 2011

Page: 2 of 10 Part 1

CERTIFICATE OF ANALYSIS

WHI11001389.1

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1081001	Soil	217.0	1560	0.93	37.94	5.73	64.9	92	33.2	13.8	524	2.72	6.6	0.8	2.3	1.9	40.3	0.21	0.44	0.11
1081002	Soil	260.0	1406	0.95	41.98	6.53	70.3	110	37.6	14.2	517	2.91	6.6	0.9	2.9	2.3	42.1	0.22	0.44	0.12
1081003	Soil	262.0	1351	1.25	48.68	10.96	71.8	111	44.4	17.3	722	3.48	8.2	0.8	4.1	2.3	39.8	0.20	0.50	0.13
1081004	Soil	287.0	3112	2.99	36.62	24.13	75.7	209	28.9	13.6	509	3.22	6.6	4.0	4.9	7.5	46.5	0.63	0.49	0.34
1081005	Soil	130.0	3394	4.69	70.91	166.3	64.1	2635	20.4	10.6	607	3.10	7.6	3.6	2.2	17.7	37.9	0.60	0.52	6.28
1081006	Soil	383.0	2454	2.12	35.28	23.25	66.5	233	27.3	13.5	502	3.23	7.5	3.4	4.4	6.6	36.2	0.44	0.48	0.78
1081007	Soil	356.0	3164	1.30	31.97	23.99	69.3	160	25.3	12.2	393	3.31	6.4	3.7	2.2	12.8	65.1	0.57	0.50	0.80
1081008	Soil	229.0	2454	2.49	32.23	29.62	70.8	425	28.8	14.5	322	3.52	8.2	6.8	5.6	10.8	30.7	0.42	0.72	1.57
1081009	Soil	318.0	2136	2.39	30.86	29.05	74.4	257	28.7	12.4	541	3.24	8.8	2.3	4.1	5.9	35.7	0.55	0.51	1.19
1081010 Agi Dagi A	Soil	N.A.	N.A.	70.26	17.99	68.72	19.3	52	9.5	2.6	83	3.35	88.4	0.5	463.4	2.9	11.0	0.05	3.65	20.02
1081011	Soil	197.0	1844	2.25	36.08	13.96	74.7	163	30.2	12.5	488	3.43	11.7	4.8	2.9	5.8	34.6	0.23	0.69	0.77
1081012	Soil	172.0	2676	1.41	31.39	11.62	62.5	138	26.7	10.8	447	3.26	7.1	3.5	6.8	7.8	31.2	0.20	0.57	0.96
1081013	Soil	255.0	2748	1.50	40.34	16.66	69.2	245	33.7	17.5	329	3.48	8.3	3.4	10.5	7.7	31.9	0.32	0.64	2.19
1081014	Soil	302.0	2586	1.46	39.01	14.07	61.0	236	30.0	15.4	479	3.75	13.2	4.3	6.2	8.6	31.0	0.31	1.08	1.13
1081015	Soil	279.0	2004	1.56	34.47	12.50	62.4	167	28.3	16.6	736	4.35	11.4	4.5	5.2	9.8	33.2	0.26	1.82	0.57
1081016	Soil	292.0	2202	2.17	38.55	26.20	64.6	267	33.1	12.6	222	2.70	8.1	4.5	16.5	6.6	24.3	0.21	1.75	1.97
1081017	Soil	299.0	1940	2.04	42.68	17.52	61.4	569	29.3	11.6	415	3.21	281.0	3.7	24.0	6.8	36.7	0.26	1.25	2.34
1081018	Soil	246.0	2148	1.10	30.59	11.69	63.5	246	30.3	10.9	484	3.06	7.6	1.4	63.3	5.0	31.9	0.20	0.51	2.20
1081019	Soil	191.0	1786	1.43	35.80	12.82	55.9	215	26.9	11.8	796	3.53	8.9	4.2	10.8	7.0	31.5	0.16	0.76	1.12
1081020	Soil	288.0	2758	1.54	31.42	15.46	71.2	142	24.5	10.9	339	3.43	9.2	4.5	3.6	12.6	39.5	0.19	0.63	0.76
1081021	Soil	327.0	1204	2.12	28.48	19.47	82.3	227	30.2	14.2	765	3.36	9.6	2.7	7.7	5.8	34.0	0.46	0.58	1.13
1081022	Soil	336.0	1018	1.71	22.37	14.88	71.1	170	25.4	11.4	487	3.04	7.9	1.5	10.8	4.0	32.5	0.36	0.52	0.85
1081023	Soil	417.0	1406	2.61	30.53	39.38	85.5	339	30.3	12.7	602	3.16	7.6	3.3	5.3	7.0	34.2	1.47	0.60	1.26
1081024	Soil	190.0	1638	2.61	38.89	32.72	78.9	301	28.1	12.3	344	3.11	6.8	6.2	4.0	9.9	37.2	1.53	0.65	1.01
1081025	Soil	285.0	1570	1.44	25.38	34.52	69.0	206	26.4	13.7	364	2.73	5.3	2.9	5.1	11.1	30.2	0.87	0.53	0.98
1081026	Soil	288.0	1262	2.31	30.22	25.91	69.8	271	27.5	16.1	581	3.63	8.4	4.5	3.4	7.5	27.6	0.47	0.60	0.76
1081027	Soil	353.0	1076	1.97	33.85	27.17	69.0	172	34.2	12.8	525	3.28	7.5	2.3	8.2	7.1	41.6	0.52	0.50	0.45
1081028	Soil	434.0	1278	2.15	28.77	21.85	73.0	180	27.6	12.8	499	3.14	7.7	3.3	10.9	5.9	31.0	0.59	0.54	0.48
1081029	Soil	531.0	1277	2.53	31.51	28.93	65.4	145	27.8	12.2	490	3.01	6.2	2.4	5.1	6.3	31.6	0.82	0.42	0.73
1081030 Agi Dagi B	Soil	N.A.	N.A.	2.78	8.28	26.54	17.1	18	10.2	3.4	87	3.59	60.3	0.8	89.3	4.6	32.9	0.03	0.94	1.78



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Project:

210800

Report Date:

October 18, 2011

Page:

2 of 10

Part 2

CERTIFICATE OF ANALYSIS

WHI11001389.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1081001	Soil	1.10	0.079	12.6	42.7	0.80	167.7	0.109	3	1.69	0.039	0.08	0.1	4.8	0.11	0.03	26	0.7	<0.02	4.9	0.82
1081002	Soil	1.17	0.089	13.2	46.2	0.92	179.9	0.121	3	1.85	0.043	0.10	0.2	5.3	0.12	0.03	36	0.4	<0.02	5.4	0.94
1081003	Soil	0.84	0.075	14.0	53.2	0.96	190.8	0.128	3	2.17	0.036	0.09	<0.1	6.1	0.08	<0.02	40	0.4	<0.02	6.3	0.78
1081004	Soil	0.55	0.074	21.1	44.4	0.69	194.5	0.119	1	2.05	0.024	0.08	0.5	6.9	0.13	<0.02	27	0.5	<0.02	6.2	1.85
1081005	Soil	0.61	0.071	21.3	31.9	0.62	155.1	0.057	<1	1.88	0.013	0.11	0.2	7.2	0.14	<0.02	24	0.4	0.12	5.6	4.49
1081006	Soil	0.47	0.068	21.2	40.8	0.70	191.6	0.123	2	2.07	0.022	0.07	0.3	6.0	0.13	<0.02	25	0.4	0.04	6.1	1.79
1081007	Soil	0.54	0.072	22.4	36.3	0.74	251.1	0.120	<1	2.19	0.020	0.11	0.6	6.2	0.19	<0.02	23	0.3	0.03	6.2	2.96
1081008	Soil	0.40	0.061	25.6	43.1	0.77	197.5	0.096	<1	2.57	0.013	0.07	0.4	5.7	0.19	<0.02	49	0.5	0.06	7.7	2.53
1081009	Soil	0.49	0.069	13.3	39.4	0.69	168.0	0.119	2	2.16	0.019	0.07	0.4	4.3	0.14	<0.02	18	0.4	<0.02	6.5	2.15
1081010 Agi Dagi A	Soil	0.03	0.021	7.0	14.9	0.11	53.4	0.009	<1	0.94	<0.001	0.05	0.4	1.6	0.18	<0.02	31	7.6	3.33	4.3	0.85
1081011	Soil	0.55	0.070	21.9	44.0	0.72	201.0	0.105	1	2.20	0.020	0.06	0.5	5.6	0.17	0.02	33	0.5	0.02	6.6	2.22
1081012	Soil	0.46	0.069	20.0	42.3	0.64	179.5	0.120	1	2.15	0.015	0.07	0.8	6.1	0.14	<0.02	27	<0.1	<0.02	5.8	2.08
1081013	Soil	0.38	0.074	22.5	46.5	0.68	215.7	0.139	1	2.17	0.019	0.08	0.8	6.4	0.17	<0.02	25	0.5	0.07	6.6	1.82
1081014	Soil	0.41	0.079	23.6	42.8	0.68	234.5	0.131	<1	2.13	0.017	0.08	0.6	6.5	0.15	<0.02	28	0.3	0.03	6.1	1.82
1081015	Soil	0.44	0.067	22.1	41.8	0.70	219.8	0.129	1	2.18	0.019	0.06	0.3	5.9	0.14	<0.02	31	0.3	<0.02	6.3	2.14
1081016	Soil	0.38	0.072	19.2	43.5	0.82	182.9	0.108	2	2.52	0.016	0.06	0.5	4.6	0.19	0.03	55	0.5	0.03	7.2	2.32
1081017	Soil	0.50	0.061	22.7	41.9	0.71	168.7	0.107	2	2.29	0.017	0.06	0.6	5.7	0.13	<0.02	31	0.3	0.05	6.4	2.25
1081018	Soil	0.43	0.043	11.6	38.5	0.73	153.6	0.106	1	2.29	0.014	0.05	0.7	4.0	0.10	<0.02	33	0.3	0.07	6.0	1.62
1081019	Soil	0.43	0.066	26.8	42.0	0.68	199.8	0.100	<1	2.31	0.016	0.06	0.6	6.2	0.13	0.02	38	0.5	<0.02	6.4	2.13
1081020	Soil	0.48	0.075	26.6	39.9	0.69	218.2	0.130	<1	2.07	0.020	0.11	0.7	6.9	0.20	<0.02	33	0.5	0.03	6.4	3.22
1081021	Soil	0.55	0.071	13.1	38.0	0.71	173.8	0.102	1	2.19	0.017	0.07	0.9	4.5	0.12	0.03	34	0.1	<0.02	6.3	2.10
1081022	Soil	0.45	0.065	11.2	33.8	0.66	139.1	0.100	2	1.93	0.017	0.06	0.7	3.3	0.09	0.02	26	0.4	<0.02	5.8	1.54
1081023	Soil	0.48	0.056	15.2	34.6	0.68	161.6	0.115	2	1.97	0.023	0.08	0.7	4.4	0.11	<0.02	31	0.3	0.05	5.7	2.84
1081024	Soil	0.49	0.068	24.0	45.4	0.69	198.6	0.138	1	2.10	0.026	0.09	0.6	7.0	0.19	<0.02	28	0.2	<0.02	6.4	2.14
1081025	Soil	0.40	0.060	20.7	39.9	0.69	218.3	0.125	2	2.33	0.016	0.06	0.4	5.6	0.18	<0.02	26	0.4	<0.02	6.8	2.20
1081026	Soil	0.38	0.068	23.4	43.5	0.72	191.6	0.092	1	2.36	0.018	0.06	0.4	6.5	0.18	0.03	45	0.5	<0.02	6.8	2.15
1081027	Soil	0.48	0.047	13.6	42.9	0.75	212.4	0.117	<1	2.48	0.017	0.06	0.2	5.1	0.12	<0.02	31	0.3	<0.02	6.8	2.18
1081028	Soil	0.42	0.060	16.4	36.8	0.68	160.5	0.101	2	2.11	0.022	0.06	0.5	4.5	0.12	0.02	33	0.3	<0.02	5.8	2.59
1081029	Soil	0.44	0.059	13.7	35.9	0.63	136.7	0.112	1	1.89	0.026	0.06	1.3	4.1	0.10	<0.02	30	0.2	0.02	5.0	2.25
1081030 Agi Dagi B	Soil	0.04	0.018	9.0	20.9	0.12	70.2	0.022	<1	1.09	0.002	0.07	<0.1	2.1	0.10	0.03	31	2.2	0.39	8.1	0.83



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Project: 210800
Report Date: October 18, 2011

Page: 2 of 10 Part 3

CERTIFICATE OF ANALYSIS

WHI11001389.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1081001	Soil	<0.1	0.12	1.41	10.2	0.6	<0.05	5.4	10.31	25.4	0.03	<1	0.6	10.3	<10	<2	15.9
1081002	Soil	<0.1	0.12	1.40	11.0	1.0	<0.05	6.2	10.66	27.6	0.02	<1	0.4	11.3	<10	<2	14.0
1081003	Soil	<0.1	0.11	1.19	8.6	3.2	<0.05	6.5	12.65	29.7	0.02	<1	0.6	12.9	<10	<2	11.7
1081004	Soil	<0.1	0.14	0.67	13.6	2.3	<0.05	6.6	12.09	39.2	0.03	2	0.5	14.1	<10	<2	7.3
1081005	Soil	<0.1	0.15	0.21	14.2	1.9	<0.05	9.2	11.51	50.7	0.04	<1	0.9	10.9	<10	<2	9.9
1081006	Soil	<0.1	0.12	0.80	11.5	2.9	<0.05	6.9	11.64	38.9	0.03	2	0.4	13.1	<10	<2	6.7
1081007	Soil	<0.1	0.21	0.59	16.5	1.6	<0.05	10.3	11.06	54.5	0.03	<1	0.5	12.6	<10	<2	7.1
1081008	Soil	<0.1	0.09	1.59	14.1	2.4	<0.05	4.3	11.08	46.1	0.02	<1	0.4	16.1	<10	<2	11.9
1081009	Soil	<0.1	0.10	1.22	12.8	0.9	<0.05	4.4	6.59	28.6	0.02	<1	0.4	12.1	<10	<2	9.2
1081010 Agi Dagi A	Soil	<0.1	<0.02	0.45	8.8	2.9	<0.05	0.6	1.34	15.0	0.06	6	0.3	5.0	21	3	6.3
1081011	Soil	<0.1	0.12	1.40	11.9	1.4	<0.05	5.7	9.14	36.9	0.03	2	0.5	14.4	<10	<2	11.7
1081012	Soil	<0.1	0.12	0.97	12.9	2.1	<0.05	7.2	9.61	35.8	0.02	<1	0.6	12.3	<10	<2	7.8
1081013	Soil	<0.1	0.19	0.94	15.9	2.2	<0.05	9.7	11.69	46.6	0.04	<1	0.5	13.3	<10	<2	6.9
1081014	Soil	<0.1	0.17	0.71	12.1	1.7	<0.05	9.5	11.46	46.9	0.02	<1	0.4	11.1	<10	<2	6.5
1081015	Soil	<0.1	0.15	0.91	11.5	1.7	<0.05	8.6	10.74	39.9	0.03	<1	0.5	12.1	<10	<2	7.9
1081016	Soil	<0.1	0.06	1.49	9.2	1.4	<0.05	4.1	8.36	34.8	0.04	<1	0.5	15.5	<10	<2	12.2
1081017	Soil	<0.1	0.08	0.99	11.8	1.0	<0.05	4.7	10.27	38.5	0.03	<1	0.6	12.3	<10	<2	9.1
1081018	Soil	<0.1	0.07	1.05	8.9	0.8	<0.05	3.8	5.62	25.9	0.02	<1	0.5	11.8	<10	<2	8.7
1081019	Soil	<0.1	0.05	1.04	11.6	1.1	<0.05	3.3	14.34	46.6	0.02	<1	0.6	13.0	<10	<2	10.3
1081020	Soil	<0.1	0.15	0.59	20.6	1.7	<0.05	8.6	13.34	51.3	0.03	<1	0.5	12.9	<10	<2	6.9
1081021	Soil	<0.1	0.07	1.17	13.2	0.9	<0.05	3.0	7.04	38.3	0.02	<1	0.4	13.6	<10	<2	11.2
1081022	Soil	<0.1	0.05	1.26	9.8	0.7	<0.05	2.9	5.53	23.1	0.02	<1	0.5	11.4	<10	<2	11.0
1081023	Soil	<0.1	0.10	1.06	11.4	0.8	<0.05	3.6	7.27	36.5	0.02	<1	0.6	11.2	<10	<2	8.9
1081024	Soil	<0.1	0.24	0.70	16.6	1.4	<0.05	12.2	13.03	48.9	0.03	<1	0.5	13.1	<10	<2	6.4
1081025	Soil	<0.1	0.11	1.12	9.9	1.3	<0.05	6.7	9.42	43.1	0.02	<1	0.5	14.3	<10	<2	7.5
1081026	Soil	<0.1	0.03	1.35	12.1	1.2	<0.05	3.3	11.84	49.3	0.03	<1	0.5	14.7	<10	<2	11.9
1081027	Soil	<0.1	0.10	0.97	10.7	0.9	<0.05	5.2	6.89	33.7	0.03	<1	0.3	13.6	<10	<2	8.7
1081028	Soil	<0.1	0.07	1.09	11.1	0.7	<0.05	3.4	7.30	33.7	0.02	<1	0.4	12.7	<10	<2	10.4
1081029	Soil	<0.1	0.05	0.80	8.8	0.6	<0.05	4.3	6.72	31.5	0.02	1	0.4	10.2	<10	<2	6.7
1081030 Agi Dagi B	Soil	<0.1	0.15	0.48	9.7	0.5	<0.05	7.6	2.52	17.6	<0.02	<1	0.3	5.1	17	<2	10.8



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Report Date: October 18, 2011

Page: 3 of 10 Part 1

CERTIFICATE OF ANALYSIS

WHI11001389.1

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1081031	Soil	274.0	1268	2.08	26.47	23.88	66.1	185	28.0	12.1	693	3.02	6.9	2.4	3.1	7.2	36.3	0.75	0.50	0.79
1081032	Soil	457.0	1260	1.57	33.71	13.42	59.1	180	28.7	12.9	640	2.90	6.6	1.9	18.4	5.7	35.8	0.38	0.43	0.79
1081033	Soil	284.0	1788	1.98	30.86	28.74	65.9	292	22.0	10.4	268	2.86	5.9	3.0	5.5	9.8	42.8	0.34	0.56	1.80
1081034	Soil	323.0	2034	1.57	29.40	20.29	79.3	353	30.2	13.8	561	3.48	10.2	2.9	5.5	5.3	34.2	0.40	0.68	1.30
1081035	Soil	336.0	1366	1.38	34.20	20.52	62.3	262	26.1	11.6	273	3.27	7.4	3.2	7.6	10.1	36.9	0.23	0.67	1.57
1081036	Soil	327.0	1464	1.27	17.67	23.38	63.2	194	25.8	11.7	255	2.70	5.2	1.2	13.1	6.6	22.1	0.09	1.00	2.04
1081037	Soil	310.0	1440	1.01	52.64	12.34	78.6	183	25.7	11.4	231	2.86	6.4	3.3	12.0	8.4	35.9	0.28	1.28	2.88
1081038	Soil	319.0	1190	0.91	27.61	10.50	69.7	78	25.0	9.8	455	3.22	6.6	1.5	20.8	7.2	38.0	0.16	2.00	2.49
1081039	Soil	280.0	1590	1.10	40.89	25.92	66.7	358	24.6	12.0	232	3.18	7.0	4.6	8.8	10.2	30.4	0.41	1.90	1.95
1081040	Soil	375.0	1394	1.42	27.63	16.05	59.8	216	25.2	11.0	482	3.10	6.8	2.6	7.1	6.1	30.7	0.26	0.86	1.05
1081041	Soil	236.0	1426	1.04	42.49	13.53	62.1	184	27.3	12.1	268	3.49	6.3	3.9	8.3	11.6	26.9	0.28	0.58	1.30
1081042	Soil	307.0	1728	1.09	35.74	12.95	57.3	148	24.6	11.9	337	3.76	7.3	3.4	6.9	11.4	25.1	0.23	0.63	1.39
1081043	Soil	470.0	1022	1.06	38.89	11.58	61.2	154	32.6	11.7	407	3.07	8.2	2.8	3.6	6.2	24.1	0.15	0.58	0.54
1081044	Soil	461.0	1680	1.36	34.26	13.38	61.4	134	29.3	11.7	355	3.18	6.9	2.6	5.3	7.4	23.0	0.18	0.58	0.63
1081045	Soil	446.0	1158	0.89	35.09	7.76	56.1	210	30.6	11.3	476	3.05	7.3	1.5	2.6	4.4	28.7	0.15	0.50	0.53
1081046	Soil	409.0	804.0	2.31	20.29	9.54	82.4	83	24.4	12.6	523	3.38	10.9	0.7	2.8	0.9	26.0	0.32	0.64	0.21
1081047	Soil	410.0	920.0	0.81	27.15	12.23	62.3	221	27.2	10.2	316	3.04	7.1	1.1	8.0	4.8	27.9	0.14	0.53	1.13
1081048	Soil	367.0	818.0	1.25	28.27	16.74	85.2	165	27.7	12.3	780	3.47	8.0	3.1	41.1	8.3	93.8	0.23	0.56	2.97
1081049	Soil	140.0	1352	1.35	28.06	11.40	67.8	65	27.3	12.6	594	2.92	7.5	1.3	10.8	3.2	34.8	0.22	0.51	1.57
1081050 GS-1	Soil	N.A.	N.A.	0.60	20.37	8.87	51.9	34	24.8	11.0	437	2.68	3.8	1.6	<0.2	8.2	79.3	0.07	0.18	0.19
1081051	Soil	315.0	1372	1.52	46.57	33.85	80.6	303	31.9	12.9	434	3.64	10.0	3.8	60.7	8.4	36.7	0.36	0.66	2.78
1081052	Soil	544.0	1286	1.44	32.50	15.79	66.5	166	29.5	12.5	587	3.06	7.6	1.4	7.2	5.8	29.1	0.45	0.43	0.78
1081053	Soil	527.0	1348	1.49	29.84	23.41	79.2	242	29.4	10.8	552	3.06	11.1	1.3	17.5	5.5	27.2	1.72	0.42	0.63
1081054	Soil	460.0	1510	1.65	27.31	14.62	73.8	197	24.3	10.6	430	3.05	8.8	3.5	30.7	7.5	45.6	0.83	0.41	0.94
1081055	Soil	449.0	724.0	1.92	32.38	16.29	74.0	282	27.0	13.2	639	3.08	9.9	3.3	3.6	3.5	37.9	0.24	0.55	0.72
1081056	Soil	258.0	1160	2.24	21.29	16.11	71.2	106	27.1	15.2	844	3.73	12.1	1.6	2.8	6.2	28.4	0.21	0.58	1.40
1081057	Soil	273.0	878.0	2.52	25.61	22.37	78.5	240	26.9	13.5	800	3.12	9.9	3.7	3.7	4.1	36.7	0.49	0.54	0.63
1081058	Soil	284.0	1422	2.20	20.97	15.66	85.0	186	25.4	24.2	1197	4.06	7.0	2.4	6.2	9.9	30.8	0.44	0.59	0.94
1081059	Soil	479.0	1134	2.61	25.72	18.54	62.9	231	28.1	12.6	241	3.26	7.5	2.9	3.1	4.4	22.9	0.35	0.78	0.67
1081060	Soil	294.0	862.0	2.34	31.57	23.64	76.8	282	28.7	12.8	274	2.91	6.5	4.4	4.5	4.4	31.0	0.84	0.73	0.64



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Project: 210800
Report Date: October 18, 2011

Page: 3 of 10 Part 2

CERTIFICATE OF ANALYSIS

WHI11001389.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1081031	Soil	0.53	0.055	15.2	34.9	0.64	184.2	0.124	1	1.87	0.026	0.06	0.6	4.1	0.11	<0.02	27	0.3	<0.02	5.5	2.55
1081032	Soil	0.56	0.062	17.6	36.4	0.66	132.9	0.129	1	1.58	0.030	0.07	0.9	4.2	0.08	<0.02	37	<0.1	0.03	4.9	1.20
1081033	Soil	0.56	0.069	19.5	34.8	0.67	173.9	0.125	1	2.09	0.025	0.08	0.7	4.9	0.18	<0.02	27	0.3	0.10	6.0	2.96
1081034	Soil	0.55	0.067	15.0	42.3	0.75	185.8	0.102	2	2.38	0.021	0.06	0.4	5.0	0.16	0.04	50	0.3	0.04	7.1	2.16
1081035	Soil	0.48	0.056	21.4	41.2	0.72	215.2	0.147	1	2.28	0.018	0.08	0.6	5.4	0.17	<0.02	31	0.3	0.02	6.7	2.14
1081036	Soil	0.34	0.059	10.9	34.3	0.68	145.9	0.073	1	2.16	0.011	0.06	0.5	3.7	0.22	0.02	47	0.3	<0.02	6.7	2.89
1081037	Soil	0.55	0.093	20.6	37.1	0.69	170.1	0.099	4	1.74	0.026	0.08	1.0	5.8	0.13	<0.02	33	0.5	0.07	5.3	2.60
1081038	Soil	0.49	0.049	10.0	36.4	0.74	219.1	0.112	2	2.09	0.017	0.08	0.5	4.6	0.15	<0.02	23	0.1	0.11	6.2	2.95
1081039	Soil	0.46	0.062	23.2	38.2	0.72	186.1	0.101	2	2.09	0.023	0.07	0.7	5.9	0.16	<0.02	36	0.4	0.07	6.1	2.25
1081040	Soil	0.44	0.070	13.0	31.2	0.67	153.7	0.083	3	1.91	0.020	0.06	0.7	3.5	0.10	0.02	32	0.2	0.04	5.4	2.13
1081041	Soil	0.42	0.069	21.2	38.9	0.72	219.0	0.127	3	2.22	0.018	0.08	0.7	6.1	0.17	<0.02	14	0.4	0.03	6.1	2.33
1081042	Soil	0.42	0.065	19.2	36.9	0.70	201.4	0.120	1	2.29	0.017	0.07	0.7	5.3	0.17	<0.02	35	0.5	0.04	6.1	2.56
1081043	Soil	0.37	0.066	17.5	39.4	0.79	155.5	0.098	3	2.52	0.016	0.06	0.4	4.6	0.13	0.02	30	0.4	0.02	6.3	1.76
1081044	Soil	0.38	0.045	12.5	39.5	0.77	177.4	0.110	5	2.30	0.015	0.06	0.4	4.4	0.15	<0.02	26	0.2	0.03	6.1	2.60
1081045	Soil	0.49	0.058	10.6	34.5	0.72	165.1	0.103	2	2.11	0.018	0.06	0.4	4.0	0.10	0.02	28	0.4	<0.02	5.7	1.70
1081046	Soil	0.45	0.053	8.7	36.8	0.58	115.8	0.048	1	1.65	0.017	0.05	0.1	2.8	0.09	0.05	31	0.3	0.04	6.9	1.26
1081047	Soil	0.45	0.056	9.3	32.9	0.73	139.0	0.106	2	2.26	0.017	0.07	0.5	3.9	0.12	0.02	29	0.2	0.06	6.1	2.23
1081048	Soil	0.67	0.071	30.5	35.9	0.86	179.0	0.070	<1	2.28	0.024	0.08	2.1	5.6	0.15	0.03	44	0.4	0.14	6.5	5.44
1081049	Soil	0.62	0.058	9.9	33.6	0.65	139.6	0.085	2	1.66	0.027	0.05	0.7	3.5	0.09	0.04	29	0.3	0.07	5.1	2.79
1081050 GS-1	Soil	3.69	0.044	18.8	21.3	1.08	69.3	0.028	<1	1.26	0.024	0.23	0.1	2.0	0.09	0.03	12	0.2	0.02	3.4	0.99
1081051	Soil	0.57	0.086	23.5	39.0	0.84	191.4	0.115	2	2.13	0.034	0.07	1.4	5.9	0.14	<0.02	32	0.5	0.09	5.9	2.10
1081052	Soil	0.44	0.076	12.6	35.6	0.68	136.6	0.105	2	1.90	0.024	0.07	1.0	3.7	0.10	<0.02	29	0.2	0.03	5.0	1.58
1081053	Soil	0.47	0.048	10.1	31.6	0.70	122.6	0.106	3	1.93	0.021	0.06	0.7	3.3	0.11	<0.02	30	0.3	<0.02	5.2	1.62
1081054	Soil	0.65	0.090	18.4	35.6	0.78	170.2	0.094	2	2.04	0.050	0.06	1.3	4.5	0.11	<0.02	40	0.2	0.05	5.5	1.71
1081055	Soil	0.63	0.089	18.8	36.2	0.72	155.0	0.075	3	1.83	0.033	0.05	0.3	4.2	0.10	0.06	45	0.6	0.03	5.6	1.50
1081056	Soil	0.49	0.070	10.9	34.8	0.68	145.8	0.084	2	1.87	0.024	0.06	0.6	3.4	0.13	0.03	29	0.3	0.06	5.8	1.64
1081057	Soil	0.67	0.097	15.5	37.7	0.69	172.8	0.061	3	1.93	0.024	0.05	0.5	4.4	0.12	0.06	36	0.5	0.06	5.9	2.01
1081058	Soil	0.57	0.080	14.9	34.4	0.70	174.0	0.101	2	1.89	0.023	0.06	0.8	4.4	0.14	0.03	44	0.4	0.07	5.7	2.12
1081059	Soil	0.35	0.072	13.3	42.3	0.77	129.6	0.064	1	2.36	0.017	0.05	0.2	4.6	0.12	0.04	53	0.4	0.04	6.3	1.66
1081060	Soil	0.48	0.084	18.5	46.9	0.82	137.0	0.071	4	2.12	0.029	0.07	0.2	5.1	0.11	0.06	37	0.6	0.05	6.5	1.56



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Project: 210800

Report Date: October 18, 2011

Page: 3 of 10 Part 3

CERTIFICATE OF ANALYSIS

WHI11001389.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1081031	Soil	<0.1	0.11	1.20	11.7	0.9	<0.05	5.4	6.92	41.1	0.03	<1	0.3	10.8	<10	<2	8.6
1081032	Soil	<0.1	0.08	0.76	7.9	0.6	<0.05	5.0	8.25	34.6	<0.02	<1	0.4	8.9	<10	<2	5.8
1081033	Soil	<0.1	0.12	1.42	13.5	1.2	<0.05	6.7	9.29	39.1	0.03	<1	0.5	12.6	<10	<2	8.5
1081034	Soil	<0.1	0.06	1.59	13.2	1.2	<0.05	3.3	6.93	30.0	0.05	<1	0.3	14.4	<10	<2	15.0
1081035	Soil	<0.1	0.20	1.29	16.1	1.2	<0.05	9.1	8.96	38.5	0.03	<1	0.3	15.6	<10	<2	7.6
1081036	Soil	<0.1	0.07	1.26	8.9	1.2	<0.05	2.9	6.07	21.3	0.02	<1	0.4	13.8	<10	<2	11.9
1081037	Soil	<0.1	0.12	0.92	13.4	1.0	<0.05	7.8	12.61	41.1	0.03	<1	0.6	13.6	<10	<2	6.7
1081038	Soil	<0.1	0.07	1.39	15.5	1.2	<0.05	4.7	5.07	29.9	0.03	<1	0.4	16.3	<10	<2	9.2
1081039	Soil	<0.1	0.12	1.49	16.8	1.8	<0.05	7.8	12.21	47.3	0.02	<1	0.4	15.1	<10	<2	I.S.
1081040	Soil	<0.1	0.05	1.25	9.6	0.8	<0.05	3.2	6.82	27.3	0.02	<1	0.3	14.3	<10	<2	10.9
1081041	Soil	<0.1	0.17	1.27	19.3	2.1	<0.05	10.1	11.51	42.8	<0.02	<1	0.3	15.7	<10	<2	7.1
1081042	Soil	<0.1	0.13	1.53	12.7	1.5	<0.05	8.4	9.42	38.8	0.03	<1	0.4	15.2	<10	<2	8.1
1081043	Soil	<0.1	0.09	1.10	10.5	1.0	<0.05	4.2	8.29	36.1	0.02	<1	0.6	15.8	<10	<2	9.8
1081044	Soil	<0.1	0.07	1.31	11.4	1.0	<0.05	4.3	5.51	26.4	0.02	<1	0.7	18.6	<10	<2	8.6
1081045	Soil	<0.1	0.07	1.18	9.5	0.7	<0.05	4.1	5.72	24.7	0.02	<1	0.4	15.8	<10	<2	9.9
1081046	Soil	<0.1	0.02	0.81	10.4	1.1	<0.05	1.3	4.68	21.6	0.02	<1	0.4	14.2	<10	<2	15.6
1081047	Soil	<0.1	0.08	1.43	10.8	0.7	<0.05	4.2	5.01	20.9	0.02	<1	0.4	16.8	<10	<2	11.0
1081048	Soil	<0.1	0.04	1.09	12.3	1.6	<0.05	3.3	12.13	62.9	0.03	<1	0.8	18.7	<10	<2	13.1
1081049	Soil	<0.1	0.04	1.11	8.3	0.8	<0.05	3.1	5.62	34.4	0.02	<1	0.3	13.8	<10	<2	13.2
1081050 GS-1	Soil	<0.1	<0.02	0.68	15.1	0.7	<0.05	1.3	7.51	40.1	<0.02	<1	0.2	30.0	<10	<2	8.2
1081051	Soil	<0.1	0.14	1.48	12.2	0.9	<0.05	9.3	13.46	39.9	0.02	<1	0.4	16.1	<10	<2	8.5
1081052	Soil	<0.1	0.08	1.04	10.3	0.7	<0.05	4.7	6.65	27.8	0.02	<1	0.2	12.7	<10	<2	7.3
1081053	Soil	<0.1	0.07	1.17	10.3	0.9	<0.05	4.5	4.92	23.4	0.04	1	0.5	14.4	<10	<2	9.0
1081054	Soil	<0.1	0.06	1.04	11.3	0.9	<0.05	3.9	8.80	35.8	0.03	<1	0.4	13.8	<10	<2	8.2
1081055	Soil	<0.1	0.03	1.37	10.1	0.7	<0.05	2.6	9.44	34.5	<0.02	<1	0.5	13.2	<10	<2	18.5
1081056	Soil	<0.1	0.04	1.59	11.2	0.9	<0.05	3.1	5.15	25.6	0.02	<1	0.6	15.3	<10	<2	13.7
1081057	Soil	<0.1	0.04	1.18	9.7	0.8	<0.05	2.2	7.75	27.8	0.03	<1	0.4	14.6	<10	<2	18.3
1081058	Soil	<0.1	0.07	1.67	12.2	1.0	<0.05	4.6	7.69	31.8	0.03	2	0.6	15.2	<10	<2	11.8
1081059	Soil	<0.1	0.05	1.30	6.7	0.8	<0.05	3.1	6.46	27.0	0.02	<1	0.6	15.3	<10	<2	16.2
1081060	Soil	<0.1	0.04	1.35	12.7	1.0	<0.05	3.3	9.31	37.5	0.02	<1	0.6	15.4	<10	<2	17.8



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Project: 210800

Report Date: October 18, 2011

Page: 4 of 10 Part 1

CERTIFICATE OF ANALYSIS

WHI11001389.1

	Method Analyte	Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
			-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb
			g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm
			0	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
1081061	Soil		339.0	1170	2.84	27.50	33.71	78.9	378	31.0	14.5	705	3.43	7.7	2.9	3.8	4.9	44.3	0.74	0.56
1081062	Soil		284.0	1184	3.42	28.89	29.49	79.1	433	32.2	15.4	781	3.57	8.4	3.7	6.2	4.9	45.9	0.85	0.67
1081063	Soil		381.0	944.0	1.78	27.99	10.35	68.1	122	25.9	12.4	584	2.96	11.1	1.0	4.1	1.1	24.2	0.27	0.58
1081064	Soil		86.00	1442	1.79	37.39	20.21	75.7	226	27.2	12.0	588	3.38	9.0	2.9	9.8	8.6	39.0	0.36	0.62
1081065	Soil		327.0	1140	1.47	29.30	28.77	65.4	296	27.8	11.7	528	3.23	9.4	1.2	2.1	3.2	33.7	0.31	0.52
1081066	Soil		218.0	1656	0.85	45.22	25.32	66.7	476	24.8	9.3	368	3.09	6.9	2.0	2.9	5.4	43.8	0.47	0.69
1081067	Soil		349.0	1492	1.70	49.73	17.90	64.0	348	26.7	14.2	531	3.84	12.1	3.8	3.4	7.1	33.1	0.38	1.33
1081068	Soil		284.0	1342	2.01	26.15	19.12	50.9	160	24.5	9.7	167	3.69	27.4	2.1	4.5	9.8	20.5	0.16	2.51
1081069	Soil		293.0	1192	2.10	35.18	9.74	60.0	134	28.5	14.0	657	3.50	10.0	4.2	3.7	6.9	31.7	0.11	0.60
1081070 Agi Dag A	Soil		N.A.	N.A.	71.95	17.35	68.81	17.7	49	9.4	2.3	87	3.46	91.4	0.6	447.6	3.2	10.6	0.02	3.51
1081071	Soil		156.0	1158	1.74	39.88	10.26	66.7	159	31.0	13.0	345	3.67	10.9	5.9	4.2	9.0	29.9	0.18	0.60
1081072	Soil		331.0	1504	1.51	38.84	9.61	61.2	128	27.9	13.2	513	3.27	26.3	5.3	6.9	7.9	38.7	0.19	0.47
1081073	Soil		226.0	608.0	2.47	29.18	9.05	86.1	77	33.6	17.6	765	3.48	11.4	1.2	1.9	0.9	36.4	0.25	0.99
1081074	Soil		479.0	850.0	1.74	27.63	8.58	77.2	56	44.3	18.1	578	3.72	13.5	0.9	3.9	2.8	28.6	0.22	0.87
1081075	Soil		440.0	752.0	2.11	29.12	9.65	81.3	75	37.7	16.8	670	3.75	11.9	0.9	1.4	1.2	34.7	0.26	0.90
1081076	Soil		163.0	428.0	1.60	28.59	7.49	86.3	74	26.8	13.4	548	2.64	9.8	0.8	4.3	0.8	46.5	0.33	0.68
1081077	Soil		306.0	612.0	2.02	27.96	9.92	77.5	142	27.1	17.1	688	3.29	12.4	1.3	4.1	0.9	34.1	0.22	0.68
1081078	Soil		313.0	624.0	2.19	20.63	13.72	80.2	194	21.8	14.4	764	3.10	9.5	0.7	2.8	1.4	28.1	0.27	0.71
1081079	Soil		308.0	1494	22.27	56.08	114.8	96.2	4910	22.8	18.7	695	4.12	11.1	2.9	4.8	12.2	30.0	0.72	2.04
1081080	Soil		341.0	1172	1.76	26.02	23.46	71.2	215	29.1	14.2	613	3.35	8.3	1.4	6.6	4.1	30.7	0.47	0.70
1081081	Soil		130.0	1172	5.73	35.94	25.29	87.6	365	28.1	26.4	2904	3.97	15.6	5.3	4.7	4.6	46.4	0.96	0.94
1081082	Soil		200.0	778.0	4.86	36.25	23.63	93.0	323	30.2	21.4	2233	3.69	13.4	4.9	3.0	4.0	45.2	0.86	0.90
1081083	Soil		156.0	540.0	3.37	33.69	21.15	88.4	382	29.1	14.8	692	3.17	10.4	4.6	4.0	2.6	43.5	0.56	0.77
1081084	Soil		554.0	866.0	2.88	26.78	9.36	74.5	71	27.1	17.5	848	3.45	10.8	1.0	2.7	0.9	31.5	0.16	0.84
1081085	Soil		166.0	1682	0.82	49.31	16.44	67.7	257	24.7	12.7	267	3.32	5.4	5.1	2.6	18.3	29.4	0.20	0.60
1081086	Soil		180.0	1574	2.77	59.84	19.36	54.4	480	22.1	9.0	279	3.08	9.7	5.2	5.9	14.3	23.2	0.19	2.67
1081087	Soil		226.0	958.0	1.41	29.65	7.28	62.8	40	32.2	14.3	672	3.21	8.5	1.2	3.3	2.9	32.7	0.13	0.60
1081088	Soil		198.0	604.0	1.92	34.74	8.79	93.5	75	32.6	17.5	604	3.30	14.0	1.0	2.9	1.0	35.2	0.30	0.88
1081089	Soil		120.0	1484	1.25	50.17	8.79	82.7	126	30.9	13.4	542	3.30	9.4	4.7	5.7	8.0	56.5	0.22	0.60
1081090 Agi Dag B	Soil		N.A.	N.A.	2.82	8.54	26.15	18.0	11	10.6	3.5	88	3.59	62.1	0.8	87.0	4.4	32.4	0.02	0.94



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Page: 4 of 10 Part 2

CERTIFICATE OF ANALYSIS

WHI11001389.1

		Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
			Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
			%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
			0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1081061	Soil	0.69	0.062	12.6	60.5	1.03	149.3	0.073	<1	2.18	0.052	0.06	0.6	4.7	0.08	0.03	33	0.2	0.03	5.9	1.82	
1081062	Soil	0.66	0.060	13.9	60.9	1.05	162.1	0.068	1	2.18	0.045	0.06	0.6	4.9	0.10	0.03	51	0.2	0.07	5.7	2.00	
1081063	Soil	0.39	0.055	7.8	31.8	0.62	110.6	0.049	1	1.54	0.025	0.05	0.3	2.4	0.07	0.04	37	0.5	0.02	5.0	1.21	
1081064	Soil	0.50	0.051	13.5	31.3	0.74	244.2	0.084	1	1.82	0.029	0.07	1.0	4.0	0.14	<0.02	34	0.4	0.09	5.7	3.79	
1081065	Soil	0.44	0.045	8.2	36.0	0.70	133.8	0.094	3	1.87	0.018	0.07	0.4	3.8	0.09	0.02	42	0.3	0.05	5.6	3.00	
1081066	Soil	0.62	0.077	17.8	39.9	0.72	145.0	0.112	1	1.93	0.029	0.10	0.2	6.0	0.12	<0.02	29	0.2	0.03	5.4	2.23	
1081067	Soil	0.43	0.075	22.7	36.8	0.75	174.9	0.080	2	2.15	0.017	0.06	0.4	6.0	0.13	0.02	34	0.5	0.05	6.2	2.60	
1081068	Soil	0.32	0.065	11.6	35.8	0.67	132.9	0.076	2	2.29	0.011	0.06	0.3	4.2	0.12	0.02	20	0.3	0.04	5.9	2.50	
1081069	Soil	0.49	0.059	13.5	41.5	0.76	174.5	0.087	2	2.44	0.020	0.05	0.2	5.7	0.13	0.02	26	0.4	<0.02	6.0	1.98	
1081070 Agi Dagi A	Soil	0.03	0.023	6.9	15.1	0.11	50.9	0.008	1	0.94	<0.001	0.05	0.3	1.5	0.18	<0.02	40	7.4	3.44	4.0	0.86	
1081071	Soil	0.49	0.084	20.9	45.1	0.81	208.4	0.097	2	2.52	0.019	0.06	0.2	6.8	0.16	0.03	46	0.6	0.03	6.6	1.97	
1081072	Soil	0.66	0.063	14.4	37.4	0.75	177.0	0.124	2	2.11	0.028	0.06	0.3	4.8	0.12	<0.02	27	0.4	0.07	6.1	1.81	
1081073	Soil	0.66	0.072	11.4	40.3	0.72	140.9	0.047	3	1.96	0.026	0.05	0.2	2.7	0.10	0.07	37	0.3	0.06	6.1	1.16	
1081074	Soil	0.44	0.034	10.1	43.5	0.86	124.8	0.090	2	2.70	0.022	0.05	0.2	3.7	0.10	0.03	22	0.3	0.08	5.9	1.01	
1081075	Soil	0.63	0.056	10.8	42.0	0.73	145.7	0.074	2	2.06	0.021	0.06	0.1	3.4	0.09	0.06	50	0.4	0.08	6.6	1.43	
1081076	Soil	0.90	0.065	10.7	34.1	0.64	135.3	0.056	3	1.36	0.039	0.06	0.1	3.0	0.09	0.08	78	0.6	0.02	4.4	0.81	
1081077	Soil	0.56	0.070	10.2	38.1	0.63	135.8	0.057	2	1.79	0.029	0.04	0.2	2.9	0.10	0.06	57	0.5	0.08	5.6	1.10	
1081078	Soil	0.38	0.048	8.9	33.1	0.58	122.9	0.072	2	1.62	0.032	0.05	0.2	2.6	0.09	0.03	33	0.3	0.06	5.8	1.24	
1081079	Soil	0.53	0.070	19.7	34.6	0.68	155.0	0.080	2	2.12	0.019	0.07	0.7	3.9	0.17	<0.02	44	0.4	0.15	6.1	2.67	
1081080	Soil	0.44	0.046	11.7	39.1	0.68	131.7	0.108	2	1.70	0.026	0.06	0.7	3.3	0.10	0.03	23	0.2	0.06	5.7	1.45	
1081081	Soil	0.87	0.093	28.5	37.2	0.68	215.8	0.066	2	1.90	0.024	0.06	0.7	4.3	0.17	0.08	44	0.7	0.08	5.7	1.92	
1081082	Soil	0.85	0.087	25.4	38.4	0.71	221.7	0.069	2	2.00	0.028	0.06	0.5	4.3	0.17	0.07	58	0.5	0.08	5.9	2.10	
1081083	Soil	0.84	0.093	24.7	41.0	0.70	186.4	0.052	2	1.96	0.022	0.06	0.5	3.9	0.13	0.09	67	0.7	0.04	5.7	1.82	
1081084	Soil	0.52	0.066	10.7	39.7	0.64	133.6	0.055	2	1.71	0.020	0.04	0.2	2.7	0.10	0.05	40	0.3	0.07	6.2	1.19	
1081085	Soil	0.47	0.060	26.4	43.2	0.80	192.2	0.150	1	2.34	0.022	0.09	0.5	6.7	0.20	<0.02	41	0.2	0.08	7.4	3.19	
1081086	Soil	0.35	0.054	31.7	32.9	0.62	150.0	0.072	1	1.97	0.015	0.08	0.8	5.6	0.16	<0.02	43	0.3	0.09	5.5	3.28	
1081087	Soil	0.57	0.047	11.0	36.5	0.72	157.3	0.100	2	1.80	0.021	0.07	0.7	3.6	0.13	0.04	28	0.3	0.05	5.4	2.24	
1081088	Soil	0.59	0.056	12.2	40.7	0.79	143.9	0.055	2	1.78	0.037	0.05	0.2	3.2	0.08	0.06	60	0.4	0.07	5.6	1.04	
1081089	Soil	0.56	0.081	25.0	36.7	0.75	205.4	0.116	1	1.83	0.032	0.09	1.2	4.3	0.18	<0.02	28	0.3	0.06	5.6	2.47	
1081090 Agi Dagi B	Soil	0.04	0.019	8.5	21.9	0.12	70.1	0.020	2	1.11	0.004	0.07	0.1	2.2	0.10	0.03	33	2.4	0.44	8.7	0.85	



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Report Date: October 18, 2011

Page: 4 of 10 Part 3

CERTIFICATE OF ANALYSIS

WHI11001389.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1081061	Soil	<0.1	0.05	0.97	8.0	0.7	<0.05	2.7	6.55	30.7	0.03	<1	0.7	15.7	<10	<2
1081062	Soil	<0.1	0.03	1.01	9.1	1.1	<0.05	2.5	7.21	33.3	0.03	<1	0.6	17.0	<10	<2
1081063	Soil	<0.1	0.03	0.79	7.7	0.6	<0.05	1.4	4.53	20.3	0.02	<1	0.3	12.3	<10	<2
1081064	Soil	<0.1	0.05	0.97	12.0	1.1	<0.05	3.2	6.50	34.6	0.04	<1	0.6	16.2	<10	<2
1081065	Soil	<0.1	0.07	1.07	10.6	0.8	<0.05	3.0	4.37	23.1	0.03	<1	0.4	13.4	<10	<2
1081066	Soil	<0.1	0.14	0.64	13.5	0.8	<0.05	9.2	12.27	30.7	0.03	<1	0.5	15.3	<10	<2
1081067	Soil	<0.1	0.06	1.08	13.8	1.2	<0.05	3.5	12.13	43.3	0.04	<1	0.6	16.7	<10	<2
1081068	Soil	<0.1	0.06	1.26	9.7	0.8	<0.05	4.1	5.85	23.4	0.03	<1	0.3	13.3	<10	<2
1081069	Soil	<0.1	0.06	1.02	9.3	0.8	<0.05	3.6	8.01	30.1	0.03	<1	0.4	14.5	<10	<2
1081070 Agi Dagi A	Soil	<0.1	<0.02	0.40	8.8	2.9	<0.05	0.7	1.39	15.5	0.07	2	0.3	6.2	<10	6
1081071	Soil	<0.1	0.04	1.39	14.0	0.8	<0.05	4.1	12.09	41.0	0.03	<1	0.6	18.1	<10	<2
1081072	Soil	<0.1	0.09	1.41	9.9	1.1	<0.05	6.0	7.18	29.9	0.02	<1	0.3	16.0	<10	<2
1081073	Soil	<0.1	0.02	0.86	8.7	0.6	<0.05	1.3	6.33	28.5	0.04	<1	0.3	12.6	<10	<2
1081074	Soil	<0.1	0.06	1.20	7.1	0.7	<0.05	4.1	5.45	30.9	0.04	<1	0.6	14.8	<10	<2
1081075	Soil	<0.1	0.04	1.02	10.0	0.7	<0.05	1.8	5.83	30.3	0.03	<1	0.4	15.2	<10	<2
1081076	Soil	<0.1	0.04	0.98	8.9	0.6	<0.05	2.1	6.34	21.9	0.03	<1	0.2	9.1	<10	<2
1081077	Soil	<0.1	0.03	1.02	7.9	0.5	<0.05	1.5	5.55	21.5	0.03	<1	0.3	12.6	<10	<2
1081078	Soil	<0.1	0.04	0.96	7.5	0.8	<0.05	1.9	4.22	19.4	0.03	<1	0.5	11.3	<10	<2
1081079	Soil	<0.1	0.09	1.25	13.9	1.2	<0.05	3.7	7.75	37.8	0.04	<1	0.5	11.7	<10	<2
1081080	Soil	<0.1	0.05	1.15	9.8	0.7	<0.05	3.2	4.96	26.3	<0.02	<1	0.3	13.2	<10	<2
1081081	Soil	<0.1	0.07	1.36	10.7	1.9	<0.05	2.3	11.83	51.0	0.03	<1	0.8	12.8	<10	<2
1081082	Soil	0.1	0.05	1.37	10.8	1.8	<0.05	2.1	11.59	45.0	0.03	<1	0.5	13.2	<10	<2
1081083	Soil	<0.1	0.08	1.27	10.7	1.9	<0.05	2.6	12.30	37.7	0.03	<1	0.5	13.4	<10	<2
1081084	Soil	<0.1	0.02	0.86	8.6	0.9	<0.05	1.3	5.00	22.5	0.04	<1	0.4	11.2	<10	<2
1081085	Soil	<0.1	0.27	1.19	19.5	1.6	<0.05	11.1	12.27	50.6	0.04	<1	0.5	16.7	<10	<2
1081086	Soil	<0.1	0.10	1.06	16.4	1.1	<0.05	6.2	13.37	56.0	0.03	<1	0.6	10.6	<10	<2
1081087	Soil	<0.1	0.06	1.25	11.3	0.7	<0.05	2.6	5.71	33.2	0.03	<1	0.3	12.8	<10	<2
1081088	Soil	<0.1	0.03	0.82	7.0	1.3	<0.05	1.8	6.50	25.4	0.02	<1	0.5	11.7	<10	<2
1081089	Soil	<0.1	0.10	1.15	15.1	1.0	<0.05	4.7	9.63	48.5	0.03	<1	0.4	14.3	<10	<2
1081090 Agi Dagi B	Soil	<0.1	0.12	0.50	9.6	0.6	<0.05	7.0	2.62	18.1	<0.02	<1	0.2	5.7	<10	<2



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Project: 210800
Report Date: October 18, 2011

Page: 5 of 10 Part 1

CERTIFICATE OF ANALYSIS

WHI11001389.1

Method Analyte Unit MDL		SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1081091	Soil	320.0	1344	1.16	39.38	8.49	73.4	74	37.3	14.3	676	3.21	10.5	1.4	2.9	5.5	34.4	0.29	0.61	1.00
1081092	Soil	112.0	716.0	3.10	29.62	13.64	57.9	334	22.8	13.6	802	4.54	37.7	3.3	2.7	3.1	32.5	0.17	0.98	0.89
1081093	Soil	202.0	1188	2.14	29.75	20.24	90.6	267	27.6	18.2	574	3.92	12.7	3.4	6.8	10.9	33.2	0.39	0.61	1.25
1081094	Soil	328.0	1416	2.07	34.37	24.62	86.0	325	30.0	13.2	297	3.22	8.6	3.3	8.0	9.1	33.8	0.57	0.67	1.06
1081095	Soil	246.0	1476	0.62	50.63	5.70	61.0	49	41.3	14.0	461	3.09	6.4	0.5	6.2	2.8	35.0	0.12	0.41	0.07
1081096	Soil	220.0	968.0	1.58	34.38	7.68	68.0	89	47.0	20.8	495	3.89	11.4	0.8	2.2	2.3	25.7	0.28	0.64	0.13
1081097	Soil	400.0	1060	0.73	39.02	5.31	57.2	7	42.0	21.1	324	3.47	7.7	0.5	6.2	2.5	40.1	0.15	0.40	0.07
1081098	Soil	344.0	604.0	1.56	41.24	7.10	61.6	199	30.8	17.4	506	2.80	8.8	0.9	2.9	0.8	37.2	0.27	0.65	0.12
1081099	Soil	416.0	1656	0.78	61.86	6.27	75.5	68	59.6	15.7	545	3.43	10.0	0.6	1.5	3.1	33.6	0.24	0.45	0.09
1081100	Soil	286.0	1088	1.08	36.88	7.44	75.8	102	39.1	14.9	270	2.95	6.8	1.1	3.2	2.7	39.0	0.16	0.57	0.11
1081101	Soil	286.0	450.0	0.95	42.89	6.66	36.5	186	32.5	13.2	265	2.31	5.9	0.9	5.5	0.5	33.9	0.21	0.70	0.11
1081102	Soil	326.0	748.0	0.79	60.06	7.44	68.1	149	57.5	20.0	550	3.05	15.7	1.5	2.7	1.6	37.9	0.30	0.97	0.12
1081103	Soil	202.0	1800	0.57	53.44	7.15	73.7	105	47.1	14.0	363	3.16	6.6	0.5	1.5	4.0	45.3	0.21	0.51	0.09
1081104	Soil	342.0	1132	0.99	45.17	7.06	76.0	125	40.8	15.6	432	3.28	9.8	0.8	2.4	2.4	34.6	0.14	0.55	0.11
1081105	Soil	252.0	1267	0.61	44.15	5.97	66.9	27	44.9	15.0	541	3.12	8.3	0.7	2.6	3.5	40.2	0.08	0.46	0.08
1081106	Soil	302.0	1576	0.84	39.03	7.09	66.1	79	38.1	14.3	373	3.12	7.2	0.8	2.1	2.9	35.7	0.13	0.44	0.10
1081107	Soil	454.0	1066	1.09	35.86	6.66	71.2	79	36.6	15.9	497	3.13	7.8	0.8	2.2	2.4	35.7	0.16	0.47	0.12
1081108	Soil	234.0	818.0	1.39	37.07	7.39	47.8	120	32.6	11.9	295	3.00	42.6	0.8	6.5	1.3	32.8	0.11	0.63	0.29
1081109	Soil	362.0	1626	1.07	30.73	7.38	71.2	64	27.0	15.0	590	3.40	8.4	1.0	2.9	6.5	45.8	0.14	0.41	0.13
1081110 Agi Dagi A	Soil	N.A.	N.A.	72.84	17.64	71.87	18.8	41	9.5	2.5	91	3.50	86.4	0.5	406.5	3.0	11.1	0.05	3.84	22.03
1081111	Soil	208.0	904.0	2.03	29.83	8.22	81.0	149	33.7	15.4	690	3.49	12.5	1.4	4.5	3.1	39.4	0.18	0.58	0.20
1081112	Soil	182.0	444.0	1.74	41.13	6.51	56.0	145	28.1	15.1	595	2.47	8.9	0.8	2.9	0.9	40.9	0.23	0.53	0.15
1081113	Soil	362.0	638.0	1.08	34.35	6.50	60.6	118	35.5	15.3	467	2.61	6.4	0.8	3.7	1.3	41.3	0.22	0.51	0.13
1081114	Soil	220.0	378.0	1.03	26.36	7.00	61.4	105	29.1	14.1	499	2.74	6.5	0.9	2.9	1.4	35.1	0.12	0.41	0.14
1081115	Soil	190.0	1106	1.40	31.04	7.35	119.1	153	20.6	11.3	523	2.64	51.7	4.9	4.3	6.9	47.7	1.60	0.58	0.25
1081116	Soil	130.0	368.0	1.44	24.21	5.13	39.1	109	19.0	7.8	197	2.11	8.2	1.4	1.8	0.6	34.1	0.25	0.59	0.13
1081117	Soil	184.0	612.0	1.66	20.57	21.59	61.5	162	19.5	7.4	200	3.20	26.5	0.8	1.5	1.9	21.8	0.80	0.62	0.19
1081118	Soil	490.0	746.0	1.59	20.73	8.57	73.6	62	25.5	15.2	509	3.66	9.2	0.7	3.0	1.6	22.5	0.24	0.64	0.17
1081119	Soil	234.0	492.0	1.97	20.31	8.25	46.4	100	21.6	8.5	195	3.07	12.3	1.2	2.8	1.9	22.7	0.43	0.57	0.15
1081120	Soil	272.0	540.0	1.62	21.96	29.45	93.2	415	18.5	10.2	305	2.90	111.0	2.3	2.1	3.3	41.2	0.80	0.63	0.26



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210800

Report Date:

October 18, 2011

Page:

5 of 10

Part 2

CERTIFICATE OF ANALYSIS

WHI11001389.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1081091	Soil	0.55	0.048	11.9	37.5	0.71	157.6	0.126	2	1.72	0.033	0.07	1.3	3.5	0.13	0.02	25	0.3	0.05	5.6	1.72
1081092	Soil	0.57	0.083	17.1	32.9	0.58	126.0	0.059	2	1.79	0.032	0.05	0.3	3.8	0.11	0.06	74	0.7	0.10	5.3	1.57
1081093	Soil	0.54	0.080	23.3	39.0	0.76	193.0	0.120	2	2.07	0.029	0.08	0.8	4.9	0.20	0.02	36	0.4	0.08	6.5	2.25
1081094	Soil	0.55	0.072	24.4	39.3	0.77	183.5	0.107	2	2.05	0.028	0.08	0.9	5.0	0.16	0.02	40	0.4	0.11	6.5	1.79
1081095	Soil	0.74	0.081	15.0	52.0	0.95	185.6	0.132	2	2.01	0.042	0.10	0.1	6.2	0.10	<0.02	25	0.2	0.07	5.5	0.97
1081096	Soil	0.39	0.060	11.4	51.0	0.88	177.9	0.099	2	2.79	0.024	0.07	<0.1	4.4	0.10	<0.02	20	0.4	0.09	7.0	1.07
1081097	Soil	0.72	0.054	8.8	46.7	1.11	282.8	0.154	2	3.53	0.092	0.07	<0.1	7.3	0.07	<0.02	17	0.2	0.08	7.4	1.11
1081098	Soil	0.68	0.063	10.3	37.2	0.56	158.5	0.065	2	1.96	0.030	0.05	0.1	4.1	0.10	0.06	47	0.8	0.06	6.7	1.30
1081099	Soil	0.70	0.086	12.8	57.5	1.07	186.0	0.133	3	2.49	0.044	0.09	0.1	6.5	0.12	<0.02	27	0.4	0.05	6.0	1.05
1081100	Soil	0.75	0.072	14.2	51.4	0.87	194.2	0.121	3	2.24	0.039	0.06	0.1	5.5	0.10	0.02	47	0.4	0.04	6.6	0.97
1081101	Soil	0.68	0.064	13.7	33.7	0.40	176.7	0.051	2	1.48	0.034	0.05	0.1	3.5	0.09	0.05	55	0.5	0.07	4.9	1.18
1081102	Soil	0.81	0.063	14.1	49.5	0.84	241.2	0.083	2	2.13	0.035	0.07	0.1	5.7	0.11	0.04	59	0.6	0.04	6.7	1.20
1081103	Soil	0.81	0.097	15.8	54.7	1.00	214.5	0.141	2	2.06	0.049	0.16	<0.1	6.4	0.16	<0.02	28	0.1	0.05	6.2	1.43
1081104	Soil	0.58	0.065	15.8	47.9	0.80	206.5	0.104	2	2.31	0.036	0.07	<0.1	5.7	0.11	<0.02	35	0.5	0.03	6.3	1.09
1081105	Soil	0.68	0.085	16.6	53.7	0.96	327.2	0.140	2	2.17	0.043	0.11	<0.1	5.9	0.13	<0.02	25	0.4	0.04	6.3	1.13
1081106	Soil	0.60	0.082	14.3	51.8	0.86	190.1	0.115	2	2.30	0.035	0.07	0.1	5.3	0.11	<0.02	38	0.2	0.06	6.3	1.09
1081107	Soil	0.63	0.074	13.2	48.6	0.82	178.1	0.110	2	2.07	0.038	0.07	0.1	4.6	0.12	<0.02	33	0.4	0.07	6.3	1.12
1081108	Soil	0.57	0.054	11.3	42.9	0.56	137.8	0.076	2	2.15	0.029	0.04	0.1	3.9	0.10	0.04	39	0.6	0.11	6.2	0.99
1081109	Soil	0.68	0.052	11.1	46.1	1.05	224.1	0.163	2	2.02	0.021	0.11	0.3	5.2	0.21	0.03	14	0.3	<0.02	6.7	2.09
1081110 Agi Dagi A	Soil	0.03	0.020	7.7	15.6	0.11	54.0	0.009	1	0.98	<0.001	0.05	0.4	1.7	0.19	<0.02	28	7.7	3.88	4.1	0.90
1081111	Soil	0.88	0.068	11.3	46.3	0.74	196.9	0.105	2	2.09	0.025	0.07	0.2	4.7	0.13	0.04	45	0.5	<0.02	6.7	1.49
1081112	Soil	0.90	0.063	9.1	35.6	0.56	128.2	0.066	2	1.62	0.026	0.05	0.4	3.3	0.08	0.06	44	0.5	<0.02	5.6	1.02
1081113	Soil	0.94	0.064	10.6	47.0	0.72	169.3	0.078	2	1.89	0.031	0.05	0.2	4.6	0.10	0.04	39	0.3	<0.02	5.9	1.24
1081114	Soil	0.71	0.063	10.0	42.6	0.71	148.2	0.086	2	1.83	0.031	0.05	<0.1	4.1	0.11	0.04	44	0.5	<0.02	5.8	0.96
1081115	Soil	0.83	0.061	18.4	30.5	0.60	171.4	0.119	2	1.55	0.033	0.09	1.0	3.6	0.18	0.03	36	0.6	<0.02	5.3	2.50
1081116	Soil	0.55	0.064	12.3	26.6	0.32	108.8	0.050	2	1.08	0.030	0.04	0.1	2.4	0.07	0.09	56	0.7	<0.02	3.7	1.09
1081117	Soil	0.24	0.028	6.0	31.5	0.39	81.6	0.102	1	1.53	0.014	0.03	0.2	2.5	0.12	0.03	35	0.4	<0.02	7.7	1.11
1081118	Soil	0.38	0.030	7.5	38.0	0.46	92.0	0.090	1	2.01	0.029	0.03	0.1	2.7	0.09	0.02	38	0.4	<0.02	7.4	2.00
1081119	Soil	0.28	0.034	7.3	33.3	0.38	74.0	0.072	1	1.54	0.020	0.03	0.2	2.7	0.11	0.05	56	0.6	<0.02	6.7	1.56
1081120	Soil	0.38	0.039	11.1	30.3	0.42	134.8	0.059	1	1.70	0.027	0.03	0.1	3.1	0.11	0.03	46	0.4	<0.02	5.8	1.82



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Project: 210800
Report Date: October 18, 2011

Page: 5 of 10 Part 3

CERTIFICATE OF ANALYSIS

WHI11001389.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1081091	Soil	<0.1	0.08	1.22	10.9	1.1	<0.05	3.6	5.67	35.8	0.03	<1	0.4	13.2	<10	<2	9.1
1081092	Soil	<0.1	0.04	1.05	8.8	0.8	<0.05	2.1	7.90	31.2	0.03	<1	0.5	10.1	<10	<2	19.4
1081093	Soil	<0.1	0.09	1.71	16.1	0.9	<0.05	5.0	9.81	45.9	0.03	<1	0.6	14.6	<10	<2	10.3
1081094	Soil	<0.1	0.06	1.68	16.0	1.3	<0.05	5.2	11.27	45.7	0.03	<1	0.4	15.3	<10	<2	10.5
1081095	Soil	<0.1	0.13	0.45	9.2	0.9	<0.05	7.4	15.10	27.3	0.02	<1	0.5	12.5	<10	<2	5.2
1081096	Soil	<0.1	0.09	1.29	8.9	0.9	<0.05	4.4	6.90	25.7	0.03	<1	0.5	13.6	<10	<2	12.1
1081097	Soil	<0.1	0.18	1.30	5.8	0.6	<0.05	8.3	6.24	23.5	0.03	<1	0.4	17.2	<10	<2	9.3
1081098	Soil	<0.1	0.06	1.17	7.7	0.6	<0.05	2.1	6.69	22.4	<0.02	<1	0.4	11.2	<10	<2	24.8
1081099	Soil	<0.1	0.13	0.88	9.3	0.7	<0.05	7.2	10.02	35.3	0.03	<1	0.5	15.3	13	<2	7.3
1081100	Soil	<0.1	0.11	1.52	8.8	0.9	<0.05	6.6	9.43	29.8	0.03	<1	0.4	12.6	<10	<2	11.5
1081101	Soil	<0.1	0.04	1.03	8.0	0.5	<0.05	1.7	11.32	25.7	<0.02	<1	0.4	5.6	<10	<2	24.9
1081102	Soil	<0.1	0.07	1.28	10.1	0.7	<0.05	3.4	12.65	28.2	0.03	<1	0.4	15.5	<10	<2	19.3
1081103	Soil	0.1	0.22	0.43	18.0	1.2	<0.05	10.3	12.38	30.0	0.03	<1	0.4	11.9	11	<2	5.3
1081104	Soil	<0.1	0.08	1.04	9.3	0.7	<0.05	4.2	12.20	31.0	0.03	<1	0.3	11.7	<10	<2	9.8
1081105	Soil	<0.1	0.15	0.61	10.4	0.7	<0.05	8.5	11.41	32.9	0.03	<1	0.5	11.1	<10	<2	6.0
1081106	Soil	<0.1	0.07	0.91	9.8	0.9	<0.05	4.6	9.26	30.2	0.03	<1	0.6	12.2	<10	<2	7.3
1081107	Soil	<0.1	0.09	1.42	9.8	0.6	<0.05	4.1	8.13	26.6	<0.02	<1	0.5	12.0	<10	<2	11.7
1081108	Soil	<0.1	0.05	1.40	6.0	1.2	<0.05	3.4	6.59	24.0	0.03	<1	0.5	9.8	<10	<2	22.0
1081109	Soil	<0.1	0.08	1.81	18.6	0.7	<0.05	3.5	6.12	25.0	0.02	<1	0.5	19.5	<10	<2	12.4
1081110 Agi Dagi A	Soil	<0.1	0.03	0.39	8.2	3.1	<0.05	0.7	1.40	16.6	0.05	2	0.3	5.7	20	4	5.8
1081111	Soil	<0.1	0.10	1.69	11.7	0.6	<0.05	3.8	7.44	25.9	0.03	<1	0.4	15.6	<10	<2	20.5
1081112	Soil	<0.1	0.04	1.14	8.0	0.7	<0.05	2.2	5.47	19.1	<0.02	<1	0.3	10.4	<10	<2	24.6
1081113	Soil	<0.1	0.06	1.33	9.6	0.5	<0.05	3.1	7.56	22.0	<0.02	1	0.4	12.8	<10	<2	20.5
1081114	Soil	<0.1	0.04	1.37	6.9	1.1	<0.05	2.9	5.80	21.1	0.02	<1	0.3	13.0	<10	<2	17.9
1081115	Soil	<0.1	0.09	1.82	16.9	0.9	<0.05	3.9	7.76	33.9	<0.02	1	0.4	13.6	<10	<2	16.5
1081116	Soil	<0.1	0.05	0.87	6.6	0.5	<0.05	1.9	5.52	22.1	<0.02	1	0.4	5.1	<10	<2	34.9
1081117	Soil	<0.1	0.10	1.95	4.0	0.8	<0.05	3.8	2.59	12.7	0.02	<1	0.3	11.1	<10	<2	17.8
1081118	Soil	<0.1	0.04	1.22	6.4	0.6	<0.05	2.8	3.88	16.2	0.03	<1	0.6	11.8	<10	<2	12.0
1081119	Soil	<0.1	0.08	1.38	4.4	0.6	<0.05	3.5	3.49	16.9	<0.02	<1	0.3	8.1	<10	<2	22.3
1081120	Soil	<0.1	0.06	1.39	4.5	0.7	<0.05	2.9	4.89	22.3	0.03	<1	0.8	12.6	<10	<2	19.3



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Project: 210800
Report Date: October 18, 2011

Page: 6 of 10 Part 1

CERTIFICATE OF ANALYSIS

WHI11001389.1

Method Analyte Unit MDL		SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1081121	Soil	244.0	504.0	1.68	13.41	6.95	29.9	192	10.4	4.3	88	1.71	6.7	0.6	2.9	1.0	15.9	0.32	0.42	0.12
1081122	Soil	274.0	536.0	1.58	12.26	8.51	29.8	201	9.8	4.1	91	1.71	7.1	0.5	2.8	1.0	15.6	0.29	0.39	0.13
1081123	Soil	166.0	422.0	2.12	16.11	7.24	29.2	444	11.6	4.0	70	1.66	8.5	0.4	1.8	0.8	14.0	0.21	0.53	0.11
1081124	Soil	226.0	498.0	1.37	33.53	7.63	95.9	142	33.8	17.8	663	3.39	9.3	0.8	1.3	0.6	35.7	0.54	0.59	0.15
1081125	Soil	220.0	1568	3.00	39.29	7.80	71.0	84	46.2	19.9	614	3.86	26.6	0.9	3.3	1.6	27.4	0.19	0.66	0.15
1081126	Soil	362.0	678.0	1.69	27.06	8.18	77.9	87	24.9	14.9	632	3.43	13.7	0.7	1.5	0.8	32.7	0.26	0.56	0.17
1081127	Soil	358.0	618.0	1.42	25.79	6.49	65.7	112	19.2	9.8	364	2.69	8.8	0.7	1.5	0.5	31.8	0.32	0.55	0.17
1081128	Soil	338.0	1478	1.60	32.31	8.05	77.1	151	29.5	14.0	565	3.53	62.6	2.2	7.8	3.3	38.6	0.53	0.66	0.31
1081129	Soil	312.0	1414	2.36	38.09	16.16	102.3	181	42.3	20.8	778	3.74	21.3	2.1	4.4	2.8	39.9	0.19	0.96	0.14
1081130 Agi Dagi B	Soil	N.A.	N.A.	2.89	8.68	26.30	18.7	20	11.0	3.6	87	3.68	64.0	0.8	109.0	4.4	32.0	0.03	0.94	1.83
1081131	Soil	244.0	450.0	2.18	41.27	8.49	61.2	190	25.5	14.0	527	2.84	12.2	2.1	2.3	0.7	45.0	0.24	0.82	0.14
1081132	Soil	298.0	610.0	1.57	26.84	7.57	54.0	124	22.0	14.0	489	2.94	8.3	0.8	1.7	0.6	31.3	0.11	0.49	0.14
1081133	Soil	398.0	966.0	1.68	27.36	9.41	65.4	52	31.3	14.4	638	3.32	10.0	0.8	3.2	2.1	36.3	0.25	0.57	0.24
1081134	Soil	344.0	1304	1.38	32.08	9.10	76.3	87	37.0	16.4	613	3.61	13.9	1.8	7.8	5.8	38.9	0.22	0.55	0.72
1081135	Soil	370.0	556.0	1.68	30.86	7.19	59.1	125	25.1	12.9	719	2.78	19.6	1.8	4.0	1.1	46.2	0.13	0.64	0.19
1075732	Soil	136.0	1314	1.28	58.93	7.63	58.2	267	37.4	15.4	581	2.89	13.4	1.5	3.7	1.3	54.7	0.36	0.60	0.14
1075733	Soil	328.0	1422	1.31	57.66	8.15	69.6	209	38.1	16.3	501	3.21	11.0	1.3	3.3	2.0	48.2	0.31	0.55	0.15
1075734	Soil	108.0	1564	1.03	31.61	6.72	68.9	139	25.2	12.9	576	2.25	6.1	1.1	2.4	1.1	54.5	0.26	0.47	0.10
1075735	Soil	300.0	1078	0.99	31.76	5.98	63.9	120	28.0	11.8	395	2.45	6.3	1.3	4.3	1.8	46.0	0.21	0.47	0.11
1075736	Soil	162.0	892.0	0.76	30.53	5.90	54.6	89	24.4	9.0	229	1.94	4.3	1.3	3.5	1.7	47.6	0.17	0.40	0.09
1075737	Soil	444.0	1082	0.66	32.66	5.21	59.2	87	24.4	8.6	248	1.97	4.2	1.8	1.8	1.6	39.4	0.18	0.42	0.08
1075738	Soil	136.0	464.0	0.44	32.90	5.67	61.9	83	23.9	6.8	145	1.89	5.1	1.0	3.4	1.2	48.0	0.21	0.42	0.08
1075739	Soil	192.0	454.0	0.89	36.79	4.79	56.4	114	25.9	8.8	367	2.13	6.3	0.8	1.3	0.9	48.0	0.28	0.53	0.09
1075740	Soil	198.0	590.0	1.07	32.09	5.17	69.4	94	30.6	11.7	510	2.41	5.5	0.8	1.9	1.2	47.3	0.22	0.49	0.10
1075741	Soil	266.0	520.0	0.84	28.05	4.87	56.2	69	26.1	11.4	511	2.28	4.9	0.8	4.6	1.4	43.4	0.20	0.43	0.14
1075742	Soil	98.00	558.0	0.89	29.36	4.94	57.0	77	26.7	10.9	516	2.27	5.1	0.8	8.5	1.4	47.2	0.23	0.47	0.11
1075743	Soil	384.0	954.0	1.09	28.88	5.70	63.7	91	28.6	12.1	447	2.64	6.5	1.1	3.4	1.7	40.8	0.19	0.44	0.13
1075744	Soil	222.0	1206	0.83	44.24	5.66	63.2	105	36.5	12.1	457	2.78	6.8	0.9	2.3	2.2	46.9	0.22	0.50	0.13
1075745	Soil	378.0	1482	0.85	39.17	5.49	64.1	62	39.1	13.2	467	2.89	7.2	0.7	2.2	2.1	46.0	0.21	0.48	0.11
1075746	Soil	302.0	1490	0.99	45.24	7.43	56.2	101	37.4	14.2	371	3.10	8.6	1.1	1.8	2.3	34.3	0.11	0.52	0.14



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Report Date: October 18, 2011

Page: 6 of 10 Part 2

CERTIFICATE OF ANALYSIS

WHI11001389.1

		Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
		Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs
		Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		MDL	0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1081121	Soil		0.14	0.026	5.6	21.1	0.21	42.2	0.056	<1	0.81	0.020	0.02	0.1	1.6	0.09	0.03	46	0.4	<0.02	4.6	0.84
1081122	Soil		0.14	0.025	5.3	21.1	0.22	44.2	0.060	<1	0.84	0.020	0.03	0.1	1.7	0.09	0.02	50	0.5	<0.02	5.0	1.08
1081123	Soil		0.12	0.019	4.7	19.7	0.13	38.0	0.065	1	0.57	0.014	0.02	0.1	1.4	0.05	0.02	40	0.4	<0.02	4.2	1.36
1081124	Soil		0.66	0.062	9.8	39.3	0.61	150.9	0.061	2	1.90	0.029	0.05	0.1	3.0	0.08	0.07	44	0.5	0.04	6.2	1.18
1081125	Soil		0.43	0.056	10.8	48.7	0.95	144.0	0.087	2	2.54	0.020	0.10	<0.1	3.9	0.13	0.05	24	0.5	0.04	7.6	2.69
1081126	Soil		0.58	0.054	8.8	38.4	0.64	151.3	0.067	2	1.63	0.029	0.05	0.1	2.8	0.07	0.05	24	0.3	<0.02	7.0	1.07
1081127	Soil		0.49	0.063	8.9	30.6	0.44	134.9	0.058	2	1.45	0.027	0.04	0.2	2.2	0.07	0.06	27	0.5	<0.02	5.9	1.01
1081128	Soil		0.48	0.065	14.7	41.0	0.79	178.2	0.097	2	2.24	0.030	0.07	0.2	4.1	0.19	0.05	31	0.6	0.03	7.4	2.55
1081129	Soil		0.57	0.054	12.8	48.6	0.82	152.3	0.098	2	2.31	0.019	0.09	0.1	4.5	0.13	0.03	34	0.5	<0.02	8.0	7.70
1081130 Agi Dagi B	Soil		0.04	0.019	8.9	21.8	0.12	69.7	0.021	1	1.10	0.002	0.07	0.1	2.3	0.10	0.03	35	2.4	0.43	8.6	0.86
1081131	Soil		0.85	0.068	12.3	34.6	0.52	118.0	0.062	2	1.70	0.031	0.05	0.1	3.0	0.11	0.08	52	0.6	<0.02	5.9	4.79
1081132	Soil		0.49	0.078	10.2	33.2	0.53	127.8	0.062	2	1.77	0.035	0.04	0.1	2.8	0.10	0.07	37	0.6	<0.02	5.9	1.37
1081133	Soil		0.57	0.054	9.5	39.2	0.71	173.3	0.099	2	2.03	0.023	0.06	0.2	4.0	0.10	0.03	18	0.4	<0.02	7.4	3.64
1081134	Soil		0.62	0.076	11.7	43.7	0.87	176.9	0.131	2	2.51	0.024	0.07	0.2	5.0	0.11	0.02	27	0.3	<0.02	7.7	3.07
1081135	Soil		0.85	0.084	21.3	34.7	0.53	202.0	0.059	3	1.90	0.032	0.05	0.1	3.6	0.11	0.07	42	0.7	<0.02	5.6	2.17
1075732	Soil		1.51	0.072	18.2	39.2	0.66	189.5	0.078	3	1.80	0.035	0.08	0.1	4.6	0.11	0.06	42	1.0	<0.02	5.3	1.14
1075733	Soil		1.21	0.061	15.8	45.1	0.80	180.3	0.095	1	1.93	0.036	0.09	0.1	4.8	0.10	0.04	34	0.5	<0.02	6.2	1.17
1075734	Soil		1.41	0.071	10.6	33.9	0.60	151.6	0.074	3	1.34	0.037	0.09	0.1	3.2	0.10	0.06	42	0.8	<0.02	4.6	1.06
1075735	Soil		1.07	0.070	12.2	36.5	0.66	170.9	0.092	3	1.51	0.035	0.08	0.1	3.5	0.10	0.05	52	0.6	<0.02	5.1	1.09
1075736	Soil		1.31	0.062	11.3	34.6	0.63	154.3	0.094	3	1.36	0.035	0.08	0.1	3.3	0.09	0.07	28	0.7	<0.02	4.4	0.92
1075737	Soil		0.98	0.067	11.3	36.9	0.70	138.1	0.104	2	1.50	0.036	0.06	0.1	3.7	0.09	0.06	36	0.6	<0.02	5.0	0.89
1075738	Soil		1.31	0.062	10.2	35.8	0.62	148.2	0.082	2	1.35	0.034	0.06	<0.1	3.6	0.08	0.09	29	0.6	<0.02	4.5	0.77
1075739	Soil		1.26	0.059	10.9	30.5	0.51	154.5	0.063	2	1.27	0.030	0.06	<0.1	3.0	0.07	0.07	35	0.7	<0.02	4.0	0.66
1075740	Soil		1.17	0.069	11.3	41.5	0.68	164.9	0.092	3	1.51	0.037	0.07	0.1	3.5	0.08	0.05	26	0.6	<0.02	4.7	0.80
1075741	Soil		1.13	0.063	10.2	33.4	0.64	147.2	0.086	4	1.42	0.034	0.07	<0.1	3.7	0.11	0.05	27	0.1	<0.02	4.2	0.74
1075742	Soil		1.20	0.071	11.3	32.4	0.64	154.8	0.084	4	1.40	0.035	0.07	0.1	3.7	0.10	0.06	23	0.2	<0.02	4.2	0.73
1075743	Soil		0.99	0.069	11.7	38.2	0.72	155.2	0.092	3	1.59	0.036	0.06	0.1	4.2	0.11	0.05	35	0.3	0.03	5.1	0.88
1075744	Soil		1.23	0.072	15.1	41.9	0.76	233.8	0.097	3	1.75	0.040	0.08	0.1	4.7	0.12	0.03	31	0.3	0.03	4.9	0.96
1075745	Soil		1.22	0.057	10.2	44.8	0.88	168.3	0.110	3	1.80	0.042	0.11	0.1	4.6	0.13	0.03	15	0.3	0.02	5.3	0.94
1075746	Soil		0.81	0.046	14.6	42.9	0.75	197.1	0.092	2	2.07	0.034	0.06	<0.1	4.9	0.11	<0.02	44	0.2	0.03	5.9	0.91



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Project: 210800
Report Date: October 18, 2011

Page: 6 of 10 Part 3

CERTIFICATE OF ANALYSIS

WHI11001389.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1081121	Soil	<0.1	0.04	0.86	2.8	0.6	<0.05	2.0	2.14	10.9	<0.02	<1	0.3	3.4	<10	<2	15.5
1081122	Soil	<0.1	0.03	0.93	3.2	0.6	<0.05	2.1	2.21	10.6	<0.02	<1	0.2	4.7	<10	<2	15.2
1081123	Soil	<0.1	0.04	0.86	3.9	0.5	<0.05	2.3	1.79	9.5	<0.02	1	<0.1	2.2	<10	<2	15.0
1081124	Soil	<0.1	0.05	1.03	10.0	0.5	<0.05	2.0	6.91	24.3	0.02	2	0.4	10.9	<10	<2	22.2
1081125	Soil	<0.1	0.04	1.18	14.9	0.7	<0.05	2.3	6.02	30.9	0.03	2	0.7	17.2	<10	<2	15.8
1081126	Soil	<0.1	0.03	0.90	9.9	0.6	<0.05	1.9	5.09	19.6	0.03	<1	0.4	10.9	<10	<2	16.9
1081127	Soil	<0.1	0.03	0.88	9.3	0.5	<0.05	1.5	4.69	18.3	<0.02	<1	0.5	7.7	<10	<2	19.4
1081128	Soil	<0.1	0.04	1.35	14.2	1.0	<0.05	3.0	7.35	29.5	0.03	<1	0.9	13.1	<10	<2	17.3
1081129	Soil	<0.1	0.04	1.17	13.7	0.7	<0.05	2.8	6.25	28.2	0.04	1	1.1	21.5	<10	<2	13.1
1081130 Agi Dagi B	Soil	<0.1	0.13	0.47	9.3	0.5	<0.05	7.6	2.57	18.0	<0.02	3	0.2	5.8	<10	<2	10.8
1081131	Soil	<0.1	0.04	1.16	9.2	0.5	<0.05	2.1	9.76	22.5	0.03	1	0.6	9.7	<10	<2	26.7
1081132	Soil	<0.1	0.02	1.01	6.9	0.7	<0.05	1.9	6.06	21.3	0.04	<1	0.4	8.4	<10	<2	22.2
1081133	Soil	<0.1	0.04	1.17	9.0	0.8	<0.05	2.9	5.40	21.8	0.03	<1	0.4	14.8	<10	<2	13.5
1081134	Soil	<0.1	0.07	1.27	10.3	0.9	<0.05	4.1	7.01	25.8	0.03	<1	0.8	17.5	<10	<2	11.2
1081135	Soil	<0.1	0.02	1.10	9.5	1.1	<0.05	2.0	13.30	37.5	0.02	2	0.6	9.3	<10	<2	28.1
1075732	Soil	<0.1	0.09	1.55	10.8	1.1	<0.05	4.2	16.88	34.1	0.02	<1	0.7	14.2	<10	<2	27.5
1075733	Soil	<0.1	0.09	1.68	11.5	1.0	<0.05	5.2	12.18	31.1	0.02	<1	0.5	14.2	<10	<2	19.5
1075734	Soil	<0.1	0.05	1.37	11.1	1.2	<0.05	3.0	7.44	22.7	0.02	<1	0.3	10.1	<10	<2	26.1
1075735	Soil	<0.1	0.06	1.57	11.5	0.6	<0.05	3.3	8.37	24.2	0.02	1	0.5	11.2	<10	<2	21.9
1075736	Soil	<0.1	0.08	1.63	12.4	1.3	<0.05	3.5	7.94	22.3	<0.02	<1	0.3	10.9	<10	<2	24.7
1075737	Soil	<0.1	0.06	1.47	9.2	0.6	<0.05	3.5	7.99	21.9	<0.02	1	0.3	11.4	<10	<2	17.0
1075738	Soil	<0.1	0.08	1.46	7.6	0.7	<0.05	4.2	7.31	20.2	<0.02	<1	0.3	9.0	<10	<2	29.1
1075739	Soil	<0.1	0.07	1.24	8.1	0.4	<0.05	3.6	9.62	21.1	<0.02	1	0.2	7.6	<10	<2	33.1
1075740	Soil	<0.1	0.06	1.41	9.3	0.5	<0.05	3.6	8.48	22.2	0.02	<1	0.4	10.6	<10	<2	22.5
1075741	Soil	<0.1	0.08	1.45	9.1	0.5	<0.05	3.7	7.55	19.6	0.04	<1	0.3	12.3	<10	<2	23.3
1075742	Soil	<0.1	0.08	1.41	9.2	0.7	<0.05	3.9	8.46	21.4	<0.02	<1	0.3	11.3	<10	<2	25.3
1075743	Soil	<0.1	0.08	1.51	8.2	0.5	<0.05	3.7	7.99	23.0	<0.02	<1	0.4	14.3	<10	<2	19.1
1075744	Soil	<0.1	0.08	1.71	9.4	0.8	<0.05	4.6	11.73	27.8	0.03	1	0.6	14.3	<10	<2	17.8
1075745	Soil	<0.1	0.09	1.60	13.1	0.6	<0.05	5.2	7.20	26.5	0.03	<1	0.4	15.4	<10	<2	14.8
1075746	Soil	<0.1	0.09	1.46	8.5	0.8	<0.05	4.6	10.41	29.4	0.02	<1	0.7	15.8	<10	<2	11.6



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Project: 210800
Report Date: October 18, 2011

Page: 7 of 10 Part 1

CERTIFICATE OF ANALYSIS

WHI11001389.1

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1075747	Soil	250.0	576.0	0.78	29.72	4.97	59.0	76	28.9	11.3	438	2.48	6.4	1.0	20.4	1.5	45.4	0.17	0.39	0.10
1075748	Soil	274.0	1290	0.92	36.27	5.92	62.6	92	33.5	12.9	493	2.85	7.0	0.9	2.7	1.8	46.2	0.18	0.49	0.11
1075749	Soil	314.0	1554	0.86	29.64	5.90	58.8	63	31.7	13.0	570	2.79	6.4	0.7	2.6	2.0	41.0	0.18	0.40	0.11
1075750 GS-1	Soil	N.A.	N.A.	0.64	20.58	9.34	52.0	32	25.7	11.7	444	2.72	4.1	1.6	0.2	8.1	88.7	0.05	0.20	0.22
1075163	Soil	110.0	608.0	0.98	26.60	5.35	61.6	69	30.7	13.0	578	2.51	5.6	0.9	3.1	1.9	37.6	0.19	0.41	0.11
1075164	Soil	210.0	614.0	0.83	23.81	5.87	63.6	82	29.5	12.2	509	2.57	5.8	0.8	2.3	1.8	43.5	0.19	0.37	0.12
1075165	Soil	170.0	492.0	0.88	27.20	5.06	60.4	72	30.6	12.4	455	2.45	5.3	0.9	1.5	1.7	42.5	0.21	0.41	0.11
1075166	Soil	500.0	772.0	0.86	29.27	5.54	57.6	90	30.7	13.4	506	2.56	6.4	1.0	2.5	2.0	38.3	0.13	0.41	0.11
1075167	Soil	156.0	342.0	0.92	31.18	4.79	78.2	73	29.2	11.5	568	2.34	5.7	0.8	4.0	1.4	43.4	0.22	0.44	0.10
1075168	Soil	284.0	1004	0.94	22.19	5.66	60.6	59	29.2	12.3	463	2.68	6.7	0.7	1.5	2.4	33.6	0.12	0.35	0.12
1075169	Soil	286.0	590.0	1.25	28.33	5.92	59.5	100	30.2	16.0	590	2.73	6.6	1.0	4.4	1.9	37.5	0.12	0.42	0.17
1075170 Agi Dagi A	Soil	N.A.	N.A.	72.19	17.19	67.29	18.4	43	8.9	2.3	88	3.41	84.2	0.5	391.1	3.0	11.4	0.05	3.60	20.29
1075171	Soil	145.0	454.0	0.91	28.45	5.03	54.8	86	30.0	11.4	439	2.43	5.8	0.9	2.1	1.6	41.8	0.14	0.44	0.18
1075172	Soil	208.0	422.0	1.17	29.91	5.44	67.1	109	29.7	11.9	579	2.47	6.3	1.5	3.1	1.3	48.8	0.22	0.46	0.14
1075173	Soil	153.0	428.0	1.23	28.87	5.42	57.2	96	28.4	12.8	519	2.50	6.9	1.4	3.2	1.8	45.4	0.17	0.43	0.13
1075174	Soil	178.0	1462	0.69	41.39	5.95	58.5	81	46.8	13.7	495	2.61	6.3	0.8	3.7	4.7	44.5	0.19	0.44	0.11
1075175	Soil	155.0	1126	0.84	26.26	4.68	54.8	67	29.3	11.0	408	2.29	5.5	0.9	1.5	2.0	44.1	0.16	0.42	0.10
1075176	Soil	296.0	852.0	1.17	32.75	4.85	51.4	101	29.6	10.8	484	2.48	6.7	1.6	4.5	1.6	44.2	0.15	0.45	0.10
1075177	Soil	179.0	482.0	1.03	32.31	5.36	53.8	89	28.8	9.2	302	2.16	5.3	1.4	3.2	1.0	48.5	0.17	0.43	0.11
1075178	Soil	206.0	1208	0.78	36.74	5.00	53.9	71	38.2	11.5	339	2.36	5.7	1.3	4.4	2.6	39.6	0.14	0.34	0.09
1075179	Soil	333.0	1612	0.76	29.31	4.47	50.1	54	37.7	12.2	419	2.53	5.6	0.9	2.7	3.1	35.9	0.12	0.33	0.09
1075180	Soil	312.0	758.0	0.93	26.16	5.03	66.3	79	27.0	10.4	366	2.48	6.0	0.9	2.2	1.4	45.7	0.16	0.41	0.10
1075181	Soil	177.0	1170	0.64	26.11	5.17	52.0	82	27.9	11.6	570	2.37	5.2	0.9	7.3	1.5	50.5	0.18	0.39	0.09
1075182	Soil	94.00	1374	0.75	28.05	6.62	50.1	74	27.9	11.2	508	2.26	4.8	1.0	2.1	1.3	55.6	0.20	0.43	0.09
1075183	Soil	277.0	1848	0.83	28.80	5.56	59.5	71	30.2	11.3	496	2.64	5.4	0.6	1.4	2.1	45.7	0.22	0.39	0.08
1075184	Soil	330.0	636.0	0.69	30.45	5.11	66.3	78	29.5	11.6	499	2.52	5.8	0.7	3.5	1.7	50.6	0.19	0.42	0.10
1075185	Soil	215.0	1686	0.91	39.55	6.56	65.6	92	34.3	13.2	507	2.93	7.6	0.5	3.0	2.4	45.9	0.20	0.48	0.10
1075186	Soil	240.0	626.0	0.81	31.97	5.15	64.8	98	28.4	10.6	478	2.51	6.3	0.9	5.1	1.6	51.8	0.17	0.43	0.09
1075187	Soil	273.0	1294	0.78	39.93	5.98	61.0	103	35.4	13.3	502	2.76	6.9	0.8	3.2	2.2	49.6	0.23	0.46	0.10
1075188	Soil	352.0	1466	0.92	24.90	4.79	59.0	79	30.2	13.0	540	2.57	5.5	0.7	1.9	2.0	42.1	0.17	0.36	0.09



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Report Date: October 18, 2011

Page: 7 of 10 Part 2

CERTIFICATE OF ANALYSIS

WHI11001389.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.01	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
1075747	Soil	1.30	0.060	10.3	37.8	0.72	146.8	0.095	4	1.56	0.038	0.08	0.1	4.1	0.10	0.05	25	0.5	0.03	4.6
1075748	Soil	1.19	0.074	13.2	41.0	0.76	170.1	0.094	3	1.72	0.039	0.08	0.1	4.6	0.11	0.03	28	0.2	<0.02	5.1
1075749	Soil	0.97	0.070	11.0	41.6	0.79	147.4	0.112	2	1.62	0.042	0.09	<0.1	4.4	0.11	0.02	29	0.2	0.03	5.1
1075750 GS-1	Soil	3.83	0.044	22.1	20.0	1.08	71.8	0.033	2	1.27	0.025	0.24	0.1	2.3	0.11	0.03	10	<0.1	<0.02	3.5
1075163	Soil	0.84	0.073	11.1	36.9	0.70	153.5	0.088	3	1.57	0.031	0.06	0.1	3.7	0.10	0.04	34	0.2	0.03	5.0
1075164	Soil	1.01	0.064	10.5	40.2	0.73	162.8	0.090	3	1.55	0.032	0.07	0.1	3.7	0.10	0.03	36	0.2	<0.02	5.1
1075165	Soil	1.02	0.071	10.2	40.8	0.75	165.2	0.089	3	1.56	0.032	0.08	0.1	3.9	0.11	0.04	32	0.2	<0.02	4.7
1075166	Soil	0.91	0.067	12.1	41.7	0.72	166.8	0.094	3	1.56	0.034	0.07	0.1	4.0	0.11	0.03	25	0.2	<0.02	5.2
1075167	Soil	1.29	0.062	9.8	35.3	0.65	147.5	0.077	3	1.38	0.033	0.07	0.1	3.8	0.09	0.06	43	0.2	<0.02	4.5
1075168	Soil	0.74	0.065	10.2	42.6	0.74	149.8	0.108	2	1.54	0.032	0.06	0.1	3.7	0.10	<0.02	21	0.2	<0.02	5.6
1075169	Soil	0.83	0.069	11.0	43.5	0.75	161.6	0.092	3	1.68	0.032	0.07	0.1	4.1	0.09	0.04	29	0.2	0.04	5.6
1075170 Agi Dagi A	Soil	0.02	0.021	7.0	14.0	0.12	49.9	0.008	<1	0.97	<0.001	0.05	0.3	1.7	0.18	<0.02	26	7.5	3.49	4.1
1075171	Soil	1.03	0.066	10.5	38.3	0.69	161.3	0.085	3	1.51	0.034	0.08	0.2	3.8	0.11	0.05	45	0.2	0.02	4.7
1075172	Soil	1.28	0.073	10.9	36.5	0.67	183.9	0.080	3	1.54	0.033	0.08	0.1	3.6	0.13	0.06	33	0.4	<0.02	4.6
1075173	Soil	1.09	0.068	11.6	35.1	0.68	177.2	0.098	3	1.48	0.032	0.08	0.1	3.7	0.12	0.05	47	0.2	0.04	4.6
1075174	Soil	1.24	0.098	14.9	54.1	1.05	222.1	0.138	2	1.61	0.051	0.21	0.2	4.8	0.19	<0.02	15	<0.1	<0.02	5.2
1075175	Soil	1.12	0.066	11.2	35.9	0.67	154.6	0.093	2	1.36	0.034	0.08	0.1	3.6	0.11	0.04	24	0.2	0.03	4.4
1075176	Soil	1.16	0.063	11.5	35.5	0.62	173.7	0.081	3	1.44	0.034	0.07	<0.1	3.6	0.09	0.05	37	0.3	0.02	4.4
1075177	Soil	1.22	0.076	11.8	34.6	0.60	172.8	0.070	2	1.48	0.034	0.07	0.1	3.4	0.11	0.07	41	0.3	0.02	4.5
1075178	Soil	0.94	0.076	13.1	46.4	0.78	169.9	0.109	2	1.50	0.036	0.10	0.1	4.0	0.13	0.03	25	0.2	0.04	4.7
1075179	Soil	0.86	0.065	11.0	54.5	0.82	157.1	0.123	2	1.53	0.038	0.10	0.1	3.9	0.13	<0.02	14	0.1	<0.02	4.5
1075180	Soil	1.17	0.066	10.4	33.7	0.71	138.9	0.085	2	1.50	0.038	0.07	0.1	3.8	0.10	0.04	34	0.2	<0.02	4.6
1075181	Soil	1.51	0.063	12.1	32.0	0.67	149.3	0.082	3	1.40	0.036	0.08	0.1	3.6	0.09	0.05	33	0.2	0.03	3.9
1075182	Soil	1.65	0.065	11.4	32.0	0.63	149.2	0.079	3	1.34	0.036	0.07	0.1	3.6	0.10	0.06	35	0.3	<0.02	3.8
1075183	Soil	1.11	0.080	11.9	38.8	0.85	134.5	0.113	3	1.52	0.050	0.13	0.1	4.5	0.12	0.02	17	<0.1	<0.02	4.6
1075184	Soil	1.45	0.070	11.5	38.8	0.77	145.8	0.097	3	1.58	0.042	0.10	0.1	4.5	0.11	0.05	31	0.2	<0.02	4.5
1075185	Soil	1.09	0.082	12.7	44.7	0.87	141.3	0.117	3	1.73	0.047	0.12	0.1	5.2	0.14	<0.02	30	0.1	<0.02	5.6
1075186	Soil	1.50	0.079	11.7	35.5	0.74	145.0	0.089	3	1.53	0.039	0.09	<0.1	4.3	0.12	0.06	26	0.3	<0.02	4.4
1075187	Soil	1.20	0.072	12.7	45.0	0.88	163.1	0.104	2	1.71	0.046	0.10	0.1	4.8	0.13	0.03	31	0.4	0.02	5.5
1075188	Soil	1.00	0.074	12.2	36.5	0.74	150.7	0.104	3	1.52	0.040	0.08	0.1	4.2	0.11	0.03	19	0.2	<0.02	4.7



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Project: 210800
Report Date: October 18, 2011

Page: 7 of 10 Part 3

CERTIFICATE OF ANALYSIS

WHI11001389.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1075747	Soil	<0.1	0.08	1.53	9.3	0.5	<0.05	3.8	7.41	20.1	0.02	<1	0.3	14.2	<10	<2	20.0
1075748	Soil	<0.1	0.09	1.49	9.8	0.6	<0.05	4.2	10.11	25.2	0.03	1	0.4	13.3	<10	<2	16.4
1075749	Soil	<0.1	0.09	1.36	10.6	1.4	<0.05	4.7	7.64	22.5	0.02	<1	0.3	13.8	<10	<2	12.5
1075750 GS-1	Soil	<0.1	0.03	0.73	15.9	0.6	<0.05	1.0	8.08	44.3	<0.02	1	0.3	32.1	<10	<2	8.4
1075163	Soil	<0.1	0.07	1.43	9.0	0.5	<0.05	3.0	7.02	21.3	0.03	<1	0.3	12.0	<10	<2	18.2
1075164	Soil	<0.1	0.07	1.57	9.6	0.5	<0.05	3.5	6.70	19.9	0.03	<1	0.2	13.3	<10	<2	19.0
1075165	Soil	<0.1	0.07	1.61	9.8	0.5	<0.05	3.5	6.64	18.6	0.03	<1	0.2	12.0	<10	<2	23.6
1075166	Soil	<0.1	0.06	1.52	8.1	0.5	<0.05	3.3	7.96	22.9	0.03	<1	0.3	12.5	<10	<2	17.1
1075167	Soil	<0.1	0.07	1.50	9.4	0.4	<0.05	3.6	6.87	18.9	<0.02	<1	0.2	11.0	<10	<2	28.6
1075168	Soil	<0.1	0.06	1.38	8.0	0.5	<0.05	3.4	5.55	18.5	0.02	<1	0.2	13.5	<10	<2	11.9
1075169	Soil	<0.1	0.06	1.64	8.8	0.6	<0.05	3.4	6.53	20.9	<0.02	<1	0.2	13.6	<10	<2	20.2
1075170 Agi Dagi A	Soil	<0.1	<0.02	0.39	8.9	2.9	<0.05	0.8	1.44	14.4	0.08	<1	0.3	6.0	<10	4	6.1
1075171	Soil	<0.1	0.05	1.52	10.6	0.7	<0.05	3.2	6.87	19.4	<0.02	2	0.3	11.0	<10	<2	25.4
1075172	Soil	<0.1	0.06	1.51	11.9	0.4	<0.05	3.0	7.23	20.5	<0.02	<1	0.2	12.6	<10	<2	26.6
1075173	Soil	<0.1	0.06	1.69	12.6	0.7	<0.05	3.2	7.21	21.4	0.02	<1	0.2	12.7	<10	<2	22.0
1075174	Soil	<0.1	0.11	1.17	17.2	1.5	<0.05	5.0	9.20	27.7	0.02	1	0.4	13.1	<10	<2	7.2
1075175	Soil	<0.1	0.06	1.51	10.1	0.7	<0.05	3.4	7.01	21.0	0.02	<1	0.2	10.7	<10	<2	19.9
1075176	Soil	<0.1	0.06	1.49	10.0	0.5	<0.05	3.3	8.06	20.4	0.03	<1	0.3	10.6	<10	<2	22.6
1075177	Soil	<0.1	0.06	1.32	10.7	0.5	<0.05	3.0	8.27	21.8	0.02	<1	0.3	11.0	<10	<2	27.5
1075178	Soil	<0.1	0.07	1.28	13.0	1.1	<0.05	3.3	8.94	23.0	0.02	<1	0.3	13.0	<10	<2	12.4
1075179	Soil	<0.1	0.07	1.24	12.4	0.7	<0.05	3.5	6.51	21.8	<0.02	<1	0.3	13.5	<10	<2	9.1
1075180	Soil	<0.1	0.06	1.48	9.5	0.5	<0.05	3.7	7.43	19.8	<0.02	<1	0.3	12.0	<10	<2	19.8
1075181	Soil	<0.1	0.09	1.48	9.8	1.3	<0.05	4.2	9.51	24.3	0.03	<1	0.3	11.4	<10	<2	23.3
1075182	Soil	<0.1	0.09	1.43	10.0	2.1	<0.05	4.2	8.77	23.4	<0.02	<1	0.3	10.6	<10	<2	25.5
1075183	Soil	<0.1	0.06	1.19	12.1	1.5	<0.05	4.4	8.60	23.4	0.02	<1	0.3	10.5	<10	2	10.2
1075184	Soil	<0.1	0.08	1.59	12.1	0.6	<0.05	4.5	8.82	22.2	<0.02	<1	0.3	12.5	<10	<2	21.3
1075185	Soil	<0.1	0.12	1.41	13.8	1.5	<0.05	6.4	10.38	23.8	0.03	<1	0.3	13.0	<10	<2	11.7
1075186	Soil	<0.1	0.09	1.64	12.3	0.6	<0.05	4.4	8.99	21.1	0.02	<1	0.3	11.9	<10	<2	22.5
1075187	Soil	<0.1	0.10	1.66	12.4	1.0	<0.05	4.5	9.24	23.3	0.02	<1	0.5	13.2	<10	<2	16.2
1075188	Soil	<0.1	0.07	1.25	10.4	0.7	<0.05	3.6	8.57	23.2	0.03	<1	0.3	11.0	<10	<2	13.8



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Project: 210800
Report Date: October 18, 2011

Page: 8 of 10 Part 1

CERTIFICATE OF ANALYSIS

WHI11001389.1

	Method Analyte	Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
			-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
			g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
			0	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
1075189	Soil		365.0	1144	0.78	26.48	5.46	61.2	102	29.4	11.1	421	2.40	4.7	1.1	6.9	1.6	39.9	0.24	0.40	0.14
1075190 Agi Dagi B	Soil		N.A.	N.A.	2.65	8.01	23.18	16.5	17	9.5	3.1	86	3.52	59.2	0.8	84.9	4.4	28.0	0.03	0.97	1.86
1075191	Soil		348.0	890.0	0.54	33.81	4.99	69.0	107	33.5	9.4	260	2.32	2.8	1.5	9.7	2.0	42.7	0.22	0.42	0.13
1075192	Soil		255.0	1194	1.38	38.99	6.84	85.6	181	38.8	13.6	571	2.78	7.2	1.3	6.1	1.1	48.9	0.33	0.53	0.15
1075193	Soil		224.0	1882	0.96	41.31	8.38	86.8	142	47.9	15.0	447	3.02	7.0	0.9	4.0	2.8	40.8	0.24	0.46	0.15
1075194	Soil		277.0	570.0	1.54	35.72	7.26	66.6	189	31.5	14.3	689	2.77	7.3	1.0	3.3	1.3	41.6	0.24	0.51	0.17
1075195	Soil		228.0	626.0	1.22	23.31	4.79	34.2	78	17.4	5.6	172	2.01	5.2	0.8	2.4	0.9	28.7	0.15	0.52	0.12
1075196	Soil		235.0	1086	1.16	35.29	7.13	60.5	128	34.0	15.3	669	2.77	7.2	1.0	3.5	1.5	49.6	0.20	0.62	0.14
1075197	Soil		302.0	1094	0.72	28.36	6.41	47.0	108	700.2	41.1	640	3.35	32.9	0.8	4.2	1.7	36.1	0.14	1.72	0.44
1071351	Soil		511.0	1206	10.00	24.14	14.91	77.9	122	27.2	13.1	545	3.53	10.2	12.1	6.1	2.0	30.2	0.20	0.58	0.35
1071352	Soil		400.0	1250	7.69	27.23	11.76	77.7	187	28.2	13.9	629	3.46	14.2	7.7	8.1	3.3	31.7	0.15	0.83	0.66
1071353	Soil		383.0	1330	2.66	27.70	10.13	81.3	184	29.4	14.1	613	3.43	12.1	5.1	4.1	2.5	37.1	0.20	0.81	0.70
1071354	Soil		156.0	1922	2.56	31.10	13.39	79.6	180	31.3	14.2	392	3.51	18.6	9.3	16.2	9.8	42.5	0.28	2.35	0.72
1071355	Soil		203.0	1670	2.37	36.96	12.15	66.5	167	33.2	12.5	257	3.90	14.2	13.1	2.9	9.9	36.0	0.21	1.76	0.59
1071356	Soil		366.0	1696	1.61	26.52	8.51	66.8	82	30.1	14.4	639	3.46	10.8	2.4	4.5	4.2	32.7	0.16	1.18	0.31
1071357	Soil		809.0	1040	1.92	32.80	11.14	70.4	91	33.1	17.8	852	3.72	13.6	4.5	3.7	2.5	36.9	0.19	1.25	0.41
1071358	Soil		166.0	1764	1.23	24.68	9.70	67.6	104	28.6	13.5	543	3.24	8.8	2.1	6.9	7.9	31.4	0.25	1.43	0.54
1071359	Soil		391.0	674.0	2.28	29.10	8.09	55.5	169	25.7	14.8	500	3.10	9.6	1.3	4.5	1.1	33.0	0.17	1.06	0.20
1071360	Soil		210.0	574.0	1.68	15.37	8.50	37.0	157	15.2	9.8	394	2.32	7.4	0.9	3.9	1.0	33.0	0.14	0.75	0.19
1071361	Soil		409.0	710.0	2.14	36.81	10.11	66.9	195	26.8	12.4	510	3.13	10.3	5.9	4.3	4.6	38.2	0.15	1.53	0.61
1071362	Soil		246.0	610.0	2.30	39.51	10.67	70.8	253	27.8	12.8	546	3.25	11.4	6.9	3.7	5.2	40.6	0.18	1.75	0.63
1071363	Soil		419.0	846.0	1.95	23.85	8.60	63.4	179	23.2	12.7	474	3.16	10.0	2.4	1.5	2.4	27.6	0.13	1.12	0.32
1071364	Soil		352.0	766.0	3.40	30.48	10.31	78.3	166	27.7	13.4	605	3.45	10.2	8.4	2.5	2.6	32.8	0.17	0.80	0.46
1071365	Soil		269.0	674.0	3.52	29.24	9.75	77.4	134	30.9	14.6	657	3.48	11.3	9.2	7.0	3.1	39.9	0.20	0.82	0.23
1071366	Soil		196.0	1018	4.10	34.45	11.28	80.0	133	33.8	14.9	645	3.83	12.2	8.2	2.8	3.2	37.3	0.18	1.12	0.23
1071367	Soil		219.0	630.0	3.91	24.35	8.36	67.8	109	25.9	11.1	366	3.00	8.7	6.4	4.6	2.2	40.1	0.15	0.58	0.17
1071368	Soil		200.0	648.0	7.30	25.16	14.73	78.0	143	27.8	13.7	536	3.39	8.8	31.0	2.2	3.7	50.7	0.15	0.54	0.25
1071369	Soil		419.0	920.0	5.41	24.00	9.10	85.3	107	28.9	13.8	550	3.42	9.4	10.5	3.0	2.1	43.2	0.11	0.57	0.20
1071370 Agi Dagi A	Soil		N.A.	N.A.	72.80	19.12	72.63	19.8	49	10.0	2.6	92	3.57	89.4	0.6	466.5	3.1	12.0	0.07	3.90	22.12
1071371	Soil		228.0	1334	6.61	27.27	8.92	78.8	129	30.5	13.7	621	3.45	9.0	30.9	2.6	2.3	54.1	0.12	0.52	0.25



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Page: 8 of 10 Part 2

CERTIFICATE OF ANALYSIS

WHI11001389.1

		Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
			Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
			%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
			0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1075189	Soil		1.07	0.070	10.2	37.3	0.72	162.4	0.086	3	1.44	0.030	0.08	<0.1	3.5	0.11	0.04	32	0.4	<0.02	4.2	0.67
1075190	Agi Dagi B	Soil	0.04	0.018	7.5	19.9	0.12	60.1	0.017	1	0.96	0.001	0.05	0.1	2.0	0.11	<0.02	29	2.1	0.37	7.2	0.71
1075191	Soil		1.10	0.083	11.0	42.0	0.79	177.3	0.101	3	1.53	0.036	0.10	0.2	3.8	0.13	0.04	38	0.4	<0.02	4.1	0.81
1075192	Soil		1.09	0.075	13.1	40.4	0.73	213.4	0.066	3	1.75	0.028	0.07	0.1	3.9	0.12	0.06	37	0.5	0.02	4.5	0.85
1075193	Soil		0.82	0.081	12.6	51.4	0.93	192.4	0.110	2	1.98	0.035	0.12	0.1	5.0	0.15	0.03	47	0.2	0.03	5.4	1.08
1075194	Soil		0.86	0.068	11.2	39.8	0.64	150.4	0.074	2	1.68	0.029	0.06	0.1	3.5	0.12	0.05	31	0.3	<0.02	5.5	1.03
1075195	Soil		0.45	0.043	9.7	24.4	0.27	98.9	0.047	1	1.01	0.022	0.04	0.1	2.1	0.06	0.04	41	0.3	0.03	3.4	0.56
1075196	Soil		1.21	0.075	12.2	38.8	0.72	179.9	0.075	2	1.68	0.033	0.06	0.1	3.9	0.11	0.05	39	0.3	<0.02	4.6	0.80
1075197	Soil		0.79	0.047	11.8	181.1	3.87	222.6	0.053	3	1.74	0.021	0.05	<0.1	4.2	0.30	0.03	24	0.4	<0.02	4.1	3.81
1071351	Soil		0.36	0.073	15.0	40.2	0.77	148.0	0.055	1	2.39	0.013	0.05	0.3	3.3	0.14	0.05	29	0.2	0.03	6.6	1.68
1071352	Soil		0.43	0.069	19.5	39.5	0.76	187.8	0.070	2	2.24	0.017	0.05	0.5	3.9	0.15	0.04	37	0.2	0.04	6.3	1.91
1071353	Soil		0.53	0.070	17.2	40.1	0.75	173.4	0.067	2	2.19	0.018	0.05	0.3	3.6	0.14	0.05	27	0.2	0.04	6.2	1.72
1071354	Soil		0.67	0.081	24.0	43.7	0.78	215.8	0.110	1	2.41	0.019	0.08	0.6	5.9	0.20	0.03	61	0.3	<0.02	6.6	2.62
1071355	Soil		0.49	0.060	26.1	51.0	0.81	211.7	0.125	1	2.78	0.015	0.06	0.3	7.1	0.20	0.02	57	0.3	0.05	7.0	2.73
1071356	Soil		0.48	0.058	12.2	39.5	0.76	166.7	0.101	2	2.12	0.017	0.06	0.3	3.6	0.15	0.03	22	0.2	0.03	6.2	1.78
1071357	Soil		0.57	0.091	27.0	43.0	0.75	222.0	0.064	2	2.45	0.021	0.05	0.2	4.4	0.17	0.05	37	0.3	0.07	6.4	1.79
1071358	Soil		0.54	0.058	15.0	35.1	0.73	183.5	0.131	2	1.99	0.024	0.08	0.8	3.5	0.19	0.02	18	0.1	0.04	5.8	1.90
1071359	Soil		0.46	0.066	10.4	35.5	0.59	139.6	0.058	1	1.63	0.029	0.04	0.2	2.7	0.12	0.05	28	0.4	0.03	5.5	1.08
1071360	Soil		0.54	0.062	8.7	26.9	0.41	144.0	0.050	1	1.15	0.025	0.04	0.2	2.2	0.09	0.05	32	0.2	<0.02	4.5	0.89
1071361	Soil		0.58	0.068	20.0	35.6	0.71	173.5	0.086	2	1.94	0.026	0.05	0.4	4.2	0.15	0.04	32	0.2	0.04	5.2	2.03
1071362	Soil		0.64	0.076	21.7	37.5	0.74	195.9	0.087	2	2.05	0.026	0.05	0.5	4.3	0.15	0.04	41	0.3	0.04	5.6	2.21
1071363	Soil		0.38	0.043	12.7	33.3	0.67	145.0	0.077	1	1.78	0.023	0.04	0.2	2.8	0.13	0.03	27	0.2	0.03	5.9	1.44
1071364	Soil		0.46	0.076	18.2	41.3	0.80	194.8	0.069	2	2.19	0.019	0.05	0.3	3.6	0.16	0.05	27	0.2	0.07	6.3	1.69
1071365	Soil		0.61	0.081	16.8	40.9	0.76	213.4	0.067	2	2.17	0.018	0.05	0.2	4.0	0.15	0.05	37	0.2	0.03	6.3	1.64
1071366	Soil		0.57	0.075	18.4	45.2	0.82	186.2	0.065	1	2.42	0.018	0.05	0.2	4.6	0.14	0.04	36	0.1	<0.02	6.6	2.34
1071367	Soil		0.59	0.068	16.1	36.0	0.71	157.8	0.066	1	1.85	0.023	0.05	0.1	3.2	0.12	0.06	34	0.1	0.03	5.6	1.49
1071368	Soil		0.60	0.073	32.6	39.7	0.80	194.9	0.066	1	2.20	0.022	0.04	0.3	4.3	0.15	0.05	32	0.3	0.05	6.4	2.38
1071369	Soil		0.59	0.088	13.9	41.4	0.83	186.9	0.065	2	2.25	0.022	0.05	0.2	3.6	0.14	0.07	25	0.2	0.03	6.3	1.66
1071370	Agi Dagi A	Soil	0.03	0.023	7.5	16.3	0.12	54.7	0.009	<1	0.99	<0.001	0.05	0.3	1.6	0.19	<0.02	36	7.8	3.65	4.1	0.85
1071371	Soil		0.67	0.092	15.8	45.2	0.81	203.1	0.064	1	2.42	0.022	0.04	0.1	4.3	0.15	0.07	33	0.4	<0.02	6.4	1.58



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Report Date: October 18, 2011

Page: 8 of 10 **Part** 3

CERTIFICATE OF ANALYSIS

WHI11001389.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1075189	Soil	<0.1	0.08	1.27	10.8	1.0	<0.05	3.3	7.12	19.5	0.03	2	0.3	12.0	<10	<2	16.5
1075190 Agi Dagi B	Soil	<0.1	0.12	0.45	8.2	0.5	<0.05	7.2	2.49	14.9	0.02	<1	0.2	5.6	<10	<2	10.5
1075191	Soil	<0.1	0.10	1.33	13.4	0.5	<0.05	4.0	8.12	21.0	<0.02	<1	0.3	12.4	<10	<2	15.5
1075192	Soil	<0.1	0.06	1.31	11.0	1.1	<0.05	3.0	10.47	24.7	0.02	1	0.4	13.3	<10	<2	24.0
1075193	Soil	<0.1	0.08	1.35	16.0	1.8	<0.05	4.0	8.90	25.0	0.03	1	0.4	16.8	<10	<2	11.8
1075194	Soil	<0.1	0.04	1.63	11.0	0.8	<0.05	2.4	6.56	21.9	0.03	1	0.4	12.9	<10	<2	22.8
1075195	Soil	<0.1	0.04	1.09	5.8	0.5	<0.05	2.1	5.48	18.5	<0.02	<1	0.2	5.8	<10	<2	22.4
1075196	Soil	<0.1	0.08	1.43	8.1	1.0	<0.05	3.8	9.42	24.1	0.02	1	0.4	12.6	<10	<2	22.5
1075197	Soil	<0.1	0.06	0.98	11.7	0.7	<0.05	3.1	9.29	20.9	<0.02	<1	0.4	11.2	<10	<2	16.8
1071351	Soil	<0.1	0.03	1.00	9.0	0.8	<0.05	1.6	6.97	26.6	0.04	<1	0.5	16.8	<10	<2	15.4
1071352	Soil	<0.1	0.04	1.27	9.8	0.8	<0.05	1.9	8.14	30.6	0.02	<1	0.5	19.3	<10	<2	14.2
1071353	Soil	<0.1	0.04	1.07	10.6	0.7	<0.05	1.7	8.24	28.5	0.02	2	0.5	16.2	<10	2	16.2
1071354	Soil	<0.1	0.11	1.73	19.1	1.4	<0.05	5.0	11.18	39.3	0.03	<1	0.6	19.6	<10	<2	13.6
1071355	Soil	<0.1	0.11	1.72	12.5	2.4	<0.05	5.9	13.98	42.4	0.03	1	0.6	21.1	<10	<2	11.6
1071356	Soil	<0.1	0.05	1.31	11.1	0.8	<0.05	2.6	5.15	26.9	0.03	<1	0.4	15.9	<10	<2	11.6
1071357	Soil	<0.1	0.05	1.18	10.5	0.8	<0.05	2.0	12.45	42.9	0.03	<1	0.5	15.4	<10	<2	17.9
1071358	Soil	<0.1	0.08	2.03	17.5	1.2	<0.05	3.7	6.08	35.4	0.03	<1	0.4	17.1	<10	<2	11.3
1071359	Soil	<0.1	0.03	1.00	6.6	0.7	<0.05	1.7	5.44	20.1	0.03	<1	0.4	10.7	<10	<2	17.4
1071360	Soil	<0.1	0.03	1.04	8.9	1.7	<0.05	2.0	4.62	16.1	0.03	<1	0.3	8.6	<10	<2	19.0
1071361	Soil	<0.1	0.06	1.23	9.8	0.7	<0.05	2.7	9.38	31.2	0.03	<1	0.5	15.3	<10	<2	12.9
1071362	Soil	<0.1	0.05	1.27	12.2	0.8	<0.05	2.9	10.28	31.8	0.03	<1	0.4	16.6	<10	<2	14.0
1071363	Soil	0.1	0.04	1.14	9.4	0.7	<0.05	2.1	5.46	21.9	0.03	<1	0.3	14.5	<10	<2	13.2
1071364	Soil	<0.1	0.04	1.11	10.1	0.8	<0.05	1.7	8.24	27.8	0.03	<1	0.5	19.1	<10	<2	I.S.
1071365	Soil	<0.1	0.05	1.14	10.6	0.8	<0.05	2.1	8.39	27.3	0.04	1	0.5	18.0	<10	<2	16.5
1071366	Soil	<0.1	0.04	0.99	12.4	0.9	<0.05	1.6	9.55	29.1	0.04	<1	0.5	19.2	<10	<2	14.1
1071367	Soil	<0.1	0.04	1.06	11.0	0.6	<0.05	2.1	7.77	21.8	0.02	<1	0.4	14.6	<10	<2	17.2
1071368	Soil	<0.1	0.04	1.18	10.6	0.8	<0.05	1.9	17.32	29.0	0.03	<1	0.6	25.9	<10	<2	16.0
1071369	Soil	<0.1	0.03	1.18	9.5	0.9	<0.05	1.8	7.05	24.0	0.03	2	0.5	20.7	<10	<2	19.5
1071370 Agi Dagi A	Soil	<0.1	<0.02	0.39	8.8	3.1	<0.05	0.7	1.48	15.8	0.07	2	0.3	6.0	<10	7	5.6
1071371	Soil	<0.1	0.05	1.11	9.0	0.8	<0.05	2.3	10.31	28.2	0.04	<1	0.5	23.1	<10	<2	17.7



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Project: 210800
Report Date: October 18, 2011

Page: 9 of 10 **Part** 1

CERTIFICATE OF ANALYSIS

WHI11001389.1

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1071372	Soil	345.0	1956	2.43	34.58	8.59	60.7	65	33.9	13.9	590	3.34	9.4	4.4	2.0	6.7	37.1	0.19	0.51	0.23
1071373	Soil	226.0	1598	5.40	56.73	13.79	71.5	178	31.3	16.7	317	3.76	10.0	6.6	5.5	6.3	40.1	0.27	0.73	0.45
1071374	Soil	227.0	898.0	4.27	39.19	10.27	58.5	128	28.4	14.0	825	3.15	8.7	3.8	4.7	2.5	40.1	0.31	0.66	0.29
1071375	Soil	166.0	918.0	5.74	27.33	10.64	95.7	103	31.1	14.5	668	3.46	10.0	7.1	2.5	1.1	51.0	0.16	0.63	0.20
1071376	Soil	195.0	1968	3.29	29.35	23.36	83.3	125	33.7	13.5	447	3.39	8.2	4.4	3.4	5.3	38.1	0.40	0.55	0.29
1071377	Soil	196.0	874.0	4.48	37.70	24.64	81.1	303	28.2	14.0	534	3.70	12.7	4.8	3.7	2.7	41.3	0.71	0.69	0.56
1071378	Soil	5077	1670	2.78	25.43	19.92	65.4	202	27.4	11.2	440	2.86	8.0	4.0	7.9	4.2	28.1	0.40	0.58	0.73
1071379	Soil	190.0	1506	2.16	28.53	30.83	76.6	246	32.8	13.7	371	3.22	9.2	2.7	4.2	4.5	32.8	0.37	0.59	0.81
1071380	Soil	235.0	1014	2.47	22.99	12.02	86.7	91	28.1	11.5	367	3.67	12.2	0.9	3.5	1.3	28.7	0.49	0.76	0.28
1071381	Soil	264.0	2212	1.53	21.56	20.88	51.3	215	18.5	9.2	384	2.29	5.0	2.5	4.5	7.3	26.5	0.42	0.62	1.01
1071382	Soil	625.0	1214	1.61	25.10	16.99	60.6	314	21.7	8.2	205	2.33	6.6	4.3	4.4	4.4	28.1	0.30	0.61	0.70
1071383	Soil	390.0	984.0	2.03	29.31	13.62	67.6	214	26.0	12.1	525	2.68	8.7	2.6	11.9	3.3	38.5	0.30	0.55	0.54
1071384	Soil	647.0	1488	0.69	43.40	6.94	62.1	64	41.5	14.3	267	3.06	9.4	0.8	3.4	2.1	26.2	0.16	0.53	0.11
1071385	Soil	458.0	886.0	1.19	21.96	6.10	44.2	103	23.8	9.4	256	2.48	7.7	0.5	2.4	1.4	28.4	0.16	0.50	0.10
1071386	Soil	229.0	1854	1.13	27.91	8.57	71.7	74	41.8	16.2	568	3.15	17.5	0.7	2.9	1.9	37.9	0.15	0.51	0.12
1071387	Soil	128.0	1598	1.99	41.14	10.38	82.3	129	51.0	18.2	951	4.20	61.6	1.3	3.7	4.6	35.2	0.24	0.91	0.16
1071388	Soil	557.0	1178	1.38	39.89	6.92	63.6	80	37.0	15.0	282	3.10	9.0	1.2	5.3	2.0	32.8	0.16	0.55	0.11
1071389	Soil	78.00	388.0	0.99	35.05	6.00	67.2	128	40.2	13.0	496	2.37	6.9	0.8	2.4	0.8	48.8	0.22	0.48	0.08
1071390 Agi Dagi B	Soil	N.A.	N.A.	2.47	7.93	22.60	15.7	14	10.4	2.9	81	3.38	58.6	0.6	75.6	3.6	29.1	0.02	0.81	1.40
1071391	Soil	305.0	596.0	1.55	19.35	8.02	49.3	119	16.8	8.0	207	2.53	44.5	0.5	3.1	1.1	24.1	0.21	0.53	0.13
1071392	Soil	78.00	520.0	1.76	22.03	26.71	81.6	1057	12.8	6.3	294	2.37	68.2	2.7	3.4	2.1	28.0	1.18	0.57	0.27
1071393	Soil	189.0	552.0	1.58	35.33	9.97	144.3	214	27.0	10.0	701	2.74	42.0	0.9	2.6	1.1	19.6	2.21	0.58	0.15
1071394	Soil	112.0	420.0	1.65	30.87	5.95	56.2	150	18.1	6.6	157	2.52	17.1	1.0	2.6	0.8	16.7	1.16	0.54	0.18
1071395	Soil	271.0	600.0	1.71	26.05	5.74	86.1	81	20.2	8.5	278	2.39	6.1	0.6	2.6	1.0	21.3	2.21	0.61	0.15
1071396	Soil	298.0	620.0	1.74	26.32	5.16	43.2	44	20.7	8.6	158	2.53	7.2	0.4	2.3	1.3	17.9	5.46	0.54	0.12
1071397	Soil	112.0	328.0	1.54	32.48	4.21	32.5	101	14.7	4.5	80	1.63	4.9	1.5	2.8	0.2	17.8	1.22	0.44	0.10
1071398	Soil	112.0	344.0	1.33	17.48	4.20	34.7	53	13.8	5.5	125	2.10	5.9	0.4	5.0	0.8	17.3	0.45	0.51	0.13
1071399	Soil	97.00	298.0	1.14	32.12	4.68	52.7	121	16.5	6.2	142	1.96	10.2	0.8	1.4	0.4	32.3	1.75	0.40	0.11
1071400	Soil	64.00	560.0	1.60	21.47	6.07	42.3	65	19.6	7.3	176	2.60	9.0	0.4	2.0	0.7	19.4	0.25	0.52	0.10
1071401	Soil	119.0	598.0	1.24	33.45	5.34	52.3	108	23.8	11.8	382	2.60	26.8	0.8	11.2	1.3	35.6	0.22	0.63	0.10



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Report Date: October 18, 2011

Page: 9 of 10 Part 2

CERTIFICATE OF ANALYSIS

WHI11001389.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1071372	Soil	0.49	0.053	13.8	41.3	0.77	163.3	0.109	1	2.05	0.023	0.06	0.8	4.2	0.12	<0.02	16	0.2	<0.02	5.4	1.50
1071373	Soil	0.52	0.077	25.7	43.4	0.80	176.9	0.095	2	2.32	0.025	0.06	0.3	5.7	0.16	0.02	38	0.3	0.05	6.5	1.86
1071374	Soil	0.61	0.093	23.0	37.3	0.67	174.4	0.063	2	2.02	0.026	0.05	0.4	3.8	0.12	0.06	47	0.3	0.04	5.9	1.55
1071375	Soil	0.72	0.111	14.1	45.2	0.86	200.4	0.046	1	2.30	0.024	0.04	0.1	3.3	0.15	0.08	30	0.3	0.03	6.6	1.81
1071376	Soil	0.51	0.078	15.4	45.4	0.83	193.2	0.088	2	2.45	0.019	0.05	0.3	4.8	0.16	0.03	43	0.3	0.05	6.8	2.11
1071377	Soil	0.69	0.088	20.2	37.3	0.67	151.5	0.058	2	1.91	0.027	0.05	0.2	4.0	0.11	0.07	42	0.3	0.05	5.4	1.82
1071378	Soil	0.45	0.073	16.4	40.1	0.73	143.0	0.069	2	2.22	0.017	0.05	0.4	4.5	0.13	0.04	44	0.2	0.05	6.2	1.90
1071379	Soil	0.54	0.060	14.6	39.9	0.79	170.8	0.089	1	2.22	0.021	0.06	0.4	4.2	0.14	0.05	53	0.3	0.05	6.4	2.06
1071380	Soil	0.54	0.042	9.1	36.8	0.65	119.6	0.067	2	1.84	0.015	0.04	0.2	2.8	0.08	0.04	34	0.3	<0.02	6.8	1.23
1071381	Soil	0.47	0.071	17.1	28.9	0.55	125.7	0.124	1	1.50	0.025	0.07	1.4	3.3	0.15	0.02	39	<0.1	0.03	4.8	1.60
1071382	Soil	0.46	0.084	22.6	34.2	0.64	145.2	0.076	2	1.92	0.024	0.06	1.0	4.2	0.13	0.07	56	0.3	<0.02	5.4	1.51
1071383	Soil	0.75	0.082	18.3	34.1	0.66	163.2	0.080	<1	1.64	0.033	0.06	0.4	4.0	0.12	0.06	44	0.4	0.03	5.2	1.25
1071384	Soil	0.47	0.063	11.2	41.7	0.80	195.8	0.121	2	2.43	0.025	0.05	<0.1	4.9	0.10	0.02	44	0.4	<0.02	6.4	0.94
1071385	Soil	0.50	0.042	7.6	30.7	0.47	124.8	0.083	1	1.47	0.027	0.04	0.1	2.8	0.06	<0.02	21	0.3	<0.02	5.4	0.70
1071386	Soil	0.99	0.052	9.8	42.7	0.77	147.6	0.089	<1	1.91	0.034	0.08	0.1	4.4	0.10	0.04	29	0.4	0.04	5.7	1.10
1071387	Soil	0.82	0.083	20.1	54.2	0.98	188.3	0.074	2	2.02	0.025	0.09	0.2	4.8	0.11	0.03	24	0.6	0.03	5.7	1.44
1071388	Soil	0.72	0.063	12.6	42.6	0.77	169.4	0.101	1	2.10	0.032	0.06	0.1	5.2	0.09	0.04	42	0.4	0.03	6.1	0.91
1071389	Soil	1.51	0.076	10.0	36.6	0.67	165.8	0.068	3	1.62	0.034	0.06	<0.1	3.9	0.08	0.08	39	0.5	0.02	4.4	0.77
1071390 Agi Dagi B	Soil	0.04	0.019	7.7	19.4	0.13	63.6	0.022	2	1.08	0.002	0.07	0.1	2.2	0.09	0.03	26	2.4	0.31	7.5	0.78
1071391	Soil	0.35	0.028	5.4	27.6	0.44	79.1	0.081	2	1.11	0.035	0.04	0.1	2.2	0.05	0.03	23	0.4	0.02	5.8	1.32
1071392	Soil	0.35	0.062	10.7	26.9	0.36	76.9	0.053	<1	1.34	0.024	0.03	0.1	2.4	0.11	0.05	42	0.3	0.02	5.5	2.87
1071393	Soil	0.29	0.043	6.8	32.0	0.42	50.7	0.066	1	1.29	0.035	0.05	<0.1	2.7	0.08	0.02	20	0.2	<0.02	5.6	1.47
1071394	Soil	0.24	0.046	6.5	29.1	0.22	38.9	0.063	<1	1.19	0.019	0.04	0.2	2.2	0.07	0.05	50	0.5	0.03	5.3	1.16
1071395	Soil	0.29	0.030	8.0	26.4	0.33	57.9	0.063	<1	1.40	0.034	0.03	0.1	2.3	0.07	0.03	43	0.3	0.03	5.5	0.62
1071396	Soil	0.30	0.027	6.2	28.0	0.36	59.4	0.068	<1	1.38	0.029	0.04	<0.1	2.8	0.06	<0.02	19	0.2	0.04	4.8	0.62
1071397	Soil	0.26	0.060	11.1	21.7	0.20	65.0	0.035	<1	0.82	0.020	0.04	<0.1	1.8	0.05	0.07	36	0.3	<0.02	2.9	0.46
1071398	Soil	0.25	0.030	5.7	21.5	0.26	36.7	0.052	<1	1.03	0.024	0.03	0.4	2.1	0.04	0.03	36	0.3	0.04	3.9	0.45
1071399	Soil	0.65	0.068	8.2	25.2	0.34	113.6	0.041	2	1.18	0.028	0.04	<0.1	2.4	0.07	0.08	35	0.5	<0.02	3.6	0.56
1071400	Soil	0.29	0.034	5.5	27.8	0.38	73.4	0.068	1	1.27	0.020	0.04	<0.1	2.4	0.05	0.03	19	0.3	0.03	5.5	0.70
1071401	Soil	0.45	0.059	9.5	25.4	0.50	94.7	0.068	2	1.47	0.027	0.10	0.2	2.9	0.08	0.08	30	0.4	<0.02	4.2	1.56



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Report Date: October 18, 2011

Page: 9 of 10 **Part** 3

CERTIFICATE OF ANALYSIS

WHI11001389.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1071372	Soil	<0.1	0.09	0.99	9.2	0.9	<0.05	4.5	5.98	27.6	0.03	<1	0.4	14.4	<10	<2	8.4
1071373	Soil	<0.1	0.07	1.39	11.6	1.0	<0.05	4.4	12.24	42.4	0.03	1	0.5	15.7	<10	<2	11.2
1071374	Soil	<0.1	0.06	1.18	9.5	0.9	<0.05	2.3	8.63	33.4	0.04	<1	0.4	13.4	<10	<2	19.7
1071375	Soil	<0.1	0.03	0.83	8.7	1.2	<0.05	1.4	8.18	24.5	0.04	<1	0.5	19.0	<10	<2	19.7
1071376	Soil	<0.1	0.05	1.05	11.3	1.1	<0.05	2.0	6.81	28.0	0.03	<1	0.5	16.7	<10	<2	10.8
1071377	Soil	<0.1	0.04	1.12	10.9	1.0	<0.05	2.4	9.62	31.0	0.02	<1	0.5	13.0	<10	<2	22.6
1071378	Soil	<0.1	0.04	1.24	10.1	0.9	<0.05	2.7	7.49	29.1	0.04	2	0.5	14.4	<10	<2	14.5
1071379	Soil	<0.1	0.08	1.68	11.0	1.0	<0.05	4.3	6.74	27.9	0.04	<1	0.2	13.6	<10	<2	15.4
1071380	Soil	<0.1	0.03	1.26	6.9	0.7	<0.05	2.3	4.47	18.7	0.03	1	<0.1	13.4	<10	<2	16.0
1071381	Soil	<0.1	0.07	1.49	12.5	0.8	<0.05	4.2	7.59	31.6	<0.02	<1	0.2	9.7	<10	<2	8.5
1071382	Soil	<0.1	0.06	1.56	9.7	0.7	<0.05	3.3	8.98	41.0	0.02	<1	0.3	13.5	<10	<2	17.5
1071383	Soil	<0.1	0.06	1.66	10.9	0.8	<0.05	3.5	8.52	32.8	<0.02	<1	0.2	9.7	<10	<2	19.3
1071384	Soil	<0.1	0.11	1.57	7.4	0.7	<0.05	6.6	7.44	23.2	<0.02	<1	0.5	13.4	<10	2	12.0
1071385	Soil	<0.1	0.05	1.33	6.5	0.7	<0.05	3.3	4.00	16.9	<0.02	<1	0.1	8.6	<10	<2	13.4
1071386	Soil	<0.1	0.05	1.59	12.4	1.5	<0.05	3.7	6.34	22.5	0.02	<1	0.3	16.4	<10	<2	17.9
1071387	Soil	<0.1	0.04	1.07	12.2	1.0	<0.05	2.4	7.30	42.1	0.02	<1	0.7	17.3	<10	<2	14.5
1071388	Soil	<0.1	0.11	1.65	9.8	0.9	<0.05	5.9	9.55	26.8	0.03	<1	0.3	10.9	<10	<2	14.6
1071389	Soil	<0.1	0.07	1.38	8.9	1.9	<0.05	3.7	8.60	20.1	<0.02	<1	0.7	11.0	<10	<2	31.6
1071390 Agi Dagi B	Soil	<0.1	0.14	0.50	9.4	0.5	<0.05	7.7	2.32	16.0	0.02	<1	0.4	5.1	<10	<2	10.6
1071391	Soil	<0.1	0.06	1.16	7.3	0.6	<0.05	3.0	2.90	11.5	<0.02	<1	0.1	7.9	<10	<2	12.9
1071392	Soil	<0.1	0.05	1.56	5.1	1.2	<0.05	1.8	8.78	21.7	<0.02	<1	0.5	10.4	<10	<2	20.6
1071393	Soil	<0.1	0.04	1.13	5.6	0.9	<0.05	1.9	3.80	15.8	<0.02	<1	0.5	8.3	<10	<2	14.0
1071394	Soil	<0.1	0.03	1.33	4.4	0.9	<0.05	2.3	2.88	13.7	<0.02	<1	0.3	3.7	<10	<2	24.0
1071395	Soil	<0.1	0.04	1.25	4.3	0.6	<0.05	2.2	4.41	17.9	0.03	<1	0.3	4.4	<10	<2	I.S.
1071396	Soil	<0.1	0.07	1.19	5.2	0.6	<0.05	3.9	3.46	14.8	<0.02	<1	0.5	5.5	<10	<2	10.5
1071397	Soil	<0.1	0.03	0.81	2.9	0.6	<0.05	1.3	4.06	20.1	<0.02	<1	0.5	3.0	<10	<2	19.7
1071398	Soil	<0.1	0.03	0.86	3.1	0.5	<0.05	2.1	3.19	12.1	<0.02	2	0.3	4.2	<10	<2	35.2
1071399	Soil	<0.1	0.04	0.89	3.9	0.7	<0.05	2.0	4.31	17.0	<0.02	<1	0.3	5.3	<10	<2	31.4
1071400	Soil	<0.1	0.04	1.25	5.2	0.9	<0.05	2.4	2.51	12.2	<0.02	<1	0.2	8.7	<10	<2	17.7
1071401	Soil	<0.1	0.02	1.09	10.5	0.7	<0.05	1.8	6.11	20.8	<0.02	<1	0.5	9.1	<10	<2	22.2



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Project: 210800
Report Date: October 18, 2011

Page: 10 of 10 Part 1

CERTIFICATE OF ANALYSIS

WHI11001389.1

	Method Analyte	Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
			-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb
			g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm
			0	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
1071402	Soil		108.0	630.0	1.38	33.03	6.09	54.5	117	22.4	14.0	460	2.79	26.5	0.7	7.4	1.5	34.9	0.17	0.60
1071403	Soil		178.0	518.0	1.58	31.79	7.47	63.1	160	30.0	14.1	460	3.11	34.1	0.9	8.6	1.1	30.3	0.26	0.52
1076379	Soil		338.0	2670	0.95	46.01	6.68	61.3	110	46.0	17.8	447	3.31	13.8	0.8	7.7	2.4	31.1	0.11	0.41
1076380	Soil		340.0	712.0	1.70	26.85	7.49	64.5	128	23.4	16.2	697	3.22	24.5	1.3	10.6	1.8	54.4	0.16	0.52
1076381	Soil		248.0	862.0	1.29	21.70	5.66	46.9	103	13.5	8.5	319	2.20	10.5	1.7	4.4	0.8	38.9	0.15	0.48
1076382	Soil		158.0	572.0	1.07	26.92	5.49	49.2	109	15.7	12.2	451	2.61	12.7	2.8	6.9	1.6	55.5	0.18	0.50
1076383	Soil		445.0	890.0	1.76	43.52	6.66	65.6	154	29.9	16.7	646	2.96	27.0	2.2	17.2	1.7	54.9	0.25	0.64
1076384	Soil		558.0	892.0	1.65	54.32	7.20	65.0	153	31.9	18.2	533	3.32	21.9	1.3	12.7	1.8	46.6	0.24	0.53
1076385	Soil		204.0	672.0	1.18	41.67	5.35	40.0	81	24.8	11.8	271	2.43	15.5	0.8	10.3	0.9	33.9	0.10	0.43
1076386	Soil		504.0	1444	1.03	101.4	9.37	70.2	129	34.5	17.9	399	3.36	24.9	0.7	6.9	3.6	33.3	0.20	0.44
1076387	Soil		32.0000	750.0	1.07	49.68	7.66	77.9	105	37.2	18.3	577	3.28	16.4	0.9	5.8	2.0	36.0	0.28	0.38
1076388	Soil		572.0	886.0	1.40	38.41	7.42	70.9	138	29.7	11.9	517	2.91	10.9	4.9	2.6	2.3	51.2	0.27	0.47
1076389	Soil		532.0	2284	1.09	31.33	7.47	67.9	107	36.0	14.0	458	2.90	9.3	2.7	4.9	4.6	41.6	0.20	0.38
1076390 Agi Dagi B	Soil		N.A.	N.A.	2.49	7.55	23.33	16.8	8	9.8	3.0	81	3.43	54.4	0.8	93.5	4.2	27.9	0.03	0.82
1076391	Soil		471.0	1924	3.63	27.97	9.68	82.7	176	26.0	13.8	649	3.15	9.0	6.4	4.0	6.8	58.7	0.28	0.39
1076392	Soil		271.0	646.0	1.68	19.56	5.01	29.9	27	15.8	4.9	105	1.89	5.3	0.7	2.8	0.8	22.7	0.06	0.51
1076393	Soil		202.0	780.0	4.09	22.66	12.71	57.6	504	16.2	9.3	267	3.02	9.7	1.4	4.3	8.5	43.2	0.26	0.38
1076394	Soil		208.0	710.0	2.26	21.49	10.43	75.8	198	14.8	11.2	375	2.56	15.3	2.5	4.3	6.3	56.4	0.53	0.38
1076395	Soil		210.0	368.0	2.05	38.49	7.22	85.8	337	21.1	12.7	436	2.89	13.2	7.3	4.2	8.9	59.2	0.96	0.37
1076396	Soil		346.0	1380	5.91	24.30	7.17	66.1	217	16.2	9.8	333	2.92	14.1	2.6	3.9	6.2	57.3	0.18	0.42
1076397	Soil		318.0	490.0	2.97	38.60	7.32	89.2	226	17.9	9.9	334	2.40	13.2	2.1	3.3	1.5	31.4	0.55	0.46
1076398	Soil		438.0	600.0	5.09	76.42	10.34	191.0	320	22.0	14.0	554	3.34	28.0	9.6	4.6	8.6	54.7	2.96	0.52
1076399	Soil		358.0	502.0	10.68	54.15	8.81	98.1	232	19.9	11.1	444	2.95	13.5	4.4	2.9	3.4	31.9	0.93	0.52
1076400	Soil		214.0	1132	7.50	35.31	7.75	65.1	127	16.1	10.9	406	2.65	11.7	1.8	3.3	3.6	29.5	0.29	0.40
1081501	Soil		272.0	516.0	9.70	60.38	6.99	71.2	223	20.5	11.5	473	2.56	18.2	4.5	3.7	3.0	42.4	0.36	0.50
1081502	Soil		174.0	426.0	9.71	67.54	6.26	57.0	251	17.8	10.3	474	2.30	15.3	5.8	3.8	2.1	42.5	0.28	0.51
1081503	Soil		224.0	554.0	14.92	27.38	7.73	72.8	143	19.7	13.1	683	2.49	8.7	3.3	2.5	2.3	35.9	0.25	0.40
1075198	Soil		660.0	1226	2.93	18.29	7.72	51.3	92	21.8	14.2	830	2.92	7.4	1.1	4.4	0.7	28.7	0.11	0.45
1075199	Soil		570.0	1148	3.80	20.13	9.48	82.2	95	24.5	11.4	522	3.30	8.9	1.4	2.6	0.8	32.6	0.21	0.47
1075200	Soil		596.0	1158	5.09	21.31	20.68	80.4	103	28.3	13.5	634	3.69	11.0	2.1	2.8	1.0	30.6	0.22	0.50



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Project: 210800
Report Date: October 18, 2011

Page: 10 of 10 Part 2

CERTIFICATE OF ANALYSIS

WHI11001389.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1071402	Soil	0.48	0.052	9.0	25.8	0.49	103.1	0.073	2	1.53	0.029	0.08	<0.1	2.9	0.08	0.05	24	0.3	0.04	5.2	1.43
1071403	Soil	0.46	0.069	7.7	34.8	0.62	107.2	0.067	<1	2.05	0.022	0.06	<0.1	3.3	0.09	0.07	36	0.4	<0.02	6.6	1.73
1076379	Soil	0.55	0.065	11.4	48.4	0.90	184.6	0.128	1	2.71	0.026	0.09	0.1	5.3	0.13	0.02	26	0.2	<0.02	6.8	1.29
1076380	Soil	0.94	0.066	9.2	34.0	0.76	158.5	0.091	1	2.06	0.033	0.07	0.1	5.2	0.10	0.06	41	0.5	0.04	6.1	1.79
1076381	Soil	0.74	0.076	7.1	25.3	0.46	103.2	0.060	2	1.24	0.028	0.06	0.1	3.1	0.07	0.06	36	0.5	0.05	5.1	1.43
1076382	Soil	0.91	0.066	8.7	27.1	0.60	138.2	0.084	<1	1.62	0.030	0.10	0.1	4.6	0.10	0.05	32	0.4	<0.02	5.2	1.76
1076383	Soil	0.89	0.067	9.2	36.6	0.73	153.3	0.096	1	2.00	0.028	0.09	0.2	4.7	0.10	0.06	30	0.4	0.05	6.0	1.87
1076384	Soil	0.84	0.070	10.5	39.7	0.83	143.1	0.086	2	2.29	0.034	0.09	0.2	4.6	0.12	0.08	35	0.6	0.05	6.8	2.11
1076385	Soil	0.60	0.072	8.6	34.8	0.58	94.4	0.066	2	1.68	0.028	0.05	0.1	3.3	0.11	0.09	40	0.5	0.04	6.1	1.76
1076386	Soil	0.61	0.049	11.2	46.6	1.37	101.6	0.105	1	2.70	0.050	0.23	0.1	5.2	0.17	0.06	21	0.7	0.07	9.0	2.83
1076387	Soil	0.87	0.066	10.6	52.9	1.13	94.4	0.110	2	2.71	0.053	0.18	0.1	5.7	0.20	0.07	32	0.6	<0.02	9.3	2.01
1076388	Soil	1.02	0.077	11.0	38.2	0.66	173.7	0.081	2	1.98	0.032	0.09	0.1	4.9	0.11	0.05	41	0.4	<0.02	5.6	1.60
1076389	Soil	0.78	0.088	11.5	44.0	0.89	179.9	0.133	2	1.93	0.037	0.13	0.2	4.4	0.22	0.02	27	0.3	<0.02	6.1	2.03
1076390 Agi Dagi B	Soil	0.04	0.017	7.7	18.6	0.12	61.2	0.020	<1	0.96	<0.001	0.06	0.1	2.0	0.10	0.03	28	2.3	0.36	7.9	0.80
1076391	Soil	0.96	0.083	13.5	39.9	0.75	206.9	0.114	2	2.31	0.024	0.15	0.2	4.5	0.24	0.05	38	0.4	0.02	7.1	2.59
1076392	Soil	0.36	0.032	6.6	22.8	0.23	50.1	0.044	1	0.88	0.021	0.03	0.1	2.0	0.07	0.04	40	0.4	<0.02	3.9	0.56
1076393	Soil	0.61	0.043	9.1	33.8	0.66	144.1	0.161	1	2.02	0.026	0.13	0.5	3.2	0.25	0.04	40	0.4	0.05	7.2	2.98
1076394	Soil	0.91	0.053	9.1	30.5	0.67	161.2	0.138	1	1.96	0.022	0.17	0.5	3.3	0.28	0.05	55	0.2	0.03	6.7	3.36
1076395	Soil	0.99	0.066	16.5	35.7	0.75	235.1	0.146	2	2.25	0.026	0.23	0.4	3.7	0.34	0.06	43	0.3	0.03	7.0	3.56
1076396	Soil	0.88	0.048	9.3	32.7	0.70	186.2	0.147	2	2.18	0.022	0.14	1.0	3.5	0.28	0.04	47	0.3	0.03	7.7	4.15
1076397	Soil	0.57	0.069	7.2	30.2	0.39	96.0	0.062	2	1.24	0.022	0.05	0.4	2.5	0.14	0.06	50	0.3	0.06	6.1	2.16
1076398	Soil	0.90	0.075	15.3	36.2	0.80	224.1	0.142	2	2.18	0.031	0.22	1.1	3.9	0.38	0.06	85	0.2	<0.02	7.4	3.91
1076399	Soil	0.42	0.063	11.2	32.1	0.52	127.4	0.091	2	1.72	0.028	0.07	1.1	3.2	0.21	0.06	63	0.3	0.05	6.5	2.36
1076400	Soil	0.38	0.045	7.6	29.9	0.52	110.3	0.100	1	1.51	0.026	0.08	0.9	2.8	0.18	0.04	36	0.3	0.06	6.1	2.01
1081501	Soil	0.72	0.061	11.7	33.3	0.59	142.0	0.087	2	1.66	0.029	0.08	1.0	3.3	0.17	0.06	60	0.3	0.05	6.2	2.35
1081502	Soil	0.79	0.065	15.6	28.4	0.47	152.3	0.069	2	1.47	0.028	0.07	0.7	3.0	0.15	0.06	46	0.3	0.02	5.0	1.86
1081503	Soil	0.63	0.070	11.0	31.9	0.56	160.0	0.081	2	1.57	0.026	0.06	0.4	3.4	0.16	0.06	51	0.2	<0.02	5.7	2.01
1075198	Soil	0.40	0.056	10.1	33.4	0.59	136.3	0.051	1	1.69	0.024	0.04	0.1	2.4	0.13	0.05	28	0.3	0.02	5.7	1.49
1075199	Soil	0.49	0.060	8.6	38.0	0.73	145.8	0.049	1	1.77	0.016	0.04	0.1	2.4	0.11	0.05	25	0.2	0.03	6.9	1.53
1075200	Soil	0.43	0.086	10.6	41.1	0.82	147.5	0.049	2	2.33	0.010	0.04	0.1	2.9	0.14	0.05	44	0.2	0.03	7.3	1.64



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Project: 210800

Report Date: October 18, 2011

Page: 10 of 10 Part 3

CERTIFICATE OF ANALYSIS

WHI11001389.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1071402	Soil	<0.1	<0.02	1.09	10.5	0.5	<0.05	1.9	5.42	20.4	<0.02	<1	0.4	11.1	<10	<2
1071403	Soil	<0.1	0.03	1.42	8.6	0.7	<0.05	2.1	4.99	17.5	<0.02	<1	0.5	13.3	<10	<2
1076379	Soil	<0.1	0.08	1.34	12.0	0.6	<0.05	5.0	7.32	26.8	0.03	<1	0.4	13.7	<10	<2
1076380	Soil	<0.1	0.04	1.57	9.5	0.6	<0.05	2.9	7.72	20.3	0.02	<1	0.1	13.9	<10	<2
1076381	Soil	<0.1	0.04	1.19	8.3	0.5	<0.05	1.7	4.81	14.9	<0.02	<1	0.2	6.5	<10	<2
1076382	Soil	<0.1	0.03	1.31	10.7	0.6	<0.05	2.2	8.23	17.4	<0.02	<1	0.5	10.7	<10	<2
1076383	Soil	<0.1	0.03	1.55	10.7	0.5	<0.05	2.4	8.10	20.0	0.02	<1	0.5	14.8	<10	<2
1076384	Soil	<0.1	0.03	2.15	13.7	0.7	<0.05	2.5	8.23	22.3	0.03	<1	0.5	15.4	<10	<2
1076385	Soil	<0.1	0.04	1.83	9.0	0.6	<0.05	2.2	4.72	18.3	<0.02	<1	0.3	8.7	<10	<2
1076386	Soil	<0.1	0.02	2.02	24.4	1.8	<0.05	2.0	4.59	25.8	0.03	<1	1.0	25.5	<10	<2
1076387	Soil	<0.1	0.04	2.93	26.4	0.9	<0.05	2.9	5.92	23.5	0.03	<1	0.5	17.0	<10	<2
1076388	Soil	<0.1	0.06	1.65	13.0	0.9	<0.05	3.8	9.24	23.9	<0.02	<1	0.4	13.7	<10	2
1076389	Soil	<0.1	0.11	1.47	23.0	2.0	<0.05	4.3	8.15	23.2	0.04	<1	0.4	16.0	<10	<2
1076390 Agi Dag B	Soil	<0.1	0.11	0.62	9.3	0.5	<0.05	7.3	2.50	16.3	<0.02	<1	0.2	5.8	<10	<2
1076391	Soil	<0.1	0.08	2.08	22.9	1.4	<0.05	3.6	8.00	26.5	0.02	<1	0.6	19.5	<10	<2
1076392	Soil	<0.1	0.05	0.88	4.1	1.0	<0.05	2.0	3.42	13.2	<0.02	<1	0.2	3.9	<10	<2
1076393	Soil	<0.1	0.08	2.88	26.9	2.3	<0.05	3.3	3.71	17.8	<0.02	<1	0.3	13.0	<10	<2
1076394	Soil	<0.1	0.05	2.52	20.8	1.3	<0.05	2.6	4.40	17.4	<0.02	<1	0.6	14.8	<10	<2
1076395	Soil	<0.1	0.06	2.83	33.3	2.0	<0.05	3.6	7.27	28.1	0.02	<1	0.9	17.1	<10	<2
1076396	Soil	<0.1	0.07	2.51	20.1	1.1	<0.05	3.1	4.46	17.3	0.02	<1	1.1	16.5	<10	<2
1076397	Soil	<0.1	0.04	1.20	9.7	0.7	<0.05	2.2	3.82	14.9	0.04	<1	0.4	8.8	<10	<2
1076398	Soil	<0.1	0.07	2.36	34.3	1.3	<0.05	3.3	8.07	28.3	0.03	1	2.1	20.2	<10	<2
1076399	Soil	<0.1	0.05	1.77	13.0	1.2	<0.05	2.9	5.83	21.6	0.04	<1	1.0	12.9	<10	<2
1076400	Soil	<0.1	0.05	1.50	13.8	2.0	<0.05	2.8	3.76	15.1	0.02	<1	0.4	13.4	<10	<2
1081501	Soil	<0.1	0.07	1.63	13.5	1.4	<0.05	3.3	6.38	21.7	0.02	3	0.7	14.8	<10	<2
1081502	Soil	<0.1	0.05	1.28	11.8	1.0	<0.05	3.0	8.59	27.1	0.02	<1	0.7	10.7	<10	<2
1081503	Soil	<0.1	0.06	1.33	15.5	2.5	<0.05	2.6	6.10	21.4	0.02	<1	0.5	13.5	<10	<2
1075198	Soil	<0.1	0.03	0.77	8.6	0.6	<0.05	1.3	5.34	19.8	0.02	<1	0.3	10.8	<10	<2
1075199	Soil	<0.1	<0.02	0.84	10.9	1.3	<0.05	1.2	4.24	16.6	0.02	<1	0.3	14.7	<10	<2
1075200	Soil	<0.1	0.03	0.80	10.6	0.7	<0.05	1.3	5.34	21.5	0.04	<1	0.5	15.8	<10	<2



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Project: 210800

Report Date: October 18, 2011

Page: 1 of 3 Part 1

QUALITY CONTROL REPORT

WHI11001389.1

Method Analyte Unit MDL		SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0	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
Pulp Duplicates																					
1081002	Soil	260.0	1406	0.95	41.98	6.53	70.3	110	37.6	14.2	517	2.91	6.6	0.9	2.9	2.3	42.1	0.22	0.44	0.12	77
REP 1081002	QC			0.93	42.10	6.52	69.0	105	38.5	14.3	526	2.89	6.6	0.8	3.5	2.4	41.3	0.25	0.46	0.10	76
1081011	Soil	197.0	1844	2.25	36.08	13.96	74.7	163	30.2	12.5	488	3.43	11.7	4.8	2.9	5.8	34.6	0.23	0.69	0.77	82
REP 1081011	QC																				
1081029	Soil	531.0	1277	2.53	31.51	28.93	65.4	145	27.8	12.2	490	3.01	6.2	2.4	5.1	6.3	31.6	0.82	0.42	0.73	82
REP 1081029	QC			2.59	32.10	31.74	68.5	140	28.3	12.6	493	3.04	6.2	2.5	7.8	6.3	31.9	0.86	0.44	0.75	81
1081039	Soil	280.0	1590	1.10	40.89	25.92	66.7	358	24.6	12.0	232	3.18	7.0	4.6	8.8	10.2	30.4	0.41	1.90	1.95	77
REP 1081039	QC			1.15	41.52	26.79	68.9	367	26.6	12.2	248	3.17	7.0	4.8	11.9	10.7	31.3	0.41	1.92	2.02	77
1081062	Soil	284.0	1184	3.42	28.89	29.49	79.1	433	32.2	15.4	781	3.57	8.4	3.7	6.2	4.9	45.9	0.85	0.67	1.10	86
REP 1081062	QC																				
1081067	Soil	349.0	1492	1.70	49.73	17.90	64.0	348	26.7	14.2	531	3.84	12.1	3.8	3.4	7.1	33.1	0.38	1.33	1.18	77
REP 1081067	QC			1.52	46.71	16.88	61.7	323	25.3	13.7	475	3.73	11.2	3.6	2.6	6.7	31.6	0.37	1.27	1.16	76
1081077	Soil	306.0	612.0	2.02	27.96	9.92	77.5	142	27.1	17.1	688	3.29	12.4	1.3	4.1	0.9	34.1	0.22	0.68	0.37	72
REP 1081077	QC			2.03	27.63	10.19	75.8	148	27.2	16.7	689	3.28	12.2	1.2	1.4	1.0	32.9	0.21	0.66	0.40	73
1081098	Soil	344.0	604.0	1.56	41.24	7.10	61.6	199	30.8	17.4	506	2.80	8.8	0.9	2.9	0.8	37.2	0.27	0.65	0.12	78
REP 1081098	QC			1.58	40.18	6.86	57.9	185	29.8	17.7	502	2.80	8.4	0.9	3.4	0.8	34.9	0.26	0.64	0.11	78
1081108	Soil	234.0	818.0	1.39	37.07	7.39	47.8	120	32.6	11.9	295	3.00	42.6	0.8	6.5	1.3	32.8	0.11	0.63	0.29	75
REP 1081108	QC																				
1081111	Soil	208.0	904.0	2.03	29.83	8.22	81.0	149	33.7	15.4	690	3.49	12.5	1.4	4.5	3.1	39.4	0.18	0.58	0.20	87
REP 1081111	QC			1.99	31.61	8.48	83.4	151	34.2	15.2	685	3.43	12.8	1.4	3.3	3.2	40.7	0.18	0.57	0.19	85
1081133	Soil	398.0	966.0	1.68	27.36	9.41	65.4	52	31.3	14.4	638	3.32	10.0	0.8	3.2	2.1	36.3	0.25	0.57	0.24	88
REP 1081133	QC			1.71	26.58	8.96	64.9	57	31.5	15.0	648	3.31	10.2	0.9	6.8	2.0	37.2	0.29	0.56	0.24	88
1081135	Soil	370.0	556.0	1.68	30.86	7.19	59.1	125	25.1	12.9	719	2.78	19.6	1.8	4.0	1.1	46.2	0.13	0.64	0.19	63
REP 1081135	QC																				
1075746	Soil	302.0	1490	0.99	45.24	7.43	56.2	101	37.4	14.2	371	3.10	8.6	1.1	1.8	2.3	34.3	0.11	0.52	0.14	77
REP 1075746	QC			1.02	47.63	7.39	57.6	98	38.9	14.3	374	3.08	8.7	1.1	3.0	2.3	36.2	0.14	0.55	0.13	77
1075178	Soil	206.0	1208	0.78	36.74	5.00	53.9	71	38.2	11.5	339	2.36	5.7	1.3	4.4	2.6	39.6	0.14	0.34	0.09	61
REP 1075178	QC			0.80	33.72	4.94	51.7	68	35.8	11.2	330	2.38	5.6	1.3	1.4	2.6	40.0	0.14	0.32	0.09	62



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Report Date: October 18, 2011

Page: 1 of 3 Part 2

QUALITY CONTROL REPORT

WHI11001389.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
Pulp Duplicates																					
1081002	Soil	1.17	0.089	13.2	46.2	0.92	179.9	0.121	3	1.85	0.043	0.10	0.2	5.3	0.12	0.03	36	0.4	<0.02	5.4	0.94
REP 1081002	QC	1.16	0.087	13.1	49.2	0.93	173.1	0.120	2	1.82	0.043	0.10	0.1	5.2	0.11	0.03	30	0.5	<0.02	5.5	0.95
1081011	Soil	0.55	0.070	21.9	44.0	0.72	201.0	0.105	1	2.20	0.020	0.06	0.5	5.6	0.17	0.02	33	0.5	0.02	6.6	2.22
REP 1081011	QC																				
1081029	Soil	0.44	0.059	13.7	35.9	0.63	136.7	0.112	1	1.89	0.026	0.06	1.3	4.1	0.10	<0.02	30	0.2	0.02	5.0	2.25
REP 1081029	QC	0.43	0.060	14.2	35.6	0.64	141.5	0.107	2	1.83	0.025	0.05	1.2	3.9	0.10	<0.02	21	0.2	<0.02	5.2	2.21
1081039	Soil	0.46	0.062	23.2	38.2	0.72	186.1	0.101	2	2.09	0.023	0.07	0.7	5.9	0.16	<0.02	36	0.4	0.07	6.1	2.25
REP 1081039	QC	0.46	0.068	24.5	39.2	0.73	192.3	0.100	2	2.04	0.022	0.07	0.8	6.0	0.15	<0.02	47	0.3	0.06	6.2	2.26
1081062	Soil	0.66	0.060	13.9	60.9	1.05	162.1	0.068	1	2.18	0.045	0.06	0.6	4.9	0.10	0.03	51	0.2	0.07	5.7	2.00
REP 1081062	QC																				
1081067	Soil	0.43	0.075	22.7	36.8	0.75	174.9	0.080	2	2.15	0.017	0.06	0.4	6.0	0.13	0.02	34	0.5	0.05	6.2	2.60
REP 1081067	QC	0.38	0.072	22.7	35.3	0.73	168.4	0.078	2	2.12	0.017	0.06	0.4	5.5	0.13	0.02	42	0.4	0.06	5.5	2.53
1081077	Soil	0.56	0.070	10.2	38.1	0.63	135.8	0.057	2	1.79	0.029	0.04	0.2	2.9	0.10	0.06	57	0.5	0.08	5.6	1.10
REP 1081077	QC	0.57	0.067	10.5	37.7	0.62	139.5	0.056	2	1.78	0.029	0.04	0.2	3.1	0.10	0.06	40	0.5	0.04	5.7	1.15
1081098	Soil	0.68	0.063	10.3	37.2	0.56	158.5	0.065	2	1.96	0.030	0.05	0.1	4.1	0.10	0.06	47	0.8	0.06	6.7	1.30
REP 1081098	QC	0.69	0.064	10.0	36.7	0.56	152.2	0.062	2	1.96	0.031	0.05	0.1	3.9	0.10	0.06	36	0.6	0.10	6.4	1.23
1081108	Soil	0.57	0.054	11.3	42.9	0.56	137.8	0.076	2	2.15	0.029	0.04	0.1	3.9	0.10	0.04	39	0.6	0.11	6.2	0.99
REP 1081108	QC																				
1081111	Soil	0.88	0.068	11.3	46.3	0.74	196.9	0.105	2	2.09	0.025	0.07	0.2	4.7	0.13	0.04	45	0.5	<0.02	6.7	1.49
REP 1081111	QC	0.86	0.073	12.2	46.0	0.73	213.0	0.108	2	2.03	0.024	0.07	0.2	4.7	0.14	0.04	30	0.5	0.02	7.0	1.49
1081133	Soil	0.57	0.054	9.5	39.2	0.71	173.3	0.099	2	2.03	0.023	0.06	0.2	4.0	0.10	0.03	18	0.4	<0.02	7.4	3.64
REP 1081133	QC	0.57	0.053	9.5	39.0	0.72	175.6	0.098	2	2.07	0.023	0.06	0.2	4.0	0.09	0.03	30	0.4	<0.02	7.6	3.54
1081135	Soil	0.85	0.084	21.3	34.7	0.53	202.0	0.059	3	1.90	0.032	0.05	0.1	3.6	0.11	0.07	42	0.7	<0.02	5.6	2.17
REP 1081135	QC																				
1075746	Soil	0.81	0.046	14.6	42.9	0.75	197.1	0.092	2	2.07	0.034	0.06	<0.1	4.9	0.11	<0.02	44	0.2	0.03	5.9	0.91
REP 1075746	QC	0.82	0.047	15.1	42.8	0.74	203.8	0.093	3	2.09	0.034	0.06	0.1	4.8	0.11	<0.02	43	0.3	0.05	6.4	0.91
1075178	Soil	0.94	0.076	13.1	46.4	0.78	169.9	0.109	2	1.50	0.036	0.10	0.1	4.0	0.13	0.03	25	0.2	0.04	4.7	1.11
REP 1075178	QC	0.97	0.075	13.3	47.8	0.80	167.7	0.108	2	1.52	0.037	0.10	0.2	4.1	0.13	0.03	22	0.2	<0.02	4.5	1.07



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Report Date:

October 18, 2011

Page:

1 of 3

Part 3

QUALITY CONTROL REPORT

WHI11001389.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
Pulp Duplicates																	
1081002	Soil	<0.1	0.12	1.40	11.0	1.0	<0.05	6.2	10.66	27.6	0.02	<1	0.4	11.3	<10	<2	14.0
REP 1081002	QC	<0.1	0.11	1.44	11.2	1.1	<0.05	6.4	10.71	27.1	0.03	<1	0.3	11.2	<10	<2	
1081011	Soil	<0.1	0.12	1.40	11.9	1.4	<0.05	5.7	9.14	36.9	0.03	2	0.5	14.4	<10	<2	11.7
REP 1081011	QC																11.9
1081029	Soil	<0.1	0.05	0.80	8.8	0.6	<0.05	4.3	6.72	31.5	0.02	1	0.4	10.2	<10	<2	6.7
REP 1081029	QC	<0.1	0.08	0.76	9.2	0.6	<0.05	4.6	6.63	31.2	0.03	<1	0.5	10.8	<10	<2	
1081039	Soil	<0.1	0.12	1.49	16.8	1.8	<0.05	7.8	12.21	47.3	0.02	<1	0.4	15.1	<10	<2	I.S.
REP 1081039	QC	<0.1	0.13	1.53	17.3	1.8	<0.05	8.2	12.60	49.2	0.03	<1	0.7	15.3	<10	<2	
1081062	Soil	<0.1	0.03	1.01	9.1	1.1	<0.05	2.5	7.21	33.3	0.03	<1	0.6	17.0	<10	<2	12.8
REP 1081062	QC																13.2
1081067	Soil	<0.1	0.06	1.08	13.8	1.2	<0.05	3.5	12.13	43.3	0.04	<1	0.6	16.7	<10	<2	10.3
REP 1081067	QC	<0.1	0.04	1.09	12.1	1.1	<0.05	3.4	11.34	42.8	0.03	<1	0.6	15.7	<10	<2	
1081077	Soil	<0.1	0.03	1.02	7.9	0.5	<0.05	1.5	5.55	21.5	0.03	<1	0.3	12.6	<10	<2	21.6
REP 1081077	QC	<0.1	0.03	0.97	7.5	0.6	<0.05	1.7	5.64	23.2	0.03	<1	0.5	12.6	<10	<2	
1081098	Soil	<0.1	0.06	1.17	7.7	0.6	<0.05	2.1	6.69	22.4	<0.02	<1	0.4	11.2	<10	<2	24.8
REP 1081098	QC	<0.1	0.04	1.20	7.3	0.6	<0.05	2.0	6.35	21.3	0.02	<1	0.5	11.5	<10	<2	
1081108	Soil	<0.1	0.05	1.40	6.0	1.2	<0.05	3.4	6.59	24.0	0.03	<1	0.5	9.8	<10	<2	22.0
REP 1081108	QC																21.8
1081111	Soil	<0.1	0.10	1.69	11.7	0.6	<0.05	3.8	7.44	25.9	0.03	<1	0.4	15.6	<10	<2	20.5
REP 1081111	QC	<0.1	0.08	1.75	11.8	0.6	<0.05	3.6	7.61	26.4	0.04	<1	0.3	14.9	<10	<2	
1081133	Soil	<0.1	0.04	1.17	9.0	0.8	<0.05	2.9	5.40	21.8	0.03	<1	0.4	14.8	<10	<2	13.5
REP 1081133	QC	<0.1	0.05	1.17	8.8	0.8	<0.05	3.0	5.35	21.4	0.03	2	0.3	14.9	<10	<2	
1081135	Soil	<0.1	0.02	1.10	9.5	1.1	<0.05	2.0	13.30	37.5	0.02	2	0.6	9.3	<10	<2	28.1
REP 1081135	QC																28.2
1075746	Soil	<0.1	0.09	1.46	8.5	0.8	<0.05	4.6	10.41	29.4	0.02	<1	0.7	15.8	<10	<2	11.6
REP 1075746	QC	<0.1	0.07	1.51	8.5	0.9	<0.05	4.6	10.63	29.3	0.03	<1	0.4	15.3	<10	<2	
1075178	Soil	<0.1	0.07	1.28	13.0	1.1	<0.05	3.3	8.94	23.0	0.02	<1	0.3	13.0	<10	<2	12.4
REP 1075178	QC	<0.1	0.06	1.33	12.6	1.1	<0.05	3.5	9.26	23.2	<0.02	<1	0.3	12.7	<10	<2	



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Project: 210800

Report Date: October 18, 2011

Page: 2 of 3 Part 1

QUALITY CONTROL REPORT

WHI11001389.1

		SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1075182	Soil	94.00	1374	0.75	28.05	6.62	50.1	74	27.9	11.2	508	2.26	4.8	1.0	2.1	1.3	55.6	0.20	0.43	0.09
REP 1075182	QC																			
1071353	Soil	383.0	1330	2.66	27.70	10.13	81.3	184	29.4	14.1	613	3.43	12.1	5.1	4.1	2.5	37.1	0.20	0.81	0.70
REP 1071353	QC			2.63	26.83	9.95	79.7	180	29.2	14.0	599	3.43	11.6	5.1	7.8	2.5	35.1	0.19	0.76	0.69
1071364	Soil	352.0	766.0	3.40	30.48	10.31	78.3	166	27.7	13.4	605	3.45	10.2	8.4	2.5	2.6	32.8	0.17	0.80	0.46
REP 1071364	QC			3.37	29.61	10.24	77.9	172	27.4	13.3	593	3.45	10.3	8.3	2.5	2.6	33.3	0.17	0.77	0.46
1071373	Soil	226.0	1598	5.40	56.73	13.79	71.5	178	31.3	16.7	317	3.76	10.0	6.6	5.5	6.3	40.1	0.27	0.73	0.45
REP 1071373	QC																			
1071395	Soil	271.0	600.0	1.71	26.05	5.74	86.1	81	20.2	8.5	278	2.39	6.1	0.6	2.6	1.0	21.3	2.21	0.61	0.15
REP 1071395	QC			1.49	25.19	4.56	80.4	69	19.8	8.0	281	2.31	5.8	0.5	2.6	0.8	16.7	1.76	0.50	0.13
1076379	Soil	338.0	2670	0.95	46.01	6.68	61.3	110	46.0	17.8	447	3.31	13.8	0.8	7.7	2.4	31.1	0.11	0.41	0.11
REP 1076379	QC			0.93	43.74	6.69	62.6	114	44.4	18.0	449	3.34	13.6	0.8	4.2	2.4	30.8	0.11	0.43	0.11
1076389	Soil	532.0	2284	1.09	31.33	7.47	67.9	107	36.0	14.0	458	2.90	9.3	2.7	4.9	4.6	41.6	0.20	0.38	0.22
REP 1076389	QC			1.14	32.43	7.50	68.7	109	35.7	14.4	476	2.97	9.5	2.7	6.2	4.5	43.5	0.17	0.35	0.20
1076393	Soil	202.0	780.0	4.09	22.66	12.71	57.6	504	16.2	9.3	267	3.02	9.7	1.4	4.3	8.5	43.2	0.26	0.38	0.26
REP 1076393	QC																			
1075198	Soil	660.0	1226	2.93	18.29	7.72	51.3	92	21.8	14.2	830	2.92	7.4	1.1	4.4	0.7	28.7	0.11	0.45	0.17
REP 1075198	QC																			
Reference Materials																				
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DS8	Standard			13.04	108.1	118.2	323.8	1763	37.9	7.5	596	2.44	24.7	2.7	105.2	6.6	63.8	2.23	5.47	6.60
STD DS8	Standard			13.74	109.3	122.3	326.0	1798	37.7	7.1	612	2.45	26.5	2.9	113.3	7.4	62.8	2.34	5.40	5.77



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Page: 2 of 3 Part 2

QUALITY CONTROL REPORT

WHI11001389.1

		1F30 Ca %	1F30 P %	1F30 La ppm	1F30 Cr ppm	1F30 Mg %	1F30 Ba ppm	1F30 Ti %	1F30 B ppm	1F30 Al %	1F30 Na %	1F30 K %	1F30 W ppm	1F30 Sc ppm	1F30 Ti ppm	1F30 S %	1F30 Hg ppb	1F30 Se ppm	1F30 Te ppm	1F30 Ga ppm	1F30 Cs ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1075182	Soil	1.65	0.065	11.4	32.0	0.63	149.2	0.079	3	1.34	0.036	0.07	0.1	3.6	0.10	0.06	35	0.3	<0.02	3.8	0.70
REP 1075182	QC																				
1071353	Soil	0.53	0.070	17.2	40.1	0.75	173.4	0.067	2	2.19	0.018	0.05	0.3	3.6	0.14	0.05	27	0.2	0.04	6.2	1.72
REP 1071353	QC	0.50	0.069	16.9	40.2	0.75	170.9	0.062	2	2.19	0.017	0.05	0.3	3.5	0.13	0.05	40	0.2	0.05	6.0	1.70
1071364	Soil	0.46	0.076	18.2	41.3	0.80	194.8	0.069	2	2.19	0.019	0.05	0.3	3.6	0.16	0.05	27	0.2	0.07	6.3	1.69
REP 1071364	QC	0.46	0.077	18.5	40.5	0.79	190.5	0.067	2	2.21	0.019	0.05	0.3	3.5	0.15	0.05	31	0.3	0.04	6.4	1.65
1071373	Soil	0.52	0.077	25.7	43.4	0.80	176.9	0.095	2	2.32	0.025	0.06	0.3	5.7	0.16	0.02	38	0.3	0.05	6.5	1.86
REP 1071373	QC																				
1071395	Soil	0.29	0.030	8.0	26.4	0.33	57.9	0.063	<1	1.40	0.034	0.03	0.1	2.3	0.07	0.03	43	0.3	0.03	5.5	0.62
REP 1071395	QC	0.29	0.034	6.4	27.1	0.37	47.9	0.056	1	1.30	0.029	0.03	<0.1	2.6	0.05	0.03	35	0.3	0.03	4.9	0.48
1076379	Soil	0.55	0.065	11.4	48.4	0.90	184.6	0.128	1	2.71	0.026	0.09	0.1	5.3	0.13	0.02	26	0.2	<0.02	6.8	1.29
REP 1076379	QC	0.55	0.062	11.1	47.5	0.88	175.5	0.131	3	2.71	0.026	0.09	0.1	5.4	0.13	0.02	23	0.4	0.02	6.6	1.29
1076389	Soil	0.78	0.088	11.5	44.0	0.89	179.9	0.133	2	1.93	0.037	0.13	0.2	4.4	0.22	0.02	27	0.3	<0.02	6.1	2.03
REP 1076389	QC	0.80	0.091	11.8	45.5	0.92	183.9	0.143	2	2.00	0.040	0.14	0.2	4.7	0.23	0.02	19	0.2	<0.02	6.0	2.05
1076393	Soil	0.61	0.043	9.1	33.8	0.66	144.1	0.161	1	2.02	0.026	0.13	0.5	3.2	0.25	0.04	40	0.4	0.05	7.2	2.98
REP 1076393	QC																				
1075198	Soil	0.40	0.056	10.1	33.4	0.59	136.3	0.051	1	1.69	0.024	0.04	0.1	2.4	0.13	0.05	28	0.3	0.02	5.7	1.49
REP 1075198	QC																				
Reference Materials																					
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DS8	Standard	0.72	0.076	15.2	121.7	0.60	259.9	0.113	3	1.04	0.092	0.46	3.1	2.3	5.24	0.15	201	4.9	5.18	4.8	2.35
STD DS8	Standard	0.72	0.087	15.1	120.5	0.61	267.7	0.103	2	0.97	0.102	0.43	2.7	2.3	5.15	0.16	187	5.0	5.16	4.7	2.44



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Report Date: October 18, 2011

Page: 2 of 3 Part 3

QUALITY CONTROL REPORT

WHI11001389.1

		1F30 Ge ppm 0.1	1F30 Hf ppm 0.02	1F30 Nb ppm 0.02	1F30 Rb ppm 0.1	1F30 Sn ppm 0.1	1F30 Ta ppm 0.05	1F30 Zr ppm 0.1	1F30 Y ppm 0.01	1F30 Ce ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2	LOI %
1075182	Soil	<0.1	0.09	1.43	10.0	2.1	<0.05	4.2	8.77	23.4	<0.02	<1	0.3	10.6	<10	<2	25.5
REP 1075182	QC																25.8
1071353	Soil	<0.1	0.04	1.07	10.6	0.7	<0.05	1.7	8.24	28.5	0.02	2	0.5	16.2	<10	2	16.2
REP 1071353	QC	<0.1	0.04	1.04	9.6	0.7	<0.05	1.9	8.03	28.3	0.03	<1	0.5	16.1	<10	<2	
1071364	Soil	<0.1	0.04	1.11	10.1	0.8	<0.05	1.7	8.24	27.8	0.03	<1	0.5	19.1	<10	<2	I.S.
REP 1071364	QC	<0.1	0.03	1.15	10.4	0.8	<0.05	1.7	8.46	28.4	0.03	<1	0.5	18.3	<10	<2	
1071373	Soil	<0.1	0.07	1.39	11.6	1.0	<0.05	4.4	12.24	42.4	0.03	1	0.5	15.7	<10	<2	11.2
REP 1071373	QC																11.1
1071395	Soil	<0.1	0.04	1.25	4.3	0.6	<0.05	2.2	4.41	17.9	0.03	<1	0.3	4.4	<10	<2	I.S.
REP 1071395	QC	<0.1	0.03	1.02	3.4	0.6	<0.05	1.8	3.55	14.1	<0.02	<1	0.3	5.6	<10	<2	
1076379	Soil	<0.1	0.08	1.34	12.0	0.6	<0.05	5.0	7.32	26.8	0.03	<1	0.4	13.7	<10	<2	10.9
REP 1076379	QC	<0.1	0.06	1.33	11.7	0.6	<0.05	5.0	7.13	25.8	0.03	<1	0.6	15.9	<10	<2	
1076389	Soil	<0.1	0.11	1.47	23.0	2.0	<0.05	4.3	8.15	23.2	0.04	<1	0.4	16.0	<10	<2	9.8
REP 1076389	QC	<0.1	0.09	1.58	23.9	2.1	<0.05	4.6	8.47	24.2	0.03	2	0.4	16.7	<10	<2	
1076393	Soil	<0.1	0.08	2.88	26.9	2.3	<0.05	3.3	3.71	17.8	<0.02	<1	0.3	13.0	<10	<2	20.6
REP 1076393	QC																20.6
1075198	Soil	<0.1	0.03	0.77	8.6	0.6	<0.05	1.3	5.34	19.8	0.02	<1	0.3	10.8	<10	<2	16.3
REP 1075198	QC																16.3
Reference Materials																	
STD DOLOMITE-2	Standard																46.1
STD DOLOMITE-2	Standard																45.9
STD DOLOMITE-2	Standard																45.8
STD DOLOMITE-2	Standard																45.3
STD DOLOMITE-2	Standard																45.8
STD DOLOMITE-2	Standard																45.8
STD DOLOMITE-2	Standard																45.7
STD DOLOMITE-2	Standard																45.8
STD DS8	Standard	0.1	0.09	1.44	37.1	6.5	<0.05	1.9	5.92	28.0	2.18	60	5.4	22.9	123	324	
STD DS8	Standard	<0.1	0.08	1.44	38.5	6.7	<0.05	2.3	6.23	29.0	2.14	60	5.6	29.3	101	320	



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Report Date: October 18, 2011

Page: 3 of 3 Part 1

QUALITY CONTROL REPORT

WHI11001389.1

		SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0	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
STD DS8	Standard			13.59	112.5	120.3	333.7	1834	37.4	7.7	609	2.44	25.3	2.7	119.8	6.6	63.3	2.37	5.55	6.68	42
STD DS8	Standard			13.22	109.8	115.7	310.6	1772	37.1	7.6	605	2.43	25.1	2.5	111.8	6.4	62.3	2.27	5.53	6.45	46
STD DS8	Standard			12.52	110.0	122.6	312.7	1728	36.6	7.2	590	2.50	23.9	2.9	109.8	7.0	67.2	2.33	5.59	6.81	41
STD DS8	Standard			12.94	106.6	125.2	313.4	1732	36.1	7.2	589	2.40	24.5	2.8	102.5	6.9	64.6	2.30	5.59	6.76	41
STD DS8	Standard			13.10	112.2	108.0	306.2	1624	38.3	7.7	596	2.40	25.7	2.4	105.1	5.9	61.7	2.21	4.91	5.53	40
STD DS8	Standard			12.09	102.2	117.9	296.8	1693	35.9	6.9	588	2.35	22.0	2.7	111.6	6.6	60.3	2.07	4.85	5.62	39
STD DS8 Expected				13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1
STD DOLOMITE-2 Expected																					
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
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
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
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
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
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
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
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



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Page: 3 of 3 Part 2

QUALITY CONTROL REPORT

WHI11001389.1

		1F30 Ca %	1F30 P %	1F30 La ppm	1F30 Cr ppm	1F30 Mg %	1F30 Ba ppm	1F30 Ti %	1F30 B ppm	1F30 Al %	1F30 Na %	1F30 K %	1F30 W ppm	1F30 Sc ppm	1F30 Ti ppm	1F30 S %	1F30 Hg ppb	1F30 Se ppm	1F30 Te ppm	1F30 Ga ppm	1F30 Cs ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
STD DS8	Standard	0.72	0.078	16.2	121.3	0.61	273.6	0.113	2	0.97	0.108	0.43	2.9	2.2	5.43	0.16	190	4.8	4.77	4.7	2.48
STD DS8	Standard	0.71	0.077	15.8	120.0	0.60	275.5	0.117	3	0.93	0.099	0.42	3.0	2.3	5.21	0.16	209	5.0	4.89	4.8	2.34
STD DS8	Standard	0.72	0.075	16.0	116.7	0.62	265.2	0.110	3	0.97	0.102	0.42	2.8	2.4	5.20	0.16	181	4.7	4.89	4.2	2.30
STD DS8	Standard	0.71	0.082	16.6	114.2	0.60	277.8	0.109	3	0.94	0.102	0.42	2.9	2.3	5.30	0.16	187	5.1	5.03	4.7	2.46
STD DS8	Standard	0.72	0.086	14.7	117.9	0.60	254.5	0.122	2	1.00	0.119	0.44	2.6	2.4	4.96	0.16	186	5.0	4.91	4.6	2.30
STD DS8	Standard	0.69	0.074	14.6	113.8	0.58	247.2	0.108	3	0.89	0.092	0.40	2.9	2.2	5.25	0.16	182	5.2	5.21	4.5	2.41
STD DS8 Expected		0.7	0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48
STD DOLOMITE-2 Expected																					
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02



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Project: 210800

Report Date: October 18, 2011

Page: 3 of 3 Part 3

QUALITY CONTROL REPORT

WHI11001389.1

		1F30 Ge ppm 0.1	1F30 Hf ppm 0.02	1F30 Nb ppm 0.02	1F30 Rb ppm 0.1	1F30 Sn ppm 0.1	1F30 Ta ppm 0.05	1F30 Zr ppm 0.1	1F30 Y ppm 0.01	1F30 Ce ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2	LOI %
STD DS8	Standard	<0.1	0.12	1.34	36.4	6.8	<0.05	2.0	5.76	29.7	2.26	64	5.5	23.4	132	340	
STD DS8	Standard	0.2	0.10	1.37	37.6	6.5	<0.05	2.2	5.98	28.8	2.21	62	5.2	22.1	112	335	
STD DS8	Standard	0.1	0.10	1.43	35.6	6.9	<0.05	1.9	5.93	27.7	2.11	52	4.9	26.0	110	336	
STD DS8	Standard	0.1	0.08	1.50	38.9	6.4	<0.05	2.0	6.23	28.2	2.07	54	4.8	29.2	109	334	
STD DS8	Standard	<0.1	0.10	1.48	37.0	6.1	<0.05	2.3	6.20	29.9	1.96	54	4.8	25.2	110	318	
STD DS8	Standard	<0.1	0.08	1.36	38.1	6.1	<0.05	1.9	6.04	27.2	2.19	57	4.8	26.0	102	339	
STD DS8 Expected		0.13	0.08	1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339	
STD DOLOMITE-2 Expected																	46
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	



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Submitted By: Andrea Langerud

Receiving Lab: Canada-Whitehorse

Received: August 22, 2011

Report Date: November 30, 2011

Page: 1 of 10

CERTIFICATE OF ANALYSIS

WHI11001389.2

CLIENT JOB INFORMATION

Project: 210800
Shipment ID: YTG-014
P.O. Number
Number of Samples: 270

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.

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

CC: Randy Farmer
Rupa Mukherjee

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	257	Dry at 60C sieve 100g to -80 mesh			WHI
Dry at 60C	257	Dry at 60C			WHI
RJSV	257	Saving all or part of Soil Reject			WHI
1F06	270	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN
2A05	267	Loss on Ignition at 1000 C		Completed	VAN

ADDITIONAL COMMENTS

Version 2: Revised Sample IDs - Samples 1071351 to 1071403 should be listed as 1081351 to 1081403.



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



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Project: 210800
Report Date: November 30, 2011

Page: 2 of 10 Part 1

CERTIFICATE OF ANALYSIS

WHI11001389.2

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1081001	Soil	217.0	1560	0.93	37.94	5.73	64.9	92	33.2	13.8	524	2.72	6.6	0.8	2.3	1.9	40.3	0.21	0.44	0.11
1081002	Soil	260.0	1406	0.95	41.98	6.53	70.3	110	37.6	14.2	517	2.91	6.6	0.9	2.9	2.3	42.1	0.22	0.44	0.12
1081003	Soil	262.0	1351	1.25	48.68	10.96	71.8	111	44.4	17.3	722	3.48	8.2	0.8	4.1	2.3	39.8	0.20	0.50	0.13
1081004	Soil	287.0	3112	2.99	36.62	24.13	75.7	209	28.9	13.6	509	3.22	6.6	4.0	4.9	7.5	46.5	0.63	0.49	0.34
1081005	Soil	130.0	3394	4.69	70.91	166.3	64.1	2635	20.4	10.6	607	3.10	7.6	3.6	2.2	17.7	37.9	0.60	0.52	6.28
1081006	Soil	383.0	2454	2.12	35.28	23.25	66.5	233	27.3	13.5	502	3.23	7.5	3.4	4.4	6.6	36.2	0.44	0.48	0.78
1081007	Soil	356.0	3164	1.30	31.97	23.99	69.3	160	25.3	12.2	393	3.31	6.4	3.7	2.2	12.8	65.1	0.57	0.50	0.80
1081008	Soil	229.0	2454	2.49	32.23	29.62	70.8	425	28.8	14.5	322	3.52	8.2	6.8	5.6	10.8	30.7	0.42	0.72	1.57
1081009	Soil	318.0	2136	2.39	30.86	29.05	74.4	257	28.7	12.4	541	3.24	8.8	2.3	4.1	5.9	35.7	0.55	0.51	1.19
1081010 Agi Dag A	Soil	N.A.	N.A.	70.26	17.99	68.72	19.3	52	9.5	2.6	83	3.35	88.4	0.5	463.4	2.9	11.0	0.05	3.65	20.02
1081011	Soil	197.0	1844	2.25	36.08	13.96	74.7	163	30.2	12.5	488	3.43	11.7	4.8	2.9	5.8	34.6	0.23	0.69	0.77
1081012	Soil	172.0	2676	1.41	31.39	11.62	62.5	138	26.7	10.8	447	3.26	7.1	3.5	6.8	7.8	31.2	0.20	0.57	0.96
1081013	Soil	255.0	2748	1.50	40.34	16.66	69.2	245	33.7	17.5	329	3.48	8.3	3.4	10.5	7.7	31.9	0.32	0.64	2.19
1081014	Soil	302.0	2586	1.46	39.01	14.07	61.0	236	30.0	15.4	479	3.75	13.2	4.3	6.2	8.6	31.0	0.31	1.08	1.13
1081015	Soil	279.0	2004	1.56	34.47	12.50	62.4	167	28.3	16.6	736	4.35	11.4	4.5	5.2	9.8	33.2	0.26	1.82	0.57
1081016	Soil	292.0	2202	2.17	38.55	26.20	64.6	267	33.1	12.6	222	2.70	8.1	4.5	16.5	6.6	24.3	0.21	1.75	1.97
1081017	Soil	299.0	1940	2.04	42.68	17.52	61.4	569	29.3	11.6	415	3.21	281.0	3.7	24.0	6.8	36.7	0.26	1.25	2.34
1081018	Soil	246.0	2148	1.10	30.59	11.69	63.5	246	30.3	10.9	484	3.06	7.6	1.4	63.3	5.0	31.9	0.20	0.51	2.20
1081019	Soil	191.0	1786	1.43	35.80	12.82	55.9	215	26.9	11.8	796	3.53	8.9	4.2	10.8	7.0	31.5	0.16	0.76	1.12
1081020	Soil	288.0	2758	1.54	31.42	15.46	71.2	142	24.5	10.9	339	3.43	9.2	4.5	3.6	12.6	39.5	0.19	0.63	0.76
1081021	Soil	327.0	1204	2.12	28.48	19.47	82.3	227	30.2	14.2	765	3.36	9.6	2.7	7.7	5.8	34.0	0.46	0.58	1.13
1081022	Soil	336.0	1018	1.71	22.37	14.88	71.1	170	25.4	11.4	487	3.04	7.9	1.5	10.8	4.0	32.5	0.36	0.52	0.85
1081023	Soil	417.0	1406	2.61	30.53	39.38	85.5	339	30.3	12.7	602	3.16	7.6	3.3	5.3	7.0	34.2	1.47	0.60	1.26
1081024	Soil	190.0	1638	2.61	38.89	32.72	78.9	301	28.1	12.3	344	3.11	6.8	6.2	4.0	9.9	37.2	1.53	0.65	1.01
1081025	Soil	285.0	1570	1.44	25.38	34.52	69.0	206	26.4	13.7	364	2.73	5.3	2.9	5.1	11.1	30.2	0.87	0.53	0.98
1081026	Soil	288.0	1262	2.31	30.22	25.91	69.8	271	27.5	16.1	581	3.63	8.4	4.5	3.4	7.5	27.6	0.47	0.60	0.76
1081027	Soil	353.0	1076	1.97	33.85	27.17	69.0	172	34.2	12.8	525	3.28	7.5	2.3	8.2	7.1	41.6	0.52	0.50	0.45
1081028	Soil	434.0	1278	2.15	28.77	21.85	73.0	180	27.6	12.8	499	3.14	7.7	3.3	10.9	5.9	31.0	0.59	0.54	0.48
1081029	Soil	531.0	1277	2.53	31.51	28.93	65.4	145	27.8	12.2	490	3.01	6.2	2.4	5.1	6.3	31.6	0.82	0.42	0.73
1081030 Agi Dag B	Soil	N.A.	N.A.	2.78	8.28	26.54	17.1	18	10.2	3.4	87	3.59	60.3	0.8	89.3	4.6	32.9	0.03	0.94	1.78



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Project:

210800

Report Date:

November 30, 2011

Page:

2 of 10

Part 2

CERTIFICATE OF ANALYSIS

WHI11001389.2

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.01	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
1081001	Soil	1.10	0.079	12.6	42.7	0.80	167.7	0.109	3	1.69	0.039	0.08	0.1	4.8	0.11	0.03	26	0.7	<0.02	4.9
1081002	Soil	1.17	0.089	13.2	46.2	0.92	179.9	0.121	3	1.85	0.043	0.10	0.2	5.3	0.12	0.03	36	0.4	<0.02	5.4
1081003	Soil	0.84	0.075	14.0	53.2	0.96	190.8	0.128	3	2.17	0.036	0.09	<0.1	6.1	0.08	<0.02	40	0.4	<0.02	6.3
1081004	Soil	0.55	0.074	21.1	44.4	0.69	194.5	0.119	1	2.05	0.024	0.08	0.5	6.9	0.13	<0.02	27	0.5	<0.02	6.2
1081005	Soil	0.61	0.071	21.3	31.9	0.62	155.1	0.057	<1	1.88	0.013	0.11	0.2	7.2	0.14	<0.02	24	0.4	0.12	5.6
1081006	Soil	0.47	0.068	21.2	40.8	0.70	191.6	0.123	2	2.07	0.022	0.07	0.3	6.0	0.13	<0.02	25	0.4	0.04	6.1
1081007	Soil	0.54	0.072	22.4	36.3	0.74	251.1	0.120	<1	2.19	0.020	0.11	0.6	6.2	0.19	<0.02	23	0.3	0.03	6.2
1081008	Soil	0.40	0.061	25.6	43.1	0.77	197.5	0.096	<1	2.57	0.013	0.07	0.4	5.7	0.19	<0.02	49	0.5	0.06	7.7
1081009	Soil	0.49	0.069	13.3	39.4	0.69	168.0	0.119	2	2.16	0.019	0.07	0.4	4.3	0.14	<0.02	18	0.4	<0.02	6.5
1081010 Agi Dagi A	Soil	0.03	0.021	7.0	14.9	0.11	53.4	0.009	<1	0.94	<0.001	0.05	0.4	1.6	0.18	<0.02	31	7.6	3.33	4.3
1081011	Soil	0.55	0.070	21.9	44.0	0.72	201.0	0.105	1	2.20	0.020	0.06	0.5	5.6	0.17	0.02	33	0.5	0.02	6.6
1081012	Soil	0.46	0.069	20.0	42.3	0.64	179.5	0.120	1	2.15	0.015	0.07	0.8	6.1	0.14	<0.02	27	<0.1	<0.02	5.8
1081013	Soil	0.38	0.074	22.5	46.5	0.68	215.7	0.139	1	2.17	0.019	0.08	0.8	6.4	0.17	<0.02	25	0.5	0.07	6.6
1081014	Soil	0.41	0.079	23.6	42.8	0.68	234.5	0.131	<1	2.13	0.017	0.08	0.6	6.5	0.15	<0.02	28	0.3	0.03	6.1
1081015	Soil	0.44	0.067	22.1	41.8	0.70	219.8	0.129	1	2.18	0.019	0.06	0.3	5.9	0.14	<0.02	31	0.3	<0.02	6.3
1081016	Soil	0.38	0.072	19.2	43.5	0.82	182.9	0.108	2	2.52	0.016	0.06	0.5	4.6	0.19	0.03	55	0.5	0.03	7.2
1081017	Soil	0.50	0.061	22.7	41.9	0.71	168.7	0.107	2	2.29	0.017	0.06	0.6	5.7	0.13	<0.02	31	0.3	0.05	6.4
1081018	Soil	0.43	0.043	11.6	38.5	0.73	153.6	0.106	1	2.29	0.014	0.05	0.7	4.0	0.10	<0.02	33	0.3	0.07	6.0
1081019	Soil	0.43	0.066	26.8	42.0	0.68	199.8	0.100	<1	2.31	0.016	0.06	0.6	6.2	0.13	0.02	38	0.5	<0.02	6.4
1081020	Soil	0.48	0.075	26.6	39.9	0.69	218.2	0.130	<1	2.07	0.020	0.11	0.7	6.9	0.20	<0.02	33	0.5	0.03	6.4
1081021	Soil	0.55	0.071	13.1	38.0	0.71	173.8	0.102	1	2.19	0.017	0.07	0.9	4.5	0.12	0.03	34	0.1	<0.02	6.3
1081022	Soil	0.45	0.065	11.2	33.8	0.66	139.1	0.100	2	1.93	0.017	0.06	0.7	3.3	0.09	0.02	26	0.4	<0.02	5.8
1081023	Soil	0.48	0.056	15.2	34.6	0.68	161.6	0.115	2	1.97	0.023	0.08	0.7	4.4	0.11	<0.02	31	0.3	0.05	5.7
1081024	Soil	0.49	0.068	24.0	45.4	0.69	198.6	0.138	1	2.10	0.026	0.09	0.6	7.0	0.19	<0.02	28	0.2	<0.02	6.4
1081025	Soil	0.40	0.060	20.7	39.9	0.69	218.3	0.125	2	2.33	0.016	0.06	0.4	5.6	0.18	<0.02	26	0.4	<0.02	6.8
1081026	Soil	0.38	0.068	23.4	43.5	0.72	191.6	0.092	1	2.36	0.018	0.06	0.4	6.5	0.18	0.03	45	0.5	<0.02	6.8
1081027	Soil	0.48	0.047	13.6	42.9	0.75	212.4	0.117	<1	2.48	0.017	0.06	0.2	5.1	0.12	<0.02	31	0.3	<0.02	6.8
1081028	Soil	0.42	0.060	16.4	36.8	0.68	160.5	0.101	2	2.11	0.022	0.06	0.5	4.5	0.12	0.02	33	0.3	<0.02	5.8
1081029	Soil	0.44	0.059	13.7	35.9	0.63	136.7	0.112	1	1.89	0.026	0.06	1.3	4.1	0.10	<0.02	30	0.2	0.02	5.0
1081030 Agi Dagi B	Soil	0.04	0.018	9.0	20.9	0.12	70.2	0.022	<1	1.09	0.002	0.07	<0.1	2.1	0.10	0.03	31	2.2	0.39	8.1



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Project: 210800
Report Date: November 30, 2011

Page: 2 of 10 Part 3

CERTIFICATE OF ANALYSIS

WHI11001389.2

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1081001	Soil	<0.1	0.12	1.41	10.2	0.6	<0.05	5.4	10.31	25.4	0.03	<1	0.6	10.3	<10	<2	15.9
1081002	Soil	<0.1	0.12	1.40	11.0	1.0	<0.05	6.2	10.66	27.6	0.02	<1	0.4	11.3	<10	<2	14.0
1081003	Soil	<0.1	0.11	1.19	8.6	3.2	<0.05	6.5	12.65	29.7	0.02	<1	0.6	12.9	<10	<2	11.7
1081004	Soil	<0.1	0.14	0.67	13.6	2.3	<0.05	6.6	12.09	39.2	0.03	2	0.5	14.1	<10	<2	7.3
1081005	Soil	<0.1	0.15	0.21	14.2	1.9	<0.05	9.2	11.51	50.7	0.04	<1	0.9	10.9	<10	<2	9.9
1081006	Soil	<0.1	0.12	0.80	11.5	2.9	<0.05	6.9	11.64	38.9	0.03	2	0.4	13.1	<10	<2	6.7
1081007	Soil	<0.1	0.21	0.59	16.5	1.6	<0.05	10.3	11.06	54.5	0.03	<1	0.5	12.6	<10	<2	7.1
1081008	Soil	<0.1	0.09	1.59	14.1	2.4	<0.05	4.3	11.08	46.1	0.02	<1	0.4	16.1	<10	<2	11.9
1081009	Soil	<0.1	0.10	1.22	12.8	0.9	<0.05	4.4	6.59	28.6	0.02	<1	0.4	12.1	<10	<2	9.2
1081010 Agi Dagi A	Soil	<0.1	<0.02	0.45	8.8	2.9	<0.05	0.6	1.34	15.0	0.06	6	0.3	5.0	21	3	6.3
1081011	Soil	<0.1	0.12	1.40	11.9	1.4	<0.05	5.7	9.14	36.9	0.03	2	0.5	14.4	<10	<2	11.7
1081012	Soil	<0.1	0.12	0.97	12.9	2.1	<0.05	7.2	9.61	35.8	0.02	<1	0.6	12.3	<10	<2	7.8
1081013	Soil	<0.1	0.19	0.94	15.9	2.2	<0.05	9.7	11.69	46.6	0.04	<1	0.5	13.3	<10	<2	6.9
1081014	Soil	<0.1	0.17	0.71	12.1	1.7	<0.05	9.5	11.46	46.9	0.02	<1	0.4	11.1	<10	<2	6.5
1081015	Soil	<0.1	0.15	0.91	11.5	1.7	<0.05	8.6	10.74	39.9	0.03	<1	0.5	12.1	<10	<2	7.9
1081016	Soil	<0.1	0.06	1.49	9.2	1.4	<0.05	4.1	8.36	34.8	0.04	<1	0.5	15.5	<10	<2	12.2
1081017	Soil	<0.1	0.08	0.99	11.8	1.0	<0.05	4.7	10.27	38.5	0.03	<1	0.6	12.3	<10	<2	9.1
1081018	Soil	<0.1	0.07	1.05	8.9	0.8	<0.05	3.8	5.62	25.9	0.02	<1	0.5	11.8	<10	<2	8.7
1081019	Soil	<0.1	0.05	1.04	11.6	1.1	<0.05	3.3	14.34	46.6	0.02	<1	0.6	13.0	<10	<2	10.3
1081020	Soil	<0.1	0.15	0.59	20.6	1.7	<0.05	8.6	13.34	51.3	0.03	<1	0.5	12.9	<10	<2	6.9
1081021	Soil	<0.1	0.07	1.17	13.2	0.9	<0.05	3.0	7.04	38.3	0.02	<1	0.4	13.6	<10	<2	11.2
1081022	Soil	<0.1	0.05	1.26	9.8	0.7	<0.05	2.9	5.53	23.1	0.02	<1	0.5	11.4	<10	<2	11.0
1081023	Soil	<0.1	0.10	1.06	11.4	0.8	<0.05	3.6	7.27	36.5	0.02	<1	0.6	11.2	<10	<2	8.9
1081024	Soil	<0.1	0.24	0.70	16.6	1.4	<0.05	12.2	13.03	48.9	0.03	<1	0.5	13.1	<10	<2	6.4
1081025	Soil	<0.1	0.11	1.12	9.9	1.3	<0.05	6.7	9.42	43.1	0.02	<1	0.5	14.3	<10	<2	7.5
1081026	Soil	<0.1	0.03	1.35	12.1	1.2	<0.05	3.3	11.84	49.3	0.03	<1	0.5	14.7	<10	<2	11.9
1081027	Soil	<0.1	0.10	0.97	10.7	0.9	<0.05	5.2	6.89	33.7	0.03	<1	0.3	13.6	<10	<2	8.7
1081028	Soil	<0.1	0.07	1.09	11.1	0.7	<0.05	3.4	7.30	33.7	0.02	<1	0.4	12.7	<10	<2	10.4
1081029	Soil	<0.1	0.05	0.80	8.8	0.6	<0.05	4.3	6.72	31.5	0.02	1	0.4	10.2	<10	<2	6.7
1081030 Agi Dagi B	Soil	<0.1	0.15	0.48	9.7	0.5	<0.05	7.6	2.52	17.6	<0.02	<1	0.3	5.1	17	<2	10.8



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Page:

3 of 10

Part 1

CERTIFICATE OF ANALYSIS

WHI11001389.2

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1081031	Soil	274.0	1268	2.08	26.47	23.88	66.1	185	28.0	12.1	693	3.02	6.9	2.4	3.1	7.2	36.3	0.75	0.50	0.79
1081032	Soil	457.0	1260	1.57	33.71	13.42	59.1	180	28.7	12.9	640	2.90	6.6	1.9	18.4	5.7	35.8	0.38	0.43	0.79
1081033	Soil	284.0	1788	1.98	30.86	28.74	65.9	292	22.0	10.4	268	2.86	5.9	3.0	5.5	9.8	42.8	0.34	0.56	1.80
1081034	Soil	323.0	2034	1.57	29.40	20.29	79.3	353	30.2	13.8	561	3.48	10.2	2.9	5.5	5.3	34.2	0.40	0.68	1.30
1081035	Soil	336.0	1366	1.38	34.20	20.52	62.3	262	26.1	11.6	273	3.27	7.4	3.2	7.6	10.1	36.9	0.23	0.67	1.57
1081036	Soil	327.0	1464	1.27	17.67	23.38	63.2	194	25.8	11.7	255	2.70	5.2	1.2	13.1	6.6	22.1	0.09	1.00	2.04
1081037	Soil	310.0	1440	1.01	52.64	12.34	78.6	183	25.7	11.4	231	2.86	6.4	3.3	12.0	8.4	35.9	0.28	1.28	2.88
1081038	Soil	319.0	1190	0.91	27.61	10.50	69.7	78	25.0	9.8	455	3.22	6.6	1.5	20.8	7.2	38.0	0.16	2.00	2.49
1081039	Soil	280.0	1590	1.10	40.89	25.92	66.7	358	24.6	12.0	232	3.18	7.0	4.6	8.8	10.2	30.4	0.41	1.90	1.95
1081040	Soil	375.0	1394	1.42	27.63	16.05	59.8	216	25.2	11.0	482	3.10	6.8	2.6	7.1	6.1	30.7	0.26	0.86	1.05
1081041	Soil	236.0	1426	1.04	42.49	13.53	62.1	184	27.3	12.1	268	3.49	6.3	3.9	8.3	11.6	26.9	0.28	0.58	1.30
1081042	Soil	307.0	1728	1.09	35.74	12.95	57.3	148	24.6	11.9	337	3.76	7.3	3.4	6.9	11.4	25.1	0.23	0.63	1.39
1081043	Soil	470.0	1022	1.06	38.89	11.58	61.2	154	32.6	11.7	407	3.07	8.2	2.8	3.6	6.2	24.1	0.15	0.58	0.54
1081044	Soil	461.0	1680	1.36	34.26	13.38	61.4	134	29.3	11.7	355	3.18	6.9	2.6	5.3	7.4	23.0	0.18	0.58	0.63
1081045	Soil	446.0	1158	0.89	35.09	7.76	56.1	210	30.6	11.3	476	3.05	7.3	1.5	2.6	4.4	28.7	0.15	0.50	0.53
1081046	Soil	409.0	804.0	2.31	20.29	9.54	82.4	83	24.4	12.6	523	3.38	10.9	0.7	2.8	0.9	26.0	0.32	0.64	0.21
1081047	Soil	410.0	920.0	0.81	27.15	12.23	62.3	221	27.2	10.2	316	3.04	7.1	1.1	8.0	4.8	27.9	0.14	0.53	1.13
1081048	Soil	367.0	818.0	1.25	28.27	16.74	85.2	165	27.7	12.3	780	3.47	8.0	3.1	41.1	8.3	93.8	0.23	0.56	2.97
1081049	Soil	140.0	1352	1.35	28.06	11.40	67.8	65	27.3	12.6	594	2.92	7.5	1.3	10.8	3.2	34.8	0.22	0.51	1.57
1081050 GS-1	Soil	N.A.	N.A.	0.60	20.37	8.87	51.9	34	24.8	11.0	437	2.68	3.8	1.6	<0.2	8.2	79.3	0.07	0.18	0.19
1081051	Soil	315.0	1372	1.52	46.57	33.85	80.6	303	31.9	12.9	434	3.64	10.0	3.8	60.7	8.4	36.7	0.36	0.66	2.78
1081052	Soil	544.0	1286	1.44	32.50	15.79	66.5	166	29.5	12.5	587	3.06	7.6	1.4	7.2	5.8	29.1	0.45	0.43	0.78
1081053	Soil	527.0	1348	1.49	29.84	23.41	79.2	242	29.4	10.8	552	3.06	11.1	1.3	17.5	5.5	27.2	1.72	0.42	0.63
1081054	Soil	460.0	1510	1.65	27.31	14.62	73.8	197	24.3	10.6	430	3.05	8.8	3.5	30.7	7.5	45.6	0.83	0.41	0.94
1081055	Soil	449.0	724.0	1.92	32.38	16.29	74.0	282	27.0	13.2	639	3.08	9.9	3.3	3.6	3.5	37.9	0.24	0.55	0.72
1081056	Soil	258.0	1160	2.24	21.29	16.11	71.2	106	27.1	15.2	844	3.73	12.1	1.6	2.8	6.2	28.4	0.21	0.58	1.40
1081057	Soil	273.0	878.0	2.52	25.61	22.37	78.5	240	26.9	13.5	800	3.12	9.9	3.7	3.7	4.1	36.7	0.49	0.54	0.63
1081058	Soil	284.0	1422	2.20	20.97	15.66	85.0	186	25.4	24.2	1197	4.06	7.0	2.4	6.2	9.9	30.8	0.44	0.59	0.94
1081059	Soil	479.0	1134	2.61	25.72	18.54	62.9	231	28.1	12.6	241	3.26	7.5	2.9	3.1	4.4	22.9	0.35	0.78	0.67
1081060	Soil	294.0	862.0	2.34	31.57	23.64	76.8	282	28.7	12.8	274	2.91	6.5	4.4	4.5	4.4	31.0	0.84	0.73	0.64



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Page: 3 of 10 Part 2

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WHI11001389.2

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1081031	Soil	0.53	0.055	15.2	34.9	0.64	184.2	0.124	1	1.87	0.026	0.06	0.6	4.1	0.11	<0.02	27	0.3	<0.02	5.5	2.55
1081032	Soil	0.56	0.062	17.6	36.4	0.66	132.9	0.129	1	1.58	0.030	0.07	0.9	4.2	0.08	<0.02	37	<0.1	0.03	4.9	1.20
1081033	Soil	0.56	0.069	19.5	34.8	0.67	173.9	0.125	1	2.09	0.025	0.08	0.7	4.9	0.18	<0.02	27	0.3	0.10	6.0	2.96
1081034	Soil	0.55	0.067	15.0	42.3	0.75	185.8	0.102	2	2.38	0.021	0.06	0.4	5.0	0.16	0.04	50	0.3	0.04	7.1	2.16
1081035	Soil	0.48	0.056	21.4	41.2	0.72	215.2	0.147	1	2.28	0.018	0.08	0.6	5.4	0.17	<0.02	31	0.3	0.02	6.7	2.14
1081036	Soil	0.34	0.059	10.9	34.3	0.68	145.9	0.073	1	2.16	0.011	0.06	0.5	3.7	0.22	0.02	47	0.3	<0.02	6.7	2.89
1081037	Soil	0.55	0.093	20.6	37.1	0.69	170.1	0.099	4	1.74	0.026	0.08	1.0	5.8	0.13	<0.02	33	0.5	0.07	5.3	2.60
1081038	Soil	0.49	0.049	10.0	36.4	0.74	219.1	0.112	2	2.09	0.017	0.08	0.5	4.6	0.15	<0.02	23	0.1	0.11	6.2	2.95
1081039	Soil	0.46	0.062	23.2	38.2	0.72	186.1	0.101	2	2.09	0.023	0.07	0.7	5.9	0.16	<0.02	36	0.4	0.07	6.1	2.25
1081040	Soil	0.44	0.070	13.0	31.2	0.67	153.7	0.083	3	1.91	0.020	0.06	0.7	3.5	0.10	0.02	32	0.2	0.04	5.4	2.13
1081041	Soil	0.42	0.069	21.2	38.9	0.72	219.0	0.127	3	2.22	0.018	0.08	0.7	6.1	0.17	<0.02	14	0.4	0.03	6.1	2.33
1081042	Soil	0.42	0.065	19.2	36.9	0.70	201.4	0.120	1	2.29	0.017	0.07	0.7	5.3	0.17	<0.02	35	0.5	0.04	6.1	2.56
1081043	Soil	0.37	0.066	17.5	39.4	0.79	155.5	0.098	3	2.52	0.016	0.06	0.4	4.6	0.13	0.02	30	0.4	0.02	6.3	1.76
1081044	Soil	0.38	0.045	12.5	39.5	0.77	177.4	0.110	5	2.30	0.015	0.06	0.4	4.4	0.15	<0.02	26	0.2	0.03	6.1	2.60
1081045	Soil	0.49	0.058	10.6	34.5	0.72	165.1	0.103	2	2.11	0.018	0.06	0.4	4.0	0.10	0.02	28	0.4	<0.02	5.7	1.70
1081046	Soil	0.45	0.053	8.7	36.8	0.58	115.8	0.048	1	1.65	0.017	0.05	0.1	2.8	0.09	0.05	31	0.3	0.04	6.9	1.26
1081047	Soil	0.45	0.056	9.3	32.9	0.73	139.0	0.106	2	2.26	0.017	0.07	0.5	3.9	0.12	0.02	29	0.2	0.06	6.1	2.23
1081048	Soil	0.67	0.071	30.5	35.9	0.86	179.0	0.070	<1	2.28	0.024	0.08	2.1	5.6	0.15	0.03	44	0.4	0.14	6.5	5.44
1081049	Soil	0.62	0.058	9.9	33.6	0.65	139.6	0.085	2	1.66	0.027	0.05	0.7	3.5	0.09	0.04	29	0.3	0.07	5.1	2.79
1081050 GS-1	Soil	3.69	0.044	18.8	21.3	1.08	69.3	0.028	<1	1.26	0.024	0.23	0.1	2.0	0.09	0.03	12	0.2	0.02	3.4	0.99
1081051	Soil	0.57	0.086	23.5	39.0	0.84	191.4	0.115	2	2.13	0.034	0.07	1.4	5.9	0.14	<0.02	32	0.5	0.09	5.9	2.10
1081052	Soil	0.44	0.076	12.6	35.6	0.68	136.6	0.105	2	1.90	0.024	0.07	1.0	3.7	0.10	<0.02	29	0.2	0.03	5.0	1.58
1081053	Soil	0.47	0.048	10.1	31.6	0.70	122.6	0.106	3	1.93	0.021	0.06	0.7	3.3	0.11	<0.02	30	0.3	<0.02	5.2	1.62
1081054	Soil	0.65	0.090	18.4	35.6	0.78	170.2	0.094	2	2.04	0.050	0.06	1.3	4.5	0.11	<0.02	40	0.2	0.05	5.5	1.71
1081055	Soil	0.63	0.089	18.8	36.2	0.72	155.0	0.075	3	1.83	0.033	0.05	0.3	4.2	0.10	0.06	45	0.6	0.03	5.6	1.50
1081056	Soil	0.49	0.070	10.9	34.8	0.68	145.8	0.084	2	1.87	0.024	0.06	0.6	3.4	0.13	0.03	29	0.3	0.06	5.8	1.64
1081057	Soil	0.67	0.097	15.5	37.7	0.69	172.8	0.061	3	1.93	0.024	0.05	0.5	4.4	0.12	0.06	36	0.5	0.06	5.9	2.01
1081058	Soil	0.57	0.080	14.9	34.4	0.70	174.0	0.101	2	1.89	0.023	0.06	0.8	4.4	0.14	0.03	44	0.4	0.07	5.7	2.12
1081059	Soil	0.35	0.072	13.3	42.3	0.77	129.6	0.064	1	2.36	0.017	0.05	0.2	4.6	0.12	0.04	53	0.4	0.04	6.3	1.66
1081060	Soil	0.48	0.084	18.5	46.9	0.82	137.0	0.071	4	2.12	0.029	0.07	0.2	5.1	0.11	0.06	37	0.6	0.05	6.5	1.56



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Report Date: November 30, 2011

Page: 3 of 10 Part 3

CERTIFICATE OF ANALYSIS

WHI11001389.2

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1081031	Soil	<0.1	0.11	1.20	11.7	0.9	<0.05	5.4	6.92	41.1	0.03	<1	0.3	10.8	<10	<2	8.6
1081032	Soil	<0.1	0.08	0.76	7.9	0.6	<0.05	5.0	8.25	34.6	<0.02	<1	0.4	8.9	<10	<2	5.8
1081033	Soil	<0.1	0.12	1.42	13.5	1.2	<0.05	6.7	9.29	39.1	0.03	<1	0.5	12.6	<10	<2	8.5
1081034	Soil	<0.1	0.06	1.59	13.2	1.2	<0.05	3.3	6.93	30.0	0.05	<1	0.3	14.4	<10	<2	15.0
1081035	Soil	<0.1	0.20	1.29	16.1	1.2	<0.05	9.1	8.96	38.5	0.03	<1	0.3	15.6	<10	<2	7.6
1081036	Soil	<0.1	0.07	1.26	8.9	1.2	<0.05	2.9	6.07	21.3	0.02	<1	0.4	13.8	<10	<2	11.9
1081037	Soil	<0.1	0.12	0.92	13.4	1.0	<0.05	7.8	12.61	41.1	0.03	<1	0.6	13.6	<10	<2	6.7
1081038	Soil	<0.1	0.07	1.39	15.5	1.2	<0.05	4.7	5.07	29.9	0.03	<1	0.4	16.3	<10	<2	9.2
1081039	Soil	<0.1	0.12	1.49	16.8	1.8	<0.05	7.8	12.21	47.3	0.02	<1	0.4	15.1	<10	<2	I.S.
1081040	Soil	<0.1	0.05	1.25	9.6	0.8	<0.05	3.2	6.82	27.3	0.02	<1	0.3	14.3	<10	<2	10.9
1081041	Soil	<0.1	0.17	1.27	19.3	2.1	<0.05	10.1	11.51	42.8	<0.02	<1	0.3	15.7	<10	<2	7.1
1081042	Soil	<0.1	0.13	1.53	12.7	1.5	<0.05	8.4	9.42	38.8	0.03	<1	0.4	15.2	<10	<2	8.1
1081043	Soil	<0.1	0.09	1.10	10.5	1.0	<0.05	4.2	8.29	36.1	0.02	<1	0.6	15.8	<10	<2	9.8
1081044	Soil	<0.1	0.07	1.31	11.4	1.0	<0.05	4.3	5.51	26.4	0.02	<1	0.7	18.6	<10	<2	8.6
1081045	Soil	<0.1	0.07	1.18	9.5	0.7	<0.05	4.1	5.72	24.7	0.02	<1	0.4	15.8	<10	<2	9.9
1081046	Soil	<0.1	0.02	0.81	10.4	1.1	<0.05	1.3	4.68	21.6	0.02	<1	0.4	14.2	<10	<2	15.6
1081047	Soil	<0.1	0.08	1.43	10.8	0.7	<0.05	4.2	5.01	20.9	0.02	<1	0.4	16.8	<10	<2	11.0
1081048	Soil	<0.1	0.04	1.09	12.3	1.6	<0.05	3.3	12.13	62.9	0.03	<1	0.8	18.7	<10	<2	13.1
1081049	Soil	<0.1	0.04	1.11	8.3	0.8	<0.05	3.1	5.62	34.4	0.02	<1	0.3	13.8	<10	<2	13.2
1081050 GS-1	Soil	<0.1	<0.02	0.68	15.1	0.7	<0.05	1.3	7.51	40.1	<0.02	<1	0.2	30.0	<10	<2	8.2
1081051	Soil	<0.1	0.14	1.48	12.2	0.9	<0.05	9.3	13.46	39.9	0.02	<1	0.4	16.1	<10	<2	8.5
1081052	Soil	<0.1	0.08	1.04	10.3	0.7	<0.05	4.7	6.65	27.8	0.02	<1	0.2	12.7	<10	<2	7.3
1081053	Soil	<0.1	0.07	1.17	10.3	0.9	<0.05	4.5	4.92	23.4	0.04	1	0.5	14.4	<10	<2	9.0
1081054	Soil	<0.1	0.06	1.04	11.3	0.9	<0.05	3.9	8.80	35.8	0.03	<1	0.4	13.8	<10	<2	8.2
1081055	Soil	<0.1	0.03	1.37	10.1	0.7	<0.05	2.6	9.44	34.5	<0.02	<1	0.5	13.2	<10	<2	18.5
1081056	Soil	<0.1	0.04	1.59	11.2	0.9	<0.05	3.1	5.15	25.6	0.02	<1	0.6	15.3	<10	<2	13.7
1081057	Soil	<0.1	0.04	1.18	9.7	0.8	<0.05	2.2	7.75	27.8	0.03	<1	0.4	14.6	<10	<2	18.3
1081058	Soil	<0.1	0.07	1.67	12.2	1.0	<0.05	4.6	7.69	31.8	0.03	2	0.6	15.2	<10	<2	11.8
1081059	Soil	<0.1	0.05	1.30	6.7	0.8	<0.05	3.1	6.46	27.0	0.02	<1	0.6	15.3	<10	<2	16.2
1081060	Soil	<0.1	0.04	1.35	12.7	1.0	<0.05	3.3	9.31	37.5	0.02	<1	0.6	15.4	<10	<2	17.8



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Page: 4 of 10 Part 1

CERTIFICATE OF ANALYSIS

WHI11001389.2

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1081061	Soil	339.0	1170	2.84	27.50	33.71	78.9	378	31.0	14.5	705	3.43	7.7	2.9	3.8	4.9	44.3	0.74	0.56	0.93
1081062	Soil	284.0	1184	3.42	28.89	29.49	79.1	433	32.2	15.4	781	3.57	8.4	3.7	6.2	4.9	45.9	0.85	0.67	1.10
1081063	Soil	381.0	944.0	1.78	27.99	10.35	68.1	122	25.9	12.4	584	2.96	11.1	1.0	4.1	1.1	24.2	0.27	0.58	0.57
1081064	Soil	86.00	1442	1.79	37.39	20.21	75.7	226	27.2	12.0	588	3.38	9.0	2.9	9.8	8.6	39.0	0.36	0.62	2.88
1081065	Soil	327.0	1140	1.47	29.30	28.77	65.4	296	27.8	11.7	528	3.23	9.4	1.2	2.1	3.2	33.7	0.31	0.52	1.10
1081066	Soil	218.0	1656	0.85	45.22	25.32	66.7	476	24.8	9.3	368	3.09	6.9	2.0	2.9	5.4	43.8	0.47	0.69	0.87
1081067	Soil	349.0	1492	1.70	49.73	17.90	64.0	348	26.7	14.2	531	3.84	12.1	3.8	3.4	7.1	33.1	0.38	1.33	1.18
1081068	Soil	284.0	1342	2.01	26.15	19.12	50.9	160	24.5	9.7	167	3.69	27.4	2.1	4.5	9.8	20.5	0.16	2.51	0.93
1081069	Soil	293.0	1192	2.10	35.18	9.74	60.0	134	28.5	14.0	657	3.50	10.0	4.2	3.7	6.9	31.7	0.11	0.60	0.37
1081070 Agi Dag A	Soil	N.A.	N.A.	71.95	17.35	68.81	17.7	49	9.4	2.3	87	3.46	91.4	0.6	447.6	3.2	10.6	0.02	3.51	18.15
1081071	Soil	156.0	1158	1.74	39.88	10.26	66.7	159	31.0	13.0	345	3.67	10.9	5.9	4.2	9.0	29.9	0.18	0.60	0.47
1081072	Soil	331.0	1504	1.51	38.84	9.61	61.2	128	27.9	13.2	513	3.27	26.3	5.3	6.9	7.9	38.7	0.19	0.47	0.74
1081073	Soil	226.0	608.0	2.47	29.18	9.05	86.1	77	33.6	17.6	765	3.48	11.4	1.2	1.9	0.9	36.4	0.25	0.99	0.21
1081074	Soil	479.0	850.0	1.74	27.63	8.58	77.2	56	44.3	18.1	578	3.72	13.5	0.9	3.9	2.8	28.6	0.22	0.87	0.25
1081075	Soil	440.0	752.0	2.11	29.12	9.65	81.3	75	37.7	16.8	670	3.75	11.9	0.9	1.4	1.2	34.7	0.26	0.90	0.27
1081076	Soil	163.0	428.0	1.60	28.59	7.49	86.3	74	26.8	13.4	548	2.64	9.8	0.8	4.3	0.8	46.5	0.33	0.68	0.19
1081077	Soil	306.0	612.0	2.02	27.96	9.92	77.5	142	27.1	17.1	688	3.29	12.4	1.3	4.1	0.9	34.1	0.22	0.68	0.37
1081078	Soil	313.0	624.0	2.19	20.63	13.72	80.2	194	21.8	14.4	764	3.10	9.5	0.7	2.8	1.4	28.1	0.27	0.71	0.45
1081079	Soil	308.0	1494	22.27	56.08	114.8	96.2	4910	22.8	18.7	695	4.12	11.1	2.9	4.8	12.2	30.0	0.72	2.04	25.97
1081080	Soil	341.0	1172	1.76	26.02	23.46	71.2	215	29.1	14.2	613	3.35	8.3	1.4	6.6	4.1	30.7	0.47	0.70	0.90
1081081	Soil	130.0	1172	5.73	35.94	25.29	87.6	365	28.1	26.4	2904	3.97	15.6	5.3	4.7	4.6	46.4	0.96	0.94	1.24
1081082	Soil	200.0	778.0	4.86	36.25	23.63	93.0	323	30.2	21.4	2233	3.69	13.4	4.9	3.0	4.0	45.2	0.86	0.90	1.21
1081083	Soil	156.0	540.0	3.37	33.69	21.15	88.4	382	29.1	14.8	692	3.17	10.4	4.6	4.0	2.6	43.5	0.56	0.77	1.08
1081084	Soil	554.0	866.0	2.88	26.78	9.36	74.5	71	27.1	17.5	848	3.45	10.8	1.0	2.7	0.9	31.5	0.16	0.84	0.23
1081085	Soil	166.0	1682	0.82	49.31	16.44	67.7	257	24.7	12.7	267	3.32	5.4	5.1	2.6	18.3	29.4	0.20	0.60	2.03
1081086	Soil	180.0	1574	2.77	59.84	19.36	54.4	480	22.1	9.0	279	3.08	9.7	5.2	5.9	14.3	23.2	0.19	2.67	3.12
1081087	Soil	226.0	958.0	1.41	29.65	7.28	62.8	40	32.2	14.3	672	3.21	8.5	1.2	3.3	2.9	32.7	0.13	0.60	0.46
1081088	Soil	198.0	604.0	1.92	34.74	8.79	93.5	75	32.6	17.5	604	3.30	14.0	1.0	2.9	1.0	35.2	0.30	0.88	0.20
1081089	Soil	120.0	1484	1.25	50.17	8.79	82.7	126	30.9	13.4	542	3.30	9.4	4.7	5.7	8.0	56.5	0.22	0.60	1.17
1081090 Agi Dag B	Soil	N.A.	N.A.	2.82	8.54	26.15	18.0	11	10.6	3.5	88	3.59	62.1	0.8	87.0	4.4	32.4	0.02	0.94	1.80



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Report Date: November 30, 2011

Page: 4 of 10 Part 2

CERTIFICATE OF ANALYSIS

WHI11001389.2

		Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
			Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
			%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
			0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1081061	Soil	0.69	0.062	12.6	60.5	1.03	149.3	0.073	<1	2.18	0.052	0.06	0.6	4.7	0.08	0.03	33	0.2	0.03	5.9	1.82	
1081062	Soil	0.66	0.060	13.9	60.9	1.05	162.1	0.068	1	2.18	0.045	0.06	0.6	4.9	0.10	0.03	51	0.2	0.07	5.7	2.00	
1081063	Soil	0.39	0.055	7.8	31.8	0.62	110.6	0.049	1	1.54	0.025	0.05	0.3	2.4	0.07	0.04	37	0.5	0.02	5.0	1.21	
1081064	Soil	0.50	0.051	13.5	31.3	0.74	244.2	0.084	1	1.82	0.029	0.07	1.0	4.0	0.14	<0.02	34	0.4	0.09	5.7	3.79	
1081065	Soil	0.44	0.045	8.2	36.0	0.70	133.8	0.094	3	1.87	0.018	0.07	0.4	3.8	0.09	0.02	42	0.3	0.05	5.6	3.00	
1081066	Soil	0.62	0.077	17.8	39.9	0.72	145.0	0.112	1	1.93	0.029	0.10	0.2	6.0	0.12	<0.02	29	0.2	0.03	5.4	2.23	
1081067	Soil	0.43	0.075	22.7	36.8	0.75	174.9	0.080	2	2.15	0.017	0.06	0.4	6.0	0.13	0.02	34	0.5	0.05	6.2	2.60	
1081068	Soil	0.32	0.065	11.6	35.8	0.67	132.9	0.076	2	2.29	0.011	0.06	0.3	4.2	0.12	0.02	20	0.3	0.04	5.9	2.50	
1081069	Soil	0.49	0.059	13.5	41.5	0.76	174.5	0.087	2	2.44	0.020	0.05	0.2	5.7	0.13	0.02	26	0.4	<0.02	6.0	1.98	
1081070 Agi Dagi A	Soil	0.03	0.023	6.9	15.1	0.11	50.9	0.008	1	0.94	<0.001	0.05	0.3	1.5	0.18	<0.02	40	7.4	3.44	4.0	0.86	
1081071	Soil	0.49	0.084	20.9	45.1	0.81	208.4	0.097	2	2.52	0.019	0.06	0.2	6.8	0.16	0.03	46	0.6	0.03	6.6	1.97	
1081072	Soil	0.66	0.063	14.4	37.4	0.75	177.0	0.124	2	2.11	0.028	0.06	0.3	4.8	0.12	<0.02	27	0.4	0.07	6.1	1.81	
1081073	Soil	0.66	0.072	11.4	40.3	0.72	140.9	0.047	3	1.96	0.026	0.05	0.2	2.7	0.10	0.07	37	0.3	0.06	6.1	1.16	
1081074	Soil	0.44	0.034	10.1	43.5	0.86	124.8	0.090	2	2.70	0.022	0.05	0.2	3.7	0.10	0.03	22	0.3	0.08	5.9	1.01	
1081075	Soil	0.63	0.056	10.8	42.0	0.73	145.7	0.074	2	2.06	0.021	0.06	0.1	3.4	0.09	0.06	50	0.4	0.08	6.6	1.43	
1081076	Soil	0.90	0.065	10.7	34.1	0.64	135.3	0.056	3	1.36	0.039	0.06	0.1	3.0	0.09	0.08	78	0.6	0.02	4.4	0.81	
1081077	Soil	0.56	0.070	10.2	38.1	0.63	135.8	0.057	2	1.79	0.029	0.04	0.2	2.9	0.10	0.06	57	0.5	0.08	5.6	1.10	
1081078	Soil	0.38	0.048	8.9	33.1	0.58	122.9	0.072	2	1.62	0.032	0.05	0.2	2.6	0.09	0.03	33	0.3	0.06	5.8	1.24	
1081079	Soil	0.53	0.070	19.7	34.6	0.68	155.0	0.080	2	2.12	0.019	0.07	0.7	3.9	0.17	<0.02	44	0.4	0.15	6.1	2.67	
1081080	Soil	0.44	0.046	11.7	39.1	0.68	131.7	0.108	2	1.70	0.026	0.06	0.7	3.3	0.10	0.03	23	0.2	0.06	5.7	1.45	
1081081	Soil	0.87	0.093	28.5	37.2	0.68	215.8	0.066	2	1.90	0.024	0.06	0.7	4.3	0.17	0.08	44	0.7	0.08	5.7	1.92	
1081082	Soil	0.85	0.087	25.4	38.4	0.71	221.7	0.069	2	2.00	0.028	0.06	0.5	4.3	0.17	0.07	58	0.5	0.08	5.9	2.10	
1081083	Soil	0.84	0.093	24.7	41.0	0.70	186.4	0.052	2	1.96	0.022	0.06	0.5	3.9	0.13	0.09	67	0.7	0.04	5.7	1.82	
1081084	Soil	0.52	0.066	10.7	39.7	0.64	133.6	0.055	2	1.71	0.020	0.04	0.2	2.7	0.10	0.05	40	0.3	0.07	6.2	1.19	
1081085	Soil	0.47	0.060	26.4	43.2	0.80	192.2	0.150	1	2.34	0.022	0.09	0.5	6.7	0.20	<0.02	41	0.2	0.08	7.4	3.19	
1081086	Soil	0.35	0.054	31.7	32.9	0.62	150.0	0.072	1	1.97	0.015	0.08	0.8	5.6	0.16	<0.02	43	0.3	0.09	5.5	3.28	
1081087	Soil	0.57	0.047	11.0	36.5	0.72	157.3	0.100	2	1.80	0.021	0.07	0.7	3.6	0.13	0.04	28	0.3	0.05	5.4	2.24	
1081088	Soil	0.59	0.056	12.2	40.7	0.79	143.9	0.055	2	1.78	0.037	0.05	0.2	3.2	0.08	0.06	60	0.4	0.07	5.6	1.04	
1081089	Soil	0.56	0.081	25.0	36.7	0.75	205.4	0.116	1	1.83	0.032	0.09	1.2	4.3	0.18	<0.02	28	0.3	0.06	5.6	2.47	
1081090 Agi Dagi B	Soil	0.04	0.019	8.5	21.9	0.12	70.1	0.020	2	1.11	0.004	0.07	0.1	2.2	0.10	0.03	33	2.4	0.44	8.7	0.85	



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Project: 210800
Report Date: November 30, 2011

Page: 4 of 10 Part 3

CERTIFICATE OF ANALYSIS

WHI11001389.2

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1081061	Soil	<0.1	0.05	0.97	8.0	0.7	<0.05	2.7	6.55	30.7	0.03	<1	0.7	15.7	<10	<2
1081062	Soil	<0.1	0.03	1.01	9.1	1.1	<0.05	2.5	7.21	33.3	0.03	<1	0.6	17.0	<10	<2
1081063	Soil	<0.1	0.03	0.79	7.7	0.6	<0.05	1.4	4.53	20.3	0.02	<1	0.3	12.3	<10	<2
1081064	Soil	<0.1	0.05	0.97	12.0	1.1	<0.05	3.2	6.50	34.6	0.04	<1	0.6	16.2	<10	<2
1081065	Soil	<0.1	0.07	1.07	10.6	0.8	<0.05	3.0	4.37	23.1	0.03	<1	0.4	13.4	<10	<2
1081066	Soil	<0.1	0.14	0.64	13.5	0.8	<0.05	9.2	12.27	30.7	0.03	<1	0.5	15.3	<10	<2
1081067	Soil	<0.1	0.06	1.08	13.8	1.2	<0.05	3.5	12.13	43.3	0.04	<1	0.6	16.7	<10	<2
1081068	Soil	<0.1	0.06	1.26	9.7	0.8	<0.05	4.1	5.85	23.4	0.03	<1	0.3	13.3	<10	<2
1081069	Soil	<0.1	0.06	1.02	9.3	0.8	<0.05	3.6	8.01	30.1	0.03	<1	0.4	14.5	<10	<2
1081070 Agi Dagi A	Soil	<0.1	<0.02	0.40	8.8	2.9	<0.05	0.7	1.39	15.5	0.07	2	0.3	6.2	<10	6
1081071	Soil	<0.1	0.04	1.39	14.0	0.8	<0.05	4.1	12.09	41.0	0.03	<1	0.6	18.1	<10	<2
1081072	Soil	<0.1	0.09	1.41	9.9	1.1	<0.05	6.0	7.18	29.9	0.02	<1	0.3	16.0	<10	<2
1081073	Soil	<0.1	0.02	0.86	8.7	0.6	<0.05	1.3	6.33	28.5	0.04	<1	0.3	12.6	<10	<2
1081074	Soil	<0.1	0.06	1.20	7.1	0.7	<0.05	4.1	5.45	30.9	0.04	<1	0.6	14.8	<10	<2
1081075	Soil	<0.1	0.04	1.02	10.0	0.7	<0.05	1.8	5.83	30.3	0.03	<1	0.4	15.2	<10	<2
1081076	Soil	<0.1	0.04	0.98	8.9	0.6	<0.05	2.1	6.34	21.9	0.03	<1	0.2	9.1	<10	<2
1081077	Soil	<0.1	0.03	1.02	7.9	0.5	<0.05	1.5	5.55	21.5	0.03	<1	0.3	12.6	<10	<2
1081078	Soil	<0.1	0.04	0.96	7.5	0.8	<0.05	1.9	4.22	19.4	0.03	<1	0.5	11.3	<10	<2
1081079	Soil	<0.1	0.09	1.25	13.9	1.2	<0.05	3.7	7.75	37.8	0.04	<1	0.5	11.7	<10	<2
1081080	Soil	<0.1	0.05	1.15	9.8	0.7	<0.05	3.2	4.96	26.3	<0.02	<1	0.3	13.2	<10	<2
1081081	Soil	<0.1	0.07	1.36	10.7	1.9	<0.05	2.3	11.83	51.0	0.03	<1	0.8	12.8	<10	<2
1081082	Soil	0.1	0.05	1.37	10.8	1.8	<0.05	2.1	11.59	45.0	0.03	<1	0.5	13.2	<10	<2
1081083	Soil	<0.1	0.08	1.27	10.7	1.9	<0.05	2.6	12.30	37.7	0.03	<1	0.5	13.4	<10	<2
1081084	Soil	<0.1	0.02	0.86	8.6	0.9	<0.05	1.3	5.00	22.5	0.04	<1	0.4	11.2	<10	<2
1081085	Soil	<0.1	0.27	1.19	19.5	1.6	<0.05	11.1	12.27	50.6	0.04	<1	0.5	16.7	<10	<2
1081086	Soil	<0.1	0.10	1.06	16.4	1.1	<0.05	6.2	13.37	56.0	0.03	<1	0.6	10.6	<10	<2
1081087	Soil	<0.1	0.06	1.25	11.3	0.7	<0.05	2.6	5.71	33.2	0.03	<1	0.3	12.8	<10	<2
1081088	Soil	<0.1	0.03	0.82	7.0	1.3	<0.05	1.8	6.50	25.4	0.02	<1	0.5	11.7	<10	<2
1081089	Soil	<0.1	0.10	1.15	15.1	1.0	<0.05	4.7	9.63	48.5	0.03	<1	0.4	14.3	<10	<2
1081090 Agi Dagi B	Soil	<0.1	0.12	0.50	9.6	0.6	<0.05	7.0	2.62	18.1	<0.02	<1	0.2	5.7	<10	<2



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Report Date:

November 30, 2011

Page:

5 of 10

Part 1

CERTIFICATE OF ANALYSIS

WHI11001389.2

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1081091	Soil	320.0	1344	1.16	39.38	8.49	73.4	74	37.3	14.3	676	3.21	10.5	1.4	2.9	5.5	34.4	0.29	0.61	1.00
1081092	Soil	112.0	716.0	3.10	29.62	13.64	57.9	334	22.8	13.6	802	4.54	37.7	3.3	2.7	3.1	32.5	0.17	0.98	0.89
1081093	Soil	202.0	1188	2.14	29.75	20.24	90.6	267	27.6	18.2	574	3.92	12.7	3.4	6.8	10.9	33.2	0.39	0.61	1.25
1081094	Soil	328.0	1416	2.07	34.37	24.62	86.0	325	30.0	13.2	297	3.22	8.6	3.3	8.0	9.1	33.8	0.57	0.67	1.06
1081095	Soil	246.0	1476	0.62	50.63	5.70	61.0	49	41.3	14.0	461	3.09	6.4	0.5	6.2	2.8	35.0	0.12	0.41	0.07
1081096	Soil	220.0	968.0	1.58	34.38	7.68	68.0	89	47.0	20.8	495	3.89	11.4	0.8	2.2	2.3	25.7	0.28	0.64	0.13
1081097	Soil	400.0	1060	0.73	39.02	5.31	57.2	7	42.0	21.1	324	3.47	7.7	0.5	6.2	2.5	40.1	0.15	0.40	0.07
1081098	Soil	344.0	604.0	1.56	41.24	7.10	61.6	199	30.8	17.4	506	2.80	8.8	0.9	2.9	0.8	37.2	0.27	0.65	0.12
1081099	Soil	416.0	1656	0.78	61.86	6.27	75.5	68	59.6	15.7	545	3.43	10.0	0.6	1.5	3.1	33.6	0.24	0.45	0.09
1081100	Soil	286.0	1088	1.08	36.88	7.44	75.8	102	39.1	14.9	270	2.95	6.8	1.1	3.2	2.7	39.0	0.16	0.57	0.11
1081101	Soil	286.0	450.0	0.95	42.89	6.66	36.5	186	32.5	13.2	265	2.31	5.9	0.9	5.5	0.5	33.9	0.21	0.70	0.11
1081102	Soil	326.0	748.0	0.79	60.06	7.44	68.1	149	57.5	20.0	550	3.05	15.7	1.5	2.7	1.6	37.9	0.30	0.97	0.12
1081103	Soil	202.0	1800	0.57	53.44	7.15	73.7	105	47.1	14.0	363	3.16	6.6	0.5	1.5	4.0	45.3	0.21	0.51	0.09
1081104	Soil	342.0	1132	0.99	45.17	7.06	76.0	125	40.8	15.6	432	3.28	9.8	0.8	2.4	2.4	34.6	0.14	0.55	0.11
1081105	Soil	252.0	1267	0.61	44.15	5.97	66.9	27	44.9	15.0	541	3.12	8.3	0.7	2.6	3.5	40.2	0.08	0.46	0.08
1081106	Soil	302.0	1576	0.84	39.03	7.09	66.1	79	38.1	14.3	373	3.12	7.2	0.8	2.1	2.9	35.7	0.13	0.44	0.10
1081107	Soil	454.0	1066	1.09	35.86	6.66	71.2	79	36.6	15.9	497	3.13	7.8	0.8	2.2	2.4	35.7	0.16	0.47	0.12
1081108	Soil	234.0	818.0	1.39	37.07	7.39	47.8	120	32.6	11.9	295	3.00	42.6	0.8	6.5	1.3	32.8	0.11	0.63	0.29
1081109	Soil	362.0	1626	1.07	30.73	7.38	71.2	64	27.0	15.0	590	3.40	8.4	1.0	2.9	6.5	45.8	0.14	0.41	0.13
1081110 Agi Dagi A	Soil	N.A.	N.A.	72.84	17.64	71.87	18.8	41	9.5	2.5	91	3.50	86.4	0.5	406.5	3.0	11.1	0.05	3.84	22.03
1081111	Soil	208.0	904.0	2.03	29.83	8.22	81.0	149	33.7	15.4	690	3.49	12.5	1.4	4.5	3.1	39.4	0.18	0.58	0.20
1081112	Soil	182.0	444.0	1.74	41.13	6.51	56.0	145	28.1	15.1	595	2.47	8.9	0.8	2.9	0.9	40.9	0.23	0.53	0.15
1081113	Soil	362.0	638.0	1.08	34.35	6.50	60.6	118	35.5	15.3	467	2.61	6.4	0.8	3.7	1.3	41.3	0.22	0.51	0.13
1081114	Soil	220.0	378.0	1.03	26.36	7.00	61.4	105	29.1	14.1	499	2.74	6.5	0.9	2.9	1.4	35.1	0.12	0.41	0.14
1081115	Soil	190.0	1106	1.40	31.04	7.35	119.1	153	20.6	11.3	523	2.64	51.7	4.9	4.3	6.9	47.7	1.60	0.58	0.25
1081116	Soil	130.0	368.0	1.44	24.21	5.13	39.1	109	19.0	7.8	197	2.11	8.2	1.4	1.8	0.6	34.1	0.25	0.59	0.13
1081117	Soil	184.0	612.0	1.66	20.57	21.59	61.5	162	19.5	7.4	200	3.20	26.5	0.8	1.5	1.9	21.8	0.80	0.62	0.19
1081118	Soil	490.0	746.0	1.59	20.73	8.57	73.6	62	25.5	15.2	509	3.66	9.2	0.7	3.0	1.6	22.5	0.24	0.64	0.17
1081119	Soil	234.0	492.0	1.97	20.31	8.25	46.4	100	21.6	8.5	195	3.07	12.3	1.2	2.8	1.9	22.7	0.43	0.57	0.15
1081120	Soil	272.0	540.0	1.62	21.96	29.45	93.2	415	18.5	10.2	305	2.90	111.0	2.3	2.1	3.3	41.2	0.80	0.63	0.26



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Project: 210800
Report Date: November 30, 2011

Page: 5 of 10 Part 2

CERTIFICATE OF ANALYSIS

WHI11001389.2

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1081091	Soil	0.55	0.048	11.9	37.5	0.71	157.6	0.126	2	1.72	0.033	0.07	1.3	3.5	0.13	0.02	25	0.3	0.05	5.6	1.72
1081092	Soil	0.57	0.083	17.1	32.9	0.58	126.0	0.059	2	1.79	0.032	0.05	0.3	3.8	0.11	0.06	74	0.7	0.10	5.3	1.57
1081093	Soil	0.54	0.080	23.3	39.0	0.76	193.0	0.120	2	2.07	0.029	0.08	0.8	4.9	0.20	0.02	36	0.4	0.08	6.5	2.25
1081094	Soil	0.55	0.072	24.4	39.3	0.77	183.5	0.107	2	2.05	0.028	0.08	0.9	5.0	0.16	0.02	40	0.4	0.11	6.5	1.79
1081095	Soil	0.74	0.081	15.0	52.0	0.95	185.6	0.132	2	2.01	0.042	0.10	0.1	6.2	0.10	<0.02	25	0.2	0.07	5.5	0.97
1081096	Soil	0.39	0.060	11.4	51.0	0.88	177.9	0.099	2	2.79	0.024	0.07	<0.1	4.4	0.10	<0.02	20	0.4	0.09	7.0	1.07
1081097	Soil	0.72	0.054	8.8	46.7	1.11	282.8	0.154	2	3.53	0.092	0.07	<0.1	7.3	0.07	<0.02	17	0.2	0.08	7.4	1.11
1081098	Soil	0.68	0.063	10.3	37.2	0.56	158.5	0.065	2	1.96	0.030	0.05	0.1	4.1	0.10	0.06	47	0.8	0.06	6.7	1.30
1081099	Soil	0.70	0.086	12.8	57.5	1.07	186.0	0.133	3	2.49	0.044	0.09	0.1	6.5	0.12	<0.02	27	0.4	0.05	6.0	1.05
1081100	Soil	0.75	0.072	14.2	51.4	0.87	194.2	0.121	3	2.24	0.039	0.06	0.1	5.5	0.10	0.02	47	0.4	0.04	6.6	0.97
1081101	Soil	0.68	0.064	13.7	33.7	0.40	176.7	0.051	2	1.48	0.034	0.05	0.1	3.5	0.09	0.05	55	0.5	0.07	4.9	1.18
1081102	Soil	0.81	0.063	14.1	49.5	0.84	241.2	0.083	2	2.13	0.035	0.07	0.1	5.7	0.11	0.04	59	0.6	0.04	6.7	1.20
1081103	Soil	0.81	0.097	15.8	54.7	1.00	214.5	0.141	2	2.06	0.049	0.16	<0.1	6.4	0.16	<0.02	28	0.1	0.05	6.2	1.43
1081104	Soil	0.58	0.065	15.8	47.9	0.80	206.5	0.104	2	2.31	0.036	0.07	<0.1	5.7	0.11	<0.02	35	0.5	0.03	6.3	1.09
1081105	Soil	0.68	0.085	16.6	53.7	0.96	327.2	0.140	2	2.17	0.043	0.11	<0.1	5.9	0.13	<0.02	25	0.4	0.04	6.3	1.13
1081106	Soil	0.60	0.082	14.3	51.8	0.86	190.1	0.115	2	2.30	0.035	0.07	0.1	5.3	0.11	<0.02	38	0.2	0.06	6.3	1.09
1081107	Soil	0.63	0.074	13.2	48.6	0.82	178.1	0.110	2	2.07	0.038	0.07	0.1	4.6	0.12	<0.02	33	0.4	0.07	6.3	1.12
1081108	Soil	0.57	0.054	11.3	42.9	0.56	137.8	0.076	2	2.15	0.029	0.04	0.1	3.9	0.10	0.04	39	0.6	0.11	6.2	0.99
1081109	Soil	0.68	0.052	11.1	46.1	1.05	224.1	0.163	2	2.02	0.021	0.11	0.3	5.2	0.21	0.03	14	0.3	<0.02	6.7	2.09
1081110 Agi Dagi A	Soil	0.03	0.020	7.7	15.6	0.11	54.0	0.009	1	0.98	<0.001	0.05	0.4	1.7	0.19	<0.02	28	7.7	3.88	4.1	0.90
1081111	Soil	0.88	0.068	11.3	46.3	0.74	196.9	0.105	2	2.09	0.025	0.07	0.2	4.7	0.13	0.04	45	0.5	<0.02	6.7	1.49
1081112	Soil	0.90	0.063	9.1	35.6	0.56	128.2	0.066	2	1.62	0.026	0.05	0.4	3.3	0.08	0.06	44	0.5	<0.02	5.6	1.02
1081113	Soil	0.94	0.064	10.6	47.0	0.72	169.3	0.078	2	1.89	0.031	0.05	0.2	4.6	0.10	0.04	39	0.3	<0.02	5.9	1.24
1081114	Soil	0.71	0.063	10.0	42.6	0.71	148.2	0.086	2	1.83	0.031	0.05	<0.1	4.1	0.11	0.04	44	0.5	<0.02	5.8	0.96
1081115	Soil	0.83	0.061	18.4	30.5	0.60	171.4	0.119	2	1.55	0.033	0.09	1.0	3.6	0.18	0.03	36	0.6	<0.02	5.3	2.50
1081116	Soil	0.55	0.064	12.3	26.6	0.32	108.8	0.050	2	1.08	0.030	0.04	0.1	2.4	0.07	0.09	56	0.7	<0.02	3.7	1.09
1081117	Soil	0.24	0.028	6.0	31.5	0.39	81.6	0.102	1	1.53	0.014	0.03	0.2	2.5	0.12	0.03	35	0.4	<0.02	7.7	1.11
1081118	Soil	0.38	0.030	7.5	38.0	0.46	92.0	0.090	1	2.01	0.029	0.03	0.1	2.7	0.09	0.02	38	0.4	<0.02	7.4	2.00
1081119	Soil	0.28	0.034	7.3	33.3	0.38	74.0	0.072	1	1.54	0.020	0.03	0.2	2.7	0.11	0.05	56	0.6	<0.02	6.7	1.56
1081120	Soil	0.38	0.039	11.1	30.3	0.42	134.8	0.059	1	1.70	0.027	0.03	0.1	3.1	0.11	0.03	46	0.4	<0.02	5.8	1.82



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Report Date: November 30, 2011

Page: 5 of 10 Part 3

CERTIFICATE OF ANALYSIS

WHI11001389.2

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1081091	Soil	<0.1	0.08	1.22	10.9	1.1	<0.05	3.6	5.67	35.8	0.03	<1	0.4	13.2	<10	<2	9.1
1081092	Soil	<0.1	0.04	1.05	8.8	0.8	<0.05	2.1	7.90	31.2	0.03	<1	0.5	10.1	<10	<2	19.4
1081093	Soil	<0.1	0.09	1.71	16.1	0.9	<0.05	5.0	9.81	45.9	0.03	<1	0.6	14.6	<10	<2	10.3
1081094	Soil	<0.1	0.06	1.68	16.0	1.3	<0.05	5.2	11.27	45.7	0.03	<1	0.4	15.3	<10	<2	10.5
1081095	Soil	<0.1	0.13	0.45	9.2	0.9	<0.05	7.4	15.10	27.3	0.02	<1	0.5	12.5	<10	<2	5.2
1081096	Soil	<0.1	0.09	1.29	8.9	0.9	<0.05	4.4	6.90	25.7	0.03	<1	0.5	13.6	<10	<2	12.1
1081097	Soil	<0.1	0.18	1.30	5.8	0.6	<0.05	8.3	6.24	23.5	0.03	<1	0.4	17.2	<10	<2	9.3
1081098	Soil	<0.1	0.06	1.17	7.7	0.6	<0.05	2.1	6.69	22.4	<0.02	<1	0.4	11.2	<10	<2	24.8
1081099	Soil	<0.1	0.13	0.88	9.3	0.7	<0.05	7.2	10.02	35.3	0.03	<1	0.5	15.3	13	<2	7.3
1081100	Soil	<0.1	0.11	1.52	8.8	0.9	<0.05	6.6	9.43	29.8	0.03	<1	0.4	12.6	<10	<2	11.5
1081101	Soil	<0.1	0.04	1.03	8.0	0.5	<0.05	1.7	11.32	25.7	<0.02	<1	0.4	5.6	<10	<2	24.9
1081102	Soil	<0.1	0.07	1.28	10.1	0.7	<0.05	3.4	12.65	28.2	0.03	<1	0.4	15.5	<10	<2	19.3
1081103	Soil	0.1	0.22	0.43	18.0	1.2	<0.05	10.3	12.38	30.0	0.03	<1	0.4	11.9	11	<2	5.3
1081104	Soil	<0.1	0.08	1.04	9.3	0.7	<0.05	4.2	12.20	31.0	0.03	<1	0.3	11.7	<10	<2	9.8
1081105	Soil	<0.1	0.15	0.61	10.4	0.7	<0.05	8.5	11.41	32.9	0.03	<1	0.5	11.1	<10	<2	6.0
1081106	Soil	<0.1	0.07	0.91	9.8	0.9	<0.05	4.6	9.26	30.2	0.03	<1	0.6	12.2	<10	<2	7.3
1081107	Soil	<0.1	0.09	1.42	9.8	0.6	<0.05	4.1	8.13	26.6	<0.02	<1	0.5	12.0	<10	<2	11.7
1081108	Soil	<0.1	0.05	1.40	6.0	1.2	<0.05	3.4	6.59	24.0	0.03	<1	0.5	9.8	<10	<2	22.0
1081109	Soil	<0.1	0.08	1.81	18.6	0.7	<0.05	3.5	6.12	25.0	0.02	<1	0.5	19.5	<10	<2	12.4
1081110 Agi Dagi A	Soil	<0.1	0.03	0.39	8.2	3.1	<0.05	0.7	1.40	16.6	0.05	2	0.3	5.7	20	4	5.8
1081111	Soil	<0.1	0.10	1.69	11.7	0.6	<0.05	3.8	7.44	25.9	0.03	<1	0.4	15.6	<10	<2	20.5
1081112	Soil	<0.1	0.04	1.14	8.0	0.7	<0.05	2.2	5.47	19.1	<0.02	<1	0.3	10.4	<10	<2	24.6
1081113	Soil	<0.1	0.06	1.33	9.6	0.5	<0.05	3.1	7.56	22.0	<0.02	1	0.4	12.8	<10	<2	20.5
1081114	Soil	<0.1	0.04	1.37	6.9	1.1	<0.05	2.9	5.80	21.1	0.02	<1	0.3	13.0	<10	<2	17.9
1081115	Soil	<0.1	0.09	1.82	16.9	0.9	<0.05	3.9	7.76	33.9	<0.02	1	0.4	13.6	<10	<2	16.5
1081116	Soil	<0.1	0.05	0.87	6.6	0.5	<0.05	1.9	5.52	22.1	<0.02	1	0.4	5.1	<10	<2	34.9
1081117	Soil	<0.1	0.10	1.95	4.0	0.8	<0.05	3.8	2.59	12.7	0.02	<1	0.3	11.1	<10	<2	17.8
1081118	Soil	<0.1	0.04	1.22	6.4	0.6	<0.05	2.8	3.88	16.2	0.03	<1	0.6	11.8	<10	<2	12.0
1081119	Soil	<0.1	0.08	1.38	4.4	0.6	<0.05	3.5	3.49	16.9	<0.02	<1	0.3	8.1	<10	<2	22.3
1081120	Soil	<0.1	0.06	1.39	4.5	0.7	<0.05	2.9	4.89	22.3	0.03	<1	0.8	12.6	<10	<2	19.3



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Project: 210800
Report Date: November 30, 2011

Page: 6 of 10 Part 1

CERTIFICATE OF ANALYSIS

WHI11001389.2

Method Analyte Unit MDL		SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1081121	Soil	244.0	504.0	1.68	13.41	6.95	29.9	192	10.4	4.3	88	1.71	6.7	0.6	2.9	1.0	15.9	0.32	0.42	0.12
1081122	Soil	274.0	536.0	1.58	12.26	8.51	29.8	201	9.8	4.1	91	1.71	7.1	0.5	2.8	1.0	15.6	0.29	0.39	0.13
1081123	Soil	166.0	422.0	2.12	16.11	7.24	29.2	444	11.6	4.0	70	1.66	8.5	0.4	1.8	0.8	14.0	0.21	0.53	0.11
1081124	Soil	226.0	498.0	1.37	33.53	7.63	95.9	142	33.8	17.8	663	3.39	9.3	0.8	1.3	0.6	35.7	0.54	0.59	0.15
1081125	Soil	220.0	1568	3.00	39.29	7.80	71.0	84	46.2	19.9	614	3.86	26.6	0.9	3.3	1.6	27.4	0.19	0.66	0.15
1081126	Soil	362.0	678.0	1.69	27.06	8.18	77.9	87	24.9	14.9	632	3.43	13.7	0.7	1.5	0.8	32.7	0.26	0.56	0.17
1081127	Soil	358.0	618.0	1.42	25.79	6.49	65.7	112	19.2	9.8	364	2.69	8.8	0.7	1.5	0.5	31.8	0.32	0.55	0.17
1081128	Soil	338.0	1478	1.60	32.31	8.05	77.1	151	29.5	14.0	565	3.53	62.6	2.2	7.8	3.3	38.6	0.53	0.66	0.31
1081129	Soil	312.0	1414	2.36	38.09	16.16	102.3	181	42.3	20.8	778	3.74	21.3	2.1	4.4	2.8	39.9	0.19	0.96	0.14
1081130 Agi Dagi B	Soil	N.A.	N.A.	2.89	8.68	26.30	18.7	20	11.0	3.6	87	3.68	64.0	0.8	109.0	4.4	32.0	0.03	0.94	1.83
1081131	Soil	244.0	450.0	2.18	41.27	8.49	61.2	190	25.5	14.0	527	2.84	12.2	2.1	2.3	0.7	45.0	0.24	0.82	0.14
1081132	Soil	298.0	610.0	1.57	26.84	7.57	54.0	124	22.0	14.0	489	2.94	8.3	0.8	1.7	0.6	31.3	0.11	0.49	0.14
1081133	Soil	398.0	966.0	1.68	27.36	9.41	65.4	52	31.3	14.4	638	3.32	10.0	0.8	3.2	2.1	36.3	0.25	0.57	0.24
1081134	Soil	344.0	1304	1.38	32.08	9.10	76.3	87	37.0	16.4	613	3.61	13.9	1.8	7.8	5.8	38.9	0.22	0.55	0.72
1081135	Soil	370.0	556.0	1.68	30.86	7.19	59.1	125	25.1	12.9	719	2.78	19.6	1.8	4.0	1.1	46.2	0.13	0.64	0.19
1075732	Soil	136.0	1314	1.28	58.93	7.63	58.2	267	37.4	15.4	581	2.89	13.4	1.5	3.7	1.3	54.7	0.36	0.60	0.14
1075733	Soil	328.0	1422	1.31	57.66	8.15	69.6	209	38.1	16.3	501	3.21	11.0	1.3	3.3	2.0	48.2	0.31	0.55	0.15
1075734	Soil	108.0	1564	1.03	31.61	6.72	68.9	139	25.2	12.9	576	2.25	6.1	1.1	2.4	1.1	54.5	0.26	0.47	0.10
1075735	Soil	300.0	1078	0.99	31.76	5.98	63.9	120	28.0	11.8	395	2.45	6.3	1.3	4.3	1.8	46.0	0.21	0.47	0.11
1075736	Soil	162.0	892.0	0.76	30.53	5.90	54.6	89	24.4	9.0	229	1.94	4.3	1.3	3.5	1.7	47.6	0.17	0.40	0.09
1075737	Soil	444.0	1082	0.66	32.66	5.21	59.2	87	24.4	8.6	248	1.97	4.2	1.8	1.8	1.6	39.4	0.18	0.42	0.08
1075738	Soil	136.0	464.0	0.44	32.90	5.67	61.9	83	23.9	6.8	145	1.89	5.1	1.0	3.4	1.2	48.0	0.21	0.42	0.08
1075739	Soil	192.0	454.0	0.89	36.79	4.79	56.4	114	25.9	8.8	367	2.13	6.3	0.8	1.3	0.9	48.0	0.28	0.53	0.09
1075740	Soil	198.0	590.0	1.07	32.09	5.17	69.4	94	30.6	11.7	510	2.41	5.5	0.8	1.9	1.2	47.3	0.22	0.49	0.10
1075741	Soil	266.0	520.0	0.84	28.05	4.87	56.2	69	26.1	11.4	511	2.28	4.9	0.8	4.6	1.4	43.4	0.20	0.43	0.14
1075742	Soil	98.00	558.0	0.89	29.36	4.94	57.0	77	26.7	10.9	516	2.27	5.1	0.8	8.5	1.4	47.2	0.23	0.47	0.11
1075743	Soil	384.0	954.0	1.09	28.88	5.70	63.7	91	28.6	12.1	447	2.64	6.5	1.1	3.4	1.7	40.8	0.19	0.44	0.13
1075744	Soil	222.0	1206	0.83	44.24	5.66	63.2	105	36.5	12.1	457	2.78	6.8	0.9	2.3	2.2	46.9	0.22	0.50	0.13
1075745	Soil	378.0	1482	0.85	39.17	5.49	64.1	62	39.1	13.2	467	2.89	7.2	0.7	2.2	2.1	46.0	0.21	0.48	0.11
1075746	Soil	302.0	1490	0.99	45.24	7.43	56.2	101	37.4	14.2	371	3.10	8.6	1.1	1.8	2.3	34.3	0.11	0.52	0.14



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Project: 210800
Report Date: November 30, 2011

Page: 6 of 10 Part 2

CERTIFICATE OF ANALYSIS

WHI11001389.2

Method Analyte Unit MDL		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1081121	Soil	0.14	0.026	5.6	21.1	0.21	42.2	0.056	<1	0.81	0.020	0.02	0.1	1.6	0.09	0.03	46	0.4	<0.02	4.6	0.84
1081122	Soil	0.14	0.025	5.3	21.1	0.22	44.2	0.060	<1	0.84	0.020	0.03	0.1	1.7	0.09	0.02	50	0.5	<0.02	5.0	1.08
1081123	Soil	0.12	0.019	4.7	19.7	0.13	38.0	0.065	1	0.57	0.014	0.02	0.1	1.4	0.05	0.02	40	0.4	<0.02	4.2	1.36
1081124	Soil	0.66	0.062	9.8	39.3	0.61	150.9	0.061	2	1.90	0.029	0.05	0.1	3.0	0.08	0.07	44	0.5	0.04	6.2	1.18
1081125	Soil	0.43	0.056	10.8	48.7	0.95	144.0	0.087	2	2.54	0.020	0.10	<0.1	3.9	0.13	0.05	24	0.5	0.04	7.6	2.69
1081126	Soil	0.58	0.054	8.8	38.4	0.64	151.3	0.067	2	1.63	0.029	0.05	0.1	2.8	0.07	0.05	24	0.3	<0.02	7.0	1.07
1081127	Soil	0.49	0.063	8.9	30.6	0.44	134.9	0.058	2	1.45	0.027	0.04	0.2	2.2	0.07	0.06	27	0.5	<0.02	5.9	1.01
1081128	Soil	0.48	0.065	14.7	41.0	0.79	178.2	0.097	2	2.24	0.030	0.07	0.2	4.1	0.19	0.05	31	0.6	0.03	7.4	2.55
1081129	Soil	0.57	0.054	12.8	48.6	0.82	152.3	0.098	2	2.31	0.019	0.09	0.1	4.5	0.13	0.03	34	0.5	<0.02	8.0	7.70
1081130 Agi Dagi B	Soil	0.04	0.019	8.9	21.8	0.12	69.7	0.021	1	1.10	0.002	0.07	0.1	2.3	0.10	0.03	35	2.4	0.43	8.6	0.86
1081131	Soil	0.85	0.068	12.3	34.6	0.52	118.0	0.062	2	1.70	0.031	0.05	0.1	3.0	0.11	0.08	52	0.6	<0.02	5.9	4.79
1081132	Soil	0.49	0.078	10.2	33.2	0.53	127.8	0.062	2	1.77	0.035	0.04	0.1	2.8	0.10	0.07	37	0.6	<0.02	5.9	1.37
1081133	Soil	0.57	0.054	9.5	39.2	0.71	173.3	0.099	2	2.03	0.023	0.06	0.2	4.0	0.10	0.03	18	0.4	<0.02	7.4	3.64
1081134	Soil	0.62	0.076	11.7	43.7	0.87	176.9	0.131	2	2.51	0.024	0.07	0.2	5.0	0.11	0.02	27	0.3	<0.02	7.7	3.07
1081135	Soil	0.85	0.084	21.3	34.7	0.53	202.0	0.059	3	1.90	0.032	0.05	0.1	3.6	0.11	0.07	42	0.7	<0.02	5.6	2.17
1075732	Soil	1.51	0.072	18.2	39.2	0.66	189.5	0.078	3	1.80	0.035	0.08	0.1	4.6	0.11	0.06	42	1.0	<0.02	5.3	1.14
1075733	Soil	1.21	0.061	15.8	45.1	0.80	180.3	0.095	1	1.93	0.036	0.09	0.1	4.8	0.10	0.04	34	0.5	<0.02	6.2	1.17
1075734	Soil	1.41	0.071	10.6	33.9	0.60	151.6	0.074	3	1.34	0.037	0.09	0.1	3.2	0.10	0.06	42	0.8	<0.02	4.6	1.06
1075735	Soil	1.07	0.070	12.2	36.5	0.66	170.9	0.092	3	1.51	0.035	0.08	0.1	3.5	0.10	0.05	52	0.6	<0.02	5.1	1.09
1075736	Soil	1.31	0.062	11.3	34.6	0.63	154.3	0.094	3	1.36	0.035	0.08	0.1	3.3	0.09	0.07	28	0.7	<0.02	4.4	0.92
1075737	Soil	0.98	0.067	11.3	36.9	0.70	138.1	0.104	2	1.50	0.036	0.06	0.1	3.7	0.09	0.06	36	0.6	<0.02	5.0	0.89
1075738	Soil	1.31	0.062	10.2	35.8	0.62	148.2	0.082	2	1.35	0.034	0.06	<0.1	3.6	0.08	0.09	29	0.6	<0.02	4.5	0.77
1075739	Soil	1.26	0.059	10.9	30.5	0.51	154.5	0.063	2	1.27	0.030	0.06	<0.1	3.0	0.07	0.07	35	0.7	<0.02	4.0	0.66
1075740	Soil	1.17	0.069	11.3	41.5	0.68	164.9	0.092	3	1.51	0.037	0.07	0.1	3.5	0.08	0.05	26	0.6	<0.02	4.7	0.80
1075741	Soil	1.13	0.063	10.2	33.4	0.64	147.2	0.086	4	1.42	0.034	0.07	<0.1	3.7	0.11	0.05	27	0.1	<0.02	4.2	0.74
1075742	Soil	1.20	0.071	11.3	32.4	0.64	154.8	0.084	4	1.40	0.035	0.07	0.1	3.7	0.10	0.06	23	0.2	<0.02	4.2	0.73
1075743	Soil	0.99	0.069	11.7	38.2	0.72	155.2	0.092	3	1.59	0.036	0.06	0.1	4.2	0.11	0.05	35	0.3	0.03	5.1	0.88
1075744	Soil	1.23	0.072	15.1	41.9	0.76	233.8	0.097	3	1.75	0.040	0.08	0.1	4.7	0.12	0.03	31	0.3	0.03	4.9	0.96
1075745	Soil	1.22	0.057	10.2	44.8	0.88	168.3	0.110	3	1.80	0.042	0.11	0.1	4.6	0.13	0.03	15	0.3	0.02	5.3	0.94
1075746	Soil	0.81	0.046	14.6	42.9	0.75	197.1	0.092	2	2.07	0.034	0.06	<0.1	4.9	0.11	<0.02	44	0.2	0.03	5.9	0.91



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Project: 210800
Report Date: November 30, 2011

Page: 6 of 10 Part 3

CERTIFICATE OF ANALYSIS

WHI11001389.2

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1081121	Soil	<0.1	0.04	0.86	2.8	0.6	<0.05	2.0	2.14	10.9	<0.02	<1	0.3	3.4	<10	<2	15.5
1081122	Soil	<0.1	0.03	0.93	3.2	0.6	<0.05	2.1	2.21	10.6	<0.02	<1	0.2	4.7	<10	<2	15.2
1081123	Soil	<0.1	0.04	0.86	3.9	0.5	<0.05	2.3	1.79	9.5	<0.02	1	<0.1	2.2	<10	<2	15.0
1081124	Soil	<0.1	0.05	1.03	10.0	0.5	<0.05	2.0	6.91	24.3	0.02	2	0.4	10.9	<10	<2	22.2
1081125	Soil	<0.1	0.04	1.18	14.9	0.7	<0.05	2.3	6.02	30.9	0.03	2	0.7	17.2	<10	<2	15.8
1081126	Soil	<0.1	0.03	0.90	9.9	0.6	<0.05	1.9	5.09	19.6	0.03	<1	0.4	10.9	<10	<2	16.9
1081127	Soil	<0.1	0.03	0.88	9.3	0.5	<0.05	1.5	4.69	18.3	<0.02	<1	0.5	7.7	<10	<2	19.4
1081128	Soil	<0.1	0.04	1.35	14.2	1.0	<0.05	3.0	7.35	29.5	0.03	<1	0.9	13.1	<10	<2	17.3
1081129	Soil	<0.1	0.04	1.17	13.7	0.7	<0.05	2.8	6.25	28.2	0.04	1	1.1	21.5	<10	<2	13.1
1081130 Agi Dagi B	Soil	<0.1	0.13	0.47	9.3	0.5	<0.05	7.6	2.57	18.0	<0.02	3	0.2	5.8	<10	<2	10.8
1081131	Soil	<0.1	0.04	1.16	9.2	0.5	<0.05	2.1	9.76	22.5	0.03	1	0.6	9.7	<10	<2	26.7
1081132	Soil	<0.1	0.02	1.01	6.9	0.7	<0.05	1.9	6.06	21.3	0.04	<1	0.4	8.4	<10	<2	22.2
1081133	Soil	<0.1	0.04	1.17	9.0	0.8	<0.05	2.9	5.40	21.8	0.03	<1	0.4	14.8	<10	<2	13.5
1081134	Soil	<0.1	0.07	1.27	10.3	0.9	<0.05	4.1	7.01	25.8	0.03	<1	0.8	17.5	<10	<2	11.2
1081135	Soil	<0.1	0.02	1.10	9.5	1.1	<0.05	2.0	13.30	37.5	0.02	2	0.6	9.3	<10	<2	28.1
1075732	Soil	<0.1	0.09	1.55	10.8	1.1	<0.05	4.2	16.88	34.1	0.02	<1	0.7	14.2	<10	<2	27.5
1075733	Soil	<0.1	0.09	1.68	11.5	1.0	<0.05	5.2	12.18	31.1	0.02	<1	0.5	14.2	<10	<2	19.5
1075734	Soil	<0.1	0.05	1.37	11.1	1.2	<0.05	3.0	7.44	22.7	0.02	<1	0.3	10.1	<10	<2	26.1
1075735	Soil	<0.1	0.06	1.57	11.5	0.6	<0.05	3.3	8.37	24.2	0.02	1	0.5	11.2	<10	<2	21.9
1075736	Soil	<0.1	0.08	1.63	12.4	1.3	<0.05	3.5	7.94	22.3	<0.02	<1	0.3	10.9	<10	<2	24.7
1075737	Soil	<0.1	0.06	1.47	9.2	0.6	<0.05	3.5	7.99	21.9	<0.02	1	0.3	11.4	<10	<2	17.0
1075738	Soil	<0.1	0.08	1.46	7.6	0.7	<0.05	4.2	7.31	20.2	<0.02	<1	0.3	9.0	<10	<2	29.1
1075739	Soil	<0.1	0.07	1.24	8.1	0.4	<0.05	3.6	9.62	21.1	<0.02	1	0.2	7.6	<10	<2	33.1
1075740	Soil	<0.1	0.06	1.41	9.3	0.5	<0.05	3.6	8.48	22.2	0.02	<1	0.4	10.6	<10	<2	22.5
1075741	Soil	<0.1	0.08	1.45	9.1	0.5	<0.05	3.7	7.55	19.6	0.04	<1	0.3	12.3	<10	<2	23.3
1075742	Soil	<0.1	0.08	1.41	9.2	0.7	<0.05	3.9	8.46	21.4	<0.02	<1	0.3	11.3	<10	<2	25.3
1075743	Soil	<0.1	0.08	1.51	8.2	0.5	<0.05	3.7	7.99	23.0	<0.02	<1	0.4	14.3	<10	<2	19.1
1075744	Soil	<0.1	0.08	1.71	9.4	0.8	<0.05	4.6	11.73	27.8	0.03	1	0.6	14.3	<10	<2	17.8
1075745	Soil	<0.1	0.09	1.60	13.1	0.6	<0.05	5.2	7.20	26.5	0.03	<1	0.4	15.4	<10	<2	14.8
1075746	Soil	<0.1	0.09	1.46	8.5	0.8	<0.05	4.6	10.41	29.4	0.02	<1	0.7	15.8	<10	<2	11.6



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Report Date:

November 30, 2011

Page:

7 of 10

Part 1

CERTIFICATE OF ANALYSIS

WHI11001389.2

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1075747	Soil	250.0	576.0	0.78	29.72	4.97	59.0	76	28.9	11.3	438	2.48	6.4	1.0	20.4	1.5	45.4	0.17	0.39	0.10
1075748	Soil	274.0	1290	0.92	36.27	5.92	62.6	92	33.5	12.9	493	2.85	7.0	0.9	2.7	1.8	46.2	0.18	0.49	0.11
1075749	Soil	314.0	1554	0.86	29.64	5.90	58.8	63	31.7	13.0	570	2.79	6.4	0.7	2.6	2.0	41.0	0.18	0.40	0.11
1075750 GS-1	Soil	N.A.	N.A.	0.64	20.58	9.34	52.0	32	25.7	11.7	444	2.72	4.1	1.6	0.2	8.1	88.7	0.05	0.20	0.22
1075163	Soil	110.0	608.0	0.98	26.60	5.35	61.6	69	30.7	13.0	578	2.51	5.6	0.9	3.1	1.9	37.6	0.19	0.41	0.11
1075164	Soil	210.0	614.0	0.83	23.81	5.87	63.6	82	29.5	12.2	509	2.57	5.8	0.8	2.3	1.8	43.5	0.19	0.37	0.12
1075165	Soil	170.0	492.0	0.88	27.20	5.06	60.4	72	30.6	12.4	455	2.45	5.3	0.9	1.5	1.7	42.5	0.21	0.41	0.11
1075166	Soil	500.0	772.0	0.86	29.27	5.54	57.6	90	30.7	13.4	506	2.56	6.4	1.0	2.5	2.0	38.3	0.13	0.41	0.11
1075167	Soil	156.0	342.0	0.92	31.18	4.79	78.2	73	29.2	11.5	568	2.34	5.7	0.8	4.0	1.4	43.4	0.22	0.44	0.10
1075168	Soil	284.0	1004	0.94	22.19	5.66	60.6	59	29.2	12.3	463	2.68	6.7	0.7	1.5	2.4	33.6	0.12	0.35	0.12
1075169	Soil	286.0	590.0	1.25	28.33	5.92	59.5	100	30.2	16.0	590	2.73	6.6	1.0	4.4	1.9	37.5	0.12	0.42	0.17
1075170 Agi Dagi A	Soil	N.A.	N.A.	72.19	17.19	67.29	18.4	43	8.9	2.3	88	3.41	84.2	0.5	391.1	3.0	11.4	0.05	3.60	20.29
1075171	Soil	145.0	454.0	0.91	28.45	5.03	54.8	86	30.0	11.4	439	2.43	5.8	0.9	2.1	1.6	41.8	0.14	0.44	0.18
1075172	Soil	208.0	422.0	1.17	29.91	5.44	67.1	109	29.7	11.9	579	2.47	6.3	1.5	3.1	1.3	48.8	0.22	0.46	0.14
1075173	Soil	153.0	428.0	1.23	28.87	5.42	57.2	96	28.4	12.8	519	2.50	6.9	1.4	3.2	1.8	45.4	0.17	0.43	0.13
1075174	Soil	178.0	1462	0.69	41.39	5.95	58.5	81	46.8	13.7	495	2.61	6.3	0.8	3.7	4.7	44.5	0.19	0.44	0.11
1075175	Soil	155.0	1126	0.84	26.26	4.68	54.8	67	29.3	11.0	408	2.29	5.5	0.9	1.5	2.0	44.1	0.16	0.42	0.10
1075176	Soil	296.0	852.0	1.17	32.75	4.85	51.4	101	29.6	10.8	484	2.48	6.7	1.6	4.5	1.6	44.2	0.15	0.45	0.10
1075177	Soil	179.0	482.0	1.03	32.31	5.36	53.8	89	28.8	9.2	302	2.16	5.3	1.4	3.2	1.0	48.5	0.17	0.43	0.11
1075178	Soil	206.0	1208	0.78	36.74	5.00	53.9	71	38.2	11.5	339	2.36	5.7	1.3	4.4	2.6	39.6	0.14	0.34	0.09
1075179	Soil	333.0	1612	0.76	29.31	4.47	50.1	54	37.7	12.2	419	2.53	5.6	0.9	2.7	3.1	35.9	0.12	0.33	0.09
1075180	Soil	312.0	758.0	0.93	26.16	5.03	66.3	79	27.0	10.4	366	2.48	6.0	0.9	2.2	1.4	45.7	0.16	0.41	0.10
1075181	Soil	177.0	1170	0.64	26.11	5.17	52.0	82	27.9	11.6	570	2.37	5.2	0.9	7.3	1.5	50.5	0.18	0.39	0.09
1075182	Soil	94.00	1374	0.75	28.05	6.62	50.1	74	27.9	11.2	508	2.26	4.8	1.0	2.1	1.3	55.6	0.20	0.43	0.09
1075183	Soil	277.0	1848	0.83	28.80	5.56	59.5	71	30.2	11.3	496	2.64	5.4	0.6	1.4	2.1	45.7	0.22	0.39	0.08
1075184	Soil	330.0	636.0	0.69	30.45	5.11	66.3	78	29.5	11.6	499	2.52	5.8	0.7	3.5	1.7	50.6	0.19	0.42	0.10
1075185	Soil	215.0	1686	0.91	39.55	6.56	65.6	92	34.3	13.2	507	2.93	7.6	0.5	3.0	2.4	45.9	0.20	0.48	0.10
1075186	Soil	240.0	626.0	0.81	31.97	5.15	64.8	98	28.4	10.6	478	2.51	6.3	0.9	5.1	1.6	51.8	0.17	0.43	0.09
1075187	Soil	273.0	1294	0.78	39.93	5.98	61.0	103	35.4	13.3	502	2.76	6.9	0.8	3.2	2.2	49.6	0.23	0.46	0.10
1075188	Soil	352.0	1466	0.92	24.90	4.79	59.0	79	30.2	13.0	540	2.57	5.5	0.7	1.9	2.0	42.1	0.17	0.36	0.09



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Project: 210800
Report Date: November 30, 2011

Page: 7 of 10 Part 2

CERTIFICATE OF ANALYSIS

WHI11001389.2

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1075747	Soil	1.30	0.060	10.3	37.8	0.72	146.8	0.095	4	1.56	0.038	0.08	0.1	4.1	0.10	0.05	25	0.5	0.03	4.6	0.68
1075748	Soil	1.19	0.074	13.2	41.0	0.76	170.1	0.094	3	1.72	0.039	0.08	0.1	4.6	0.11	0.03	28	0.2	<0.02	5.1	0.76
1075749	Soil	0.97	0.070	11.0	41.6	0.79	147.4	0.112	2	1.62	0.042	0.09	<0.1	4.4	0.11	0.02	29	0.2	0.03	5.1	0.79
1075750 GS-1	Soil	3.83	0.044	22.1	20.0	1.08	71.8	0.033	2	1.27	0.025	0.24	0.1	2.3	0.11	0.03	10	<0.1	<0.02	3.5	1.02
1075163	Soil	0.84	0.073	11.1	36.9	0.70	153.5	0.088	3	1.57	0.031	0.06	0.1	3.7	0.10	0.04	34	0.2	0.03	5.0	0.96
1075164	Soil	1.01	0.064	10.5	40.2	0.73	162.8	0.090	3	1.55	0.032	0.07	0.1	3.7	0.10	0.03	36	0.2	<0.02	5.1	0.87
1075165	Soil	1.02	0.071	10.2	40.8	0.75	165.2	0.089	3	1.56	0.032	0.08	0.1	3.9	0.11	0.04	32	0.2	<0.02	4.7	0.93
1075166	Soil	0.91	0.067	12.1	41.7	0.72	166.8	0.094	3	1.56	0.034	0.07	0.1	4.0	0.11	0.03	25	0.2	<0.02	5.2	0.83
1075167	Soil	1.29	0.062	9.8	35.3	0.65	147.5	0.077	3	1.38	0.033	0.07	0.1	3.8	0.09	0.06	43	0.2	<0.02	4.5	0.79
1075168	Soil	0.74	0.065	10.2	42.6	0.74	149.8	0.108	2	1.54	0.032	0.06	0.1	3.7	0.10	<0.02	21	0.2	<0.02	5.6	0.89
1075169	Soil	0.83	0.069	11.0	43.5	0.75	161.6	0.092	3	1.68	0.032	0.07	0.1	4.1	0.09	0.04	29	0.2	0.04	5.6	1.00
1075170 Agi Dagi A	Soil	0.02	0.021	7.0	14.0	0.12	49.9	0.008	<1	0.97	<0.001	0.05	0.3	1.7	0.18	<0.02	26	7.5	3.49	4.1	0.84
1075171	Soil	1.03	0.066	10.5	38.3	0.69	161.3	0.085	3	1.51	0.034	0.08	0.2	3.8	0.11	0.05	45	0.2	0.02	4.7	1.02
1075172	Soil	1.28	0.073	10.9	36.5	0.67	183.9	0.080	3	1.54	0.033	0.08	0.1	3.6	0.13	0.06	33	0.4	<0.02	4.6	0.98
1075173	Soil	1.09	0.068	11.6	35.1	0.68	177.2	0.098	3	1.48	0.032	0.08	0.1	3.7	0.12	0.05	47	0.2	0.04	4.6	1.06
1075174	Soil	1.24	0.098	14.9	54.1	1.05	222.1	0.138	2	1.61	0.051	0.21	0.2	4.8	0.19	<0.02	15	<0.1	<0.02	5.2	1.58
1075175	Soil	1.12	0.066	11.2	35.9	0.67	154.6	0.093	2	1.36	0.034	0.08	0.1	3.6	0.11	0.04	24	0.2	0.03	4.4	0.84
1075176	Soil	1.16	0.063	11.5	35.5	0.62	173.7	0.081	3	1.44	0.034	0.07	<0.1	3.6	0.09	0.05	37	0.3	0.02	4.4	0.83
1075177	Soil	1.22	0.076	11.8	34.6	0.60	172.8	0.070	2	1.48	0.034	0.07	0.1	3.4	0.11	0.07	41	0.3	0.02	4.5	0.85
1075178	Soil	0.94	0.076	13.1	46.4	0.78	169.9	0.109	2	1.50	0.036	0.10	0.1	4.0	0.13	0.03	25	0.2	0.04	4.7	1.11
1075179	Soil	0.86	0.065	11.0	54.5	0.82	157.1	0.123	2	1.53	0.038	0.10	0.1	3.9	0.13	<0.02	14	0.1	<0.02	4.5	1.13
1075180	Soil	1.17	0.066	10.4	33.7	0.71	138.9	0.085	2	1.50	0.038	0.07	0.1	3.8	0.10	0.04	34	0.2	<0.02	4.6	0.78
1075181	Soil	1.51	0.063	12.1	32.0	0.67	149.3	0.082	3	1.40	0.036	0.08	0.1	3.6	0.09	0.05	33	0.2	0.03	3.9	0.72
1075182	Soil	1.65	0.065	11.4	32.0	0.63	149.2	0.079	3	1.34	0.036	0.07	0.1	3.6	0.10	0.06	35	0.3	<0.02	3.8	0.70
1075183	Soil	1.11	0.080	11.9	38.8	0.85	134.5	0.113	3	1.52	0.050	0.13	0.1	4.5	0.12	0.02	17	<0.1	<0.02	4.6	0.84
1075184	Soil	1.45	0.070	11.5	38.8	0.77	145.8	0.097	3	1.58	0.042	0.10	0.1	4.5	0.11	0.05	31	0.2	<0.02	4.5	0.88
1075185	Soil	1.09	0.082	12.7	44.7	0.87	141.3	0.117	3	1.73	0.047	0.12	0.1	5.2	0.14	<0.02	30	0.1	<0.02	5.6	0.95
1075186	Soil	1.50	0.079	11.7	35.5	0.74	145.0	0.089	3	1.53	0.039	0.09	<0.1	4.3	0.12	0.06	26	0.3	<0.02	4.4	0.85
1075187	Soil	1.20	0.072	12.7	45.0	0.88	163.1	0.104	2	1.71	0.046	0.10	0.1	4.8	0.13	0.03	31	0.4	0.02	5.5	0.99
1075188	Soil	1.00	0.074	12.2	36.5	0.74	150.7	0.104	3	1.52	0.040	0.08	0.1	4.2	0.11	0.03	19	0.2	<0.02	4.7	0.80



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Project: 210800
Report Date: November 30, 2011

Page: 7 of 10 Part 3

CERTIFICATE OF ANALYSIS

WHI11001389.2

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
1075747	Soil	<0.1	0.08	1.53	9.3	0.5	<0.05	3.8	7.41	20.1	0.02	<1	0.3	14.2	<10	<2
1075748	Soil	<0.1	0.09	1.49	9.8	0.6	<0.05	4.2	10.11	25.2	0.03	1	0.4	13.3	<10	<2
1075749	Soil	<0.1	0.09	1.36	10.6	1.4	<0.05	4.7	7.64	22.5	0.02	<1	0.3	13.8	<10	<2
1075750 GS-1	Soil	<0.1	0.03	0.73	15.9	0.6	<0.05	1.0	8.08	44.3	<0.02	1	0.3	32.1	<10	<2
1075163	Soil	<0.1	0.07	1.43	9.0	0.5	<0.05	3.0	7.02	21.3	0.03	<1	0.3	12.0	<10	<2
1075164	Soil	<0.1	0.07	1.57	9.6	0.5	<0.05	3.5	6.70	19.9	0.03	<1	0.2	13.3	<10	<2
1075165	Soil	<0.1	0.07	1.61	9.8	0.5	<0.05	3.5	6.64	18.6	0.03	<1	0.2	12.0	<10	<2
1075166	Soil	<0.1	0.06	1.52	8.1	0.5	<0.05	3.3	7.96	22.9	0.03	<1	0.3	12.5	<10	<2
1075167	Soil	<0.1	0.07	1.50	9.4	0.4	<0.05	3.6	6.87	18.9	<0.02	<1	0.2	11.0	<10	<2
1075168	Soil	<0.1	0.06	1.38	8.0	0.5	<0.05	3.4	5.55	18.5	0.02	<1	0.2	13.5	<10	<2
1075169	Soil	<0.1	0.06	1.64	8.8	0.6	<0.05	3.4	6.53	20.9	<0.02	<1	0.2	13.6	<10	<2
1075170 Agi Dag A	Soil	<0.1	<0.02	0.39	8.9	2.9	<0.05	0.8	1.44	14.4	0.08	<1	0.3	6.0	<10	4
1075171	Soil	<0.1	0.05	1.52	10.6	0.7	<0.05	3.2	6.87	19.4	<0.02	2	0.3	11.0	<10	<2
1075172	Soil	<0.1	0.06	1.51	11.9	0.4	<0.05	3.0	7.23	20.5	<0.02	<1	0.2	12.6	<10	<2
1075173	Soil	<0.1	0.06	1.69	12.6	0.7	<0.05	3.2	7.21	21.4	0.02	<1	0.2	12.7	<10	<2
1075174	Soil	<0.1	0.11	1.17	17.2	1.5	<0.05	5.0	9.20	27.7	0.02	1	0.4	13.1	<10	<2
1075175	Soil	<0.1	0.06	1.51	10.1	0.7	<0.05	3.4	7.01	21.0	0.02	<1	0.2	10.7	<10	<2
1075176	Soil	<0.1	0.06	1.49	10.0	0.5	<0.05	3.3	8.06	20.4	0.03	<1	0.3	10.6	<10	<2
1075177	Soil	<0.1	0.06	1.32	10.7	0.5	<0.05	3.0	8.27	21.8	0.02	<1	0.3	11.0	<10	<2
1075178	Soil	<0.1	0.07	1.28	13.0	1.1	<0.05	3.3	8.94	23.0	0.02	<1	0.3	13.0	<10	<2
1075179	Soil	<0.1	0.07	1.24	12.4	0.7	<0.05	3.5	6.51	21.8	<0.02	<1	0.3	13.5	<10	<2
1075180	Soil	<0.1	0.06	1.48	9.5	0.5	<0.05	3.7	7.43	19.8	<0.02	<1	0.3	12.0	<10	<2
1075181	Soil	<0.1	0.09	1.48	9.8	1.3	<0.05	4.2	9.51	24.3	0.03	<1	0.3	11.4	<10	<2
1075182	Soil	<0.1	0.09	1.43	10.0	2.1	<0.05	4.2	8.77	23.4	<0.02	<1	0.3	10.6	<10	<2
1075183	Soil	<0.1	0.06	1.19	12.1	1.5	<0.05	4.4	8.60	23.4	0.02	<1	0.3	10.5	<10	2
1075184	Soil	<0.1	0.08	1.59	12.1	0.6	<0.05	4.5	8.82	22.2	<0.02	<1	0.3	12.5	<10	<2
1075185	Soil	<0.1	0.12	1.41	13.8	1.5	<0.05	6.4	10.38	23.8	0.03	<1	0.3	13.0	<10	<2
1075186	Soil	<0.1	0.09	1.64	12.3	0.6	<0.05	4.4	8.99	21.1	0.02	<1	0.3	11.9	<10	<2
1075187	Soil	<0.1	0.10	1.66	12.4	1.0	<0.05	4.5	9.24	23.3	0.02	<1	0.5	13.2	<10	<2
1075188	Soil	<0.1	0.07	1.25	10.4	0.7	<0.05	3.6	8.57	23.2	0.03	<1	0.3	11.0	<10	<2



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Project: 210800
Report Date: November 30, 2011

Page: 8 of 10 Part 1

CERTIFICATE OF ANALYSIS

WHI11001389.2

	Method Analyte	Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
			-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
			g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
			0	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
1075189	Soil		365.0	1144	0.78	26.48	5.46	61.2	102	29.4	11.1	421	2.40	4.7	1.1	6.9	1.6	39.9	0.24	0.40	0.14
1075190 Agi Dagi B	Soil		N.A.	N.A.	2.65	8.01	23.18	16.5	17	9.5	3.1	86	3.52	59.2	0.8	84.9	4.4	28.0	0.03	0.97	1.86
1075191	Soil		348.0	890.0	0.54	33.81	4.99	69.0	107	33.5	9.4	260	2.32	2.8	1.5	9.7	2.0	42.7	0.22	0.42	0.13
1075192	Soil		255.0	1194	1.38	38.99	6.84	85.6	181	38.8	13.6	571	2.78	7.2	1.3	6.1	1.1	48.9	0.33	0.53	0.15
1075193	Soil		224.0	1882	0.96	41.31	8.38	86.8	142	47.9	15.0	447	3.02	7.0	0.9	4.0	2.8	40.8	0.24	0.46	0.15
1075194	Soil		277.0	570.0	1.54	35.72	7.26	66.6	189	31.5	14.3	689	2.77	7.3	1.0	3.3	1.3	41.6	0.24	0.51	0.17
1075195	Soil		228.0	626.0	1.22	23.31	4.79	34.2	78	17.4	5.6	172	2.01	5.2	0.8	2.4	0.9	28.7	0.15	0.52	0.12
1075196	Soil		235.0	1086	1.16	35.29	7.13	60.5	128	34.0	15.3	669	2.77	7.2	1.0	3.5	1.5	49.6	0.20	0.62	0.14
1075197	Soil		302.0	1094	0.72	28.36	6.41	47.0	108	700.2	41.1	640	3.35	32.9	0.8	4.2	1.7	36.1	0.14	1.72	0.44
1081351	Soil		511.0	1206	10.00	24.14	14.91	77.9	122	27.2	13.1	545	3.53	10.2	12.1	6.1	2.0	30.2	0.20	0.58	0.35
1081352	Soil		400.0	1250	7.69	27.23	11.76	77.7	187	28.2	13.9	629	3.46	14.2	7.7	8.1	3.3	31.7	0.15	0.83	0.66
1081353	Soil		383.0	1330	2.66	27.70	10.13	81.3	184	29.4	14.1	613	3.43	12.1	5.1	4.1	2.5	37.1	0.20	0.81	0.70
1081354	Soil		156.0	1922	2.56	31.10	13.39	79.6	180	31.3	14.2	392	3.51	18.6	9.3	16.2	9.8	42.5	0.28	2.35	0.72
1081355	Soil		203.0	1670	2.37	36.96	12.15	66.5	167	33.2	12.5	257	3.90	14.2	13.1	2.9	9.9	36.0	0.21	1.76	0.59
1081356	Soil		366.0	1696	1.61	26.52	8.51	66.8	82	30.1	14.4	639	3.46	10.8	2.4	4.5	4.2	32.7	0.16	1.18	0.31
1081357	Soil		809.0	1040	1.92	32.80	11.14	70.4	91	33.1	17.8	852	3.72	13.6	4.5	3.7	2.5	36.9	0.19	1.25	0.41
1081358	Soil		166.0	1764	1.23	24.68	9.70	67.6	104	28.6	13.5	543	3.24	8.8	2.1	6.9	7.9	31.4	0.25	1.43	0.54
1081359	Soil		391.0	674.0	2.28	29.10	8.09	55.5	169	25.7	14.8	500	3.10	9.6	1.3	4.5	1.1	33.0	0.17	1.06	0.20
1081360	Soil		210.0	574.0	1.68	15.37	8.50	37.0	157	15.2	9.8	394	2.32	7.4	0.9	3.9	1.0	33.0	0.14	0.75	0.19
1081361	Soil		409.0	710.0	2.14	36.81	10.11	66.9	195	26.8	12.4	510	3.13	10.3	5.9	4.3	4.6	38.2	0.15	1.53	0.61
1081362	Soil		246.0	610.0	2.30	39.51	10.67	70.8	253	27.8	12.8	546	3.25	11.4	6.9	3.7	5.2	40.6	0.18	1.75	0.63
1081363	Soil		419.0	846.0	1.95	23.85	8.60	63.4	179	23.2	12.7	474	3.16	10.0	2.4	1.5	2.4	27.6	0.13	1.12	0.32
1081364	Soil		352.0	766.0	3.40	30.48	10.31	78.3	166	27.7	13.4	605	3.45	10.2	8.4	2.5	2.6	32.8	0.17	0.80	0.46
1081365	Soil		269.0	674.0	3.52	29.24	9.75	77.4	134	30.9	14.6	657	3.48	11.3	9.2	7.0	3.1	39.9	0.20	0.82	0.23
1081366	Soil		196.0	1018	4.10	34.45	11.28	80.0	133	33.8	14.9	645	3.83	12.2	8.2	2.8	3.2	37.3	0.18	1.12	0.23
1081367	Soil		219.0	630.0	3.91	24.35	8.36	67.8	109	25.9	11.1	366	3.00	8.7	6.4	4.6	2.2	40.1	0.15	0.58	0.17
1081368	Soil		200.0	648.0	7.30	25.16	14.73	78.0	143	27.8	13.7	536	3.39	8.8	31.0	2.2	3.7	50.7	0.15	0.54	0.25
1081369	Soil		419.0	920.0	5.41	24.00	9.10	85.3	107	28.9	13.8	550	3.42	9.4	10.5	3.0	2.1	43.2	0.11	0.57	0.20
1081370 Agi Dagi A	Soil		N.A.	N.A.	72.80	19.12	72.63	19.8	49	10.0	2.6	92	3.57	89.4	0.6	466.5	3.1	12.0	0.07	3.90	22.12
1081371	Soil		228.0	1334	6.61	27.27	8.92	78.8	129	30.5	13.7	621	3.45	9.0	30.9	2.6	2.3	54.1	0.12	0.52	0.25



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Report Date:

November 30, 2011

Page:

8 of 10

Part 2

CERTIFICATE OF ANALYSIS

WHI11001389.2

Method Analyte Unit MDL		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1075189	Soil	1.07	0.070	10.2	37.3	0.72	162.4	0.086	3	1.44	0.030	0.08	<0.1	3.5	0.11	0.04	32	0.4	<0.02	4.2	0.67
1075190	Agi Dagi B Soil	0.04	0.018	7.5	19.9	0.12	60.1	0.017	1	0.96	0.001	0.05	0.1	2.0	0.11	<0.02	29	2.1	0.37	7.2	0.71
1075191	Soil	1.10	0.083	11.0	42.0	0.79	177.3	0.101	3	1.53	0.036	0.10	0.2	3.8	0.13	0.04	38	0.4	<0.02	4.1	0.81
1075192	Soil	1.09	0.075	13.1	40.4	0.73	213.4	0.066	3	1.75	0.028	0.07	0.1	3.9	0.12	0.06	37	0.5	0.02	4.5	0.85
1075193	Soil	0.82	0.081	12.6	51.4	0.93	192.4	0.110	2	1.98	0.035	0.12	0.1	5.0	0.15	0.03	47	0.2	0.03	5.4	1.08
1075194	Soil	0.86	0.068	11.2	39.8	0.64	150.4	0.074	2	1.68	0.029	0.06	0.1	3.5	0.12	0.05	31	0.3	<0.02	5.5	1.03
1075195	Soil	0.45	0.043	9.7	24.4	0.27	98.9	0.047	1	1.01	0.022	0.04	0.1	2.1	0.06	0.04	41	0.3	0.03	3.4	0.56
1075196	Soil	1.21	0.075	12.2	38.8	0.72	179.9	0.075	2	1.68	0.033	0.06	0.1	3.9	0.11	0.05	39	0.3	<0.02	4.6	0.80
1075197	Soil	0.79	0.047	11.8	181.1	3.87	222.6	0.053	3	1.74	0.021	0.05	<0.1	4.2	0.30	0.03	24	0.4	<0.02	4.1	3.81
1081351	Soil	0.36	0.073	15.0	40.2	0.77	148.0	0.055	1	2.39	0.013	0.05	0.3	3.3	0.14	0.05	29	0.2	0.03	6.6	1.68
1081352	Soil	0.43	0.069	19.5	39.5	0.76	187.8	0.070	2	2.24	0.017	0.05	0.5	3.9	0.15	0.04	37	0.2	0.04	6.3	1.91
1081353	Soil	0.53	0.070	17.2	40.1	0.75	173.4	0.067	2	2.19	0.018	0.05	0.3	3.6	0.14	0.05	27	0.2	0.04	6.2	1.72
1081354	Soil	0.67	0.081	24.0	43.7	0.78	215.8	0.110	1	2.41	0.019	0.08	0.6	5.9	0.20	0.03	61	0.3	<0.02	6.6	2.62
1081355	Soil	0.49	0.060	26.1	51.0	0.81	211.7	0.125	1	2.78	0.015	0.06	0.3	7.1	0.20	0.02	57	0.3	0.05	7.0	2.73
1081356	Soil	0.48	0.058	12.2	39.5	0.76	166.7	0.101	2	2.12	0.017	0.06	0.3	3.6	0.15	0.03	22	0.2	0.03	6.2	1.78
1081357	Soil	0.57	0.091	27.0	43.0	0.75	222.0	0.064	2	2.45	0.021	0.05	0.2	4.4	0.17	0.05	37	0.3	0.07	6.4	1.79
1081358	Soil	0.54	0.058	15.0	35.1	0.73	183.5	0.131	2	1.99	0.024	0.08	0.8	3.5	0.19	0.02	18	0.1	0.04	5.8	1.90
1081359	Soil	0.46	0.066	10.4	35.5	0.59	139.6	0.058	1	1.63	0.029	0.04	0.2	2.7	0.12	0.05	28	0.4	0.03	5.5	1.08
1081360	Soil	0.54	0.062	8.7	26.9	0.41	144.0	0.050	1	1.15	0.025	0.04	0.2	2.2	0.09	0.05	32	0.2	<0.02	4.5	0.89
1081361	Soil	0.58	0.068	20.0	35.6	0.71	173.5	0.086	2	1.94	0.026	0.05	0.4	4.2	0.15	0.04	32	0.2	0.04	5.2	2.03
1081362	Soil	0.64	0.076	21.7	37.5	0.74	195.9	0.087	2	2.05	0.026	0.05	0.5	4.3	0.15	0.04	41	0.3	0.04	5.6	2.21
1081363	Soil	0.38	0.043	12.7	33.3	0.67	145.0	0.077	1	1.78	0.023	0.04	0.2	2.8	0.13	0.03	27	0.2	0.03	5.9	1.44
1081364	Soil	0.46	0.076	18.2	41.3	0.80	194.8	0.069	2	2.19	0.019	0.05	0.3	3.6	0.16	0.05	27	0.2	0.07	6.3	1.69
1081365	Soil	0.61	0.081	16.8	40.9	0.76	213.4	0.067	2	2.17	0.018	0.05	0.2	4.0	0.15	0.05	37	0.2	0.03	6.3	1.64
1081366	Soil	0.57	0.075	18.4	45.2	0.82	186.2	0.065	1	2.42	0.018	0.05	0.2	4.6	0.14	0.04	36	0.1	<0.02	6.6	2.34
1081367	Soil	0.59	0.068	16.1	36.0	0.71	157.8	0.066	1	1.85	0.023	0.05	0.1	3.2	0.12	0.06	34	0.1	0.03	5.6	1.49
1081368	Soil	0.60	0.073	32.6	39.7	0.80	194.9	0.066	1	2.20	0.022	0.04	0.3	4.3	0.15	0.05	32	0.3	0.05	6.4	2.38
1081369	Soil	0.59	0.088	13.9	41.4	0.83	186.9	0.065	2	2.25	0.022	0.05	0.2	3.6	0.14	0.07	25	0.2	0.03	6.3	1.66
1081370	Agi Dagi A Soil	0.03	0.023	7.5	16.3	0.12	54.7	0.009	<1	0.99	<0.001	0.05	0.3	1.6	0.19	<0.02	36	7.8	3.65	4.1	0.85
1081371	Soil	0.67	0.092	15.8	45.2	0.81	203.1	0.064	1	2.42	0.022	0.04	0.1	4.3	0.15	0.07	33	0.4	<0.02	6.4	1.58



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Project: 210800
Report Date: November 30, 2011

Page: 8 of 10 Part 3

CERTIFICATE OF ANALYSIS

WHI11001389.2

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1075189	Soil	<0.1	0.08	1.27	10.8	1.0	<0.05	3.3	7.12	19.5	0.03	2	0.3	12.0	<10	<2	16.5
1075190 Agi Dagi B	Soil	<0.1	0.12	0.45	8.2	0.5	<0.05	7.2	2.49	14.9	0.02	<1	0.2	5.6	<10	<2	10.5
1075191	Soil	<0.1	0.10	1.33	13.4	0.5	<0.05	4.0	8.12	21.0	<0.02	<1	0.3	12.4	<10	<2	15.5
1075192	Soil	<0.1	0.06	1.31	11.0	1.1	<0.05	3.0	10.47	24.7	0.02	1	0.4	13.3	<10	<2	24.0
1075193	Soil	<0.1	0.08	1.35	16.0	1.8	<0.05	4.0	8.90	25.0	0.03	1	0.4	16.8	<10	<2	11.8
1075194	Soil	<0.1	0.04	1.63	11.0	0.8	<0.05	2.4	6.56	21.9	0.03	1	0.4	12.9	<10	<2	22.8
1075195	Soil	<0.1	0.04	1.09	5.8	0.5	<0.05	2.1	5.48	18.5	<0.02	<1	0.2	5.8	<10	<2	22.4
1075196	Soil	<0.1	0.08	1.43	8.1	1.0	<0.05	3.8	9.42	24.1	0.02	1	0.4	12.6	<10	<2	22.5
1075197	Soil	<0.1	0.06	0.98	11.7	0.7	<0.05	3.1	9.29	20.9	<0.02	<1	0.4	11.2	<10	<2	16.8
1081351	Soil	<0.1	0.03	1.00	9.0	0.8	<0.05	1.6	6.97	26.6	0.04	<1	0.5	16.8	<10	<2	15.4
1081352	Soil	<0.1	0.04	1.27	9.8	0.8	<0.05	1.9	8.14	30.6	0.02	<1	0.5	19.3	<10	<2	14.2
1081353	Soil	<0.1	0.04	1.07	10.6	0.7	<0.05	1.7	8.24	28.5	0.02	2	0.5	16.2	<10	2	16.2
1081354	Soil	<0.1	0.11	1.73	19.1	1.4	<0.05	5.0	11.18	39.3	0.03	<1	0.6	19.6	<10	<2	13.6
1081355	Soil	<0.1	0.11	1.72	12.5	2.4	<0.05	5.9	13.98	42.4	0.03	1	0.6	21.1	<10	<2	11.6
1081356	Soil	<0.1	0.05	1.31	11.1	0.8	<0.05	2.6	5.15	26.9	0.03	<1	0.4	15.9	<10	<2	11.6
1081357	Soil	<0.1	0.05	1.18	10.5	0.8	<0.05	2.0	12.45	42.9	0.03	<1	0.5	15.4	<10	<2	17.9
1081358	Soil	<0.1	0.08	2.03	17.5	1.2	<0.05	3.7	6.08	35.4	0.03	<1	0.4	17.1	<10	<2	11.3
1081359	Soil	<0.1	0.03	1.00	6.6	0.7	<0.05	1.7	5.44	20.1	0.03	<1	0.4	10.7	<10	<2	17.4
1081360	Soil	<0.1	0.03	1.04	8.9	1.7	<0.05	2.0	4.62	16.1	0.03	<1	0.3	8.6	<10	<2	19.0
1081361	Soil	<0.1	0.06	1.23	9.8	0.7	<0.05	2.7	9.38	31.2	0.03	<1	0.5	15.3	<10	<2	12.9
1081362	Soil	<0.1	0.05	1.27	12.2	0.8	<0.05	2.9	10.28	31.8	0.03	<1	0.4	16.6	<10	<2	14.0
1081363	Soil	0.1	0.04	1.14	9.4	0.7	<0.05	2.1	5.46	21.9	0.03	<1	0.3	14.5	<10	<2	13.2
1081364	Soil	<0.1	0.04	1.11	10.1	0.8	<0.05	1.7	8.24	27.8	0.03	<1	0.5	19.1	<10	<2	I.S.
1081365	Soil	<0.1	0.05	1.14	10.6	0.8	<0.05	2.1	8.39	27.3	0.04	1	0.5	18.0	<10	<2	16.5
1081366	Soil	<0.1	0.04	0.99	12.4	0.9	<0.05	1.6	9.55	29.1	0.04	<1	0.5	19.2	<10	<2	14.1
1081367	Soil	<0.1	0.04	1.06	11.0	0.6	<0.05	2.1	7.77	21.8	0.02	<1	0.4	14.6	<10	<2	17.2
1081368	Soil	<0.1	0.04	1.18	10.6	0.8	<0.05	1.9	17.32	29.0	0.03	<1	0.6	25.9	<10	<2	16.0
1081369	Soil	<0.1	0.03	1.18	9.5	0.9	<0.05	1.8	7.05	24.0	0.03	2	0.5	20.7	<10	<2	19.5
1081370 Agi Dagi A	Soil	<0.1	<0.02	0.39	8.8	3.1	<0.05	0.7	1.48	15.8	0.07	2	0.3	6.0	<10	7	5.6
1081371	Soil	<0.1	0.05	1.11	9.0	0.8	<0.05	2.3	10.31	28.2	0.04	<1	0.5	23.1	<10	<2	17.7



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Project: 210800

Report Date: November 30, 2011

Page: 9 of 10 Part 1

CERTIFICATE OF ANALYSIS

WHI11001389.2

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1081372	Soil	345.0	1956	2.43	34.58	8.59	60.7	65	33.9	13.9	590	3.34	9.4	4.4	2.0	6.7	37.1	0.19	0.51	0.23
1081373	Soil	226.0	1598	5.40	56.73	13.79	71.5	178	31.3	16.7	317	3.76	10.0	6.6	5.5	6.3	40.1	0.27	0.73	0.45
1081374	Soil	227.0	898.0	4.27	39.19	10.27	58.5	128	28.4	14.0	825	3.15	8.7	3.8	4.7	2.5	40.1	0.31	0.66	0.29
1081375	Soil	166.0	918.0	5.74	27.33	10.64	95.7	103	31.1	14.5	668	3.46	10.0	7.1	2.5	1.1	51.0	0.16	0.63	0.20
1081376	Soil	195.0	1968	3.29	29.35	23.36	83.3	125	33.7	13.5	447	3.39	8.2	4.4	3.4	5.3	38.1	0.40	0.55	0.29
1081377	Soil	196.0	874.0	4.48	37.70	24.64	81.1	303	28.2	14.0	534	3.70	12.7	4.8	3.7	2.7	41.3	0.71	0.69	0.56
1081378	Soil	5077	1670	2.78	25.43	19.92	65.4	202	27.4	11.2	440	2.86	8.0	4.0	7.9	4.2	28.1	0.40	0.58	0.73
1081379	Soil	190.0	1506	2.16	28.53	30.83	76.6	246	32.8	13.7	371	3.22	9.2	2.7	4.2	4.5	32.8	0.37	0.59	0.81
1081380	Soil	235.0	1014	2.47	22.99	12.02	86.7	91	28.1	11.5	367	3.67	12.2	0.9	3.5	1.3	28.7	0.49	0.76	0.28
1081381	Soil	264.0	2212	1.53	21.56	20.88	51.3	215	18.5	9.2	384	2.29	5.0	2.5	4.5	7.3	26.5	0.42	0.62	1.01
1081382	Soil	625.0	1214	1.61	25.10	16.99	60.6	314	21.7	8.2	205	2.33	6.6	4.3	4.4	4.4	28.1	0.30	0.61	0.70
1081383	Soil	390.0	984.0	2.03	29.31	13.62	67.6	214	26.0	12.1	525	2.68	8.7	2.6	11.9	3.3	38.5	0.30	0.55	0.54
1081384	Soil	647.0	1488	0.69	43.40	6.94	62.1	64	41.5	14.3	267	3.06	9.4	0.8	3.4	2.1	26.2	0.16	0.53	0.11
1081385	Soil	458.0	886.0	1.19	21.96	6.10	44.2	103	23.8	9.4	256	2.48	7.7	0.5	2.4	1.4	28.4	0.16	0.50	0.10
1081386	Soil	229.0	1854	1.13	27.91	8.57	71.7	74	41.8	16.2	568	3.15	17.5	0.7	2.9	1.9	37.9	0.15	0.51	0.12
1081387	Soil	128.0	1598	1.99	41.14	10.38	82.3	129	51.0	18.2	951	4.20	61.6	1.3	3.7	4.6	35.2	0.24	0.91	0.16
1081388	Soil	557.0	1178	1.38	39.89	6.92	63.6	80	37.0	15.0	282	3.10	9.0	1.2	5.3	2.0	32.8	0.16	0.55	0.11
1081389	Soil	78.00	388.0	0.99	35.05	6.00	67.2	128	40.2	13.0	496	2.37	6.9	0.8	2.4	0.8	48.8	0.22	0.48	0.08
1081390 Agi Dagi B	Soil	N.A.	N.A.	2.47	7.93	22.60	15.7	14	10.4	2.9	81	3.38	58.6	0.6	75.6	3.6	29.1	0.02	0.81	1.40
1081391	Soil	305.0	596.0	1.55	19.35	8.02	49.3	119	16.8	8.0	207	2.53	44.5	0.5	3.1	1.1	24.1	0.21	0.53	0.13
1081392	Soil	78.00	520.0	1.76	22.03	26.71	81.6	1057	12.8	6.3	294	2.37	68.2	2.7	3.4	2.1	28.0	1.18	0.57	0.27
1081393	Soil	189.0	552.0	1.58	35.33	9.97	144.3	214	27.0	10.0	701	2.74	42.0	0.9	2.6	1.1	19.6	2.21	0.58	0.15
1081394	Soil	112.0	420.0	1.65	30.87	5.95	56.2	150	18.1	6.6	157	2.52	17.1	1.0	2.6	0.8	16.7	1.16	0.54	0.18
1081395	Soil	271.0	600.0	1.71	26.05	5.74	86.1	81	20.2	8.5	278	2.39	6.1	0.6	2.6	1.0	21.3	2.21	0.61	0.15
1081396	Soil	298.0	620.0	1.74	26.32	5.16	43.2	44	20.7	8.6	158	2.53	7.2	0.4	2.3	1.3	17.9	5.46	0.54	0.12
1081397	Soil	112.0	328.0	1.54	32.48	4.21	32.5	101	14.7	4.5	80	1.63	4.9	1.5	2.8	0.2	17.8	1.22	0.44	0.10
1081398	Soil	112.0	344.0	1.33	17.48	4.20	34.7	53	13.8	5.5	125	2.10	5.9	0.4	5.0	0.8	17.3	0.45	0.51	0.13
1081399	Soil	97.00	298.0	1.14	32.12	4.68	52.7	121	16.5	6.2	142	1.96	10.2	0.8	1.4	0.4	32.3	1.75	0.40	0.11
1081400	Soil	64.00	560.0	1.60	21.47	6.07	42.3	65	19.6	7.3	176	2.60	9.0	0.4	2.0	0.7	19.4	0.25	0.52	0.10
1081401	Soil	119.0	598.0	1.24	33.45	5.34	52.3	108	23.8	11.8	382	2.60	26.8	0.8	11.2	1.3	35.6	0.22	0.63	0.10



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Project: 210800
Report Date: November 30, 2011

Page: 9 of 10 Part 2

CERTIFICATE OF ANALYSIS

WHI11001389.2

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1081372	Soil	0.49	0.053	13.8	41.3	0.77	163.3	0.109	1	2.05	0.023	0.06	0.8	4.2	0.12	<0.02	16	0.2	<0.02	5.4	1.50
1081373	Soil	0.52	0.077	25.7	43.4	0.80	176.9	0.095	2	2.32	0.025	0.06	0.3	5.7	0.16	0.02	38	0.3	0.05	6.5	1.86
1081374	Soil	0.61	0.093	23.0	37.3	0.67	174.4	0.063	2	2.02	0.026	0.05	0.4	3.8	0.12	0.06	47	0.3	0.04	5.9	1.55
1081375	Soil	0.72	0.111	14.1	45.2	0.86	200.4	0.046	1	2.30	0.024	0.04	0.1	3.3	0.15	0.08	30	0.3	0.03	6.6	1.81
1081376	Soil	0.51	0.078	15.4	45.4	0.83	193.2	0.088	2	2.45	0.019	0.05	0.3	4.8	0.16	0.03	43	0.3	0.05	6.8	2.11
1081377	Soil	0.69	0.088	20.2	37.3	0.67	151.5	0.058	2	1.91	0.027	0.05	0.2	4.0	0.11	0.07	42	0.3	0.05	5.4	1.82
1081378	Soil	0.45	0.073	16.4	40.1	0.73	143.0	0.069	2	2.22	0.017	0.05	0.4	4.5	0.13	0.04	44	0.2	0.05	6.2	1.90
1081379	Soil	0.54	0.060	14.6	39.9	0.79	170.8	0.089	1	2.22	0.021	0.06	0.4	4.2	0.14	0.05	53	0.3	0.05	6.4	2.06
1081380	Soil	0.54	0.042	9.1	36.8	0.65	119.6	0.067	2	1.84	0.015	0.04	0.2	2.8	0.08	0.04	34	0.3	<0.02	6.8	1.23
1081381	Soil	0.47	0.071	17.1	28.9	0.55	125.7	0.124	1	1.50	0.025	0.07	1.4	3.3	0.15	0.02	39	<0.1	0.03	4.8	1.60
1081382	Soil	0.46	0.084	22.6	34.2	0.64	145.2	0.076	2	1.92	0.024	0.06	1.0	4.2	0.13	0.07	56	0.3	<0.02	5.4	1.51
1081383	Soil	0.75	0.082	18.3	34.1	0.66	163.2	0.080	<1	1.64	0.033	0.06	0.4	4.0	0.12	0.06	44	0.4	0.03	5.2	1.25
1081384	Soil	0.47	0.063	11.2	41.7	0.80	195.8	0.121	2	2.43	0.025	0.05	<0.1	4.9	0.10	0.02	44	0.4	<0.02	6.4	0.94
1081385	Soil	0.50	0.042	7.6	30.7	0.47	124.8	0.083	1	1.47	0.027	0.04	0.1	2.8	0.06	<0.02	21	0.3	<0.02	5.4	0.70
1081386	Soil	0.99	0.052	9.8	42.7	0.77	147.6	0.089	<1	1.91	0.034	0.08	0.1	4.4	0.10	0.04	29	0.4	0.04	5.7	1.10
1081387	Soil	0.82	0.083	20.1	54.2	0.98	188.3	0.074	2	2.02	0.025	0.09	0.2	4.8	0.11	0.03	24	0.6	0.03	5.7	1.44
1081388	Soil	0.72	0.063	12.6	42.6	0.77	169.4	0.101	1	2.10	0.032	0.06	0.1	5.2	0.09	0.04	42	0.4	0.03	6.1	0.91
1081389	Soil	1.51	0.076	10.0	36.6	0.67	165.8	0.068	3	1.62	0.034	0.06	<0.1	3.9	0.08	0.08	39	0.5	0.02	4.4	0.77
1081390 Agi Dagi B	Soil	0.04	0.019	7.7	19.4	0.13	63.6	0.022	2	1.08	0.002	0.07	0.1	2.2	0.09	0.03	26	2.4	0.31	7.5	0.78
1081391	Soil	0.35	0.028	5.4	27.6	0.44	79.1	0.081	2	1.11	0.035	0.04	0.1	2.2	0.05	0.03	23	0.4	0.02	5.8	1.32
1081392	Soil	0.35	0.062	10.7	26.9	0.36	76.9	0.053	<1	1.34	0.024	0.03	0.1	2.4	0.11	0.05	42	0.3	0.02	5.5	2.87
1081393	Soil	0.29	0.043	6.8	32.0	0.42	50.7	0.066	1	1.29	0.035	0.05	<0.1	2.7	0.08	0.02	20	0.2	<0.02	5.6	1.47
1081394	Soil	0.24	0.046	6.5	29.1	0.22	38.9	0.063	<1	1.19	0.019	0.04	0.2	2.2	0.07	0.05	50	0.5	0.03	5.3	1.16
1081395	Soil	0.29	0.030	8.0	26.4	0.33	57.9	0.063	<1	1.40	0.034	0.03	0.1	2.3	0.07	0.03	43	0.3	0.03	5.5	0.62
1081396	Soil	0.30	0.027	6.2	28.0	0.36	59.4	0.068	<1	1.38	0.029	0.04	<0.1	2.8	0.06	<0.02	19	0.2	0.04	4.8	0.62
1081397	Soil	0.26	0.060	11.1	21.7	0.20	65.0	0.035	<1	0.82	0.020	0.04	<0.1	1.8	0.05	0.07	36	0.3	<0.02	2.9	0.46
1081398	Soil	0.25	0.030	5.7	21.5	0.26	36.7	0.052	<1	1.03	0.024	0.03	0.4	2.1	0.04	0.03	36	0.3	0.04	3.9	0.45
1081399	Soil	0.65	0.068	8.2	25.2	0.34	113.6	0.041	2	1.18	0.028	0.04	<0.1	2.4	0.07	0.08	35	0.5	<0.02	3.6	0.56
1081400	Soil	0.29	0.034	5.5	27.8	0.38	73.4	0.068	1	1.27	0.020	0.04	<0.1	2.4	0.05	0.03	19	0.3	0.03	5.5	0.70
1081401	Soil	0.45	0.059	9.5	25.4	0.50	94.7	0.068	2	1.47	0.027	0.10	0.2	2.9	0.08	0.08	30	0.4	<0.02	4.2	1.56



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Project: 210800

Report Date: November 30, 2011

Page: 9 of 10 Part 3

CERTIFICATE OF ANALYSIS

WHI11001389.2

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1081372	Soil	<0.1	0.09	0.99	9.2	0.9	<0.05	4.5	5.98	27.6	0.03	<1	0.4	14.4	<10	<2	8.4
1081373	Soil	<0.1	0.07	1.39	11.6	1.0	<0.05	4.4	12.24	42.4	0.03	1	0.5	15.7	<10	<2	11.2
1081374	Soil	<0.1	0.06	1.18	9.5	0.9	<0.05	2.3	8.63	33.4	0.04	<1	0.4	13.4	<10	<2	19.7
1081375	Soil	<0.1	0.03	0.83	8.7	1.2	<0.05	1.4	8.18	24.5	0.04	<1	0.5	19.0	<10	<2	19.7
1081376	Soil	<0.1	0.05	1.05	11.3	1.1	<0.05	2.0	6.81	28.0	0.03	<1	0.5	16.7	<10	<2	10.8
1081377	Soil	<0.1	0.04	1.12	10.9	1.0	<0.05	2.4	9.62	31.0	0.02	<1	0.5	13.0	<10	<2	22.6
1081378	Soil	<0.1	0.04	1.24	10.1	0.9	<0.05	2.7	7.49	29.1	0.04	2	0.5	14.4	<10	<2	14.5
1081379	Soil	<0.1	0.08	1.68	11.0	1.0	<0.05	4.3	6.74	27.9	0.04	<1	0.2	13.6	<10	<2	15.4
1081380	Soil	<0.1	0.03	1.26	6.9	0.7	<0.05	2.3	4.47	18.7	0.03	1	<0.1	13.4	<10	<2	16.0
1081381	Soil	<0.1	0.07	1.49	12.5	0.8	<0.05	4.2	7.59	31.6	<0.02	<1	0.2	9.7	<10	<2	8.5
1081382	Soil	<0.1	0.06	1.56	9.7	0.7	<0.05	3.3	8.98	41.0	0.02	<1	0.3	13.5	<10	<2	17.5
1081383	Soil	<0.1	0.06	1.66	10.9	0.8	<0.05	3.5	8.52	32.8	<0.02	<1	0.2	9.7	<10	<2	19.3
1081384	Soil	<0.1	0.11	1.57	7.4	0.7	<0.05	6.6	7.44	23.2	<0.02	<1	0.5	13.4	<10	2	12.0
1081385	Soil	<0.1	0.05	1.33	6.5	0.7	<0.05	3.3	4.00	16.9	<0.02	<1	0.1	8.6	<10	<2	13.4
1081386	Soil	<0.1	0.05	1.59	12.4	1.5	<0.05	3.7	6.34	22.5	0.02	<1	0.3	16.4	<10	<2	17.9
1081387	Soil	<0.1	0.04	1.07	12.2	1.0	<0.05	2.4	7.30	42.1	0.02	<1	0.7	17.3	<10	<2	14.5
1081388	Soil	<0.1	0.11	1.65	9.8	0.9	<0.05	5.9	9.55	26.8	0.03	<1	0.3	10.9	<10	<2	14.6
1081389	Soil	<0.1	0.07	1.38	8.9	1.9	<0.05	3.7	8.60	20.1	<0.02	<1	0.7	11.0	<10	<2	31.6
1081390 Agi Dagi B	Soil	<0.1	0.14	0.50	9.4	0.5	<0.05	7.7	2.32	16.0	0.02	<1	0.4	5.1	<10	<2	10.6
1081391	Soil	<0.1	0.06	1.16	7.3	0.6	<0.05	3.0	2.90	11.5	<0.02	<1	0.1	7.9	<10	<2	12.9
1081392	Soil	<0.1	0.05	1.56	5.1	1.2	<0.05	1.8	8.78	21.7	<0.02	<1	0.5	10.4	<10	<2	20.6
1081393	Soil	<0.1	0.04	1.13	5.6	0.9	<0.05	1.9	3.80	15.8	<0.02	<1	0.5	8.3	<10	<2	14.0
1081394	Soil	<0.1	0.03	1.33	4.4	0.9	<0.05	2.3	2.88	13.7	<0.02	<1	0.3	3.7	<10	<2	24.0
1081395	Soil	<0.1	0.04	1.25	4.3	0.6	<0.05	2.2	4.41	17.9	0.03	<1	0.3	4.4	<10	<2	I.S.
1081396	Soil	<0.1	0.07	1.19	5.2	0.6	<0.05	3.9	3.46	14.8	<0.02	<1	0.5	5.5	<10	<2	10.5
1081397	Soil	<0.1	0.03	0.81	2.9	0.6	<0.05	1.3	4.06	20.1	<0.02	<1	0.5	3.0	<10	<2	19.7
1081398	Soil	<0.1	0.03	0.86	3.1	0.5	<0.05	2.1	3.19	12.1	<0.02	2	0.3	4.2	<10	<2	35.2
1081399	Soil	<0.1	0.04	0.89	3.9	0.7	<0.05	2.0	4.31	17.0	<0.02	<1	0.3	5.3	<10	<2	31.4
1081400	Soil	<0.1	0.04	1.25	5.2	0.9	<0.05	2.4	2.51	12.2	<0.02	<1	0.2	8.7	<10	<2	17.7
1081401	Soil	<0.1	0.02	1.09	10.5	0.7	<0.05	1.8	6.11	20.8	<0.02	<1	0.5	9.1	<10	<2	22.2



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Project: 210800
Report Date: November 30, 2011

Page: 10 of 10 Part 1

CERTIFICATE OF ANALYSIS

WHI11001389.2

Method Analyte Unit MDL		SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1081402	Soil	108.0	630.0	1.38	33.03	6.09	54.5	117	22.4	14.0	460	2.79	26.5	0.7	7.4	1.5	34.9	0.17	0.60	0.12
1081403	Soil	178.0	518.0	1.58	31.79	7.47	63.1	160	30.0	14.1	460	3.11	34.1	0.9	8.6	1.1	30.3	0.26	0.52	0.14
1076379	Soil	338.0	2670	0.95	46.01	6.68	61.3	110	46.0	17.8	447	3.31	13.8	0.8	7.7	2.4	31.1	0.11	0.41	0.11
1076380	Soil	340.0	712.0	1.70	26.85	7.49	64.5	128	23.4	16.2	697	3.22	24.5	1.3	10.6	1.8	54.4	0.16	0.52	0.22
1076381	Soil	248.0	862.0	1.29	21.70	5.66	46.9	103	13.5	8.5	319	2.20	10.5	1.7	4.4	0.8	38.9	0.15	0.48	0.13
1076382	Soil	158.0	572.0	1.07	26.92	5.49	49.2	109	15.7	12.2	451	2.61	12.7	2.8	6.9	1.6	55.5	0.18	0.50	0.13
1076383	Soil	445.0	890.0	1.76	43.52	6.66	65.6	154	29.9	16.7	646	2.96	27.0	2.2	17.2	1.7	54.9	0.25	0.64	0.22
1076384	Soil	558.0	892.0	1.65	54.32	7.20	65.0	153	31.9	18.2	533	3.32	21.9	1.3	12.7	1.8	46.6	0.24	0.53	0.20
1076385	Soil	204.0	672.0	1.18	41.67	5.35	40.0	81	24.8	11.8	271	2.43	15.5	0.8	10.3	0.9	33.9	0.10	0.43	0.16
1076386	Soil	504.0	1444	1.03	101.4	9.37	70.2	129	34.5	17.9	399	3.36	24.9	0.7	6.9	3.6	33.3	0.20	0.44	0.73
1076387	Soil	32.0000	750.0	1.07	49.68	7.66	77.9	105	37.2	18.3	577	3.28	16.4	0.9	5.8	2.0	36.0	0.28	0.38	0.13
1076388	Soil	572.0	886.0	1.40	38.41	7.42	70.9	138	29.7	11.9	517	2.91	10.9	4.9	2.6	2.3	51.2	0.27	0.47	0.10
1076389	Soil	532.0	2284	1.09	31.33	7.47	67.9	107	36.0	14.0	458	2.90	9.3	2.7	4.9	4.6	41.6	0.20	0.38	0.22
1076390 Agi Dagi B	Soil	N.A.	N.A.	2.49	7.55	23.33	16.8	8	9.8	3.0	81	3.43	54.4	0.8	93.5	4.2	27.9	0.03	0.82	1.52
1076391	Soil	471.0	1924	3.63	27.97	9.68	82.7	176	26.0	13.8	649	3.15	9.0	6.4	4.0	6.8	58.7	0.28	0.39	0.18
1076392	Soil	271.0	646.0	1.68	19.56	5.01	29.9	27	15.8	4.9	105	1.89	5.3	0.7	2.8	0.8	22.7	0.06	0.51	0.15
1076393	Soil	202.0	780.0	4.09	22.66	12.71	57.6	504	16.2	9.3	267	3.02	9.7	1.4	4.3	8.5	43.2	0.26	0.38	0.26
1076394	Soil	208.0	710.0	2.26	21.49	10.43	75.8	198	14.8	11.2	375	2.56	15.3	2.5	4.3	6.3	56.4	0.53	0.38	0.17
1076395	Soil	210.0	368.0	2.05	38.49	7.22	85.8	337	21.1	12.7	436	2.89	13.2	7.3	4.2	8.9	59.2	0.96	0.37	0.19
1076396	Soil	346.0	1380	5.91	24.30	7.17	66.1	217	16.2	9.8	333	2.92	14.1	2.6	3.9	6.2	57.3	0.18	0.42	0.18
1076397	Soil	318.0	490.0	2.97	38.60	7.32	89.2	226	17.9	9.9	334	2.40	13.2	2.1	3.3	1.5	31.4	0.55	0.46	0.29
1076398	Soil	438.0	600.0	5.09	76.42	10.34	191.0	320	22.0	14.0	554	3.34	28.0	9.6	4.6	8.6	54.7	2.96	0.52	0.30
1076399	Soil	358.0	502.0	10.68	54.15	8.81	98.1	232	19.9	11.1	444	2.95	13.5	4.4	2.9	3.4	31.9	0.93	0.52	0.28
1076400	Soil	214.0	1132	7.50	35.31	7.75	65.1	127	16.1	10.9	406	2.65	11.7	1.8	3.3	3.6	29.5	0.29	0.40	0.21
1081501	Soil	272.0	516.0	9.70	60.38	6.99	71.2	223	20.5	11.5	473	2.56	18.2	4.5	3.7	3.0	42.4	0.36	0.50	0.27
1081502	Soil	174.0	426.0	9.71	67.54	6.26	57.0	251	17.8	10.3	474	2.30	15.3	5.8	3.8	2.1	42.5	0.28	0.51	0.23
1081503	Soil	224.0	554.0	14.92	27.38	7.73	72.8	143	19.7	13.1	683	2.49	8.7	3.3	2.5	2.3	35.9	0.25	0.40	0.23
1075198	Soil	660.0	1226	2.93	18.29	7.72	51.3	92	21.8	14.2	830	2.92	7.4	1.1	4.4	0.7	28.7	0.11	0.45	0.17
1075199	Soil	570.0	1148	3.80	20.13	9.48	82.2	95	24.5	11.4	522	3.30	8.9	1.4	2.6	0.8	32.6	0.21	0.47	0.16
1075200	Soil	596.0	1158	5.09	21.31	20.68	80.4	103	28.3	13.5	634	3.69	11.0	2.1	2.8	1.0	30.6	0.22	0.50	0.20



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Report Date: November 30, 2011

Page: 10 of 10 **Part** 2

CERTIFICATE OF ANALYSIS

WHI11001389.2

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1081402	Soil	0.48	0.052	9.0	25.8	0.49	103.1	0.073	2	1.53	0.029	0.08	<0.1	2.9	0.08	0.05	24	0.3	0.04	5.2	1.43
1081403	Soil	0.46	0.069	7.7	34.8	0.62	107.2	0.067	<1	2.05	0.022	0.06	<0.1	3.3	0.09	0.07	36	0.4	<0.02	6.6	1.73
1076379	Soil	0.55	0.065	11.4	48.4	0.90	184.6	0.128	1	2.71	0.026	0.09	0.1	5.3	0.13	0.02	26	0.2	<0.02	6.8	1.29
1076380	Soil	0.94	0.066	9.2	34.0	0.76	158.5	0.091	1	2.06	0.033	0.07	0.1	5.2	0.10	0.06	41	0.5	0.04	6.1	1.79
1076381	Soil	0.74	0.076	7.1	25.3	0.46	103.2	0.060	2	1.24	0.028	0.06	0.1	3.1	0.07	0.06	36	0.5	0.05	5.1	1.43
1076382	Soil	0.91	0.066	8.7	27.1	0.60	138.2	0.084	<1	1.62	0.030	0.10	0.1	4.6	0.10	0.05	32	0.4	<0.02	5.2	1.76
1076383	Soil	0.89	0.067	9.2	36.6	0.73	153.3	0.096	1	2.00	0.028	0.09	0.2	4.7	0.10	0.06	30	0.4	0.05	6.0	1.87
1076384	Soil	0.84	0.070	10.5	39.7	0.83	143.1	0.086	2	2.29	0.034	0.09	0.2	4.6	0.12	0.08	35	0.6	0.05	6.8	2.11
1076385	Soil	0.60	0.072	8.6	34.8	0.58	94.4	0.066	2	1.68	0.028	0.05	0.1	3.3	0.11	0.09	40	0.5	0.04	6.1	1.76
1076386	Soil	0.61	0.049	11.2	46.6	1.37	101.6	0.105	1	2.70	0.050	0.23	0.1	5.2	0.17	0.06	21	0.7	0.07	9.0	2.83
1076387	Soil	0.87	0.066	10.6	52.9	1.13	94.4	0.110	2	2.71	0.053	0.18	0.1	5.7	0.20	0.07	32	0.6	<0.02	9.3	2.01
1076388	Soil	1.02	0.077	11.0	38.2	0.66	173.7	0.081	2	1.98	0.032	0.09	0.1	4.9	0.11	0.05	41	0.4	<0.02	5.6	1.60
1076389	Soil	0.78	0.088	11.5	44.0	0.89	179.9	0.133	2	1.93	0.037	0.13	0.2	4.4	0.22	0.02	27	0.3	<0.02	6.1	2.03
1076390 Agi Dagi B	Soil	0.04	0.017	7.7	18.6	0.12	61.2	0.020	<1	0.96	<0.001	0.06	0.1	2.0	0.10	0.03	28	2.3	0.36	7.9	0.80
1076391	Soil	0.96	0.083	13.5	39.9	0.75	206.9	0.114	2	2.31	0.024	0.15	0.2	4.5	0.24	0.05	38	0.4	0.02	7.1	2.59
1076392	Soil	0.36	0.032	6.6	22.8	0.23	50.1	0.044	1	0.88	0.021	0.03	0.1	2.0	0.07	0.04	40	0.4	<0.02	3.9	0.56
1076393	Soil	0.61	0.043	9.1	33.8	0.66	144.1	0.161	1	2.02	0.026	0.13	0.5	3.2	0.25	0.04	40	0.4	0.05	7.2	2.98
1076394	Soil	0.91	0.053	9.1	30.5	0.67	161.2	0.138	1	1.96	0.022	0.17	0.5	3.3	0.28	0.05	55	0.2	0.03	6.7	3.36
1076395	Soil	0.99	0.066	16.5	35.7	0.75	235.1	0.146	2	2.25	0.026	0.23	0.4	3.7	0.34	0.06	43	0.3	0.03	7.0	3.56
1076396	Soil	0.88	0.048	9.3	32.7	0.70	186.2	0.147	2	2.18	0.022	0.14	1.0	3.5	0.28	0.04	47	0.3	0.03	7.7	4.15
1076397	Soil	0.57	0.069	7.2	30.2	0.39	96.0	0.062	2	1.24	0.022	0.05	0.4	2.5	0.14	0.06	50	0.3	0.06	6.1	2.16
1076398	Soil	0.90	0.075	15.3	36.2	0.80	224.1	0.142	2	2.18	0.031	0.22	1.1	3.9	0.38	0.06	85	0.2	<0.02	7.4	3.91
1076399	Soil	0.42	0.063	11.2	32.1	0.52	127.4	0.091	2	1.72	0.028	0.07	1.1	3.2	0.21	0.06	63	0.3	0.05	6.5	2.36
1076400	Soil	0.38	0.045	7.6	29.9	0.52	110.3	0.100	1	1.51	0.026	0.08	0.9	2.8	0.18	0.04	36	0.3	0.06	6.1	2.01
1081501	Soil	0.72	0.061	11.7	33.3	0.59	142.0	0.087	2	1.66	0.029	0.08	1.0	3.3	0.17	0.06	60	0.3	0.05	6.2	2.35
1081502	Soil	0.79	0.065	15.6	28.4	0.47	152.3	0.069	2	1.47	0.028	0.07	0.7	3.0	0.15	0.06	46	0.3	0.02	5.0	1.86
1081503	Soil	0.63	0.070	11.0	31.9	0.56	160.0	0.081	2	1.57	0.026	0.06	0.4	3.4	0.16	0.06	51	0.2	<0.02	5.7	2.01
1075198	Soil	0.40	0.056	10.1	33.4	0.59	136.3	0.051	1	1.69	0.024	0.04	0.1	2.4	0.13	0.05	28	0.3	0.02	5.7	1.49
1075199	Soil	0.49	0.060	8.6	38.0	0.73	145.8	0.049	1	1.77	0.016	0.04	0.1	2.4	0.11	0.05	25	0.2	0.03	6.9	1.53
1075200	Soil	0.43	0.086	10.6	41.1	0.82	147.5	0.049	2	2.33	0.010	0.04	0.1	2.9	0.14	0.05	44	0.2	0.03	7.3	1.64



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Project: 210800

Report Date: November 30, 2011

Page: 10 of 10 Part 3

CERTIFICATE OF ANALYSIS

WHI11001389.2

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
1081402	Soil	<0.1	<0.02	1.09	10.5	0.5	<0.05	1.9	5.42	20.4	<0.02	<1	0.4	11.1	<10	<2	17.0
1081403	Soil	<0.1	0.03	1.42	8.6	0.7	<0.05	2.1	4.99	17.5	<0.02	<1	0.5	13.3	<10	<2	22.9
1076379	Soil	<0.1	0.08	1.34	12.0	0.6	<0.05	5.0	7.32	26.8	0.03	<1	0.4	13.7	<10	<2	10.9
1076380	Soil	<0.1	0.04	1.57	9.5	0.6	<0.05	2.9	7.72	20.3	0.02	<1	0.1	13.9	<10	<2	22.5
1076381	Soil	<0.1	0.04	1.19	8.3	0.5	<0.05	1.7	4.81	14.9	<0.02	<1	0.2	6.5	<10	<2	23.1
1076382	Soil	<0.1	0.03	1.31	10.7	0.6	<0.05	2.2	8.23	17.4	<0.02	<1	0.5	10.7	<10	<2	23.0
1076383	Soil	<0.1	0.03	1.55	10.7	0.5	<0.05	2.4	8.10	20.0	0.02	<1	0.5	14.8	<10	<2	21.8
1076384	Soil	<0.1	0.03	2.15	13.7	0.7	<0.05	2.5	8.23	22.3	0.03	<1	0.5	15.4	<10	<2	23.9
1076385	Soil	<0.1	0.04	1.83	9.0	0.6	<0.05	2.2	4.72	18.3	<0.02	<1	0.3	8.7	<10	<2	33.5
1076386	Soil	<0.1	0.02	2.02	24.4	1.8	<0.05	2.0	4.59	25.8	0.03	<1	1.0	25.5	<10	<2	17.9
1076387	Soil	<0.1	0.04	2.93	26.4	0.9	<0.05	2.9	5.92	23.5	0.03	<1	0.5	17.0	<10	<2	26.3
1076388	Soil	<0.1	0.06	1.65	13.0	0.9	<0.05	3.8	9.24	23.9	<0.02	<1	0.4	13.7	<10	2	23.9
1076389	Soil	<0.1	0.11	1.47	23.0	2.0	<0.05	4.3	8.15	23.2	0.04	<1	0.4	16.0	<10	<2	9.8
1076390 Agi Dagi B	Soil	<0.1	0.11	0.62	9.3	0.5	<0.05	7.3	2.50	16.3	<0.02	<1	0.2	5.8	<10	<2	10.4
1076391	Soil	<0.1	0.08	2.08	22.9	1.4	<0.05	3.6	8.00	26.5	0.02	<1	0.6	19.5	<10	<2	19.1
1076392	Soil	<0.1	0.05	0.88	4.1	1.0	<0.05	2.0	3.42	13.2	<0.02	<1	0.2	3.9	<10	<2	20.7
1076393	Soil	<0.1	0.08	2.88	26.9	2.3	<0.05	3.3	3.71	17.8	<0.02	<1	0.3	13.0	<10	<2	20.6
1076394	Soil	<0.1	0.05	2.52	20.8	1.3	<0.05	2.6	4.40	17.4	<0.02	<1	0.6	14.8	<10	<2	23.5
1076395	Soil	<0.1	0.06	2.83	33.3	2.0	<0.05	3.6	7.27	28.1	0.02	<1	0.9	17.1	<10	<2	29.5
1076396	Soil	<0.1	0.07	2.51	20.1	1.1	<0.05	3.1	4.46	17.3	0.02	<1	1.1	16.5	<10	<2	22.8
1076397	Soil	<0.1	0.04	1.20	9.7	0.7	<0.05	2.2	3.82	14.9	0.04	<1	0.4	8.8	<10	<2	25.6
1076398	Soil	<0.1	0.07	2.36	34.3	1.3	<0.05	3.3	8.07	28.3	0.03	1	2.1	20.2	<10	<2	22.5
1076399	Soil	<0.1	0.05	1.77	13.0	1.2	<0.05	2.9	5.83	21.6	0.04	<1	1.0	12.9	<10	<2	24.0
1076400	Soil	<0.1	0.05	1.50	13.8	2.0	<0.05	2.8	3.76	15.1	0.02	<1	0.4	13.4	<10	<2	19.3
1081501	Soil	<0.1	0.07	1.63	13.5	1.4	<0.05	3.3	6.38	21.7	0.02	3	0.7	14.8	<10	<2	24.3
1081502	Soil	<0.1	0.05	1.28	11.8	1.0	<0.05	3.0	8.59	27.1	0.02	<1	0.7	10.7	<10	<2	28.5
1081503	Soil	<0.1	0.06	1.33	15.5	2.5	<0.05	2.6	6.10	21.4	0.02	<1	0.5	13.5	<10	<2	25.5
1075198	Soil	<0.1	0.03	0.77	8.6	0.6	<0.05	1.3	5.34	19.8	0.02	<1	0.3	10.8	<10	<2	16.3
1075199	Soil	<0.1	<0.02	0.84	10.9	1.3	<0.05	1.2	4.24	16.6	0.02	<1	0.3	14.7	<10	<2	15.0
1075200	Soil	<0.1	0.03	0.80	10.6	0.7	<0.05	1.3	5.34	21.5	0.04	<1	0.5	15.8	<10	<2	15.4



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Project: 210800

Report Date: November 30, 2011

Page: 1 of 3 Part 1

QUALITY CONTROL REPORT

WHI11001389.2

	Method Analyte Unit MDL	SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0	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
Pulp Duplicates																					
1081002	Soil	260.0	1406	0.95	41.98	6.53	70.3	110	37.6	14.2	517	2.91	6.6	0.9	2.9	2.3	42.1	0.22	0.44	0.12	77
REP 1081002	QC			0.93	42.10	6.52	69.0	105	38.5	14.3	526	2.89	6.6	0.8	3.5	2.4	41.3	0.25	0.46	0.10	76
1081011	Soil	197.0	1844	2.25	36.08	13.96	74.7	163	30.2	12.5	488	3.43	11.7	4.8	2.9	5.8	34.6	0.23	0.69	0.77	82
REP 1081011	QC																				
1081029	Soil	531.0	1277	2.53	31.51	28.93	65.4	145	27.8	12.2	490	3.01	6.2	2.4	5.1	6.3	31.6	0.82	0.42	0.73	82
REP 1081029	QC			2.59	32.10	31.74	68.5	140	28.3	12.6	493	3.04	6.2	2.5	7.8	6.3	31.9	0.86	0.44	0.75	81
1081039	Soil	280.0	1590	1.10	40.89	25.92	66.7	358	24.6	12.0	232	3.18	7.0	4.6	8.8	10.2	30.4	0.41	1.90	1.95	77
REP 1081039	QC			1.15	41.52	26.79	68.9	367	26.6	12.2	248	3.17	7.0	4.8	11.9	10.7	31.3	0.41	1.92	2.02	77
1081062	Soil	284.0	1184	3.42	28.89	29.49	79.1	433	32.2	15.4	781	3.57	8.4	3.7	6.2	4.9	45.9	0.85	0.67	1.10	86
REP 1081062	QC																				
1081067	Soil	349.0	1492	1.70	49.73	17.90	64.0	348	26.7	14.2	531	3.84	12.1	3.8	3.4	7.1	33.1	0.38	1.33	1.18	77
REP 1081067	QC			1.52	46.71	16.88	61.7	323	25.3	13.7	475	3.73	11.2	3.6	2.6	6.7	31.6	0.37	1.27	1.16	76
1081077	Soil	306.0	612.0	2.02	27.96	9.92	77.5	142	27.1	17.1	688	3.29	12.4	1.3	4.1	0.9	34.1	0.22	0.68	0.37	72
REP 1081077	QC			2.03	27.63	10.19	75.8	148	27.2	16.7	689	3.28	12.2	1.2	1.4	1.0	32.9	0.21	0.66	0.40	73
1081098	Soil	344.0	604.0	1.56	41.24	7.10	61.6	199	30.8	17.4	506	2.80	8.8	0.9	2.9	0.8	37.2	0.27	0.65	0.12	78
REP 1081098	QC			1.58	40.18	6.86	57.9	185	29.8	17.7	502	2.80	8.4	0.9	3.4	0.8	34.9	0.26	0.64	0.11	78
1081108	Soil	234.0	818.0	1.39	37.07	7.39	47.8	120	32.6	11.9	295	3.00	42.6	0.8	6.5	1.3	32.8	0.11	0.63	0.29	75
REP 1081108	QC																				
1081111	Soil	208.0	904.0	2.03	29.83	8.22	81.0	149	33.7	15.4	690	3.49	12.5	1.4	4.5	3.1	39.4	0.18	0.58	0.20	87
REP 1081111	QC			1.99	31.61	8.48	83.4	151	34.2	15.2	685	3.43	12.8	1.4	3.3	3.2	40.7	0.18	0.57	0.19	85
1081133	Soil	398.0	966.0	1.68	27.36	9.41	65.4	52	31.3	14.4	638	3.32	10.0	0.8	3.2	2.1	36.3	0.25	0.57	0.24	88
REP 1081133	QC			1.71	26.58	8.96	64.9	57	31.5	15.0	648	3.31	10.2	0.9	6.8	2.0	37.2	0.29	0.56	0.24	88
1081135	Soil	370.0	556.0	1.68	30.86	7.19	59.1	125	25.1	12.9	719	2.78	19.6	1.8	4.0	1.1	46.2	0.13	0.64	0.19	63
REP 1081135	QC																				
1075746	Soil	302.0	1490	0.99	45.24	7.43	56.2	101	37.4	14.2	371	3.10	8.6	1.1	1.8	2.3	34.3	0.11	0.52	0.14	77
REP 1075746	QC			1.02	47.63	7.39	57.6	98	38.9	14.3	374	3.08	8.7	1.1	3.0	2.3	36.2	0.14	0.55	0.13	77
1075178	Soil	206.0	1208	0.78	36.74	5.00	53.9	71	38.2	11.5	339	2.36	5.7	1.3	4.4	2.6	39.6	0.14	0.34	0.09	61
REP 1075178	QC			0.80	33.72	4.94	51.7	68	35.8	11.2	330	2.38	5.6	1.3	1.4	2.6	40.0	0.14	0.32	0.09	62



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Report Date: November 30, 2011

Page: 1 of 3 Part 2

QUALITY CONTROL REPORT

WHI11001389.2

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.01	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																				
1081002	Soil	1.17	0.089	13.2	46.2	0.92	179.9	0.121	3	1.85	0.043	0.10	0.2	5.3	0.12	0.03	36	0.4	<0.02	5.4
REP 1081002	QC	1.16	0.087	13.1	49.2	0.93	173.1	0.120	2	1.82	0.043	0.10	0.1	5.2	0.11	0.03	30	0.5	<0.02	5.5
1081011	Soil	0.55	0.070	21.9	44.0	0.72	201.0	0.105	1	2.20	0.020	0.06	0.5	5.6	0.17	0.02	33	0.5	0.02	6.6
REP 1081011	QC																			
1081029	Soil	0.44	0.059	13.7	35.9	0.63	136.7	0.112	1	1.89	0.026	0.06	1.3	4.1	0.10	<0.02	30	0.2	0.02	5.0
REP 1081029	QC	0.43	0.060	14.2	35.6	0.64	141.5	0.107	2	1.83	0.025	0.05	1.2	3.9	0.10	<0.02	21	0.2	<0.02	5.2
1081039	Soil	0.46	0.062	23.2	38.2	0.72	186.1	0.101	2	2.09	0.023	0.07	0.7	5.9	0.16	<0.02	36	0.4	0.07	6.1
REP 1081039	QC	0.46	0.068	24.5	39.2	0.73	192.3	0.100	2	2.04	0.022	0.07	0.8	6.0	0.15	<0.02	47	0.3	0.06	6.2
1081062	Soil	0.66	0.060	13.9	60.9	1.05	162.1	0.068	1	2.18	0.045	0.06	0.6	4.9	0.10	0.03	51	0.2	0.07	5.7
REP 1081062	QC																			
1081067	Soil	0.43	0.075	22.7	36.8	0.75	174.9	0.080	2	2.15	0.017	0.06	0.4	6.0	0.13	0.02	34	0.5	0.05	6.2
REP 1081067	QC	0.38	0.072	22.7	35.3	0.73	168.4	0.078	2	2.12	0.017	0.06	0.4	5.5	0.13	0.02	42	0.4	0.06	5.5
1081077	Soil	0.56	0.070	10.2	38.1	0.63	135.8	0.057	2	1.79	0.029	0.04	0.2	2.9	0.10	0.06	57	0.5	0.08	5.6
REP 1081077	QC	0.57	0.067	10.5	37.7	0.62	139.5	0.056	2	1.78	0.029	0.04	0.2	3.1	0.10	0.06	40	0.5	0.04	5.7
1081098	Soil	0.68	0.063	10.3	37.2	0.56	158.5	0.065	2	1.96	0.030	0.05	0.1	4.1	0.10	0.06	47	0.8	0.06	6.7
REP 1081098	QC	0.69	0.064	10.0	36.7	0.56	152.2	0.062	2	1.96	0.031	0.05	0.1	3.9	0.10	0.06	36	0.6	0.10	6.4
1081108	Soil	0.57	0.054	11.3	42.9	0.56	137.8	0.076	2	2.15	0.029	0.04	0.1	3.9	0.10	0.04	39	0.6	0.11	6.2
REP 1081108	QC																			
1081111	Soil	0.88	0.068	11.3	46.3	0.74	196.9	0.105	2	2.09	0.025	0.07	0.2	4.7	0.13	0.04	45	0.5	<0.02	6.7
REP 1081111	QC	0.86	0.073	12.2	46.0	0.73	213.0	0.108	2	2.03	0.024	0.07	0.2	4.7	0.14	0.04	30	0.5	0.02	7.0
1081133	Soil	0.57	0.054	9.5	39.2	0.71	173.3	0.099	2	2.03	0.023	0.06	0.2	4.0	0.10	0.03	18	0.4	<0.02	7.4
REP 1081133	QC	0.57	0.053	9.5	39.0	0.72	175.6	0.098	2	2.07	0.023	0.06	0.2	4.0	0.09	0.03	30	0.4	<0.02	7.6
1081135	Soil	0.85	0.084	21.3	34.7	0.53	202.0	0.059	3	1.90	0.032	0.05	0.1	3.6	0.11	0.07	42	0.7	<0.02	5.6
REP 1081135	QC																			
1075746	Soil	0.81	0.046	14.6	42.9	0.75	197.1	0.092	2	2.07	0.034	0.06	<0.1	4.9	0.11	<0.02	44	0.2	0.03	5.9
REP 1075746	QC	0.82	0.047	15.1	42.8	0.74	203.8	0.093	3	2.09	0.034	0.06	0.1	4.8	0.11	<0.02	43	0.3	0.05	6.4
1075178	Soil	0.94	0.076	13.1	46.4	0.78	169.9	0.109	2	1.50	0.036	0.10	0.1	4.0	0.13	0.03	25	0.2	0.04	4.7
REP 1075178	QC	0.97	0.075	13.3	47.8	0.80	167.7	0.108	2	1.52	0.037	0.10	0.2	4.1	0.13	0.03	22	0.2	<0.02	4.5



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210800

Report Date:

November 30, 2011

Page:

1 of 3

Part 3

QUALITY CONTROL REPORT

WHI11001389.2

Method Analyte Unit MDL		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	LOI
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	LOI
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	%
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.1
Pulp Duplicates																	
1081002	Soil	<0.1	0.12	1.40	11.0	1.0	<0.05	6.2	10.66	27.6	0.02	<1	0.4	11.3	<10	<2	14.0
REP 1081002	QC	<0.1	0.11	1.44	11.2	1.1	<0.05	6.4	10.71	27.1	0.03	<1	0.3	11.2	<10	<2	
1081011	Soil	<0.1	0.12	1.40	11.9	1.4	<0.05	5.7	9.14	36.9	0.03	2	0.5	14.4	<10	<2	11.7
REP 1081011	QC																11.9
1081029	Soil	<0.1	0.05	0.80	8.8	0.6	<0.05	4.3	6.72	31.5	0.02	1	0.4	10.2	<10	<2	6.7
REP 1081029	QC	<0.1	0.08	0.76	9.2	0.6	<0.05	4.6	6.63	31.2	0.03	<1	0.5	10.8	<10	<2	
1081039	Soil	<0.1	0.12	1.49	16.8	1.8	<0.05	7.8	12.21	47.3	0.02	<1	0.4	15.1	<10	<2	I.S.
REP 1081039	QC	<0.1	0.13	1.53	17.3	1.8	<0.05	8.2	12.60	49.2	0.03	<1	0.7	15.3	<10	<2	
1081062	Soil	<0.1	0.03	1.01	9.1	1.1	<0.05	2.5	7.21	33.3	0.03	<1	0.6	17.0	<10	<2	12.8
REP 1081062	QC																13.2
1081067	Soil	<0.1	0.06	1.08	13.8	1.2	<0.05	3.5	12.13	43.3	0.04	<1	0.6	16.7	<10	<2	10.3
REP 1081067	QC	<0.1	0.04	1.09	12.1	1.1	<0.05	3.4	11.34	42.8	0.03	<1	0.6	15.7	<10	<2	
1081077	Soil	<0.1	0.03	1.02	7.9	0.5	<0.05	1.5	5.55	21.5	0.03	<1	0.3	12.6	<10	<2	21.6
REP 1081077	QC	<0.1	0.03	0.97	7.5	0.6	<0.05	1.7	5.64	23.2	0.03	<1	0.5	12.6	<10	<2	
1081098	Soil	<0.1	0.06	1.17	7.7	0.6	<0.05	2.1	6.69	22.4	<0.02	<1	0.4	11.2	<10	<2	24.8
REP 1081098	QC	<0.1	0.04	1.20	7.3	0.6	<0.05	2.0	6.35	21.3	0.02	<1	0.5	11.5	<10	<2	
1081108	Soil	<0.1	0.05	1.40	6.0	1.2	<0.05	3.4	6.59	24.0	0.03	<1	0.5	9.8	<10	<2	22.0
REP 1081108	QC																21.8
1081111	Soil	<0.1	0.10	1.69	11.7	0.6	<0.05	3.8	7.44	25.9	0.03	<1	0.4	15.6	<10	<2	20.5
REP 1081111	QC	<0.1	0.08	1.75	11.8	0.6	<0.05	3.6	7.61	26.4	0.04	<1	0.3	14.9	<10	<2	
1081133	Soil	<0.1	0.04	1.17	9.0	0.8	<0.05	2.9	5.40	21.8	0.03	<1	0.4	14.8	<10	<2	13.5
REP 1081133	QC	<0.1	0.05	1.17	8.8	0.8	<0.05	3.0	5.35	21.4	0.03	2	0.3	14.9	<10	<2	
1081135	Soil	<0.1	0.02	1.10	9.5	1.1	<0.05	2.0	13.30	37.5	0.02	2	0.6	9.3	<10	<2	28.1
REP 1081135	QC																28.2
1075746	Soil	<0.1	0.09	1.46	8.5	0.8	<0.05	4.6	10.41	29.4	0.02	<1	0.7	15.8	<10	<2	11.6
REP 1075746	QC	<0.1	0.07	1.51	8.5	0.9	<0.05	4.6	10.63	29.3	0.03	<1	0.4	15.3	<10	<2	
1075178	Soil	<0.1	0.07	1.28	13.0	1.1	<0.05	3.3	8.94	23.0	0.02	<1	0.3	13.0	<10	<2	12.4
REP 1075178	QC	<0.1	0.06	1.33	12.6	1.1	<0.05	3.5	9.26	23.2	<0.02	<1	0.3	12.7	<10	<2	



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Project: 210800

Report Date: November 30, 2011

Page: 2 of 3 Part 1

QUALITY CONTROL REPORT

WHI11001389.2

		SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0	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
1075182	Soil	94.00	1374	0.75	28.05	6.62	50.1	74	27.9	11.2	508	2.26	4.8	1.0	2.1	1.3	55.6	0.20	0.43	0.09
REP 1075182	QC																			
1081353	Soil	383.0	1330	2.66	27.70	10.13	81.3	184	29.4	14.1	613	3.43	12.1	5.1	4.1	2.5	37.1	0.20	0.81	0.70
REP 1081353	QC			2.63	26.83	9.95	79.7	180	29.2	14.0	599	3.43	11.6	5.1	7.8	2.5	35.1	0.19	0.76	0.69
1081364	Soil	352.0	766.0	3.40	30.48	10.31	78.3	166	27.7	13.4	605	3.45	10.2	8.4	2.5	2.6	32.8	0.17	0.80	0.46
REP 1081364	QC			3.37	29.61	10.24	77.9	172	27.4	13.3	593	3.45	10.3	8.3	2.5	2.6	33.3	0.17	0.77	0.46
1081373	Soil	226.0	1598	5.40	56.73	13.79	71.5	178	31.3	16.7	317	3.76	10.0	6.6	5.5	6.3	40.1	0.27	0.73	0.45
REP 1081373	QC																			
1081395	Soil	271.0	600.0	1.71	26.05	5.74	86.1	81	20.2	8.5	278	2.39	6.1	0.6	2.6	1.0	21.3	2.21	0.61	0.15
REP 1081395	QC			1.49	25.19	4.56	80.4	69	19.8	8.0	281	2.31	5.8	0.5	2.6	0.8	16.7	1.76	0.50	0.13
1076379	Soil	338.0	2670	0.95	46.01	6.68	61.3	110	46.0	17.8	447	3.31	13.8	0.8	7.7	2.4	31.1	0.11	0.41	0.11
REP 1076379	QC			0.93	43.74	6.69	62.6	114	44.4	18.0	449	3.34	13.6	0.8	4.2	2.4	30.8	0.11	0.43	0.11
1076389	Soil	532.0	2284	1.09	31.33	7.47	67.9	107	36.0	14.0	458	2.90	9.3	2.7	4.9	4.6	41.6	0.20	0.38	0.22
REP 1076389	QC			1.14	32.43	7.50	68.7	109	35.7	14.4	476	2.97	9.5	2.7	6.2	4.5	43.5	0.17	0.35	0.20
1076393	Soil	202.0	780.0	4.09	22.66	12.71	57.6	504	16.2	9.3	267	3.02	9.7	1.4	4.3	8.5	43.2	0.26	0.38	0.26
REP 1076393	QC																			
1075198	Soil	660.0	1226	2.93	18.29	7.72	51.3	92	21.8	14.2	830	2.92	7.4	1.1	4.4	0.7	28.7	0.11	0.45	0.17
REP 1075198	QC																			
Reference Materials																				
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DOLOMITE-2	Standard																			
STD DS8	Standard			13.04	108.1	118.2	323.8	1763	37.9	7.5	596	2.44	24.7	2.7	105.2	6.6	63.8	2.23	5.47	6.60
STD DS8	Standard			13.74	109.3	122.3	326.0	1798	37.7	7.1	612	2.45	26.5	2.9	113.3	7.4	62.8	2.34	5.40	5.77



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Report Date:

November 30, 2011

Page:

2 of 3

Part 2

QUALITY CONTROL REPORT

WHI11001389.2

		1F30 Ca %	1F30 P %	1F30 La ppm	1F30 Cr ppm	1F30 Mg %	1F30 Ba ppm	1F30 Ti %	1F30 B ppm	1F30 Al %	1F30 Na %	1F30 K %	1F30 W ppm	1F30 Sc ppm	1F30 Ti ppm	1F30 S %	1F30 Hg ppb	1F30 Se ppm	1F30 Te ppm	1F30 Ga ppm	1F30 Cs ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1075182	Soil	1.65	0.065	11.4	32.0	0.63	149.2	0.079	3	1.34	0.036	0.07	0.1	3.6	0.10	0.06	35	0.3	<0.02	3.8	0.70
REP 1075182	QC																				
1081353	Soil	0.53	0.070	17.2	40.1	0.75	173.4	0.067	2	2.19	0.018	0.05	0.3	3.6	0.14	0.05	27	0.2	0.04	6.2	1.72
REP 1081353	QC	0.50	0.069	16.9	40.2	0.75	170.9	0.062	2	2.19	0.017	0.05	0.3	3.5	0.13	0.05	40	0.2	0.05	6.0	1.70
1081364	Soil	0.46	0.076	18.2	41.3	0.80	194.8	0.069	2	2.19	0.019	0.05	0.3	3.6	0.16	0.05	27	0.2	0.07	6.3	1.69
REP 1081364	QC	0.46	0.077	18.5	40.5	0.79	190.5	0.067	2	2.21	0.019	0.05	0.3	3.5	0.15	0.05	31	0.3	0.04	6.4	1.65
1081373	Soil	0.52	0.077	25.7	43.4	0.80	176.9	0.095	2	2.32	0.025	0.06	0.3	5.7	0.16	0.02	38	0.3	0.05	6.5	1.86
REP 1081373	QC																				
1081395	Soil	0.29	0.030	8.0	26.4	0.33	57.9	0.063	<1	1.40	0.034	0.03	0.1	2.3	0.07	0.03	43	0.3	0.03	5.5	0.62
REP 1081395	QC	0.29	0.034	6.4	27.1	0.37	47.9	0.056	1	1.30	0.029	0.03	<0.1	2.6	0.05	0.03	35	0.3	0.03	4.9	0.48
1076379	Soil	0.55	0.065	11.4	48.4	0.90	184.6	0.128	1	2.71	0.026	0.09	0.1	5.3	0.13	0.02	26	0.2	<0.02	6.8	1.29
REP 1076379	QC	0.55	0.062	11.1	47.5	0.88	175.5	0.131	3	2.71	0.026	0.09	0.1	5.4	0.13	0.02	23	0.4	0.02	6.6	1.29
1076389	Soil	0.78	0.088	11.5	44.0	0.89	179.9	0.133	2	1.93	0.037	0.13	0.2	4.4	0.22	0.02	27	0.3	<0.02	6.1	2.03
REP 1076389	QC	0.80	0.091	11.8	45.5	0.92	183.9	0.143	2	2.00	0.040	0.14	0.2	4.7	0.23	0.02	19	0.2	<0.02	6.0	2.05
1076393	Soil	0.61	0.043	9.1	33.8	0.66	144.1	0.161	1	2.02	0.026	0.13	0.5	3.2	0.25	0.04	40	0.4	0.05	7.2	2.98
REP 1076393	QC																				
1075198	Soil	0.40	0.056	10.1	33.4	0.59	136.3	0.051	1	1.69	0.024	0.04	0.1	2.4	0.13	0.05	28	0.3	0.02	5.7	1.49
REP 1075198	QC																				
Reference Materials																					
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DOLOMITE-2	Standard																				
STD DS8	Standard	0.72	0.076	15.2	121.7	0.60	259.9	0.113	3	1.04	0.092	0.46	3.1	2.3	5.24	0.15	201	4.9	5.18	4.8	2.35
STD DS8	Standard	0.72	0.087	15.1	120.5	0.61	267.7	0.103	2	0.97	0.102	0.43	2.7	2.3	5.15	0.16	187	5.0	5.16	4.7	2.44



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Page: 2 of 3 Part 3

QUALITY CONTROL REPORT

WHI11001389.2

		1F30 Ge ppm 0.1	1F30 Hf ppm 0.02	1F30 Nb ppm 0.02	1F30 Rb ppm 0.1	1F30 Sn ppm 0.1	1F30 Ta ppm 0.05	1F30 Zr ppm 0.1	1F30 Y ppm 0.01	1F30 Ce ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2	LOI %
1075182	Soil	<0.1	0.09	1.43	10.0	2.1	<0.05	4.2	8.77	23.4	<0.02	<1	0.3	10.6	<10	<2	25.5
REP 1075182	QC																25.8
1081353	Soil	<0.1	0.04	1.07	10.6	0.7	<0.05	1.7	8.24	28.5	0.02	2	0.5	16.2	<10	2	16.2
REP 1081353	QC	<0.1	0.04	1.04	9.6	0.7	<0.05	1.9	8.03	28.3	0.03	<1	0.5	16.1	<10	<2	
1081364	Soil	<0.1	0.04	1.11	10.1	0.8	<0.05	1.7	8.24	27.8	0.03	<1	0.5	19.1	<10	<2	I.S.
REP 1081364	QC	<0.1	0.03	1.15	10.4	0.8	<0.05	1.7	8.46	28.4	0.03	<1	0.5	18.3	<10	<2	
1081373	Soil	<0.1	0.07	1.39	11.6	1.0	<0.05	4.4	12.24	42.4	0.03	1	0.5	15.7	<10	<2	11.2
REP 1081373	QC																11.1
1081395	Soil	<0.1	0.04	1.25	4.3	0.6	<0.05	2.2	4.41	17.9	0.03	<1	0.3	4.4	<10	<2	I.S.
REP 1081395	QC	<0.1	0.03	1.02	3.4	0.6	<0.05	1.8	3.55	14.1	<0.02	<1	0.3	5.6	<10	<2	
1076379	Soil	<0.1	0.08	1.34	12.0	0.6	<0.05	5.0	7.32	26.8	0.03	<1	0.4	13.7	<10	<2	10.9
REP 1076379	QC	<0.1	0.06	1.33	11.7	0.6	<0.05	5.0	7.13	25.8	0.03	<1	0.6	15.9	<10	<2	
1076389	Soil	<0.1	0.11	1.47	23.0	2.0	<0.05	4.3	8.15	23.2	0.04	<1	0.4	16.0	<10	<2	9.8
REP 1076389	QC	<0.1	0.09	1.58	23.9	2.1	<0.05	4.6	8.47	24.2	0.03	2	0.4	16.7	<10	<2	
1076393	Soil	<0.1	0.08	2.88	26.9	2.3	<0.05	3.3	3.71	17.8	<0.02	<1	0.3	13.0	<10	<2	20.6
REP 1076393	QC																20.6
1075198	Soil	<0.1	0.03	0.77	8.6	0.6	<0.05	1.3	5.34	19.8	0.02	<1	0.3	10.8	<10	<2	16.3
REP 1075198	QC																16.3
Reference Materials																	
STD DOLOMITE-2	Standard																46.1
STD DOLOMITE-2	Standard																45.9
STD DOLOMITE-2	Standard																45.8
STD DOLOMITE-2	Standard																45.3
STD DOLOMITE-2	Standard																45.8
STD DOLOMITE-2	Standard																45.8
STD DOLOMITE-2	Standard																45.7
STD DOLOMITE-2	Standard																45.8
STD DS8	Standard	0.1	0.09	1.44	37.1	6.5	<0.05	1.9	5.92	28.0	2.18	60	5.4	22.9	123	324	
STD DS8	Standard	<0.1	0.08	1.44	38.5	6.7	<0.05	2.3	6.23	29.0	2.14	60	5.6	29.3	101	320	



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Project: 210800

Report Date: November 30, 2011

Page: 3 of 3 Part 1

QUALITY CONTROL REPORT

WHI11001389.2

		SS80	SS80	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		-80 Wt	+80 Wt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0	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
STD DS8	Standard			13.59	112.5	120.3	333.7	1834	37.4	7.7	609	2.44	25.3	2.7	119.8	6.6	63.3	2.37	5.55	6.68	42
STD DS8	Standard			13.22	109.8	115.7	310.6	1772	37.1	7.6	605	2.43	25.1	2.5	111.8	6.4	62.3	2.27	5.53	6.45	46
STD DS8	Standard			12.52	110.0	122.6	312.7	1728	36.6	7.2	590	2.50	23.9	2.9	109.8	7.0	67.2	2.33	5.59	6.81	41
STD DS8	Standard			12.94	106.6	125.2	313.4	1732	36.1	7.2	589	2.40	24.5	2.8	102.5	6.9	64.6	2.30	5.59	6.76	41
STD DS8	Standard			13.10	112.2	108.0	306.2	1624	38.3	7.7	596	2.40	25.7	2.4	105.1	5.9	61.7	2.21	4.91	5.53	40
STD DS8	Standard			12.09	102.2	117.9	296.8	1693	35.9	6.9	588	2.35	22.0	2.7	111.6	6.6	60.3	2.07	4.85	5.62	39
STD DS8 Expected				13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1
STD DOLOMITE-2 Expected																					
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
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
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
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
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
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
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
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



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Project: 210800

Report Date: November 30, 2011

Page: 3 of 3 Part 2

QUALITY CONTROL REPORT

WHI11001389.2

		1F30 Ca %	1F30 P %	1F30 La ppm	1F30 Cr ppm	1F30 Mg %	1F30 Ba ppm	1F30 Ti %	1F30 B ppm	1F30 Al %	1F30 Na %	1F30 K %	1F30 W ppm	1F30 Sc ppm	1F30 Ti ppm	1F30 S %	1F30 Hg ppb	1F30 Se ppm	1F30 Te ppm	1F30 Ga ppm	1F30 Cs ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
STD DS8	Standard	0.72	0.078	16.2	121.3	0.61	273.6	0.113	2	0.97	0.108	0.43	2.9	2.2	5.43	0.16	190	4.8	4.77	4.7	2.48
STD DS8	Standard	0.71	0.077	15.8	120.0	0.60	275.5	0.117	3	0.93	0.099	0.42	3.0	2.3	5.21	0.16	209	5.0	4.89	4.8	2.34
STD DS8	Standard	0.72	0.075	16.0	116.7	0.62	265.2	0.110	3	0.97	0.102	0.42	2.8	2.4	5.20	0.16	181	4.7	4.89	4.2	2.30
STD DS8	Standard	0.71	0.082	16.6	114.2	0.60	277.8	0.109	3	0.94	0.102	0.42	2.9	2.3	5.30	0.16	187	5.1	5.03	4.7	2.46
STD DS8	Standard	0.72	0.086	14.7	117.9	0.60	254.5	0.122	2	1.00	0.119	0.44	2.6	2.4	4.96	0.16	186	5.0	4.91	4.6	2.30
STD DS8	Standard	0.69	0.074	14.6	113.8	0.58	247.2	0.108	3	0.89	0.092	0.40	2.9	2.2	5.25	0.16	182	5.2	5.21	4.5	2.41
STD DS8 Expected		0.7	0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48
STD DOLOMITE-2 Expected																					
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02



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Project: 210800

Report Date: November 30, 2011

Page: 3 of 3 Part 3

QUALITY CONTROL REPORT

WHI11001389.2

		1F30 Ge ppm 0.1	1F30 Hf ppm 0.02	1F30 Nb ppm 0.02	1F30 Rb ppm 0.1	1F30 Sn ppm 0.1	1F30 Ta ppm 0.05	1F30 Zr ppm 0.1	1F30 Y ppm 0.01	1F30 Ce ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2	LOI %
STD DS8	Standard	<0.1	0.12	1.34	36.4	6.8	<0.05	2.0	5.76	29.7	2.26	64	5.5	23.4	132	340	
STD DS8	Standard	0.2	0.10	1.37	37.6	6.5	<0.05	2.2	5.98	28.8	2.21	62	5.2	22.1	112	335	
STD DS8	Standard	0.1	0.10	1.43	35.6	6.9	<0.05	1.9	5.93	27.7	2.11	52	4.9	26.0	110	336	
STD DS8	Standard	0.1	0.08	1.50	38.9	6.4	<0.05	2.0	6.23	28.2	2.07	54	4.8	29.2	109	334	
STD DS8	Standard	<0.1	0.10	1.48	37.0	6.1	<0.05	2.3	6.20	29.9	1.96	54	4.8	25.2	110	318	
STD DS8	Standard	<0.1	0.08	1.36	38.1	6.1	<0.05	1.9	6.04	27.2	2.19	57	4.8	26.0	102	339	
STD DS8 Expected		0.13	0.08	1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339	
STD DOLOMITE-2 Expected																	46
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	

APPENDIX VI

ROCK GEOCHEMICAL ANALYTICAL CERTIFICATES



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Acme Analytical Laboratories (Vancouver) Ltd.

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Submitted By: Andrea Langerud

Receiving Lab: Canada-Whitehorse

Received: July 04, 2011

Report Date: July 23, 2011

Page: 1 of 4

CERTIFICATE OF ANALYSIS

WHI11000444.1

CLIENT JOB INFORMATION

Project: 210800
Shipment ID: YTG-004
P.O. Number
Number of Samples: 83

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.

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

CC: Rupa Mukherjee
Randy Farmer

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-1000	78	Crush, split and pulverize 1kg rock to 200 mesh			VAN
G601	81	Fire Assay fusion Au by ICP-ES	30	Completed	VAN
1F06	80	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	30	Completed	VAN

ADDITIONAL COMMENTS



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



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Project: 210800
Report Date: July 23, 2011

Page: 2 of 4 Part 1

CERTIFICATE OF ANALYSIS

WHI11000444.1

	Method Analyte Unit MDL	WGHT	G6	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		kg	gm/t	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0.01	0.005	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
1076001	Rock	3.67	0.009	2.75	43.25	8.43	106.8	338	29.7	7.4	189	2.83	5.4	1.1	11.0	7.1	13.3	0.55	0.51	1.43
1076002	Rock	2.12	<0.005	0.46	1.76	4.87	31.5	32	1.9	0.5	113	0.73	18.0	8.3	0.7	11.5	1.9	0.05	1.21	0.15
1076003	Rock	2.11	<0.005	0.80	1.97	7.06	40.1	49	1.9	0.4	170	0.80	6.0	6.4	0.3	16.2	1.5	0.04	0.71	0.46
1076004	Rock	3.48	<0.005	0.16	66.82	1.79	25.2	51	35.1	16.0	324	2.12	6.1	<0.1	1.2	<0.1	41.4	0.08	0.47	0.11
1076005	Rock	3.92	<0.005	0.14	73.64	1.74	29.8	43	42.6	18.2	369	2.44	2.2	<0.1	0.6	0.2	44.2	0.10	0.32	0.06
1076006	Rock	3.05	<0.005	0.09	63.18	2.17	21.1	87	48.4	20.3	297	2.17	12.1	<0.1	0.2	<0.1	39.0	0.07	1.66	0.14
1076007	Rock	1.84	<0.005	0.30	13.70	1.51	16.3	24	5.6	9.0	227	1.90	0.3	0.3	10.7	0.6	208.8	0.05	0.07	0.10
1076008	Rock	3.05	<0.005	0.27	7.57	2.56	18.3	27	52.6	6.2	244	1.57	1.1	<0.1	0.3	0.6	5.1	0.02	0.34	0.03
1076009	Rock	2.88	<0.005	3.70	91.76	11.79	132.7	403	32.2	10.9	368	2.27	11.2	2.5	0.7	6.4	124.9	0.64	0.13	0.12
1076010	Rock Pulp	0.06	0.203	151.8	1726	22.09	59.5	1920	17.9	16.4	355	3.83	22.9	3.9	211.1	9.4	66.1	0.82	6.88	2.27
1076011 G1 BLANK	Rock	0.02	<0.005	0.11	1.37	2.90	45.7	8	4.4	4.4	523	1.95	0.5	1.6	0.3	4.8	54.9	0.01	0.06	0.05
1076012	Rock	1.47	<0.005	5.75	30.65	3.85	24.3	158	77.1	14.9	118	2.79	2.2	1.3	<0.2	5.2	182.3	0.11	0.19	0.20
1076101	Rock	1.22	<0.005	0.19	6.50	9.80	40.1	27	4.4	8.1	407	2.29	1.4	1.4	<0.2	16.9	33.0	0.06	0.28	0.06
1076102	Rock	1.24	<0.005	0.19	4.45	9.32	37.7	33	4.5	7.7	410	2.09	1.7	1.4	<0.2	18.0	40.7	0.07	0.29	0.07
1076103	Rock	1.17	<0.005	0.28	5.40	9.51	29.1	36	3.5	5.6	343	2.09	1.4	8.0	<0.2	22.9	14.8	0.02	0.27	0.32
1076104	Rock	1.66	<0.005	0.21	3.03	3.63	5.6	13	3.0	1.5	109	0.86	1.9	2.8	<0.2	27.8	8.3	0.02	0.32	0.04
1076105	Rock	1.80	<0.005	0.37	13.57	2.33	10.5	67	4.9	1.7	86	1.01	1.6	0.1	5.9	0.6	3.0	0.03	0.13	0.21
1076106	Rock	1.18	<0.005	0.26	5.46	7.01	3.4	23	1.4	0.5	82	0.57	12.9	2.2	0.3	11.9	2.5	0.01	0.20	0.15
1076107	Rock	2.13	<0.005	0.32	11.77	1.17	6.2	71	3.6	0.8	74	1.21	1.2	<0.1	1.4	0.2	20.8	0.03	0.07	0.09
1076108	Rock	1.85	0.016	0.21	6.20	4.73	23.5	28	28.2	9.7	208	1.33	96.5	0.9	17.9	6.8	126.8	0.07	0.46	0.36
1076109	Rock	0.56	<0.005	0.97	6.90	3.19	28.0	14	34.6	12.3	252	2.78	4.0	1.0	0.6	15.9	13.8	0.06	0.22	0.03
1076110	Rock Pulp	0.06	0.187	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1076111 G1 BLANK	Rock	0.01	<0.005	0.14	2.29	2.71	45.5	13	3.3	4.3	531	1.91	0.7	1.4	0.6	4.5	56.6	<0.01	0.04	0.04
1076112	Rock	0.81	<0.005	0.17	3.80	1.68	25.1	5	30.3	10.9	182	2.89	1.9	2.1	<0.2	21.6	4.1	<0.01	0.07	<0.02
1076113	Rock	0.92	<0.005	0.43	45.51	4.58	57.2	77	32.0	16.0	290	3.12	8.9	1.8	0.7	11.9	91.1	0.05	0.38	0.13
1076114	Rock	1.02	<0.005	0.08	1.26	18.31	65.1	55	1.3	0.3	171	0.57	1.5	2.8	<0.2	13.0	2.7	0.04	0.16	0.24
1076051	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1076052	Rock	3.87	0.006	0.13	16.53	2.63	29.4	23	17.2	5.6	279	1.58	4.7	2.2	2.5	15.5	61.3	0.02	0.25	0.06
1076053	Rock	5.98	<0.005	1.41	55.85	3.30	28.1	58	13.2	9.3	145	2.64	7.8	2.3	1.5	9.6	21.2	0.03	0.23	0.19
1076054	Rock	3.13	<0.005	1.22	5.61	16.52	38.0	32	6.4	6.9	806	2.27	3.1	3.1	0.4	20.8	11.7	0.09	0.44	0.03



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Project: 210800
Report Date: July 23, 2011

Page: 2 of 4 Part 2

CERTIFICATE OF ANALYSIS

WHI11000444.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.01	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
1076001	Rock	0.16	0.066	18.5	65.5	0.57	183.3	0.091	<1	1.72	0.020	0.56	0.1	3.4	0.26	0.09	5	1.5	0.31	5.1
1076002	Rock	0.04	<0.001	0.8	11.8	0.01	18.2	0.002	<1	0.27	0.058	0.09	0.7	0.1	0.06	<0.02	7	0.4	<0.02	1.9
1076003	Rock	0.04	0.001	1.3	10.7	0.01	14.2	0.003	<1	0.33	0.054	0.13	22.1	0.1	0.13	<0.02	<5	0.3	<0.02	2.4
1076004	Rock	2.04	0.029	0.6	98.8	1.06	14.5	0.132	1	2.32	0.396	0.04	<0.1	6.9	<0.02	0.06	7	0.2	<0.02	7.1
1076005	Rock	2.22	0.085	1.6	123.7	1.40	29.7	0.124	3	2.65	0.408	0.05	<0.1	7.1	<0.02	0.05	7	0.4	<0.02	7.3
1076006	Rock	1.65	0.013	0.6	85.0	1.58	15.8	0.182	2	2.56	0.284	0.02	<0.1	5.0	<0.02	0.06	<5	0.3	<0.02	5.6
1076007	Rock	1.95	0.082	5.5	33.6	0.70	98.6	0.147	<1	2.81	0.270	0.10	2.4	4.9	0.03	<0.02	<5	0.2	<0.02	6.0
1076008	Rock	0.11	0.031	3.6	81.9	0.90	22.2	0.003	<1	0.87	0.001	0.04	<0.1	1.6	<0.02	<0.02	<5	0.4	<0.02	4.8
1076009	Rock	0.85	0.200	15.8	62.3	0.63	132.0	0.069	<1	1.11	0.062	0.49	0.3	3.2	0.24	1.04	9	2.1	0.09	4.3
1076010	Rock Pulp	1.63	0.061	20.4	64.9	0.78	235.8	0.038	5	1.36	0.048	0.50	2.3	5.0	0.29	1.55	91	3.0	0.26	4.3
1076011 G1 BLANK	Rock	0.43	0.071	9.3	6.5	0.55	198.1	0.131	<1	0.92	0.063	0.44	<0.1	1.7	0.28	<0.02	<5	0.2	<0.02	4.5
1076012	Rock	2.41	0.025	14.7	83.2	0.62	70.3	0.130	3	4.23	0.398	0.47	0.1	6.1	0.69	1.56	<5	1.5	0.04	9.8
1076101	Rock	0.76	0.060	21.0	26.2	0.70	79.3	0.142	3	1.31	0.075	0.14	0.2	2.8	0.07	<0.02	<5	0.3	0.02	5.5
1076102	Rock	0.72	0.061	24.2	23.1	0.61	80.8	0.127	2	1.10	0.055	0.11	0.2	2.1	0.06	<0.02	<5	0.2	<0.02	5.1
1076103	Rock	0.66	0.030	18.4	38.2	0.53	33.9	0.060	<1	0.91	0.066	0.12	0.7	3.9	0.06	<0.02	<5	<0.1	<0.02	4.5
1076104	Rock	0.08	0.004	10.3	18.1	0.13	70.5	0.038	2	0.30	0.046	0.19	0.3	0.7	0.09	<0.02	<5	0.1	<0.02	1.1
1076105	Rock	0.09	0.029	1.8	31.4	0.12	22.1	0.014	<1	0.28	0.005	0.10	<0.1	0.4	0.05	<0.02	<5	0.4	0.04	0.9
1076106	Rock	0.04	0.001	7.6	12.0	0.03	10.3	0.015	<1	0.24	0.044	0.11	0.9	0.3	0.04	<0.02	<5	0.3	<0.02	1.0
1076107	Rock	0.02	0.014	0.6	32.2	0.05	22.8	0.007	<1	0.17	0.003	0.05	<0.1	0.2	0.04	0.03	5	0.6	0.06	0.6
1076108	Rock	2.68	0.058	12.5	43.2	0.68	48.2	0.096	1	4.51	0.445	0.11	0.2	2.4	0.04	<0.02	<5	0.2	0.07	12.4
1076109	Rock	0.32	0.020	30.3	72.3	0.92	219.1	0.121	<1	1.90	0.077	0.70	0.2	7.3	0.33	<0.02	<5	<0.1	0.02	6.4
1076110	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1076111 G1 BLANK	Rock	0.42	0.073	9.0	6.4	0.53	194.5	0.122	<1	0.88	0.054	0.43	<0.1	1.7	0.28	<0.02	<5	<0.1	<0.02	4.5
1076112	Rock	0.14	0.058	72.4	52.7	0.86	140.4	0.110	<1	2.02	0.036	1.23	0.2	4.3	0.58	<0.02	<5	<0.1	<0.02	6.3
1076113	Rock	2.08	0.020	18.8	62.7	0.67	41.5	0.114	2	3.61	0.188	0.18	0.3	5.0	0.07	0.76	<5	0.4	0.03	10.6
1076114	Rock	0.06	0.001	2.6	4.7	0.05	18.3	<0.001	<1	0.40	0.041	0.18	0.3	<0.1	0.12	<0.02	<5	0.2	<0.02	1.5
1076051	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1076052	Rock	2.21	0.032	23.4	51.4	0.74	73.6	0.143	2	2.91	0.162	0.36	1.2	5.3	0.09	0.04	<5	0.1	<0.02	9.6
1076053	Rock	0.37	0.027	18.6	39.3	0.47	49.2	0.051	<1	1.52	0.064	0.29	<0.1	2.1	0.18	0.21	<5	1.5	<0.02	5.0
1076054	Rock	0.16	0.039	11.7	14.7	0.11	103.9	0.003	<1	0.84	0.002	0.07	0.5	6.1	0.05	<0.02	108	0.2	<0.02	1.9



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Report Date: July 23, 2011

Page: 2 of 4 Part 3

CERTIFICATE OF ANALYSIS

WHI11000444.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd
		ppm 0.1	ppm 0.02	ppm 0.02	ppm 0.1	ppm 0.1	ppm 0.05	ppm 0.1	ppm 0.01	ppm 0.1	ppm 0.02	ppb 1	ppm 0.1	ppm 0.1	ppb 10
1076001	Rock	<0.1	0.08	0.32	45.4	0.7	<0.05	3.4	6.49	33.2	0.06	1	1.0	11.2	<10
1076002	Rock	<0.1	0.26	3.62	6.5	0.5	<0.05	3.8	19.39	3.7	<0.02	<1	0.3	2.7	<10
1076003	Rock	<0.1	0.13	4.60	17.7	1.6	<0.05	2.6	20.24	5.0	<0.02	<1	<0.1	7.9	<10
1076004	Rock	0.1	0.10	<0.02	0.9	0.2	<0.05	3.0	6.97	1.9	<0.02	<1	<0.1	6.3	<10
1076005	Rock	0.1	0.17	0.03	1.8	0.2	<0.05	4.2	11.01	4.6	0.02	<1	0.3	13.8	<10
1076006	Rock	0.1	0.11	0.03	0.6	0.1	<0.05	2.7	5.26	1.6	<0.02	<1	<0.1	6.7	<10
1076007	Rock	0.1	0.14	0.06	5.6	0.3	<0.05	3.2	6.89	12.2	<0.02	<1	0.3	5.9	<10
1076008	Rock	<0.1	0.04	<0.02	1.6	0.4	<0.05	1.6	1.73	7.5	<0.02	<1	0.3	13.6	<10
1076009	Rock	<0.1	<0.02	0.21	24.9	0.5	<0.05	0.7	11.75	25.2	0.03	7	0.5	17.3	11
1076010	Rock Pulp	<0.1	0.12	0.08	30.4	1.6	<0.05	3.1	9.99	35.4	0.04	30	<0.1	6.7	<10
1076011 G1 BLANK	Rock	0.1	0.07	0.48	34.0	0.5	<0.05	1.1	4.94	17.6	<0.02	<1	0.7	28.4	<10
1076012	Rock	<0.1	0.13	0.12	43.6	0.4	<0.05	3.8	6.94	25.3	<0.02	8	0.8	47.5	<10
1076101	Rock	<0.1	0.08	0.45	7.8	0.5	<0.05	1.8	7.05	35.2	<0.02	<1	0.4	14.6	<10
1076102	Rock	<0.1	0.08	0.63	6.9	0.6	<0.05	1.6	6.61	36.8	<0.02	<1	0.4	13.5	<10
1076103	Rock	<0.1	0.28	0.63	8.8	0.8	<0.05	5.2	8.39	30.4	<0.02	<1	0.3	12.6	<10
1076104	Rock	<0.1	0.08	0.25	10.3	0.3	<0.05	2.6	2.00	16.8	<0.02	<1	<0.1	2.5	<10
1076105	Rock	<0.1	<0.02	0.24	9.1	0.2	<0.05	0.1	1.20	3.4	<0.02	<1	0.1	2.7	<10
1076106	Rock	<0.1	0.27	2.37	7.3	0.3	<0.05	4.7	4.34	14.3	<0.02	<1	0.1	1.4	<10
1076107	Rock	<0.1	<0.02	0.13	4.5	0.2	<0.05	0.1	0.62	1.3	<0.02	<1	<0.1	0.5	<10
1076108	Rock	<0.1	<0.02	0.25	5.5	0.7	<0.05	0.5	7.01	24.1	<0.02	<1	1.5	7.1	<10
1076109	Rock	<0.1	0.04	0.52	48.7	0.3	<0.05	1.3	7.22	55.2	<0.02	<1	0.4	23.1	<10
1076110	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1076111 G1 BLANK	Rock	<0.1	0.07	0.45	37.1	0.4	<0.05	1.1	4.70	16.3	<0.02	<1	0.1	27.5	<10
1076112	Rock	<0.1	0.04	0.30	100.2	0.3	<0.05	1.6	10.59	125.9	<0.02	<1	0.3	27.3	<10
1076113	Rock	<0.1	0.03	0.35	11.8	1.1	<0.05	0.5	7.23	36.3	0.02	<1	1.0	17.2	<10
1076114	Rock	<0.1	1.03	2.95	18.7	0.5	<0.05	20.4	22.27	9.8	<0.02	<1	0.5	4.8	<10
1076051	Rock	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
1076052	Rock	<0.1	0.06	0.22	21.7	1.9	<0.05	1.6	7.52	43.5	0.02	<1	0.8	19.7	<10
1076053	Rock	<0.1	0.05	0.29	20.3	0.3	<0.05	1.6	4.00	34.2	<0.02	<1	1.1	12.7	<10
1076054	Rock	<0.1	0.18	<0.02	4.6	0.4	<0.05	6.2	11.07	22.2	0.03	<1	0.4	5.2	<10



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Page: 3 of 4 Part 1

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	WGHT	G6	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		kg	gm/t	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0.01	0.005	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
1076201	Rock	2.34	<0.005	0.21	55.26	1.86	38.4	86	27.2	19.0	468	2.91	5.6	<0.1	<0.2	0.2	13.1	0.08	1.61	<0.02
1076202	Rock	3.26	<0.005	0.08	57.34	2.62	15.8	68	141.2	18.7	177	1.23	3.7	<0.1	1.0	<0.1	143.4	0.04	0.15	<0.02
1076251	Rock	2.04	0.071	4.34	19.09	30.29	27.6	2332	2.7	4.6	416	1.97	0.8	2.2	147.3	9.2	27.5	0.51	0.31	17.33
1076152	Rock	2.24	<0.005	0.77	39.51	5.13	52.9	51	27.6	15.6	409	3.51	1.9	1.4	2.7	10.3	31.2	0.09	0.16	0.09
1076153	Rock	1.61	<0.005	0.46	18.39	9.63	29.7	48	19.0	7.2	295	2.05	3.4	2.3	1.9	23.9	6.6	0.06	0.23	0.10
1076154	Rock	1.45	3.938	0.85	1.90	4.02	16.1	496	2.6	3.5	173	1.14	77.1	1.4	6833	10.8	7.1	0.04	0.42	25.74
1076155	Rock	1.26	<0.005	3.83	84.30	5.73	34.1	102	18.3	4.6	305	3.49	25.6	2.1	5.5	8.3	14.8	0.04	0.24	0.08
1076156	Rock	1.42	<0.005	0.19	5.91	1.99	4.5	11	3.6	1.5	93	0.66	1.0	0.1	2.8	1.4	1.0	0.05	0.09	0.13
1076301	Rock	1.02	7.983	10.30	15.01	36.85	17.5	1813	2.3	2.7	262	1.40	0.7	4.6	6989	17.8	11.8	0.27	0.55	133.0
1076302	Rock	1.05	1.217	14.08	21.22	36.23	18.9	1845	1.5	2.8	234	1.31	0.5	2.9	1248	18.4	9.7	0.21	0.30	46.67
1076303	Rock	0.57	0.019	0.56	1.27	10.31	35.8	23	3.2	3.8	606	2.06	0.3	3.4	16.6	19.5	27.8	0.09	0.21	1.11
1076304	Rock	0.99	<0.005	0.69	101.1	3.36	17.8	196	8.3	16.2	221	3.32	0.8	0.6	0.7	4.9	139.3	0.14	0.33	0.25
1076305	Rock	1.03	0.007	0.66	11.77	4.59	3.3	52	1.8	0.4	100	0.61	0.5	0.7	2.4	4.8	2.7	0.04	0.32	0.28
1076306	Rock	1.00	<0.005	0.19	3.56	5.51	2.6	12	2.2	0.8	71	0.43	0.5	2.7	3.0	17.6	2.8	0.02	0.16	0.09
1076307	Rock	1.22	<0.005	0.68	212.4	1.68	11.7	110	65.0	20.2	233	2.27	4.9	<0.1	4.3	0.2	51.4	0.04	0.58	0.28
1076308	Rock	1.09	<0.005	0.38	7.56	0.98	13.1	14	5.2	6.2	208	1.58	0.9	0.2	4.0	0.4	152.9	0.04	0.06	0.10
1076309	Rock	0.87	<0.005	0.55	9.45	5.04	4.0	15	2.1	0.8	109	0.57	3.7	1.8	2.3	45.5	5.7	0.01	0.24	0.06
1076310	Rock Pulp	0.06	0.211	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1076311 G1 BLANK	Rock	0.01	<0.005	0.16	2.94	2.52	44.1	14	4.5	4.2	532	1.92	0.2	1.3	4.5	4.8	47.3	<0.01	0.04	0.16
1076312	Rock	0.99	0.010	1.03	62.05	3.56	78.8	122	40.0	11.4	226	2.50	9.6	0.8	5.5	4.8	15.2	0.22	0.28	0.29
1076313	Rock	0.80	<0.005	0.33	14.27	0.76	3.1	59	3.0	1.1	71	0.68	1.0	<0.1	1.4	0.2	3.9	0.02	0.07	0.06
1076314	Rock	0.68	<0.005	0.19	4.47	3.49	28.0	11	4.6	6.5	428	1.87	1.6	2.3	1.6	19.2	160.3	0.04	0.46	0.04
1076315	Rock	0.86	<0.005	3.68	8.52	28.78	5.7	1694	1.3	0.3	74	0.29	457.9	4.1	1.5	17.3	12.7	0.03	0.73	5.99
1076316	Rock	0.52	0.219	0.51	626.9	4.79	6.8	1624	6.3	8.4	57	19.81	2160	1.0	230.6	3.4	5.2	0.07	13.35	0.34
1076317	Rock	0.83	<0.005	0.33	11.25	1.02	3.4	17	3.6	1.4	90	0.64	3.7	0.1	0.8	0.2	1.4	0.01	0.11	0.46
1076318	Rock	1.82	<0.005	0.20	13.39	2.53	10.1	31	22.7	10.9	108	1.22	13.2	0.9	1.8	12.0	8.9	0.03	0.22	0.09
1076319	Rock	1.38	0.108	0.33	126.1	2.18	23.8	131	113.7	47.9	183	2.93	181.3	0.2	119.9	1.0	215.5	0.03	0.31	0.63
1076320	Rock	0.87	0.012	0.58	173.5	1.04	6.6	188	211.2	31.1	143	2.60	40.2	0.4	13.5	2.4	16.5	0.02	28.89	0.22
1076321	Rock	0.57	<0.005	0.24	7.46	4.07	21.2	19	4.2	5.2	245	1.45	1.7	3.0	1.5	21.0	21.7	0.03	0.12	0.06
1076322	Rock	0.42	<0.005	0.24	10.54	4.25	24.6	20	6.8	7.3	329	1.93	1.4	3.6	1.2	20.8	25.2	0.04	0.37	0.09



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Report Date: July 23, 2011

Page: 3 of 4 Part 2

CERTIFICATE OF ANALYSIS

WHI11000444.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1076201	Rock	1.92	0.059	2.2	88.3	1.22	56.6	0.210	4	1.73	0.381	0.10	0.3	13.0	<0.02	<0.02	<5	0.2	<0.02	5.8	0.42
1076202	Rock	3.97	0.007	<0.5	171.7	2.30	24.6	0.028	2	7.09	0.814	0.05	<0.1	2.3	0.05	<0.02	<5	0.2	<0.02	5.7	6.72
1076251	Rock	0.82	0.047	20.4	29.5	0.47	114.4	0.126	1	0.93	0.068	0.16	>100	2.8	0.15	<0.02	<5	0.1	0.83	4.6	2.11
1076152	Rock	0.42	0.085	15.0	51.2	1.15	230.4	0.180	<1	2.34	0.069	0.85	0.1	8.1	0.36	<0.02	<5	<0.1	0.02	8.5	4.10
1076153	Rock	0.13	0.031	24.0	54.5	0.54	49.4	0.106	<1	1.12	0.040	0.47	0.5	3.2	0.32	<0.02	<5	0.1	<0.02	5.3	3.65
1076154	Rock	0.18	0.024	9.0	22.9	0.24	77.2	0.055	<1	0.48	0.028	0.15	>100	1.0	0.11	<0.02	<5	<0.1	4.18	2.2	1.84
1076155	Rock	0.08	0.017	19.4	59.5	0.86	89.3	0.050	<1	1.84	0.036	0.53	0.2	4.5	0.26	0.14	<5	1.7	0.03	6.5	3.81
1076156	Rock	0.02	0.007	3.0	22.7	0.10	9.0	0.002	<1	0.19	0.004	0.04	0.6	0.5	0.02	<0.02	<5	<0.1	<0.02	0.9	0.53
1076301	Rock	0.27	0.028	17.8	20.5	0.31	244.7	0.112	<1	0.66	0.057	0.37	>100	1.3	0.33	<0.02	<5	0.2	8.84	2.9	3.22
1076302	Rock	0.29	0.028	17.9	13.3	0.29	223.8	0.107	<1	0.60	0.042	0.32	>100	1.2	0.30	<0.02	<5	0.2	3.11	2.7	2.86
1076303	Rock	0.81	0.035	25.4	20.0	0.41	58.5	0.054	<1	0.89	0.061	0.10	24.4	2.5	0.07	<0.02	<5	<0.1	0.05	4.8	0.48
1076304	Rock	1.65	0.101	9.8	23.6	1.18	189.4	0.211	<1	2.78	0.209	0.16	1.5	1.0	0.13	<0.02	5	0.1	0.03	7.9	2.62
1076305	Rock	0.08	0.009	6.0	32.9	<0.01	24.8	<0.001	<1	0.16	0.020	0.07	0.4	0.3	0.03	<0.02	<5	0.2	0.02	0.4	0.48
1076306	Rock	0.05	0.003	8.2	14.5	0.03	11.0	0.007	<1	0.18	0.052	0.04	1.3	0.1	<0.02	<0.02	<5	0.2	<0.02	0.6	0.26
1076307	Rock	1.77	0.049	1.6	32.4	1.19	17.8	0.073	<1	2.60	0.350	0.04	0.3	3.3	0.03	0.25	<5	0.9	<0.02	5.3	1.07
1076308	Rock	1.66	0.057	4.3	31.0	0.59	66.0	0.086	<1	2.43	0.184	0.07	1.9	3.3	0.03	<0.02	<5	<0.1	<0.02	4.8	0.83
1076309	Rock	0.07	0.003	10.0	15.2	0.05	12.4	0.018	<1	0.34	0.083	0.15	0.5	0.4	0.05	<0.02	<5	<0.1	<0.02	1.1	0.88
1076310	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	
1076311 G1 BLANK	Rock	0.42	0.068	7.7	7.2	0.54	179.4	0.104	<1	0.84	0.053	0.42	1.6	1.7	0.25	<0.02	<5	<0.1	<0.02	4.3	2.17
1076312	Rock	0.23	0.052	12.6	59.9	0.50	220.0	0.091	<1	1.82	0.015	0.54	0.2	3.5	0.24	<0.02	<5	0.8	0.10	5.3	3.06
1076313	Rock	0.05	0.019	<0.5	19.2	0.03	8.2	0.002	<1	0.07	0.002	0.01	<0.1	0.2	<0.02	<0.02	<5	0.2	0.03	0.3	0.08
1076314	Rock	0.75	0.046	20.1	24.0	0.48	36.1	0.100	<1	1.07	0.041	0.07	0.5	2.2	0.03	<0.02	<5	0.2	<0.02	5.3	0.38
1076315	Rock	0.45	0.002	3.7	17.2	<0.01	73.8	0.002	<1	0.53	0.189	0.34	15.3	0.2	0.35	<0.02	<5	0.2	0.05	2.4	3.70
1076316	Rock	0.08	0.020	3.8	9.5	0.02	25.6	<0.001	1	0.34	0.002	0.08	0.3	0.6	0.07	0.03	65	3.7	0.27	2.6	0.69
1076317	Rock	0.03	0.005	0.6	39.6	0.03	6.0	0.002	<1	0.11	0.007	0.02	<0.1	<0.1	<0.02	<0.02	<5	<0.1	0.03	0.4	0.15
1076318	Rock	0.29	0.054	21.0	62.4	0.62	168.7	0.081	2	0.97	0.059	0.41	0.2	4.0	0.25	<0.02	6	<0.1	0.03	4.0	2.36
1076319	Rock	3.23	0.140	8.2	176.9	0.92	122.0	0.304	2	4.31	0.388	0.38	0.5	1.7	0.25	0.78	<5	1.9	0.20	12.6	2.57
1076320	Rock	0.40	0.043	6.5	256.0	0.25	41.9	0.036	<1	0.66	0.063	0.08	0.2	1.7	0.07	0.98	<5	2.7	0.19	2.5	0.45
1076321	Rock	0.34	0.027	12.8	23.0	0.38	263.6	0.150	<1	0.86	0.103	0.44	0.3	1.3	0.26	<0.02	7	<0.1	0.02	2.7	1.39
1076322	Rock	0.44	0.044	20.2	23.5	0.53	365.3	0.200	<1	1.02	0.115	0.53	0.3	2.0	0.37	<0.02	8	<0.1	<0.02	3.4	2.16



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Project: 210800
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Page: 3 of 4 Part 3

CERTIFICATE OF ANALYSIS

WHI11000444.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10
1076201	Rock	<0.1	0.20	0.04	1.6	0.4	<0.05	4.5	13.10	5.4	0.03	<1	<0.1	9.4	<10
1076202	Rock	<0.1	<0.02	<0.02	2.7	<0.1	<0.05	0.2	1.19	0.7	<0.02	<1	<0.1	30.1	<10
1076251	Rock	<0.1	0.09	0.37	14.4	2.2	<0.05	1.9	8.76	31.6	<0.02	<1	0.2	9.6	<10
1076152	Rock	<0.1	<0.02	0.32	50.1	0.4	<0.05	0.5	10.68	31.3	0.03	<1	1.0	31.4	<10
1076153	Rock	<0.1	0.09	0.91	40.3	0.4	<0.05	2.4	7.38	41.7	<0.02	<1	0.5	14.5	<10
1076154	Rock	<0.1	0.06	0.17	10.4	0.3	<0.05	1.1	3.26	14.6	<0.02	2	3.0	6.9	<10
1076155	Rock	<0.1	0.04	0.15	36.7	0.1	<0.05	1.1	3.12	31.0	<0.02	<1	1.0	26.8	<10
1076156	Rock	<0.1	<0.02	0.03	3.3	<0.1	<0.05	<0.1	0.79	5.6	<0.02	<1	<0.1	1.5	<10
1076301	Rock	<0.1	0.14	0.43	32.5	1.1	<0.05	2.3	5.91	28.8	<0.02	<1	<0.1	8.6	<10
1076302	Rock	<0.1	0.09	2.13	29.2	1.0	<0.05	1.7	6.31	29.6	<0.02	4	<0.1	8.9	<10
1076303	Rock	0.1	0.12	0.51	7.8	1.5	<0.05	3.1	7.14	38.8	0.02	<1	0.8	9.7	<10
1076304	Rock	<0.1	0.23	0.27	11.1	0.2	<0.05	10.0	6.40	18.4	<0.02	<1	<0.1	12.4	<10
1076305	Rock	<0.1	0.08	<0.02	3.3	0.1	<0.05	2.1	1.86	9.3	<0.02	<1	<0.1	0.4	<10
1076306	Rock	<0.1	0.06	2.27	3.0	0.3	<0.05	1.9	4.42	13.1	<0.02	<1	0.3	0.7	<10
1076307	Rock	<0.1	0.03	<0.02	1.9	0.3	<0.05	1.0	3.64	3.3	<0.02	1	<0.1	9.6	<10
1076308	Rock	<0.1	0.07	0.05	5.1	0.2	<0.05	1.7	4.09	9.4	<0.02	<1	<0.1	6.2	<10
1076309	Rock	<0.1	0.31	0.78	8.2	0.4	<0.05	6.9	2.89	14.8	<0.02	<1	<0.1	1.1	<10
1076310	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
1076311 G1 BLANK	Rock	<0.1	0.05	0.26	33.0	0.4	<0.05	0.9	3.56	13.1	<0.02	<1	<0.1	30.9	<10
1076312	Rock	<0.1	0.12	0.28	50.7	0.7	<0.05	5.6	4.18	22.0	0.02	<1	0.9	26.0	<10
1076313	Rock	<0.1	<0.02	0.13	0.9	0.2	<0.05	0.2	0.57	0.7	<0.02	<1	<0.1	1.0	<10
1076314	Rock	0.1	0.10	0.60	3.6	0.5	<0.05	2.4	5.15	27.4	<0.02	<1	<0.1	9.0	<10
1076315	Rock	<0.1	1.09	7.85	47.4	2.4	<0.05	18.0	24.80	9.0	<0.02	<1	<0.1	127.8	<10
1076316	Rock	0.1	<0.02	0.03	4.9	0.4	<0.05	0.4	1.96	6.2	0.03	<1	<0.1	1.1	<10
1076317	Rock	<0.1	<0.02	0.13	1.6	0.2	<0.05	0.1	0.35	1.2	<0.02	<1	<0.1	0.7	<10
1076318	Rock	<0.1	<0.02	0.27	30.1	0.2	<0.05	0.3	6.61	37.2	<0.02	<1	<0.1	8.0	<10
1076319	Rock	<0.1	0.09	0.54	32.7	1.0	<0.05	2.4	4.37	13.8	<0.02	<1	1.1	11.7	<10
1076320	Rock	<0.1	<0.02	0.23	5.8	0.2	<0.05	0.5	3.65	9.7	<0.02	<1	0.6	2.6	<10
1076321	Rock	<0.1	0.12	0.49	26.9	0.4	<0.05	2.9	4.10	20.8	<0.02	<1	<0.1	7.7	<10
1076322	Rock	<0.1	0.18	0.41	37.9	0.7	<0.05	4.5	6.08	31.3	<0.02	<1	<0.1	11.1	<10



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Report Date: July 23, 2011

Page: 4 of 4 Part 1

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	WGHT	G6	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		kg	gm/t	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0.01	0.005	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
1076323	Rock	0.84	0.007	0.54	123.5	3.09	14.7	117	42.6	31.3	229	3.84	14.8	0.2	11.9	0.1	155.1	0.05	0.52	0.28
1076324	Rock	1.27	<0.005	0.35	28.75	2.56	4.4	60	11.4	4.9	64	0.69	7.9	1.1	3.1	3.9	14.3	0.04	0.20	0.06
1076325	Rock	1.18	<0.005	0.13	32.34	1.74	17.8	18	22.9	11.5	202	3.77	12.2	0.9	1.1	10.2	4.5	<0.01	0.28	0.09
1076326	Rock	1.06	<0.005	0.26	3.65	1.02	5.1	7	4.7	1.7	290	0.53	4.2	<0.1	0.7	0.4	2.0	0.03	0.12	0.04
1076327	Rock	1.29	<0.005	0.65	2.19	3.98	149.2	6	89.9	40.1	678	7.97	6.0	1.1	8.1	8.3	18.7	0.05	0.30	0.05
1076328	Rock	1.05	<0.005	0.37	7.77	9.03	23.9	13	16.4	6.8	250	1.72	3.5	6.0	0.8	21.1	3.5	0.02	0.27	0.04
1076329	Rock	0.82	0.008	0.30	17.39	7.36	3.9	117	1.4	0.9	76	0.60	28.0	7.5	15.4	25.0	3.0	0.03	0.25	0.06
1076330	Rock Pulp	0.06	I.S.	149.7	1651	21.80	59.2	1892	15.1	16.5	359	3.72	23.0	3.9	244.9	8.8	63.9	0.86	6.38	2.37
1076331 G1 BLANK	Rock	0.04	<0.005	0.04	0.96	2.36	40.7	11	2.9	3.6	498	1.86	0.2	1.3	1.4	4.4	48.9	0.02	0.04	0.06
1076332	Rock	1.01	<0.005	0.29	2.34	2.77	26.4	26	2.8	5.8	289	2.02	12.0	3.1	1.6	16.9	24.2	0.03	0.17	0.06
1076333	Rock	0.79	<0.005	0.25	3.57	5.80	56.8	16	39.6	13.4	435	3.60	1.9	0.9	0.4	14.3	7.4	0.02	0.11	0.09
1076334	Rock	0.85	<0.005	0.15	3.78	1.82	25.0	23	19.3	6.4	188	2.28	0.5	0.7	<0.2	9.3	27.8	0.03	0.10	0.04
1076335	Rock	0.65	0.019	0.20	3.19	2.76	48.9	7	27.2	10.0	305	3.95	1.2	1.6	5.3	21.2	21.2	0.04	0.12	0.03
1076336	Rock	1.18	<0.005	0.54	0.89	1.80	27.6	4	39.6	13.7	301	4.58	2.9	1.0	0.2	17.2	6.9	0.04	0.15	<0.02
1076337	Rock	0.74	<0.005	0.27	5.69	1.51	10.0	8	4.5	2.2	186	1.12	0.5	0.4	1.7	8.2	17.3	<0.01	0.05	0.02
1076338	Rock	0.65	<0.005	0.15	1.70	1.77	7.3	11	2.6	0.7	206	0.37	1.1	0.8	0.3	4.3	114.8	0.06	0.10	<0.02
1076339	Rock	0.64	<0.005	0.50	38.62	2.84	44.9	74	31.6	12.7	303	3.23	12.9	2.0	1.4	15.1	97.5	0.03	0.32	0.14
1076340	Rock	1.64	<0.005	1.78	23.62	4.14	60.8	233	27.2	5.4	183	2.18	4.0	0.8	2.0	5.0	16.7	0.15	0.43	0.17
1076341	Rock	0.85	<0.005	1.37	46.22	7.34	67.2	499	35.8	7.3	189	2.82	7.5	0.9	3.8	5.6	16.8	0.19	0.15	0.20
1076342	Rock	1.07	<0.005	1.22	43.48	7.31	56.8	503	23.9	5.5	187	2.68	8.5	0.9	4.8	6.0	17.5	0.13	0.19	0.19
1076343	Rock	0.99	0.071	1.94	43.53	6.01	78.3	490	38.6	9.6	180	2.35	131.7	0.9	56.4	5.2	13.2	1.12	0.64	0.33
1076344	Rock	1.23	0.018	1.98	38.51	13.05	61.7	621	16.5	3.5	127	2.04	19.3	0.8	19.0	4.2	10.0	0.15	0.36	0.53
1076055	Rock	3.80	1.419	27.53	8.80	29.35	30.5	1924	2.3	4.5	324	1.88	1.0	2.9	1592	11.9	24.7	0.09	0.53	100.4



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Page: 4 of 4 Part 2

CERTIFICATE OF ANALYSIS

WHI11000444.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.01	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
1076323	Rock	2.68	0.043	2.7	164.2	1.05	100.0	0.240	<1	4.45	0.407	0.12	0.4	4.8	0.05	0.34	<5	0.8	0.23	8.5
1076324	Rock	0.64	0.089	5.9	21.9	0.10	35.5	0.063	<1	0.37	0.041	0.01	0.2	0.7	<0.02	0.12	<5	0.3	0.03	1.2
1076325	Rock	0.10	0.038	18.3	67.4	0.89	174.8	0.158	<1	2.04	0.023	1.13	0.3	7.5	0.65	0.10	<5	0.3	0.06	7.5
1076326	Rock	0.17	0.009	1.4	22.0	0.14	12.6	0.002	<1	0.18	0.001	0.02	<0.1	0.6	<0.02	<0.02	<5	0.1	0.03	0.5
1076327	Rock	0.12	0.013	20.2	199.8	2.56	1139	0.557	2	5.30	0.052	2.39	0.1	19.8	1.37	<0.02	<5	0.2	0.02	21.2
1076328	Rock	0.05	0.016	14.3	39.5	0.43	65.8	0.067	<1	0.97	0.026	0.31	0.2	2.0	0.25	<0.02	<5	0.1	<0.02	3.8
1076329	Rock	0.05	<0.001	9.7	17.3	0.05	11.5	0.017	<1	0.32	0.065	0.13	0.5	0.4	0.04	<0.02	<5	<0.1	<0.02	1.8
1076330	Rock Pulp	1.66	0.064	17.4	63.4	0.78	56.6	0.032	5	1.36	0.048	0.49	2.0	5.0	0.29	1.57	80	2.4	0.24	4.4
1076331 G1 BLANK	Rock	0.37	0.066	7.8	5.3	0.55	190.3	0.097	<1	0.85	0.044	0.42	<0.1	1.5	0.27	<0.02	<5	<0.1	<0.02	4.2
1076332	Rock	0.41	0.053	17.6	18.0	0.56	469.7	0.202	1	1.08	0.103	0.60	0.8	2.0	0.40	<0.02	<5	<0.1	<0.02	4.4
1076333	Rock	0.22	0.057	20.5	90.6	1.27	111.7	0.180	<1	2.29	0.033	0.99	<0.1	6.4	0.41	<0.02	8	<0.1	<0.02	9.4
1076334	Rock	0.34	0.077	15.8	49.1	0.85	152.2	0.179	1	1.66	0.093	0.87	0.4	5.6	0.52	<0.02	<5	<0.1	<0.02	6.2
1076335	Rock	0.41	0.043	49.5	57.0	0.97	282.3	0.162	<1	2.65	0.073	1.30	0.4	6.0	0.59	<0.02	<5	0.2	<0.02	9.2
1076336	Rock	0.27	0.085	42.9	70.1	1.29	288.4	0.209	<1	2.93	0.035	1.78	0.3	7.0	0.91	<0.02	<5	<0.1	<0.02	10.5
1076337	Rock	0.22	0.023	13.3	23.8	0.20	47.0	0.032	<1	0.71	0.056	0.17	0.2	2.3	0.08	<0.02	<5	<0.1	<0.02	2.1
1076338	Rock	5.68	0.013	8.6	12.7	0.04	17.2	0.042	3	1.42	0.115	0.06	0.2	0.4	<0.02	<0.02	<5	<0.1	<0.02	4.3
1076339	Rock	2.11	0.092	22.3	49.4	0.95	62.7	0.099	2	4.16	0.305	0.42	0.2	6.7	0.17	0.47	<5	0.2	<0.02	12.0
1076340	Rock	0.17	0.053	13.4	50.8	0.44	152.0	0.073	<1	1.58	0.028	0.44	0.1	3.0	0.21	0.14	8	0.8	0.06	4.9
1076341	Rock	0.19	0.086	15.1	59.0	0.69	245.9	0.056	<1	2.10	0.021	0.50	<0.1	4.1	0.25	0.29	<5	1.3	0.07	6.5
1076342	Rock	0.17	0.085	16.5	52.6	0.63	228.5	0.053	1	1.92	0.018	0.47	<0.1	3.2	0.26	0.18	<5	1.3	0.10	5.9
1076343	Rock	0.16	0.064	14.6	52.4	0.53	135.1	0.050	<1	1.97	0.024	0.42	<0.1	2.9	0.22	0.38	<5	0.9	0.08	6.3
1076344	Rock	0.09	0.053	11.6	47.4	0.45	192.8	0.072	<1	1.51	0.018	0.49	0.3	3.0	0.27	0.06	<5	1.1	0.17	4.7
1076055	Rock	0.54	0.047	16.5	20.1	0.48	256.6	0.159	<1	1.01	0.072	0.33	34.4	2.1	0.28	<0.02	<5	0.3	3.51	4.8



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Page: 4 of 4 Part 3

CERTIFICATE OF ANALYSIS

WHI11000444.1

	Method Analyte Unit MDL	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10
1076323	Rock	<0.1	0.10	0.04	7.8	0.6	<0.05	2.5	7.55	4.8	<0.02	2	<0.1	12.3	<10
1076324	Rock	<0.1	0.07	0.64	0.7	0.3	<0.05	1.6	4.26	9.9	<0.02	<1	<0.1	1.2	<10
1076325	Rock	<0.1	0.03	0.30	84.5	0.6	<0.05	1.1	4.48	36.6	<0.02	<1	<0.1	20.3	<10
1076326	Rock	<0.1	<0.02	0.05	1.6	0.1	<0.05	<0.1	1.21	2.5	<0.02	<1	<0.1	1.5	<10
1076327	Rock	<0.1	0.02	0.31	142.5	0.8	<0.05	0.4	3.78	38.5	0.04	<1	1.9	92.1	12
1076328	Rock	<0.1	0.23	0.35	29.8	0.4	<0.05	5.0	4.89	25.5	<0.02	<1	<0.1	17.4	<10
1076329	Rock	<0.1	0.69	2.49	5.9	0.2	<0.05	11.2	7.58	16.1	<0.02	<1	<0.1	1.7	<10
1076330	Rock Pulp	<0.1	0.10	0.05	29.3	1.7	<0.05	3.2	9.72	30.7	0.05	33	0.5	7.0	<10
1076331 G1 BLANK	Rock	<0.1	0.06	0.32	32.6	0.4	<0.05	0.9	3.50	13.9	<0.02	<1	0.1	27.7	<10
1076332	Rock	0.1	0.13	0.22	52.1	0.6	<0.05	3.0	6.41	32.0	<0.02	<1	0.3	10.5	<10
1076333	Rock	<0.1	<0.02	0.24	66.2	0.7	<0.05	0.5	11.15	44.5	0.03	<1	0.5	37.8	<10
1076334	Rock	<0.1	<0.02	0.38	76.4	0.9	<0.05	0.3	9.74	33.4	0.02	<1	0.8	29.4	<10
1076335	Rock	0.1	0.04	0.51	96.9	0.6	<0.05	1.2	12.25	84.0	<0.02	<1	0.5	35.1	<10
1076336	Rock	0.1	0.06	0.62	133.5	0.3	<0.05	2.4	10.35	73.8	<0.02	<1	0.5	42.3	<10
1076337	Rock	<0.1	<0.02	0.71	14.5	0.3	<0.05	0.3	5.14	27.3	<0.02	<1	0.2	6.0	<10
1076338	Rock	<0.1	0.04	0.16	3.0	0.5	<0.05	0.8	4.40	16.9	<0.02	<1	0.5	1.4	<10
1076339	Rock	<0.1	<0.02	0.19	31.1	0.7	<0.05	0.8	9.96	38.8	<0.02	<1	1.5	32.9	<10
1076340	Rock	<0.1	0.04	0.36	40.2	0.7	<0.05	1.6	4.42	25.1	<0.02	<1	0.9	15.0	<10
1076341	Rock	<0.1	0.06	0.17	44.7	0.7	<0.05	2.6	6.26	28.7	0.04	1	1.2	23.1	<10
1076342	Rock	<0.1	0.05	0.24	42.8	0.7	<0.05	2.5	5.87	31.8	0.02	1	0.9	21.7	<10
1076343	Rock	<0.1	0.07	0.06	36.8	0.6	<0.05	2.8	5.54	28.0	<0.02	2	1.1	14.1	<10
1076344	Rock	<0.1	0.05	0.50	48.2	0.7	<0.05	2.4	3.61	21.8	0.03	<1	0.3	10.0	<10
1076055	Rock	<0.1	0.12	0.68	26.5	1.6	<0.05	2.5	5.39	29.8	<0.02	1	0.3	13.4	<10



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Report Date: July 23, 2011

Page: 1 of 2 Part 1

QUALITY CONTROL REPORT

WHI11000444.1

	Method Analyte Unit MDL	WGHT	G6	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		kg	gm/t	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.005	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
Pulp Duplicates																					
REP G1	QC			0.17	1.79	3.92	45.9	12	4.1	4.6	576	2.14	5.6	1.6	1.1	5.2	62.2	0.03	0.10	0.26	35
1076103	Rock	1.17	<0.005	0.28	5.40	9.51	29.1	36	3.5	5.6	343	2.09	1.4	8.0	<0.2	22.9	14.8	0.02	0.27	0.32	41
REP 1076103	QC			0.29	5.42	9.43	29.4	37	3.4	5.5	339	2.07	1.4	7.7	1.5	22.7	14.9	0.04	0.28	0.29	40
REP 1076309	QC		<0.005																		
1076311 G1 BLANK	Rock	0.01	<0.005	0.16	2.94	2.52	44.1	14	4.5	4.2	532	1.92	0.2	1.3	4.5	4.8	47.3	<0.01	0.04	0.16	32
REP 1076311 G1 BLANK	QC			0.14	2.45	2.48	42.4	9	4.3	4.3	562	1.95	0.1	1.4	1.2	4.7	47.7	0.02	0.05	0.04	32
1076321	Rock	0.57	<0.005	0.24	7.46	4.07	21.2	19	4.2	5.2	245	1.45	1.7	3.0	1.5	21.0	21.7	0.03	0.12	0.06	34
REP 1076321	QC			0.24	8.28	4.18	17.4	15	4.5	5.0	248	1.50	1.5	3.1	2.6	21.4	21.8	0.04	0.14	0.06	36
1076331 G1 BLANK	Rock	0.04	<0.005	0.04	0.96	2.36	40.7	11	2.9	3.6	498	1.86	0.2	1.3	1.4	4.4	48.9	0.02	0.04	0.06	32
REP 1076331 G1 BLANK	QC		<0.005																		
1076336	Rock	1.18	<0.005	0.54	0.89	1.80	27.6	4	39.6	13.7	301	4.58	2.9	1.0	0.2	17.2	6.9	0.04	0.15	<0.02	73
REP 1076336	QC			0.53	0.91	1.72	27.0	6	36.1	12.8	293	4.54	3.0	1.0	<0.2	16.7	6.6	0.04	0.16	<0.02	72
Core Reject Duplicates																					
1076012	Rock	1.47	<0.005	5.75	30.65	3.85	24.3	158	77.1	14.9	118	2.79	2.2	1.3	<0.2	5.2	182.3	0.11	0.19	0.20	114
DUP 1076012	QC		<0.005	5.79	29.98	4.06	26.2	165	77.2	14.9	107	2.74	2.5	1.2	0.6	5.3	180.0	0.10	0.19	0.21	112
1076309	Rock	0.87	<0.005	0.55	9.45	5.04	4.0	15	2.1	0.8	109	0.57	3.7	1.8	2.3	45.5	5.7	0.01	0.24	0.06	2
DUP 1076309	QC		<0.005	0.51	8.73	4.90	5.1	21	1.9	0.8	94	0.55	4.1	1.9	1.7	43.8	4.9	0.02	0.26	0.06	<2
1076344	Rock	1.23	0.018	1.98	38.51	13.05	61.7	621	16.5	3.5	127	2.04	19.3	0.8	19.0	4.2	10.0	0.15	0.36	0.53	84
DUP 1076344	QC		0.017	2.06	38.20	12.61	62.3	598	16.1	3.4	137	2.09	18.6	0.8	17.1	4.3	9.9	0.17	0.34	0.52	83
Reference Materials																					
STD DS8	Standard			12.82	116.1	120.1	296.8	1643	39.9	7.9	595	2.46	23.5	2.7	109.0	6.4	61.5	2.32	5.58	6.41	40
STD DS8	Standard			12.71	116.0	122.4	299.1	1680	38.7	8.1	588	2.42	22.9	2.7	106.2	6.3	62.8	2.24	5.68	6.54	40
STD DS8	Standard			12.29	99.01	120.0	298.1	1748	33.7	7.0	617	2.44	24.0	2.8	119.9	6.9	71.8	2.35	5.82	7.07	41
STD DS8	Standard			12.42	101.6	120.7	313.9	1836	34.0	7.0	583	2.39	24.6	2.7	108.6	6.6	70.9	2.43	5.80	7.04	40
STD DS8	Standard			12.27	124.3	109.0	317.2	1677	43.1	8.6	620	2.43	21.6	2.5	113.8	6.1	60.6	2.12	5.14	5.82	39
STD DS8	Standard			12.86	128.2	124.2	311.7	1711	45.4	9.1	642	2.44	21.7	2.8	107.5	6.9	63.3	2.16	5.53	6.61	39
STD OXH82	Standard		1.253																		
STD OXH82	Standard		1.292																		



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Project: 210800
Report Date: July 23, 2011

Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

WHI11000444.1

Method Analyte Unit MDL		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
Pulp Duplicates																					
REP G1	QC	0.45	0.070	10.6	9.7	0.57	226.1	0.139	<1	1.01	0.077	0.46	0.1	1.6	0.30	<0.02	6	0.1	<0.02	5.0	2.48
1076103	Rock	0.66	0.030	18.4	38.2	0.53	33.9	0.060	<1	0.91	0.066	0.12	0.7	3.9	0.06	<0.02	<5	<0.1	<0.02	4.5	1.02
REP 1076103	QC	0.65	0.028	17.2	34.6	0.52	33.0	0.050	1	0.90	0.068	0.12	0.6	3.9	0.06	<0.02	<5	<0.1	0.02	4.4	1.02
REP 1076309	QC																				
1076311 G1 BLANK	Rock	0.42	0.068	7.7	7.2	0.54	179.4	0.104	<1	0.84	0.053	0.42	1.6	1.7	0.25	<0.02	<5	<0.1	<0.02	4.3	2.17
REP 1076311 G1 BLANK	QC	0.45	0.075	8.0	8.4	0.55	180.6	0.112	<1	0.87	0.055	0.43	0.2	1.7	0.26	<0.02	<5	<0.1	<0.02	4.2	2.19
1076321	Rock	0.34	0.027	12.8	23.0	0.38	263.6	0.150	<1	0.86	0.103	0.44	0.3	1.3	0.26	<0.02	7	<0.1	0.02	2.7	1.39
REP 1076321	QC	0.36	0.034	13.4	22.8	0.35	272.5	0.155	<1	0.88	0.105	0.45	0.3	1.5	0.26	<0.02	<5	<0.1	<0.02	2.7	1.44
1076331 G1 BLANK	Rock	0.37	0.066	7.8	5.3	0.55	190.3	0.097	<1	0.85	0.044	0.42	<0.1	1.5	0.27	<0.02	<5	<0.1	<0.02	4.2	2.08
REP 1076331 G1 BLANK	QC																				
1076336	Rock	0.27	0.085	42.9	70.1	1.29	288.4	0.209	<1	2.93	0.035	1.78	0.3	7.0	0.91	<0.02	<5	<0.1	<0.02	10.5	9.03
REP 1076336	QC	0.26	0.085	42.1	69.0	1.25	278.1	0.207	<1	2.91	0.034	1.73	0.2	7.1	0.89	<0.02	<5	0.2	<0.02	9.8	8.33
Core Reject Duplicates																					
1076012	Rock	2.41	0.025	14.7	83.2	0.62	70.3	0.130	3	4.23	0.398	0.47	0.1	6.1	0.69	1.56	<5	1.5	0.04	9.8	8.05
DUP 1076012	QC	2.39	0.025	13.6	82.7	0.62	67.1	0.122	3	4.16	0.390	0.46	0.1	5.8	0.74	1.57	<5	1.5	0.08	9.9	7.95
1076309	Rock	0.07	0.003	10.0	15.2	0.05	12.4	0.018	<1	0.34	0.083	0.15	0.5	0.4	0.05	<0.02	<5	<0.1	<0.02	1.1	0.88
DUP 1076309	QC	0.07	0.002	9.7	15.8	0.04	10.4	0.019	<1	0.29	0.060	0.11	0.7	0.3	0.05	<0.02	<5	<0.1	<0.02	0.9	0.86
1076344	Rock	0.09	0.053	11.6	47.4	0.45	192.8	0.072	<1	1.51	0.018	0.49	0.3	3.0	0.27	0.06	<5	1.1	0.17	4.7	2.33
DUP 1076344	QC	0.10	0.053	12.1	47.1	0.45	191.3	0.071	<1	1.51	0.019	0.48	<0.1	2.9	0.26	0.07	<5	1.1	0.20	4.8	2.39
Reference Materials																					
STD DS8	Standard	0.68	0.070	15.6	122.4	0.60	258.4	0.129	3	0.91	0.087	0.41	2.9	1.9	5.22	0.15	188	5.3	4.82	4.3	2.37
STD DS8	Standard	0.67	0.069	14.8	119.1	0.59	254.4	0.121	1	0.88	0.085	0.41	2.8	2.0	5.25	0.16	191	5.1	4.85	4.3	2.37
STD DS8	Standard	0.69	0.081	15.4	112.0	0.62	259.3	0.117	3	0.92	0.083	0.41	2.8	2.3	5.20	0.16	194	5.2	4.91	4.4	2.28
STD DS8	Standard	0.66	0.082	15.5	112.4	0.60	272.3	0.116	3	0.89	0.082	0.40	2.8	2.3	5.21	0.15	209	5.3	5.26	4.5	2.32
STD DS8	Standard	0.69	0.075	13.6	139.8	0.60	227.6	0.126	<1	0.89	0.082	0.40	2.5	2.2	4.74	0.15	175	4.5	4.47	4.3	2.24
STD DS8	Standard	0.69	0.068	15.7	132.3	0.61	249.2	0.129	1	0.89	0.080	0.41	2.9	1.9	5.32	0.15	212	5.0	4.74	4.3	2.41
STD OXH82	Standard																				
STD OXH82	Standard																				



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Project: 210800

Report Date: July 23, 2011

Page: 1 of 2 Part 3

QUALITY CONTROL REPORT

WHI11000444.1

Method Analyte Unit MDL		1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10
Pulp Duplicates															
REP G1	QC	<0.1	0.12	0.46	37.2	0.6	<0.05	1.2	5.54	19.8	<0.02	<1	0.4	31.6	<10
1076103	Rock	<0.1	0.28	0.63	8.8	0.8	<0.05	5.2	8.39	30.4	<0.02	<1	0.3	12.6	<10
REP 1076103	QC	<0.1	0.24	0.53	8.0	0.7	<0.05	4.4	7.78	28.9	<0.02	<1	0.3	12.3	<10
REP 1076309	QC														
1076311 G1 BLANK	Rock	<0.1	0.05	0.26	33.0	0.4	<0.05	0.9	3.56	13.1	<0.02	<1	<0.1	30.9	<10
REP 1076311 G1 BLANK	QC	0.1	0.06	0.30	33.4	0.3	<0.05	1.0	3.66	13.7	<0.02	<1	<0.1	26.6	<10
1076321	Rock	<0.1	0.12	0.49	26.9	0.4	<0.05	2.9	4.10	20.8	<0.02	<1	<0.1	7.7	<10
REP 1076321	QC	<0.1	0.12	0.47	28.1	0.4	<0.05	2.8	4.11	20.6	<0.02	<1	<0.1	7.6	<10
1076331 G1 BLANK	Rock	<0.1	0.06	0.32	32.6	0.4	<0.05	0.9	3.50	13.9	<0.02	<1	0.1	27.7	<10
REP 1076331 G1 BLANK	QC														
1076336	Rock	0.1	0.06	0.62	133.5	0.3	<0.05	2.4	10.35	73.8	<0.02	<1	0.5	42.3	<10
REP 1076336	QC	<0.1	0.05	0.59	127.0	0.3	<0.05	2.2	9.94	74.2	<0.02	<1	0.5	40.5	<10
Core Reject Duplicates															
1076012	Rock	<0.1	0.13	0.12	43.6	0.4	<0.05	3.8	6.94	25.3	<0.02	8	0.8	47.5	<10
DUP 1076012	QC	0.1	0.12	0.13	43.7	0.3	<0.05	3.6	6.58	24.3	<0.02	11	1.4	46.2	<10
1076309	Rock	<0.1	0.31	0.78	8.2	0.4	<0.05	6.9	2.89	14.8	<0.02	<1	<0.1	1.1	<10
DUP 1076309	QC	<0.1	0.28	1.04	7.3	0.4	<0.05	7.1	2.95	15.5	<0.02	<1	<0.1	1.0	<10
1076344	Rock	<0.1	0.05	0.50	48.2	0.7	<0.05	2.4	3.61	21.8	0.03	<1	0.3	10.0	<10
DUP 1076344	QC	<0.1	0.06	0.46	50.3	0.7	<0.05	2.4	3.50	23.3	0.03	1	0.6	10.5	<10
Reference Materials															
STD DS8	Standard	<0.1	0.08	1.29	35.4	6.9	<0.05	1.8	6.04	26.5	2.28	62	5.1	22.5	110
STD DS8	Standard	<0.1	0.07	1.23	36.5	6.9	<0.05	1.9	5.83	25.5	2.26	52	4.5	23.2	119
STD DS8	Standard	<0.1	0.07	1.18	36.9	7.2	<0.05	2.2	5.77	26.6	2.36	58	5.5	27.9	124
STD DS8	Standard	<0.1	0.08	1.12	36.0	7.7	<0.05	2.1	5.61	26.6	2.47	52	5.1	28.5	124
STD DS8	Standard	<0.1	0.07	1.08	34.8	6.2	<0.05	1.9	5.35	22.5	2.23	48	5.5	25.1	115
STD DS8	Standard	0.1	0.08	1.18	35.8	6.3	<0.05	2.0	5.61	25.3	2.18	49	5.2	21.9	121
STD OXH82	Standard														
STD OXH82	Standard														



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Report Date: July 23, 2011

Page: 2 of 2 Part 1

QUALITY CONTROL REPORT

WHI11000444.1

		WGHT	G6	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		kg	gm/t	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0.01	0.005	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
STD OXH82	Standard	1.256																		
STD OXK79	Standard	3.316																		
STD OXK79	Standard	3.279																		
STD OXK79	Standard	3.499																		
STD OXH82 Expected		1.278																		
STD OXK79 Expected		3.532																		
STD DS8 Expected				13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67
BLK	Blank	<0.005																		
BLK	Blank	<0.005																		
BLK	Blank	<0.005																		
BLK	Blank	<0.005																		
BLK	Blank	<0.005																		
BLK	Blank	<0.005																		
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
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
BLK	Blank	<0.005																		
BLK	Blank	<0.005																		
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
Prep Wash																				
G1	Prep Blank		<0.005	0.17	1.65	4.79	47.6	20	4.3	4.1	551	2.04	1.4	1.7	2.5	5.1	58.9	0.07	0.12	0.11
G1	Prep Blank	<0.005																		
G1	Prep Blank			0.15	1.67	3.86	45.8	15	4.5	4.5	553	2.13	5.6	1.6	0.9	5.0	61.7	0.04	0.10	0.28



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Project: 210800

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Page: 2 of 2 Part 2

QUALITY CONTROL REPORT

WHI11000444.1

		1F30 Ca %	1F30 P %	1F30 La ppm	1F30 Cr ppm	1F30 Mg %	1F30 Ba ppm	1F30 Ti %	1F30 B ppm	1F30 Al %	1F30 Na %	1F30 K %	1F30 W ppm	1F30 Sc ppm	1F30 Ti ppm	1F30 S %	1F30 Hg ppb	1F30 Se ppm	1F30 Te ppm	1F30 Ga ppm	1F30 Cs ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
STD OXH82	Standard																				
STD OXK79	Standard																				
STD OXK79	Standard																				
STD OXK79	Standard																				
STD OXH82 Expected																					
STD OXK79 Expected																					
STD DS8 Expected		0.7	0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
Prep Wash																					
G1	Prep Blank	0.42	0.070	10.1	11.1	0.55	222.9	0.135	1	0.93	0.068	0.45	<0.1	1.6	0.31	<0.02	10	0.1	<0.02	4.7	2.48
G1	Prep Blank																				
G1	Prep Blank	0.43	0.067	10.4	9.5	0.56	223.3	0.136	<1	0.98	0.075	0.46	<0.1	1.8	0.31	<0.02	<5	0.3	<0.02	4.8	2.45



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Project: 210800

Report Date: July 23, 2011

Page: 2 of 2 Part 3

QUALITY CONTROL REPORT

WHI11000444.1

		1F30 Ge ppm 0.1	1F30 Hf ppm 0.02	1F30 Nb ppm 0.02	1F30 Rb ppm 0.1	1F30 Sn ppm 0.1	1F30 Ta ppm 0.05	1F30 Zr ppm 0.1	1F30 Y ppm 0.01	1F30 Ce ppm 0.1	1F30 In ppm 0.02	1F30 Re ppb 1	1F30 Be ppm 0.1	1F30 Li ppm 0.1	1F30 Pd ppb 10	1F30 Pt ppb 2
STD OXH82	Standard															
STD OXK79	Standard															
STD OXK79	Standard															
STD OXK79	Standard															
STD OXH82 Expected																
STD OXK79 Expected																
STD DS8 Expected		0.13	0.08	1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339
BLK	Blank															
BLK	Blank															
BLK	Blank															
BLK	Blank															
BLK	Blank															
BLK	Blank															
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank															
BLK	Blank															
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
Prep Wash																
G1	Prep Blank	<0.1	0.09	0.48	37.3	0.8	<0.05	1.1	5.25	19.1	0.04	<1	0.1	26.3	<10	<2
G1	Prep Blank															
G1	Prep Blank	0.1	0.09	0.43	37.1	0.5	<0.05	1.1	5.39	18.7	<0.02	<1	0.5	28.3	<10	<2



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Submitted By: Andrea Langerud

Receiving Lab: Canada-Whitehorse

Received: August 22, 2011

Report Date: October 07, 2011

Page: 1 of 6

CERTIFICATE OF ANALYSIS

WHI11001271.1

CLIENT JOB INFORMATION

Project: 210800
Shipment ID: YTG-013
P.O. Number
Number of Samples: 134

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.

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

CC: Randy Farmer
Rupa Mukherjee

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-1000	134	Crush, split and pulverize 1kg of sample to 200 mesh			VAN
G601	134	Fire Assay fusion Au by ICP-ES	30	Completed	VAN
1F04	134	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS



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



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Project:

210800

Report Date:

October 07, 2011

Page:

2 of 6

Part 1

CERTIFICATE OF ANALYSIS

WHI11001271.1

	Method Analyte Unit MDL	WGHT	G6	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		kg	gm/t	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0.01	0.005	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
1076161	Rock	2.76	<0.005	0.08	31.61	2.41	13.9	41	46.9	8.8	181	0.90	1.5	<0.1	1.5	<0.1	82.7	0.06	0.08	0.04
1076162	Rock	3.00	<0.005	0.05	51.72	1.56	11.8	58	56.2	9.3	162	0.89	1.9	<0.1	1.6	<0.1	74.7	0.08	0.06	0.07
1076163	Rock	3.33	<0.005	0.12	73.22	1.21	7.4	80	26.6	5.8	118	0.67	5.5	<0.1	2.1	<0.1	29.7	0.07	0.18	0.05
1076164	Rock	3.34	<0.005	0.14	184.1	2.30	9.3	302	42.0	15.4	113	1.10	11.5	<0.1	1.7	<0.1	110.0	0.18	0.12	0.07
1076165	Rock	2.82	0.007	7.39	80.60	4.46	56.3	104	19.9	5.3	489	2.72	13.2	1.0	8.8	5.8	8.3	0.07	0.60	0.13
1076166	Rock	1.68	<0.005	5.65	5.15	3.32	5.5	75	2.2	0.9	106	0.81	1.4	0.6	1.0	4.0	5.5	0.03	0.21	0.13
1076167	Rock	2.48	<0.005	0.47	4.43	4.18	19.6	14	2.9	3.9	262	1.70	1.0	5.7	0.5	22.8	12.2	0.07	0.13	0.04
1076168	Rock	2.84	<0.005	0.64	0.51	4.23	15.0	29	15.5	6.0	289	0.97	26.1	<0.1	0.6	<0.1	38.0	0.07	0.31	0.06
1076169	Rock	2.69	<0.005	1.67	161.5	3.85	31.5	947	13.8	9.6	264	2.03	24.6	<0.1	0.6	0.2	12.5	0.19	1.06	0.10
1076170	Rock Pulp	0.06	0.239	158.1	1876	21.60	66.1	2099	16.7	17.0	383	3.97	27.2	4.2	200.1	9.6	73.2	0.92	3.59	2.14
1076171 blank	Rock	N.A.	<0.005	0.15	1.98	3.17	46.9	14	2.5	3.8	611	2.24	0.4	1.8	4.0	6.0	72.9	0.01	0.03	0.07
1076172	Rock	2.45	<0.005	0.74	16.35	4.49	31.4	26	3.4	6.3	337	2.19	1.2	2.3	2.6	17.7	25.0	0.04	0.08	0.03
1076173	Rock	2.64	0.019	0.56	152.5	7.18	18.7	172	1.6	2.7	236	1.45	1.7	6.3	8.2	22.0	12.1	0.08	0.24	2.29
1076174	Rock	1.56	0.005	0.47	4.13	2.04	4.6	46	1.7	0.6	99	0.64	0.7	<0.1	1.7	0.6	2.7	0.04	0.12	0.08
1076175	Rock	2.71	<0.005	5.84	5.02	5.99	22.2	38	1.9	2.8	443	1.59	0.5	2.7	0.8	14.9	40.9	0.04	0.29	0.23
1076176	Rock	2.13	<0.005	0.24	22.53	3.76	33.9	79	4.8	12.8	475	2.28	2.3	0.8	1.8	5.4	85.6	0.15	0.51	0.15
1076177	Rock	4.30	<0.005	5.22	8.47	7.29	23.0	29	2.7	3.4	300	1.78	1.0	4.8	0.7	19.9	15.1	0.04	0.16	0.05
1076178	Rock	2.56	<0.005	31.92	35.21	5.99	25.6	76	2.0	3.2	266	1.54	0.8	5.6	0.7	21.7	9.9	0.03	0.14	0.03
1076179	Rock	2.39	<0.005	7.09	5.41	11.99	21.5	116	2.5	3.1	624	1.53	7.4	2.3	<0.2	19.9	41.3	0.15	0.12	0.40
1076180	Rock	2.13	<0.005	0.82	3.33	5.23	33.7	20	2.4	4.1	330	1.85	0.7	5.5	<0.2	21.8	13.1	0.05	0.09	0.03
1076181	Rock	2.81	<0.005	59.23	272.5	12.87	23.2	1251	3.1	3.9	232	1.60	6.2	4.0	6.8	16.8	16.9	0.42	0.27	7.55
1076182	Rock	2.64	0.007	39.51	247.1	8.87	21.3	986	2.9	3.9	223	1.53	2.7	3.8	37.6	16.1	16.3	0.35	0.27	6.29
1076040	Rock	2.75	<0.005	0.96	2.70	15.27	68.9	99	3.9	6.8	1013	2.68	5.5	3.7	<0.2	12.2	27.8	1.92	0.14	0.19
1076041	Rock	2.66	0.017	23.25	7.28	27.04	50.5	493	3.0	4.3	402	1.91	0.7	5.2	8.7	21.4	15.4	0.89	0.14	2.68
1076042	Rock	2.58	0.133	34.69	9.22	12.62	42.3	266	2.5	4.2	398	1.83	0.7	4.5	140.8	20.3	13.6	0.76	0.13	8.24
1076043	Rock	3.30	0.023	5.60	10.39	26.36	29.7	1686	2.8	4.3	354	1.90	0.9	2.8	15.9	21.4	13.8	0.23	0.20	27.73
1076044	Rock	2.18	<0.005	0.75	5.45	4.27	24.1	66	2.2	3.9	317	1.78	0.6	4.5	3.2	21.9	13.6	0.08	0.08	0.86
1076045	Rock	2.19	0.012	0.39	18.05	9.75	27.5	225	1.9	3.5	309	1.83	0.7	2.7	1.1	15.9	13.3	0.85	0.11	0.78
1076046	Rock	3.39	<0.005	1.07	208.7	5.93	35.3	535	2.5	4.9	395	2.07	2.2	5.7	1.7	22.4	16.6	0.14	0.09	0.13
1076047	Rock	2.19	5.898	8.63	6.93	43.03	3.9	2810	1.6	0.9	120	0.70	1.1	2.1	5971	1.1	1.9	0.22	2.20	360.7



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210800

Report Date:

October 07, 2011

Page:

2 of 6

Part 2

CERTIFICATE OF ANALYSIS

WHI11001271.1

	Method Analyte Unit MDL	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02
1076161	Rock	2.69	0.003	<0.5	188.2	1.12	31.2	0.031	<20	3.53	0.521	0.04	<0.1	5.2	0.03	<0.02	11	0.1	<0.02
1076162	Rock	2.48	0.003	<0.5	172.9	1.13	29.3	0.028	<20	3.21	0.426	0.05	<0.1	4.6	0.03	0.03	7	0.2	<0.02
1076163	Rock	2.60	0.002	<0.5	88.3	0.56	22.8	0.028	<20	3.49	0.317	0.02	0.1	3.4	0.05	<0.02	*	0.2	0.02
1076164	Rock	3.79	0.003	<0.5	53.2	0.49	11.8	0.032	<20	5.90	0.614	0.04	0.1	3.0	0.04	0.22	*	0.5	0.03
1076165	Rock	0.23	0.038	14.0	30.6	0.67	483.4	0.048	<20	1.75	0.023	0.44	0.1	4.2	0.17	0.10	*	0.7	0.05
1076166	Rock	0.13	0.007	2.6	3.9	0.09	28.5	0.014	<20	0.17	0.024	0.04	0.2	0.4	0.04	<0.02	10	0.2	0.02
1076167	Rock	0.29	0.040	20.5	8.6	0.43	269.2	0.144	<20	0.85	0.071	0.49	1.4	1.8	0.45	<0.02	<5	<0.1	<0.02
1076168	Rock	2.54	0.003	0.6	103.4	0.93	31.5	0.031	<20	1.54	0.103	0.06	0.2	2.7	0.04	<0.02	7	0.1	<0.02
1076169	Rock	0.74	0.062	2.1	26.7	0.73	56.0	0.108	<20	0.69	0.161	0.05	0.1	5.1	0.05	0.12	<5	1.2	0.04
1076170	Rock Pulp	1.83	0.072	18.0	65.4	0.86	212.6	0.031	<20	1.56	0.057	0.54	1.6	5.0	0.29	1.77	88	3.3	0.36
1076171 blank	Rock	0.54	0.078	14.9	5.5	0.47	159.0	0.118	<20	0.99	0.114	0.50	<0.1	2.0	0.31	<0.02	10	<0.1	<0.02
1076172	Rock	0.71	0.065	16.4	12.1	0.65	214.1	0.198	<20	1.26	0.093	0.40	0.8	2.0	0.25	<0.02	14	0.3	<0.02
1076173	Rock	0.28	0.025	22.2	3.9	0.24	291.9	0.101	<20	0.65	0.064	0.30	0.4	2.0	0.25	<0.02	10	0.4	0.17
1076174	Rock	0.06	0.001	<0.5	2.7	0.03	6.8	<0.001	<20	0.06	0.009	<0.01	<0.1	0.2	<0.02	<0.02	15	0.1	<0.02
1076175	Rock	0.95	0.034	26.0	4.7	0.34	117.9	0.031	<20	0.65	0.052	0.12	1.7	2.2	0.09	<0.02	<5	0.3	<0.02
1076176	Rock	1.45	0.104	9.6	20.6	1.00	161.4	0.127	<20	1.76	0.187	0.14	0.3	4.8	0.05	<0.02	17	0.3	<0.02
1076177	Rock	0.53	0.038	23.3	7.1	0.38	164.3	0.117	<20	0.83	0.059	0.19	30.1	1.8	0.13	<0.02	19	0.2	<0.02
1076178	Rock	0.31	0.030	21.8	6.0	0.33	212.4	0.120	<20	0.69	0.045	0.26	50.0	1.4	0.23	<0.02	7	0.4	<0.02
1076179	Rock	0.90	0.047	25.1	5.0	0.13	102.9	0.003	<20	0.42	0.084	0.07	0.3	3.7	0.05	<0.02	13	0.4	<0.02
1076180	Rock	0.35	0.039	24.9	7.3	0.40	313.3	0.155	<20	0.79	0.066	0.41	0.2	1.8	0.38	<0.02	8	0.2	<0.02
1076181	Rock	0.52	0.044	19.5	7.3	0.36	212.7	0.127	<20	0.76	0.063	0.30	>100	1.1	0.23	0.03	43	0.5	0.07
1076182	Rock	0.51	0.045	18.9	7.2	0.40	214.4	0.139	<20	0.76	0.057	0.29	>100	1.1	0.24	0.03	47	0.6	0.05
1076040	Rock	1.51	0.071	21.2	7.8	0.43	81.1	0.002	<20	0.88	0.037	0.19	1.0	4.2	0.14	<0.02	11	0.2	<0.02
1076041	Rock	0.36	0.039	24.9	7.6	0.42	300.5	0.156	<20	0.88	0.079	0.40	8.1	1.8	0.36	<0.02	10	<0.1	0.08
1076042	Rock	0.38	0.039	24.6	7.6	0.42	275.8	0.153	<20	0.88	0.065	0.39	87.9	1.7	0.36	<0.02	18	0.4	0.32
1076043	Rock	0.49	0.041	24.9	7.1	0.43	238.5	0.137	<20	0.92	0.060	0.30	21.0	1.9	0.28	<0.02	15	0.3	0.75
1076044	Rock	0.30	0.039	22.1	6.9	0.38	321.1	0.158	<20	0.82	0.072	0.47	16.3	1.5	0.44	<0.02	<5	0.2	<0.02
1076045	Rock	0.33	0.036	23.1	5.4	0.37	301.0	0.136	<20	0.84	0.072	0.34	1.8	1.6	0.30	<0.02	8	0.2	0.04
1076046	Rock	0.52	0.042	26.7	7.8	0.45	221.8	0.133	<20	0.91	0.061	0.28	15.7	1.9	0.25	0.03	20	0.6	<0.02
1076047	Rock	0.07	0.005	1.7	2.4	0.04	11.0	0.006	<20	0.10	0.007	0.01	71.6	0.3	<0.02	<0.02	8	1.2	18.84



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Project: 210800
Report Date: October 07, 2011

Page: 2 of 6 Part 3

CERTIFICATE OF ANALYSIS

WHI11001271.1

	Method Analyte Unit MDL	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10
1076161	Rock	<0.1	<0.02	<0.02	1.8	0.2	<0.05	0.4	1.50	0.3	<0.02	<1	<0.1	9.1	<10
1076162	Rock	<0.1	<0.02	<0.02	2.0	0.1	<0.05	0.2	1.45	0.2	<0.02	<1	<0.1	10.8	<10
1076163	Rock	<0.1	<0.02	<0.02	1.3	<0.1	<0.05	0.5	1.59	0.3	<0.02	<1	<0.1	3.7	<10
1076164	Rock	<0.1	<0.02	<0.02	2.1	<0.1	<0.05	0.3	1.93	0.3	<0.02	1	<0.1	3.6	<10
1076165	Rock	<0.1	<0.02	0.14	28.8	0.3	<0.05	0.6	5.34	29.2	0.03	2	0.6	21.6	<10
1076166	Rock	<0.1	0.04	0.26	4.1	0.4	<0.05	1.2	1.48	4.9	<0.02	<1	<0.1	2.1	<10
1076167	Rock	0.1	0.16	0.40	57.0	1.0	<0.05	4.6	6.23	38.8	<0.02	<1	0.4	16.6	<10
1076168	Rock	<0.1	<0.02	<0.02	4.7	0.7	<0.05	0.7	1.73	1.2	<0.02	<1	0.2	5.7	<10
1076169	Rock	0.1	0.11	<0.02	2.1	0.3	<0.05	2.7	5.15	4.7	<0.02	1	<0.1	2.7	<10
1076170	Rock Pulp	<0.1	0.07	0.02	35.2	1.8	<0.05	2.9	10.65	33.4	0.06	43	0.4	7.9	<10
1076171 blank	Rock	0.1	0.07	0.48	45.2	0.6	<0.05	1.1	6.06	27.3	<0.02	<1	0.4	31.5	<10
1076172	Rock	<0.1	0.11	0.21	37.5	0.5	<0.05	4.7	5.98	28.4	<0.02	<1	0.4	21.3	<10
1076173	Rock	<0.1	0.39	0.50	28.6	2.2	<0.05	11.5	10.38	40.6	<0.02	<1	0.3	11.4	<10
1076174	Rock	<0.1	<0.02	0.04	0.9	0.4	<0.05	0.7	0.40	0.9	<0.02	2	<0.1	0.8	<10
1076175	Rock	0.1	0.15	0.11	10.2	2.1	<0.05	4.7	7.24	45.1	<0.02	<1	0.5	9.2	<10
1076176	Rock	0.1	0.21	0.12	7.8	0.8	<0.05	9.7	7.13	20.1	0.02	<1	0.4	6.3	<10
1076177	Rock	0.1	0.15	0.48	16.7	1.5	<0.05	3.2	6.90	40.5	<0.02	<1	0.4	14.7	<10
1076178	Rock	0.1	0.12	0.53	27.7	1.4	<0.05	3.4	6.16	40.6	<0.02	3	0.2	16.9	<10
1076179	Rock	<0.1	0.25	0.02	5.7	0.6	<0.05	9.4	9.30	43.1	0.03	<1	0.3	4.6	<10
1076180	Rock	0.1	0.07	0.45	45.2	1.5	<0.05	2.1	6.20	45.3	<0.02	<1	0.3	25.5	<10
1076181	Rock	<0.1	0.11	0.96	28.9	2.2	<0.05	2.7	4.61	34.6	<0.02	1	0.2	19.5	<10
1076182	Rock	<0.1	0.11	1.24	29.1	2.1	<0.05	3.0	4.81	33.5	<0.02	1	0.2	19.4	<10
1076040	Rock	<0.1	0.08	<0.02	17.5	1.1	<0.05	3.2	9.22	37.1	<0.02	<1	0.4	12.5	<10
1076041	Rock	<0.1	0.11	0.41	41.8	1.5	<0.05	3.7	6.63	46.2	<0.02	1	0.4	10.9	<10
1076042	Rock	0.1	0.13	0.46	39.9	1.3	<0.05	3.5	6.17	43.0	<0.02	2	0.1	9.6	<10
1076043	Rock	0.1	0.16	0.37	31.2	1.7	<0.05	5.1	6.19	46.2	<0.02	<1	0.5	14.4	<10
1076044	Rock	<0.1	0.11	0.43	50.3	1.5	<0.05	3.0	5.70	42.2	<0.02	<1	0.1	17.4	<10
1076045	Rock	<0.1	0.06	0.38	33.2	1.5	<0.05	1.8	6.58	43.8	<0.02	<1	0.2	10.5	<10
1076046	Rock	<0.1	0.12	0.34	27.7	1.6	<0.05	3.2	7.21	47.0	<0.02	<1	0.5	23.5	<10
1076047	Rock	<0.1	<0.02	0.06	1.5	1.0	<0.05	0.3	1.73	2.9	<0.02	<1	0.1	1.3	<10



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October 07, 2011

Page:

3 of 6

Part 1

CERTIFICATE OF ANALYSIS

WHI11001271.1

	Method Analyte Unit MDL	WGHT	G6	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		kg	gm/t	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0.01	0.005	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
1076048	Rock	3.31	0.215	0.65	161.8	8.45	24.2	508	2.3	4.1	289	1.87	1.1	5.7	70.1	19.7	16.1	0.17	0.17	19.35
1076049	Rock	2.88	0.009	0.88	5.46	74.70	47.2	1608	2.3	4.0	556	2.01	9.0	4.1	2.0	18.4	29.0	0.71	0.12	3.53
1076050	Rock Pulp	0.06	0.173	147.9	1671	20.41	62.5	1984	16.6	17.3	358	3.76	26.2	4.0	235.2	9.4	65.1	0.81	3.55	2.26
1076451	Rock	3.78	0.133	0.92	87.35	8.01	22.5	317	2.2	3.0	282	1.58	0.6	4.8	91.2	17.0	11.1	0.20	0.19	11.53
1076452	Rock	2.96	0.070	4.92	76.75	3.44	20.9	199	2.2	3.4	261	1.81	0.9	6.1	28.0	16.7	12.3	0.07	0.14	4.21
1076453	Rock	5.00	0.590	10.39	54.04	3.31	25.6	166	1.9	3.5	318	1.84	0.6	3.9	870.6	14.7	14.9	0.06	0.16	22.57
1076454	Rock	3.63	0.013	3.44	25.72	6.48	18.2	361	1.6	2.7	259	1.56	0.8	5.4	5.9	18.1	16.2	0.07	0.28	1.31
1076455	Rock	2.63	0.029	2.59	315.1	12.07	18.5	1259	1.3	2.7	203	1.69	1.0	3.9	13.8	20.1	13.4	0.26	0.20	14.81
1076456	Rock	3.49	<0.005	0.19	35.11	4.49	13.7	118	7.4	13.0	107	1.26	2.4	0.7	0.5	1.1	194.4	0.07	0.30	0.05
1076457	Rock	2.58	<0.005	0.17	46.44	0.60	17.3	24	21.3	10.2	241	1.48	2.5	0.2	<0.2	1.1	16.1	0.03	0.06	<0.02
1076458	Rock	3.13	0.006	1.38	33.78	6.68	49.0	215	22.3	5.0	118	1.76	22.8	0.9	1.8	4.9	13.3	0.20	0.19	0.23
1076459	Rock	2.55	<0.005	0.81	5.92	5.10	48.1	48	2.3	6.1	495	2.49	1.3	3.7	11.0	13.9	42.5	0.10	0.14	1.03
1076460	Rock	3.32	0.032	3.74	357.1	7.70	31.1	1345	2.6	8.1	321	2.70	2.8	4.4	42.3	18.8	14.5	0.22	0.30	30.32
1076461	Rock	2.79	<0.005	0.53	13.80	4.30	22.4	68	2.8	4.5	299	1.72	1.0	5.7	0.4	24.1	13.2	0.12	0.15	0.28
1076462	Rock	2.43	<0.005	0.85	24.03	4.29	22.1	76	2.8	4.4	275	1.62	0.9	5.8	<0.2	23.7	11.6	0.11	0.14	0.27
1076463	Rock	2.90	0.010	176.6	7.15	4.64	25.8	30	2.6	4.7	331	1.81	1.0	4.7	0.7	22.0	13.6	<0.01	0.11	0.67
1076464	Rock	2.93	<0.005	0.62	11.34	4.00	23.5	36	2.6	4.2	293	1.78	0.9	7.5	<0.2	23.6	13.1	0.03	0.12	0.09
1076465	Rock	3.33	<0.005	4.74	5.58	4.33	14.3	24	1.9	2.4	179	1.10	0.6	6.1	<0.2	27.0	7.1	0.07	0.09	0.03
1076466	Rock	2.70	<0.005	21.67	17.22	7.04	31.8	74	2.6	5.0	419	1.99	0.9	7.3	<0.2	23.6	19.5	0.16	0.10	0.06
1076467	Rock	3.16	<0.005	1.51	2.84	3.17	24.5	12	2.2	4.6	331	1.80	0.6	7.0	<0.2	23.9	12.9	0.03	0.09	0.02
1076468	Rock	3.89	0.005	1.16	305.9	10.49	28.6	1633	2.7	4.7	306	1.92	1.8	9.3	1.6	22.5	12.0	0.44	0.20	2.36
1076469	Rock	3.06	<0.005	0.29	3.21	5.46	29.6	20	2.6	4.6	421	1.93	0.7	3.6	<0.2	24.1	17.3	0.05	0.11	0.06
1076470	Rock Pulp	0.05	0.212	152.9	1821	21.84	65.0	1972	16.9	17.6	371	3.81	26.8	4.0	271.3	9.6	69.9	0.94	3.89	2.27
1076471 blank	Rock	N.A.	<0.005	0.27	3.40	3.12	45.8	12	3.3	4.2	629	2.23	0.3	1.7	<0.2	6.0	70.5	<0.01	0.03	0.08
1076472	Rock	2.56	<0.005	0.65	5.12	4.24	32.6	18	3.2	6.7	360	2.13	0.8	2.3	2.0	23.4	21.5	0.04	0.13	0.03
1076473	Rock	3.13	<0.005	1.51	5.56	24.67	60.3	193	4.0	7.0	490	2.30	0.7	1.7	3.5	19.9	23.5	0.72	0.19	0.85
1076474	Rock	3.36	<0.005	1.04	33.88	365.4	548.3	1525	4.3	8.5	1372	3.00	0.7	5.3	0.7	21.4	34.6	21.26	0.47	0.09
1076475	Rock	2.87	<0.005	0.35	3.00	7.81	6.4	23	1.1	1.0	85	0.81	1.0	10.9	<0.2	29.0	5.2	0.06	0.17	0.04
1076476	Rock	2.53	0.008	0.38	3.53	3.73	34.7	18	3.2	7.0	369	2.18	0.8	4.5	0.5	19.7	20.1	0.04	0.15	0.02
1076477	Rock	2.66	0.007	0.66	4.49	4.83	30.7	26	3.2	5.6	352	1.95	0.6	4.3	0.4	19.3	20.2	0.06	0.14	0.02



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Project: 210800
Report Date: October 07, 2011

Page: 3 of 6 Part 2

CERTIFICATE OF ANALYSIS

WHI11001271.1

	Method Analyte Unit MDL	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1076048	Rock	0.39	0.037	26.6	7.2	0.42	208.7	0.126	<20	0.81	0.061	0.27	17.6	2.1	0.24	<0.02	9	0.3	0.45	4.5	2.80
1076049	Rock	0.93	0.036	22.7	6.2	0.37	124.1	0.031	<20	0.81	0.052	0.16	<0.1	2.8	0.11	<0.02	8	0.4	0.04	4.9	1.46
1076050	Rock Pulp	1.74	0.068	16.7	62.2	0.79	215.6	0.030	<20	1.39	0.058	0.52	1.6	4.6	0.29	1.67	91	2.8	0.30	4.5	1.80
1076451	Rock	0.30	0.031	18.9	4.5	0.31	294.8	0.111	<20	0.80	0.048	0.28	61.0	1.5	0.24	<0.02	<5	<0.1	0.36	4.3	2.48
1076452	Rock	0.24	0.039	18.5	5.4	0.39	339.6	0.134	<20	0.82	0.058	0.43	37.6	1.8	0.43	<0.02	<5	0.2	0.13	4.4	5.08
1076453	Rock	0.25	0.037	26.3	5.5	0.38	399.3	0.155	<20	0.86	0.072	0.51	44.2	1.9	0.51	<0.02	6	<0.1	1.06	4.4	6.07
1076454	Rock	0.34	0.030	25.3	3.1	0.26	386.0	0.110	<20	0.75	0.058	0.30	>100	1.3	0.25	<0.02	<5	<0.1	0.05	3.8	3.01
1076455	Rock	0.36	0.033	22.4	3.3	0.31	396.4	0.131	<20	0.84	0.047	0.31	79.0	1.8	0.28	0.02	<5	0.3	0.17	4.6	4.30
1076456	Rock	3.94	0.026	4.3	26.6	0.30	1785	0.101	<20	5.85	0.516	0.16	0.5	4.4	0.05	0.20	<5	0.6	0.03	11.1	0.32
1076457	Rock	1.28	0.014	3.2	53.7	0.85	29.9	0.101	<20	1.35	0.149	0.08	0.4	4.6	<0.02	<0.02	<5	0.1	<0.02	3.8	0.56
1076458	Rock	0.10	0.044	14.0	27.0	0.29	136.3	0.027	<20	1.15	0.011	0.30	0.3	1.6	0.14	<0.02	<5	0.6	0.07	3.4	1.47
1076459	Rock	0.73	0.067	19.0	7.0	0.58	354.5	0.175	<20	1.16	0.077	0.46	1.3	2.8	0.42	<0.02	<5	<0.1	0.03	5.6	4.56
1076460	Rock	0.54	0.041	18.0	10.3	0.56	183.2	0.142	<20	1.16	0.041	0.30	>100	3.1	0.34	<0.02	<5	0.6	0.16	6.0	4.90
1076461	Rock	0.48	0.043	21.6	8.9	0.42	248.6	0.164	<20	0.87	0.061	0.35	4.5	1.5	0.27	<0.02	<5	<0.1	<0.02	4.1	2.33
1076462	Rock	0.44	0.041	21.2	7.9	0.40	212.2	0.154	<20	0.84	0.051	0.31	5.4	1.2	0.25	<0.02	<5	<0.1	<0.02	4.2	2.30
1076463	Rock	0.48	0.044	20.9	9.4	0.43	244.6	0.168	<20	0.88	0.065	0.35	0.6	1.6	0.27	<0.02	<5	0.2	<0.02	4.4	2.49
1076464	Rock	0.40	0.044	20.8	8.9	0.41	263.5	0.164	<20	0.84	0.071	0.40	0.8	1.4	0.30	<0.02	<5	0.2	<0.02	4.0	2.74
1076465	Rock	0.17	0.018	17.4	4.6	0.23	130.5	0.080	<20	0.50	0.051	0.23	7.1	1.0	0.16	<0.02	<5	<0.1	<0.02	2.4	1.78
1076466	Rock	0.53	0.040	22.8	9.4	0.49	233.0	0.104	<20	0.88	0.059	0.34	0.4	3.1	0.26	<0.02	<5	<0.1	<0.02	4.4	2.75
1076467	Rock	0.31	0.039	23.0	8.1	0.41	281.3	0.149	<20	0.78	0.070	0.44	0.4	1.8	0.37	<0.02	<5	<0.1	<0.02	3.8	3.51
1076468	Rock	0.38	0.041	20.7	8.5	0.45	138.6	0.121	<20	0.85	0.053	0.22	9.0	2.2	0.16	0.04	<5	0.2	<0.02	4.5	1.89
1076469	Rock	0.45	0.037	23.6	8.7	0.44	128.3	0.142	<20	0.86	0.064	0.18	0.1	2.2	0.12	<0.02	<5	<0.1	<0.02	4.4	1.27
1076470	Rock Pulp	1.83	0.074	17.2	60.0	0.82	266.6	0.032	<20	1.46	0.052	0.52	1.8	5.2	0.28	1.78	88	2.7	0.31	4.6	1.81
1076471 blank	Rock	0.56	0.084	14.2	5.9	0.53	178.7	0.127	<20	1.05	0.114	0.49	0.3	2.0	0.30	<0.02	<5	<0.1	<0.02	5.2	2.96
1076472	Rock	0.49	0.063	22.7	11.4	0.58	396.9	0.206	<20	1.04	0.097	0.50	1.2	2.3	0.42	<0.02	<5	<0.1	<0.02	4.5	3.17
1076473	Rock	0.77	0.078	21.7	11.9	0.62	285.1	0.173	<20	1.11	0.075	0.32	6.5	2.6	0.25	<0.02	<5	<0.1	<0.02	4.8	2.05
1076474	Rock	1.38	0.063	23.4	16.2	0.93	296.4	0.132	<20	1.39	0.057	0.44	0.6	6.3	0.51	<0.02	<5	0.2	0.03	6.7	6.48
1076475	Rock	0.06	0.005	16.2	1.6	0.05	29.3	0.021	<20	0.22	0.043	0.12	0.6	0.6	0.05	<0.02	<5	<0.1	<0.02	1.2	0.50
1076476	Rock	0.42	0.067	22.2	12.6	0.65	463.8	0.223	<20	1.04	0.087	0.59	0.5	2.6	0.50	<0.02	<5	<0.1	<0.02	4.5	3.24
1076477	Rock	0.44	0.054	17.8	10.0	0.48	365.0	0.180	<20	0.88	0.083	0.47	1.0	2.1	0.39	<0.02	<5	<0.1	<0.02	4.0	2.93



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Project: 210800
Report Date: October 07, 2011

Page: 3 of 6 **Part** 3

CERTIFICATE OF ANALYSIS

WHI11001271.1

	Method Analyte Unit MDL	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10
1076048	Rock	0.1	0.08	0.31	28.8	2.5	<0.05	2.1	6.92	46.4	<0.02	<1	0.1	13.7	<10
1076049	Rock	<0.1	0.11	0.11	12.8	0.9	<0.05	3.0	7.00	41.1	<0.02	<1	0.4	11.1	<10
1076050	Rock Pulp	<0.1	0.08	0.03	31.9	1.6	<0.05	2.9	9.56	30.9	0.05	38	0.2	8.2	<10
1076451	Rock	0.1	0.14	0.44	28.8	1.7	<0.05	2.7	7.61	37.6	0.02	<1	0.3	9.0	<10
1076452	Rock	<0.1	0.21	0.32	50.5	1.6	<0.05	3.8	6.44	38.2	<0.02	<1	0.3	17.3	<10
1076453	Rock	<0.1	0.08	0.39	56.5	1.4	<0.05	2.0	6.19	45.3	<0.02	<1	0.1	22.7	<10
1076454	Rock	<0.1	0.09	0.51	28.9	1.3	<0.05	1.9	7.94	44.5	<0.02	<1	0.2	10.1	<10
1076455	Rock	0.2	0.04	0.68	31.2	2.1	<0.05	1.3	8.34	37.6	0.02	<1	0.3	16.1	<10
1076456	Rock	<0.1	0.02	0.04	4.5	0.2	<0.05	0.2	4.72	8.2	<0.02	<1	0.2	12.0	<10
1076457	Rock	<0.1	0.02	0.03	3.9	0.1	<0.05	1.4	2.89	5.7	<0.02	<1	<0.1	13.1	<10
1076458	Rock	<0.1	0.05	0.13	25.3	0.5	<0.05	2.1	3.96	27.1	<0.02	<1	0.6	14.3	<10
1076459	Rock	<0.1	0.09	0.23	44.3	1.1	<0.05	1.8	7.46	36.4	0.02	<1	0.3	19.5	<10
1076460	Rock	0.2	0.06	0.47	36.6	3.4	<0.05	1.1	6.11	33.3	<0.02	<1	0.4	19.9	<10
1076461	Rock	0.1	0.08	0.39	36.5	1.2	<0.05	1.7	5.04	38.2	<0.02	<1	0.5	16.2	<10
1076462	Rock	0.2	0.08	0.46	35.0	1.3	<0.05	1.8	4.89	37.4	<0.02	<1	0.2	15.3	<10
1076463	Rock	<0.1	0.09	0.32	36.0	1.2	<0.05	1.8	5.21	36.3	<0.02	10	0.6	20.1	<10
1076464	Rock	<0.1	0.12	0.38	42.3	1.2	<0.05	2.2	5.14	37.3	<0.02	<1	0.4	15.3	<10
1076465	Rock	<0.1	0.13	0.31	22.8	0.6	<0.05	4.1	4.03	31.4	<0.02	<1	0.2	8.7	<10
1076466	Rock	0.1	0.05	0.16	34.9	1.3	<0.05	1.2	9.49	39.3	<0.02	11	0.5	14.1	<10
1076467	Rock	<0.1	0.09	0.32	47.0	1.0	<0.05	2.2	6.13	39.7	<0.02	<1	0.1	21.3	<10
1076468	Rock	<0.1	0.12	0.35	20.8	2.0	<0.05	2.4	7.33	36.7	0.03	<1	0.3	13.8	<10
1076469	Rock	0.1	0.22	0.37	15.6	1.2	<0.05	5.4	7.76	41.6	<0.02	<1	0.2	19.0	<10
1076470	Rock Pulp	<0.1	0.08	0.03	32.1	1.7	<0.05	2.9	10.09	31.5	0.05	44	0.2	7.6	<10
1076471 blank	Rock	<0.1	0.08	0.55	44.4	0.7	<0.05	1.3	5.82	26.2	<0.02	<1	0.2	31.3	<10
1076472	Rock	0.1	0.08	0.31	51.4	1.0	<0.05	1.9	5.96	38.9	<0.02	<1	0.2	21.7	<10
1076473	Rock	0.1	0.07	0.28	28.5	1.7	<0.05	2.2	6.10	37.1	<0.02	<1	0.5	17.3	<10
1076474	Rock	0.1	0.06	0.11	46.2	1.4	<0.05	1.6	9.29	39.7	0.02	<1	0.3	17.7	<10
1076475	Rock	<0.1	0.19	1.57	7.4	0.3	<0.05	4.4	6.71	29.2	<0.02	<1	0.2	3.1	<10
1076476	Rock	<0.1	0.08	0.31	55.6	1.1	<0.05	1.4	5.86	35.3	<0.02	<1	0.2	24.7	<10
1076477	Rock	<0.1	0.10	0.28	45.2	0.9	<0.05	1.8	5.38	31.6	<0.02	<1	0.2	19.2	<10



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Report Date: October 07, 2011

Page: 4 of 6 Part 1

CERTIFICATE OF ANALYSIS

WHI11001271.1

	Method Analyte Unit MDL	WGHT	G6	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		kg	gm/t	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0.01	0.005	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
1076478	Rock	2.77	0.118	79.71	211.0	2118	652.8	28395	1.9	4.1	378	1.22	8.7	2.4	90.5	4.3	25.1	12.13	0.54	60.49
1076479	Rock	3.09	0.047	3.55	7.51	51.92	34.4	1101	2.4	4.2	361	1.81	3.7	5.9	102.4	22.7	11.9	0.28	0.11	11.73
1076480	Rock	3.66	0.006	1.10	85.23	56.20	124.5	1821	2.7	3.4	255	1.76	3.9	5.1	4.1	28.0	12.5	7.97	0.11	1.76
1076481	Rock	3.10	<0.005	0.42	3.57	4.62	31.5	18	3.2	4.9	392	1.94	0.8	5.6	1.0	23.3	15.0	0.05	0.10	0.12
1076482	Rock	3.05	<0.005	0.42	3.20	5.27	30.6	20	2.9	4.8	358	1.76	0.8	5.9	0.2	22.9	17.7	0.05	0.11	0.08
1076483	Rock	3.03	0.014	0.85	37.02	8.81	37.3	171	2.8	4.1	371	1.80	1.1	3.4	1.7	21.6	14.4	0.16	0.17	5.58
1076484	Rock	3.57	<0.005	0.09	22.07	2.07	46.1	15	52.2	15.7	261	4.15	12.6	1.7	1.3	16.8	8.8	0.03	0.10	0.12
1076485	Rock	2.04	<0.005	0.12	4.89	4.53	5.9	12	5.9	2.2	110	0.64	1.1	0.2	<0.2	4.8	9.2	0.02	0.16	0.09
1076486	Rock	2.53	<0.005	0.52	6.29	2.36	10.3	47	2.2	0.6	124	0.69	1.6	<0.1	1.1	0.3	0.8	0.18	1.08	0.04
1076487	Rock	3.28	<0.005	0.18	6.27	4.26	20.4	28	16.2	5.4	163	2.07	3.4	1.4	1.8	18.4	5.1	0.02	0.20	0.11
1076488	Rock	3.21	0.012	1.08	65.51	2.04	21.6	82	12.2	6.7	228	2.78	0.6	2.3	1.8	13.6	17.6	0.03	0.09	0.07
1076489	Rock	3.90	0.008	1.51	64.72	1.24	20.3	65	15.1	19.8	205	3.39	8.2	2.4	3.4	10.7	58.8	0.03	0.12	0.07
1076490	Rock Pulp	0.08	0.089	8.08	388.9	132.1	620.1	250	447.6	58.5	384	7.90	108.8	2.2	67.5	11.6	28.3	0.16	2.51	0.36
1076491 blank	Rock	N.A.	<0.005	0.28	3.95	3.41	45.5	14	2.6	3.8	594	2.18	0.2	1.6	3.6	6.0	74.4	0.01	0.04	0.06
1076492	Rock	3.67	0.017	1.40	85.87	3.42	60.3	160	36.5	10.9	612	3.69	6.1	1.4	9.5	6.0	11.5	0.04	0.21	0.26
1076493	Rock	3.41	<0.005	0.29	26.45	2.86	28.4	63	22.1	9.1	172	2.66	27.0	1.3	2.3	13.3	6.5	0.02	0.11	0.05
1076494	Rock	4.07	0.048	0.74	40.11	5.65	38.8	204	17.5	10.0	257	2.87	17.0	0.7	96.8	6.8	10.3	0.11	0.46	0.33
1076495	Rock	3.92	<0.005	2.73	49.70	1.42	6.5	56	21.7	9.5	95	1.99	2.8	1.0	9.5	4.9	44.2	0.02	0.35	0.07
1076496	Rock	4.41	0.013	0.24	65.33	1.49	18.1	58	45.1	28.6	235	3.18	15.8	0.1	14.0	0.1	168.8	0.03	0.32	0.15
1076497	Rock	3.05	0.009	1.29	142.2	2.01	11.3	222	35.6	30.1	168	4.28	2.2	0.4	8.4	1.1	46.2	0.05	0.36	0.15
1076498	Rock	3.02	<0.005	0.43	24.62	2.86	16.5	16	15.5	6.8	181	2.15	29.9	0.9	3.1	10.5	6.4	0.04	0.31	0.03
1076499	Rock	3.38	<0.005	0.43	21.46	1.33	10.6	39	9.4	4.1	517	1.05	4.3	<0.1	1.6	0.8	4.6	0.04	0.21	0.07
1076500	Rock	3.50	<0.005	0.26	4.38	1.76	10.5	12	2.3	0.9	182	0.56	1.8	0.3	0.6	3.1	73.8	0.06	0.13	0.03
1082001	Rock	3.26	<0.005	0.25	11.02	3.41	49.5	59	2.5	10.1	277	2.99	1.4	0.3	0.3	4.5	82.8	0.05	0.12	0.05
1082002	Rock	4.23	0.008	0.58	10.07	1.35	13.8	12	13.9	8.4	167	1.49	2.9	1.3	6.5	8.9	52.1	0.04	0.34	0.05
1082003	Rock	2.84	0.008	0.73	13.14	3.47	49.7	31	3.0	10.4	287	2.98	3.7	0.6	5.8	4.5	71.4	0.05	0.18	0.07
1082004	Rock	2.35	0.006	2.20	11.87	3.47	46.9	40	3.0	10.4	289	3.01	4.0	0.7	3.8	4.5	75.2	0.05	0.20	0.12
1082005	Rock	3.23	<0.005	1.80	13.38	1.66	2.5	23	2.1	0.5	64	0.72	2.2	0.4	3.6	6.2	4.0	<0.01	0.08	0.07
1082006	Rock	3.05	0.005	0.50	27.58	1.99	10.3	114	6.5	1.4	368	0.98	10.5	0.3	3.2	0.7	9.8	0.03	0.95	0.12
1082007	Rock	3.47	0.010	0.51	36.34	8.27	14.3	203	3.5	0.6	126	1.44	11.4	0.3	3.2	1.0	21.1	0.02	0.55	0.08



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210800

Report Date:

October 07, 2011

Page:

4 of 6

Part 2

CERTIFICATE OF ANALYSIS

WHI11001271.1

	Method Analyte Unit MDL	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02
1076478	Rock	0.82	0.020	4.7	3.7	0.11	29.6	0.003	<20	0.24	0.024	0.03	63.3	1.5	0.02	0.17	22	1.1	0.67
1076479	Rock	0.45	0.039	23.8	7.9	0.42	149.6	0.116	<20	0.80	0.051	0.20	0.8	1.9	0.15	<0.02	<5	0.2	0.19
1076480	Rock	0.21	0.026	20.2	5.1	0.25	143.6	0.037	<20	0.68	0.050	0.23	3.3	2.2	0.20	<0.02	<5	<0.1	0.05
1076481	Rock	0.35	0.040	19.9	8.7	0.44	272.3	0.144	<20	0.85	0.071	0.36	0.5	2.2	0.30	<0.02	<5	<0.1	<0.02
1076482	Rock	0.36	0.037	19.7	7.8	0.42	252.1	0.142	<20	0.88	0.096	0.35	0.9	2.1	0.27	<0.02	<5	<0.1	<0.02
1076483	Rock	0.37	0.034	24.7	6.5	0.38	249.6	0.138	<20	0.88	0.065	0.36	17.3	2.0	0.33	<0.02	<5	<0.1	0.12
1076484	Rock	0.22	0.055	33.5	86.0	1.53	158.9	0.152	<20	3.22	0.052	1.65	0.2	7.0	0.80	<0.02	5	0.2	0.02
1076485	Rock	0.33	0.041	4.2	5.4	0.16	24.9	0.003	<20	0.50	0.083	0.07	0.2	0.6	0.05	<0.02	<5	0.1	<0.02
1076486	Rock	<0.01	<0.001	0.8	2.8	<0.01	7.5	<0.001	<20	0.03	0.002	0.01	<0.1	<0.1	<0.02	<0.02	9	<0.1	<0.02
1076487	Rock	0.18	0.069	37.7	25.5	0.61	59.7	0.040	<20	1.27	0.046	0.38	0.1	2.2	0.19	<0.02	7	<0.1	<0.02
1076488	Rock	0.05	0.026	29.8	22.8	0.62	96.7	0.038	<20	1.47	0.030	0.44	<0.1	1.3	0.26	0.10	<5	1.1	0.02
1076489	Rock	0.82	0.078	15.4	39.8	1.08	354.5	0.248	<20	2.05	0.204	0.55	0.2	4.0	0.26	0.43	<5	0.2	<0.02
1076490	Rock Pulp	0.52	0.033	33.4	480.8	0.30	107.5	0.008	<20	1.63	0.052	0.30	9.6	6.6	0.27	<0.02	34	0.5	<0.02
1076491 blank	Rock	0.55	0.078	15.3	4.2	0.49	173.0	0.120	<20	1.03	0.116	0.48	<0.1	2.1	0.29	<0.02	9	<0.1	<0.02
1076492	Rock	0.34	0.109	13.9	50.7	0.85	198.1	0.067	<20	2.05	0.029	0.72	0.2	4.0	0.29	0.17	<5	1.4	0.06
1076493	Rock	0.11	0.035	30.8	35.6	0.80	127.1	0.069	<20	1.76	0.042	0.69	<0.1	4.0	0.33	<0.02	<5	0.4	0.04
1076494	Rock	0.39	0.066	19.6	24.1	0.57	94.2	0.131	<20	1.37	0.059	0.38	0.2	2.5	0.19	0.34	<5	1.1	0.07
1076495	Rock	1.04	0.069	11.9	22.3	0.30	34.4	0.119	<20	1.19	0.112	0.04	0.9	1.6	<0.02	0.53	5	1.2	0.07
1076496	Rock	3.24	0.043	2.3	149.3	1.13	145.8	0.300	<20	5.03	0.514	0.22	0.4	5.5	0.07	0.51	<5	0.6	0.09
1076497	Rock	1.55	0.081	4.5	20.0	0.58	106.2	0.214	<20	2.04	0.194	0.06	0.3	2.7	0.02	1.77	<5	6.0	0.12
1076498	Rock	0.11	0.026	20.4	28.1	0.54	82.4	0.054	<20	1.28	0.035	0.39	0.1	3.0	0.20	<0.02	10	<0.1	<0.02
1076499	Rock	0.09	0.007	2.1	8.8	0.39	34.5	0.008	<20	0.49	0.009	0.05	0.1	1.2	0.03	<0.02	<5	0.2	<0.02
1076500	Rock	3.57	0.006	5.2	5.9	0.16	42.0	0.016	<20	0.60	0.035	0.05	<0.1	0.5	<0.02	<0.02	<5	0.2	<0.02
1082001	Rock	1.12	0.070	6.8	16.2	0.89	630.9	0.222	<20	2.62	0.322	0.90	0.1	3.3	0.25	<0.02	8	<0.1	<0.02
1082002	Rock	0.75	0.057	11.1	53.1	0.59	178.1	0.154	<20	1.34	0.171	0.36	0.3	1.7	0.13	<0.02	<5	0.1	<0.02
1082003	Rock	1.23	0.072	6.5	17.8	0.91	467.3	0.236	<20	2.46	0.277	0.80	0.2	3.6	0.20	<0.02	5	0.2	<0.02
1082004	Rock	1.28	0.073	7.0	18.6	0.92	472.6	0.231	<20	2.58	0.296	0.79	0.2	4.2	0.19	<0.02	<5	0.1	<0.02
1082005	Rock	0.01	0.011	15.0	2.9	0.02	22.9	0.002	<20	0.20	0.003	0.10	<0.1	0.2	0.07	<0.02	<5	<0.1	<0.02
1082006	Rock	0.07	0.017	4.8	15.3	0.21	188.9	0.026	<20	0.42	0.004	0.08	0.2	1.0	0.04	0.04	8	0.6	0.08
1082007	Rock	0.06	0.045	7.8	21.7	0.24	1283	0.005	<20	0.46	0.005	0.14	<0.1	1.2	0.04	0.12	11	1.2	0.05



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Project: 210800
Report Date: October 07, 2011

Page: 4 of 6 **Part** 3

CERTIFICATE OF ANALYSIS

WHI11001271.1

	Method Analyte Unit MDL	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd
		ppm 0.1	ppm 0.02	ppm 0.02	ppm 0.1	ppm 0.1	ppm 0.05	ppm 0.1	ppm 0.01	ppm 0.1	ppm 0.02	ppb 1	ppm 0.1	ppm 0.1	ppb 10
1076478	Rock	<0.1	0.04	0.06	2.1	0.4	<0.05	1.2	2.49	7.2	0.23	<1	0.2	3.2	<10
1076479	Rock	<0.1	0.16	0.26	20.3	1.1	<0.05	4.0	6.53	40.0	<0.02	<1	0.3	16.4	<10
1076480	Rock	<0.1	0.21	0.10	22.5	0.6	<0.05	6.6	5.65	33.8	<0.02	<1	0.3	10.2	<10
1076481	Rock	<0.1	0.13	0.28	36.6	1.2	<0.05	3.4	6.65	36.6	<0.02	<1	0.2	20.9	<10
1076482	Rock	<0.1	0.15	0.30	33.2	1.1	<0.05	3.6	6.69	35.2	<0.02	<1	0.4	16.3	<10
1076483	Rock	0.1	0.15	0.41	37.2	1.7	<0.05	5.1	5.81	42.8	<0.02	<1	0.4	13.1	<10
1076484	Rock	0.1	<0.02	0.19	120.7	1.2	<0.05	0.8	6.68	63.1	0.04	<1	1.6	39.8	<10
1076485	Rock	<0.1	<0.02	0.05	6.5	<0.1	<0.05	0.1	4.54	8.7	<0.02	<1	0.1	4.4	<10
1076486	Rock	<0.1	<0.02	0.06	1.0	0.4	<0.05	<0.1	0.19	1.6	<0.02	<1	<0.1	0.3	<10
1076487	Rock	<0.1	<0.02	0.14	31.1	0.4	<0.05	0.5	7.95	75.6	<0.02	<1	0.4	17.5	<10
1076488	Rock	<0.1	<0.02	0.09	33.6	0.2	<0.05	0.6	3.34	57.6	<0.02	2	0.7	14.7	<10
1076489	Rock	0.1	0.15	0.20	35.8	0.5	<0.05	7.6	8.37	29.5	<0.02	1	0.3	16.6	<10
1076490	Rock Pulp	<0.1	0.13	<0.02	19.5	1.0	<0.05	6.9	10.16	67.0	0.03	2	1.1	9.2	<10
1076491 blank	Rock	<0.1	0.08	0.54	43.5	0.7	<0.05	1.4	6.15	27.9	<0.02	1	0.3	30.0	<10
1076492	Rock	<0.1	0.03	0.10	46.3	0.5	<0.05	1.0	6.94	27.3	<0.02	2	0.9	19.5	<10
1076493	Rock	<0.1	<0.02	0.10	54.7	0.4	<0.05	0.5	5.49	59.3	<0.02	1	0.9	21.7	<10
1076494	Rock	<0.1	0.05	0.19	28.6	0.9	<0.05	2.2	7.11	35.9	<0.02	<1	0.2	19.9	<10
1076495	Rock	<0.1	0.08	0.40	1.9	0.6	<0.05	2.6	7.52	20.1	<0.02	13	0.3	3.9	<10
1076496	Rock	0.1	0.05	0.03	13.3	0.7	<0.05	1.6	8.98	5.2	0.02	1	0.5	13.4	<10
1076497	Rock	<0.1	0.16	0.20	3.2	0.6	<0.05	4.6	7.76	8.0	<0.02	18	0.3	7.0	<10
1076498	Rock	<0.1	<0.02	0.13	28.5	0.2	<0.05	0.4	4.05	41.1	<0.02	<1	0.3	15.5	<10
1076499	Rock	<0.1	<0.02	0.04	3.4	0.2	<0.05	0.1	0.94	4.5	<0.02	<1	<0.1	5.3	<10
1076500	Rock	<0.1	<0.02	0.17	2.3	0.4	<0.05	0.4	3.05	10.4	<0.02	<1	<0.1	3.1	<10
1082001	Rock	0.1	<0.02	0.12	39.0	0.6	<0.05	1.1	6.13	13.8	<0.02	<1	0.2	12.0	<10
1082002	Rock	<0.1	0.15	0.13	23.7	0.4	<0.05	8.5	6.19	21.3	<0.02	1	0.2	7.2	<10
1082003	Rock	0.1	<0.02	0.10	33.8	0.6	<0.05	0.7	6.41	13.1	<0.02	1	0.1	12.5	<10
1082004	Rock	0.1	0.02	0.12	32.8	0.5	<0.05	0.9	6.66	14.2	<0.02	2	0.2	11.7	<10
1082005	Rock	<0.1	<0.02	0.03	5.0	0.1	<0.05	0.4	1.88	32.3	<0.02	<1	<0.1	0.7	<10
1082006	Rock	<0.1	<0.02	0.21	4.7	0.3	<0.05	0.4	1.78	6.1	<0.02	<1	0.2	5.1	<10
1082007	Rock	<0.1	<0.02	0.03	5.9	0.2	<0.05	1.0	1.58	9.8	<0.02	<1	0.1	5.0	<10



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Report Date: October 07, 2011

Page: 5 of 6 Part 1

CERTIFICATE OF ANALYSIS

WHI11001271.1

	Method Analyte Unit MDL	WGHT	G6	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		kg	gm/t	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0.01	0.005	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
1082008	Rock	2.77	<0.005	0.46	5.57	2.86	62.6	16	3.2	6.0	353	2.12	1.2	3.4	0.3	19.6	28.4	0.04	0.14	0.03
1082009	Rock	3.43	<0.005	0.37	11.32	2.98	100.8	26	3.3	6.5	404	2.38	1.0	2.0	27.2	16.1	33.9	1.13	0.10	0.12
1082010	Rock Pulp	0.06	0.256	154.9	1756	20.40	65.1	1872	17.3	17.4	378	3.83	26.6	3.8	174.0	9.3	72.2	0.90	3.88	2.21
1082011 blank	Rock	N.A.	<0.005	0.19	2.24	2.95	46.6	18	3.0	4.2	619	2.36	0.4	1.6	6.3	6.0	73.1	<0.01	0.04	0.07
1082012	Rock	2.61	<0.005	0.49	73.22	2.96	62.2	112	2.7	12.0	509	3.17	2.4	4.9	4.6	14.2	36.6	0.19	0.21	0.13
1082013	Rock	2.88	<0.005	0.48	6.16	2.05	190.1	16	5.7	9.9	644	3.04	0.9	1.0	3.5	6.9	27.3	0.12	0.13	0.13
1082014	Rock	3.43	<0.005	0.43	5.07	3.68	17.4	17	1.5	1.9	138	0.85	3.1	5.7	0.9	21.2	8.2	0.05	0.28	0.57
1082015	Rock	2.15	0.016	0.50	3.46	4.14	7.2	15	0.7	0.8	70	0.45	3.9	10.1	3.1	24.7	7.8	0.02	0.24	0.11
1082016	Rock	2.73	<0.005	0.73	11.42	3.78	52.6	42	3.6	6.5	372	2.23	2.0	2.9	1.6	18.7	37.9	0.10	0.18	0.07
1082017	Rock	2.85	<0.005	2.23	4.58	4.31	100.0	104	3.8	7.7	575	2.53	5.3	2.7	0.5	18.2	32.7	0.95	0.47	0.70
1082018	Rock	3.38	<0.005	0.84	187.8	4.12	238.4	511	3.0	2.2	207	1.71	16.5	4.3	0.8	22.1	16.7	3.27	0.39	0.23
1082019	Rock	2.60	<0.005	0.53	2.40	3.12	25.9	14	2.7	5.1	375	1.99	1.2	5.1	0.3	21.7	31.8	0.04	0.10	0.03
1082020	Rock	3.29	0.006	0.55	54.44	539.0	1179	4953	3.3	4.1	1279	3.08	151.5	10.0	1.3	21.6	14.5	25.91	2.96	0.04
1082021	Rock	2.82	<0.005	0.37	79.93	6.23	40.5	43	3.3	5.6	393	2.00	3.5	3.1	1.9	20.4	23.7	0.40	0.21	0.30
1082022	Rock	2.72	<0.005	0.41	10.34	5.47	41.2	25	2.6	5.5	382	1.93	2.0	4.0	1.0	20.0	40.5	0.35	0.16	0.07
1082023	Rock	2.54	<0.005	1.18	106.6	5.99	326.7	281	2.3	2.9	242	2.47	30.3	7.6	2.0	16.3	35.0	5.36	0.75	0.79
1082024	Rock	2.36	<0.005	0.22	14.58	9.06	89.4	55	1.3	1.5	199	1.03	12.7	5.9	0.7	33.3	4.9	1.23	0.17	0.10
1082025	Rock	2.85	<0.005	0.32	10.41	2.99	107.3	38	3.1	5.9	350	2.14	1.1	3.1	0.9	19.0	26.8	0.56	0.14	0.20
1082026	Rock	2.25	<0.005	11.47	111.3	3.64	127.6	364	2.3	5.6	356	2.33	11.4	5.8	1.9	22.1	60.8	0.54	0.61	0.36
1082027	Rock	2.65	0.014	0.85	29.10	2.45	102.1	68	197.7	13.2	371	2.26	3.9	2.8	8.3	21.1	20.8	0.43	0.18	0.60
1082028	Rock	2.29	<0.005	0.64	26.35	4.99	90.5	50	3.1	7.2	536	2.67	10.5	2.3	1.3	18.8	26.6	0.38	0.43	0.07
1076183	Rock	6.02	<0.005	0.12	3.31	0.35	30.0	16	2260	95.6	928	4.93	50.3	<0.1	9.9	0.2	8.9	0.05	0.92	0.97
1076184	Rock	3.60	0.009	0.42	7.31	3.45	27.0	79	5.3	4.3	299	1.76	1.0	3.7	7.6	16.2	12.8	0.04	0.14	0.71
1076185	Rock	2.35	<0.005	0.44	97.32	4.85	23.7	397	5.4	4.5	301	1.84	2.0	3.3	4.1	17.5	21.8	0.29	0.32	0.30
1076186	Rock	2.35	<0.005	0.37	30.47	4.37	160.3	475	36.9	10.6	541	2.41	8.6	1.7	0.6	8.4	59.6	0.80	0.26	0.10
1076187	Rock	2.73	<0.005	0.21	2.90	28.12	26.1	83	0.9	0.6	155	0.64	48.4	4.4	<0.2	16.1	1.5	0.24	0.46	0.04
1082029	Rock	2.87	0.029	0.56	8.62	5.85	43.0	45	4.1	7.5	476	2.39	30.2	4.6	9.6	15.3	31.7	0.16	0.54	0.16
1082030 blank	Rock	N.A.	<0.005	0.26	3.77	3.18	43.9	11	2.9	4.0	600	2.19	0.2	1.6	1.3	5.1	67.9	0.01	0.03	0.05
1082031 blank	Rock	N.A.	<0.005	0.26	4.45	2.96	44.6	11	2.4	4.1	588	2.16	0.3	1.6	0.4	5.4	69.2	0.02	0.03	0.04
1082032	Rock	3.43	0.005	0.36	110.3	103.7	184.6	18411	4.2	6.7	702	2.42	31.4	3.4	5.7	25.1	21.6	0.95	0.26	0.02



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210800

Report Date:

October 07, 2011

Page:

5 of 6

Part 2

CERTIFICATE OF ANALYSIS

WHI11001271.1

	Method Analyte Unit MDL	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02
1082008	Rock	0.54	0.060	22.0	11.1	0.58	360.8	0.183	<20	1.23	0.124	0.65	2.0	2.4	0.56	<0.02	<5	<0.1	<0.02
1082009	Rock	0.60	0.064	21.3	12.8	0.68	486.8	0.225	<20	1.37	0.154	0.78	1.4	3.1	0.68	<0.02	<5	<0.1	<0.02
1082010	Rock Pulp	1.82	0.071	18.1	60.2	0.83	333.0	0.033	<20	1.50	0.053	0.54	1.7	5.4	0.29	1.77	91	2.8	0.27
1082011 blank	Rock	0.61	0.081	15.0	5.4	0.55	179.6	0.136	<20	1.15	0.128	0.53	0.1	2.1	0.31	<0.02	<5	0.1	<0.02
1082012	Rock	0.85	0.130	25.4	5.3	0.94	648.5	0.318	<20	1.80	0.161	1.08	2.1	3.6	0.67	<0.02	7	0.2	<0.02
1082013	Rock	0.77	0.071	14.0	21.9	1.12	662.2	0.262	<20	1.59	0.123	1.15	1.7	8.2	0.94	<0.02	<5	0.1	<0.02
1082014	Rock	0.13	0.011	9.7	3.9	0.15	101.5	0.053	<20	0.41	0.060	0.23	2.4	0.8	0.13	<0.02	<5	<0.1	<0.02
1082015	Rock	0.07	0.003	13.8	1.2	0.05	31.0	0.019	<20	0.28	0.055	0.14	4.4	0.5	0.06	<0.02	17	0.1	<0.02
1082016	Rock	0.53	0.064	22.2	11.4	0.61	379.5	0.207	<20	1.28	0.107	0.66	2.2	2.6	0.41	<0.02	<5	0.1	0.02
1082017	Rock	1.07	0.065	24.2	14.0	0.77	382.8	0.214	<20	1.44	0.096	0.76	1.6	4.9	0.62	<0.02	10	0.2	<0.02
1082018	Rock	0.36	0.030	20.6	4.8	0.33	178.9	0.051	<20	1.41	0.098	0.31	10.8	1.9	0.31	<0.02	<5	0.2	<0.02
1082019	Rock	0.43	0.048	22.5	9.6	0.48	441.7	0.183	<20	1.23	0.160	0.65	0.3	2.1	0.40	<0.02	<5	0.1	<0.02
1082020	Rock	0.56	0.061	17.2	12.7	0.49	108.7	0.045	<20	1.79	0.058	0.57	1.4	3.7	0.58	0.23	10	0.3	<0.02
1082021	Rock	0.48	0.054	20.4	10.1	0.53	349.9	0.158	<20	1.06	0.081	0.47	0.7	1.9	0.29	<0.02	<5	<0.1	<0.02
1082022	Rock	0.55	0.051	21.5	9.5	0.53	355.5	0.163	<20	1.12	0.098	0.50	0.4	2.1	0.29	<0.02	<5	<0.1	<0.02
1082023	Rock	0.64	0.052	12.6	8.6	0.43	101.1	0.085	<20	1.91	0.145	0.64	0.6	2.7	0.92	0.28	<5	<0.1	<0.02
1082024	Rock	0.09	0.014	16.2	2.1	0.13	39.3	0.008	<20	0.50	0.050	0.14	0.4	1.1	0.08	<0.02	<5	<0.1	<0.02
1082025	Rock	0.54	0.061	21.3	11.3	0.57	197.8	0.146	<20	1.19	0.099	0.52	1.1	1.9	0.54	<0.02	<5	0.1	0.04
1082026	Rock	0.75	0.045	22.4	8.9	0.56	73.0	0.096	<20	1.23	0.068	0.51	58.1	3.8	0.50	<0.02	<5	<0.1	0.05
1082027	Rock	0.59	0.055	19.4	44.9	2.54	72.8	0.110	<20	1.13	0.056	0.38	65.5	2.1	0.42	<0.02	<5	<0.1	0.06
1082028	Rock	0.99	0.067	23.5	12.2	0.79	383.0	0.196	<20	1.50	0.100	0.81	5.0	6.1	1.00	<0.02	<5	0.1	0.02
1076183	Rock	0.21	0.002	<0.5	240.9	21.11	50.6	0.003	<20	0.20	0.002	0.09	0.1	6.2	0.13	0.07	<5	0.2	<0.02
1076184	Rock	0.34	0.052	20.4	8.3	0.45	325.0	0.167	<20	0.84	0.057	0.47	3.7	1.4	0.35	<0.02	<5	<0.1	0.02
1076185	Rock	0.52	0.049	22.8	8.9	0.50	199.7	0.099	<20	0.86	0.074	0.31	62.6	2.8	0.20	<0.02	<5	<0.1	<0.02
1076186	Rock	0.98	0.114	10.8	111.4	1.47	93.0	0.151	<20	1.91	0.138	0.16	0.7	3.1	0.13	<0.02	<5	<0.1	<0.02
1076187	Rock	0.07	<0.001	1.6	0.8	<0.01	12.1	<0.001	<20	0.37	0.069	0.21	1.1	<0.1	0.08	0.03	<5	0.2	<0.02
1082029	Rock	0.87	0.069	22.2	13.6	0.70	418.3	0.199	<20	1.27	0.075	0.59	1.7	3.4	0.57	<0.02	<5	<0.1	<0.02
1082030 blank	Rock	0.54	0.083	13.1	5.3	0.50	175.8	0.117	<20	0.99	0.109	0.50	<0.1	1.9	0.27	<0.02	<5	<0.1	<0.02
1082031 blank	Rock	0.55	0.077	12.8	4.4	0.49	157.7	0.120	<20	1.00	0.115	0.50	<0.1	2.0	0.27	<0.02	<5	<0.1	<0.02
1082032	Rock	0.50	0.063	20.8	13.1	0.65	436.4	0.185	<20	1.20	0.077	0.50	0.4	2.1	0.46	<0.02	<5	<0.1	<0.02



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Report Date: October 07, 2011

Page: 5 of 6 Part 3

CERTIFICATE OF ANALYSIS

WHI11001271.1

	Method Analyte Unit MDL	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10
1082008	Rock	0.1	0.04	0.25	64.8	1.7	<0.05	1.0	6.33	37.0	<0.02	<1	0.2	13.3	<10
1082009	Rock	0.1	0.05	0.28	77.0	2.1	<0.05	1.2	8.22	34.8	<0.02	<1	0.4	16.6	<10
1082010	Rock Pulp	<0.1	0.08	0.04	35.0	2.0	<0.05	2.6	10.42	31.9	0.05	34	0.6	8.1	<10
1082011 blank	Rock	0.1	0.08	0.64	44.4	0.6	<0.05	1.3	6.32	27.0	<0.02	<1	0.2	29.7	<10
1082012	Rock	0.2	0.10	0.25	83.0	1.0	<0.05	1.7	7.20	40.8	<0.02	<1	1.3	32.7	<10
1082013	Rock	0.1	0.16	0.93	131.5	5.0	<0.05	2.4	10.23	26.9	0.04	<1	0.5	55.4	<10
1082014	Rock	<0.1	0.16	0.45	18.7	0.7	<0.05	3.0	4.97	18.3	<0.02	<1	0.2	7.8	<10
1082015	Rock	<0.1	0.12	1.33	8.2	0.3	<0.05	2.5	8.29	24.3	<0.02	<1	0.3	4.0	<10
1082016	Rock	0.1	0.05	0.26	68.1	1.0	<0.05	1.2	6.54	35.6	<0.02	<1	0.1	23.5	<10
1082017	Rock	0.1	0.17	1.17	96.8	4.8	<0.05	3.2	11.73	41.2	<0.02	<1	0.9	58.2	<10
1082018	Rock	<0.1	0.08	0.19	31.0	4.3	<0.05	3.1	6.02	32.9	<0.02	<1	0.7	14.6	<10
1082019	Rock	0.1	0.05	0.28	57.5	0.8	<0.05	1.7	6.85	36.8	<0.02	<1	0.3	20.7	<10
1082020	Rock	<0.1	0.11	0.13	52.1	15.4	<0.05	4.1	10.65	30.3	<0.02	<1	1.6	25.3	<10
1082021	Rock	0.1	0.10	0.29	39.1	1.0	<0.05	2.6	6.05	35.7	0.07	<1	0.3	17.8	<10
1082022	Rock	<0.1	0.07	0.31	39.4	1.0	<0.05	1.9	6.04	36.8	<0.02	<1	0.3	19.7	<10
1082023	Rock	<0.1	0.04	0.16	70.0	8.8	<0.05	1.0	5.77	21.8	<0.02	<1	0.9	12.0	<10
1082024	Rock	<0.1	0.13	0.28	8.9	0.5	<0.05	3.5	9.34	31.6	<0.02	<1	0.7	7.4	<10
1082025	Rock	<0.1	0.06	0.16	57.3	2.1	<0.05	1.0	7.10	35.5	<0.02	<1	0.2	13.1	<10
1082026	Rock	<0.1	0.09	0.22	55.6	2.8	<0.05	2.3	12.11	38.6	0.05	<1	1.0	22.7	<10
1082027	Rock	0.1	0.04	0.22	43.3	2.2	<0.05	1.1	6.61	34.0	<0.02	<1	0.5	18.8	<10
1082028	Rock	0.1	0.20	1.24	103.9	9.2	<0.05	4.1	12.32	40.7	0.02	2	1.6	56.7	<10
1076183	Rock	0.2	<0.02	0.02	7.6	0.1	<0.05	<0.1	0.35	0.9	<0.02	<1	<0.1	4.5	<10
1076184	Rock	<0.1	0.07	0.46	46.2	1.0	<0.05	1.5	5.36	36.1	<0.02	<1	0.2	17.7	<10
1076185	Rock	0.1	0.09	0.33	28.3	3.1	<0.05	2.4	7.50	39.1	<0.02	<1	0.3	11.6	<10
1076186	Rock	<0.1	0.11	0.10	16.5	1.7	<0.05	5.7	6.40	21.3	<0.02	<1	0.3	17.2	<10
1076187	Rock	<0.1	2.54	5.22	15.2	0.6	<0.05	52.3	32.23	5.3	<0.02	<1	0.8	2.6	<10
1082029	Rock	0.2	0.13	0.60	65.7	1.3	<0.05	2.6	8.30	37.2	<0.02	<1	2.6	29.3	<10
1082030 blank	Rock	0.1	0.08	0.52	44.2	0.6	<0.05	1.5	5.82	23.8	<0.02	<1	0.3	29.1	<10
1082031 blank	Rock	<0.1	0.08	0.61	45.8	0.7	<0.05	1.4	6.08	23.4	<0.02	<1	0.3	28.9	<10
1082032	Rock	<0.1	0.05	0.30	44.2	6.6	<0.05	1.2	5.86	34.3	<0.02	<1	0.2	16.1	<10



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Page: 6 of 6 Part 1

CERTIFICATE OF ANALYSIS

WHI11001271.1

	Method Analyte Unit MDL	WGHT	G6	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		kg	gm/t	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0.01	0.005	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
1082033	Rock	3.25	<0.005	1.00	5.54	3.60	38.6	24	3.2	7.1	412	2.26	2.4	3.4	1.6	18.3	28.6	0.05	0.11	0.04
1082034	Rock	4.37	<0.005	0.59	28.34	6.41	82.5	422	21.6	21.3	698	4.64	12.8	0.2	0.9	1.2	230.6	0.19	0.15	0.07
1082035	Rock	3.07	<0.005	0.35	5.00	3.35	40.2	15	2.9	7.3	404	2.32	0.7	3.7	<0.2	18.2	29.6	0.04	0.10	0.03
1082036	Rock	2.89	<0.005	0.27	5.58	4.46	37.6	34	3.0	7.2	393	2.31	1.6	4.0	<0.2	17.9	25.1	0.04	0.21	0.05
1082037	Rock	2.40	<0.005	0.19	6.81	10.72	51.2	34	3.8	9.1	540	2.74	1.7	1.6	<0.2	20.0	23.1	0.09	0.15	0.05
1082038	Rock	3.68	<0.005	0.28	4.80	3.26	36.3	17	2.8	6.3	357	2.15	0.8	4.3	<0.2	17.6	33.2	0.03	0.13	0.03
1082039	Rock	2.63	<0.005	0.27	4.08	4.95	34.7	18	2.9	6.3	362	2.03	1.6	4.6	<0.2	16.2	30.5	0.05	0.25	0.05
1082040	Rock	3.58	<0.005	0.96	13.85	3.60	96.7	36	9.6	18.0	1146	5.44	1.6	0.4	<0.2	1.5	289.9	0.19	0.22	0.04
1082041	Rock	3.06	<0.005	0.36	4.31	8.47	43.6	21	3.5	7.5	458	2.38	1.7	3.8	0.2	15.9	17.7	0.05	0.27	0.06
1082042	Rock	3.78	<0.005	0.28	4.28	9.12	39.2	22	3.2	7.2	416	2.26	2.1	3.4	0.3	16.2	15.4	0.08	0.25	0.07
1082043	Rock	3.88	<0.005	0.49	4.59	3.20	34.9	24	2.8	6.4	353	2.12	1.8	3.0	<0.2	15.4	20.7	0.03	0.21	0.06
1082044	Rock	3.19	<0.005	0.85	6.36	1.71	72.4	27	7.6	17.6	811	4.26	0.6	0.5	0.4	1.9	178.5	0.14	0.53	<0.02
1082045	Rock	4.37	0.006	0.18	11.90	4.86	136.8	39	0.5	0.4	555	0.62	26.2	4.6	<0.2	18.9	1.3	0.02	0.58	1.41
1082046	Rock	3.65	<0.005	0.25	2.06	4.23	113.0	8	0.7	0.4	382	0.75	6.7	5.3	<0.2	17.0	1.1	0.04	0.68	0.37



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Project: 210800
Report Date: October 07, 2011

Page: 6 of 6 Part 2

CERTIFICATE OF ANALYSIS

WHI11001271.1

	Method Analyte Unit MDL	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1082033	Rock	0.55	0.067	20.7	12.8	0.66	604.2	0.238	<20	1.24	0.122	0.66	<0.1	2.6	0.46	<0.02	<5	<0.1	<0.02	5.2	2.59
1082034	Rock	3.53	0.121	8.7	35.1	2.11	134.9	0.172	<20	5.86	0.438	0.26	<0.1	1.3	0.08	0.06	<5	0.2	<0.02	12.5	2.61
1082035	Rock	0.62	0.070	23.5	13.1	0.70	613.6	0.236	<20	1.23	0.133	0.66	0.1	2.9	0.44	<0.02	<5	<0.1	<0.02	5.1	2.80
1082036	Rock	0.60	0.072	19.5	12.6	0.68	538.3	0.223	<20	1.12	0.107	0.59	0.2	2.8	0.41	<0.02	<5	<0.1	<0.02	4.9	2.30
1082037	Rock	0.75	0.079	28.1	16.4	0.88	100.9	0.120	<20	1.50	0.065	0.14	0.3	3.4	0.06	<0.02	<5	<0.1	<0.02	7.4	1.06
1082038	Rock	0.59	0.063	23.6	11.6	0.62	549.0	0.215	<20	1.10	0.084	0.56	0.2	2.2	0.39	<0.02	<5	<0.1	<0.02	4.8	2.40
1082039	Rock	0.64	0.054	17.1	10.8	0.59	479.1	0.197	<20	1.15	0.105	0.56	0.4	2.4	0.39	<0.02	<5	<0.1	<0.02	4.6	2.85
1082040	Rock	3.31	0.266	25.7	50.7	2.43	631.4	0.015	<20	3.11	0.091	0.10	<0.1	8.8	<0.02	0.04	<5	0.2	<0.02	10.2	7.94
1082041	Rock	0.74	0.066	19.2	13.1	0.75	119.3	0.160	<20	1.18	0.057	0.15	0.3	3.5	0.07	<0.02	<5	<0.1	<0.02	5.7	1.67
1082042	Rock	0.66	0.065	18.4	12.3	0.71	129.9	0.149	<20	1.11	0.047	0.15	0.3	3.1	0.07	<0.02	<5	<0.1	<0.02	5.2	1.80
1082043	Rock	0.41	0.061	20.5	11.3	0.59	563.3	0.206	<20	1.02	0.094	0.65	<0.1	2.1	0.45	<0.02	<5	<0.1	<0.02	4.3	3.20
1082044	Rock	2.91	0.146	16.8	32.7	2.41	416.7	0.056	<20	2.85	0.197	0.08	<0.1	8.9	<0.02	0.04	<5	0.2	<0.02	9.5	5.49
1082045	Rock	0.13	<0.001	1.6	1.1	<0.01	5.8	0.004	<20	0.43	0.051	0.25	2.3	0.3	0.65	<0.02	<5	0.4	<0.02	3.8	14.05
1082046	Rock	0.17	<0.001	2.2	1.2	<0.01	11.4	0.004	<20	0.35	0.050	0.18	0.8	0.1	0.29	<0.02	<5	0.5	<0.02	3.7	3.48



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Project: 210800
Report Date: October 07, 2011

Page: 6 of 6 **Part** 3

CERTIFICATE OF ANALYSIS

WHI11001271.1

	Method Analyte Unit MDL	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10
1082033	Rock	0.1	0.07	0.17	53.1	1.1	<0.05	1.6	6.72	34.1	<0.02	<1	0.2	16.1	<10
1082034	Rock	0.1	0.04	0.10	13.0	0.5	<0.05	2.3	12.73	20.2	<0.02	<1	0.1	24.1	<10
1082035	Rock	<0.1	0.06	0.19	51.9	0.9	<0.05	1.6	6.85	36.9	<0.02	<1	0.2	20.0	<10
1082036	Rock	0.1	0.04	0.24	49.8	0.9	<0.05	1.4	6.60	31.8	<0.02	<1	0.2	20.0	<10
1082037	Rock	<0.1	0.05	0.18	9.6	0.7	<0.05	1.5	8.27	47.9	<0.02	<1	0.4	14.3	<10
1082038	Rock	0.1	0.07	0.19	45.3	0.9	<0.05	1.2	5.76	37.0	<0.02	<1	0.2	17.9	<10
1082039	Rock	<0.1	0.07	0.20	49.1	1.0	<0.05	1.8	6.51	30.9	<0.02	<1	0.3	19.0	<10
1082040	Rock	0.1	0.02	<0.02	5.1	0.6	<0.05	1.9	18.84	53.9	0.05	<1	0.7	51.2	<10
1082041	Rock	<0.1	0.07	0.16	10.5	0.9	<0.05	1.6	7.86	32.8	<0.02	<1	0.5	16.5	<10
1082042	Rock	<0.1	0.08	0.15	11.2	2.3	<0.05	1.6	6.97	30.6	<0.02	<1	0.3	18.1	<10
1082043	Rock	<0.1	0.09	0.25	55.8	0.9	<0.05	2.1	5.48	33.5	<0.02	<1	0.2	20.1	<10
1082044	Rock	<0.1	0.06	<0.02	3.9	0.4	<0.05	3.2	14.07	35.8	0.04	<1	0.3	49.0	<10
1082045	Rock	<0.1	3.02	5.75	114.0	11.3	<0.05	28.0	63.09	8.4	0.03	<1	0.7	129.1	<10
1082046	Rock	<0.1	0.96	10.79	43.9	6.6	<0.05	14.6	62.41	6.9	<0.02	<1	0.3	19.4	<10



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Page: 1 of 3 Part 1

QUALITY CONTROL REPORT

WHI11001271.1

	Method Analyte Unit MDL	WGHT	G6	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		kg	gm/t	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.005	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02
Pulp Duplicates																					
1076172	Rock	2.45	<0.005	0.74	16.35	4.49	31.4	26	3.4	6.3	337	2.19	1.2	2.3	2.6	17.7	25.0	0.04	0.08	0.03	52
REP 1076172	QC	<0.005																			
1076177	Rock	4.30	<0.005	5.22	8.47	7.29	23.0	29	2.7	3.4	300	1.78	1.0	4.8	0.7	19.9	15.1	0.04	0.16	0.05	25
REP 1076177	QC	5.64 8.46 7.06 22.5 28 2.2 3.3 290 1.77 0.9 4.8 0.4 19.2 15.0 0.05 0.16 0.04 25																			
1076466	Rock	2.70	<0.005	21.67	17.22	7.04	31.8	74	2.6	5.0	419	1.99	0.9	7.3	<0.2	23.6	19.5	0.16	0.10	0.06	38
REP 1076466	QC	<0.005																			
1076471 blank	Rock	N.A.	<0.005	0.27	3.40	3.12	45.8	12	3.3	4.2	629	2.23	0.3	1.7	<0.2	6.0	70.5	<0.01	0.03	0.08	37
REP 1076471 blank	QC	0.27 3.66 3.34 47.5 11 3.4 4.5 650 2.29 0.4 1.7 <0.2 6.3 73.8 <0.01 0.03 0.05 38																			
1076497	Rock	3.05	0.009	1.29	142.2	2.01	11.3	222	35.6	30.1	168	4.28	2.2	0.4	8.4	1.1	46.2	0.05	0.36	0.15	70
REP 1076497	QC	0.007																			
1082005	Rock	3.23	<0.005	1.80	13.38	1.66	2.5	23	2.1	0.5	64	0.72	2.2	0.4	3.6	6.2	4.0	<0.01	0.08	0.07	2
REP 1082005	QC	1.83 13.49 1.63 2.8 22 1.9 0.5 63 0.70 2.3 0.4 2.3 6.0 4.0 <0.01 0.08 0.05 2																			
1082026	Rock	2.25	<0.005	11.47	111.3	3.64	127.6	364	2.3	5.6	356	2.33	11.4	5.8	1.9	22.1	60.8	0.54	0.61	0.36	41
REP 1082026	QC	<0.005																			
1082045	Rock	4.37	0.006	0.18	11.90	4.86	136.8	39	0.5	0.4	555	0.62	26.2	4.6	<0.2	18.9	1.3	0.02	0.58	1.41	<2
REP 1082045	QC	0.19 11.90 4.66 136.9 40 0.6 0.4 543 0.63 26.3 4.5 <0.2 18.4 1.3 0.02 0.57 1.37 <2																			
Core Reject Duplicates																					
1076182	Rock	2.64	0.007	39.51	247.1	8.87	21.3	986	2.9	3.9	223	1.53	2.7	3.8	37.6	16.1	16.3	0.35	0.27	6.29	33
DUP 1076182	QC	0.007 41.89 261.2 9.81 23.6 1113 3.0 3.9 228 1.59 3.4 4.3 11.3 16.7 17.3 0.43 0.30 7.83 33																			
1076474	Rock	3.36	<0.005	1.04	33.88	365.4	548.3	1525	4.3	8.5	1372	3.00	0.7	5.3	0.7	21.4	34.6	21.26	0.47	0.09	66
DUP 1076474	QC	<0.005 1.07 33.36 362.3 558.7 1473 3.8 8.3 1333 2.97 0.8 5.3 0.5 20.9 34.4 19.72 0.47 0.09 65																			
1082009	Rock	3.43	<0.005	0.37	11.32	2.98	100.8	26	3.3	6.5	404	2.38	1.0	2.0	27.2	16.1	33.9	1.13	0.10	0.12	53
DUP 1082009	QC	<0.005 0.35 10.99 3.19 100.2 26 3.4 6.4 412 2.34 0.9 2.0 3.8 16.1 36.2 1.09 0.10 0.10 53																			
1082039	Rock	2.63	<0.005	0.27	4.08	4.95	34.7	18	2.9	6.3	362	2.03	1.6	4.6	<0.2	16.2	30.5	0.05	0.25	0.05	49
DUP 1082039	QC	<0.005 0.33 4.08 4.81 35.5 16 2.8 6.2 353 2.02 1.8 5.2 <0.2 15.3 30.0 0.04 0.26 0.06 49																			
Reference Materials																					
STD DS8	Standard	12.71 112.0 120.9 323.0 1732 37.4 7.4 626 2.51 26.2 2.7 97.7 6.7 70.2 2.39 5.08 6.10 42																			
STD DS8	Standard	13.25 108.8 123.7 317.4 1627 36.7 6.8 637 2.56 27.0 2.8 102.2 6.9 67.9 2.54 4.70 6.29 42																			



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Report Date:

October 07, 2011

Page:

1 of 3

Part 2

QUALITY CONTROL REPORT

WHI11001271.1

	Method Analyte Unit MDL	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
Pulp Duplicates																					
1076172	Rock	0.71	0.065	16.4	12.1	0.65	214.1	0.198	<20	1.26	0.093	0.40	0.8	2.0	0.25	<0.02	14	0.3	<0.02	5.3	3.48
REP 1076172	QC																				
1076177	Rock	0.53	0.038	23.3	7.1	0.38	164.3	0.117	<20	0.83	0.059	0.19	30.1	1.8	0.13	<0.02	19	0.2	<0.02	4.7	1.89
REP 1076177	QC	0.54	0.036	23.1	6.5	0.36	160.6	0.116	<20	0.84	0.062	0.19	29.1	1.8	0.14	<0.02	<5	0.2	<0.02	4.9	1.91
1076466	Rock	0.53	0.040	22.8	9.4	0.49	233.0	0.104	<20	0.88	0.059	0.34	0.4	3.1	0.26	<0.02	<5	<0.1	<0.02	4.4	2.75
REP 1076466	QC																				
1076471 blank	Rock	0.56	0.084	14.2	5.9	0.53	178.7	0.127	<20	1.05	0.114	0.49	0.3	2.0	0.30	<0.02	<5	<0.1	<0.02	5.2	2.96
REP 1076471 blank	QC	0.58	0.087	14.7	6.0	0.54	186.8	0.130	<20	1.08	0.118	0.51	0.3	2.2	0.31	<0.02	<5	<0.1	<0.02	5.5	3.13
1076497	Rock	1.55	0.081	4.5	20.0	0.58	106.2	0.214	<20	2.04	0.194	0.06	0.3	2.7	0.02	1.77	<5	6.0	0.12	6.3	0.43
REP 1076497	QC																				
1082005	Rock	0.01	0.011	15.0	2.9	0.02	22.9	0.002	<20	0.20	0.003	0.10	<0.1	0.2	0.07	<0.02	<5	<0.1	<0.02	0.6	0.25
REP 1082005	QC	0.01	0.010	15.2	2.7	0.02	23.8	0.002	<20	0.20	0.004	0.10	<0.1	0.2	0.05	<0.02	6	<0.1	<0.02	0.7	0.24
1082026	Rock	0.75	0.045	22.4	8.9	0.56	73.0	0.096	<20	1.23	0.068	0.51	58.1	3.8	0.50	<0.02	<5	<0.1	0.05	6.5	4.99
REP 1082026	QC																				
1082045	Rock	0.13	<0.001	1.6	1.1	<0.01	5.8	0.004	<20	0.43	0.051	0.25	2.3	0.3	0.65	<0.02	<5	0.4	<0.02	3.8	14.05
REP 1082045	QC	0.13	0.001	1.5	0.9	<0.01	5.2	0.004	<20	0.43	0.052	0.25	2.2	0.3	0.63	<0.02	<5	0.3	<0.02	3.7	13.59
Core Reject Duplicates																					
1076182	Rock	0.51	0.045	18.9	7.2	0.40	214.4	0.139	<20	0.76	0.057	0.29	>100	1.1	0.24	0.03	47	0.6	0.05	3.9	2.56
DUP 1076182	QC	0.53	0.043	19.8	7.9	0.38	219.7	0.140	<20	0.78	0.063	0.31	>100	1.2	0.24	0.03	63	0.5	0.10	3.7	2.62
1076474	Rock	1.38	0.063	23.4	16.2	0.93	296.4	0.132	<20	1.39	0.057	0.44	0.6	6.3	0.51	<0.02	<5	0.2	0.03	6.7	6.48
DUP 1076474	QC	1.36	0.064	24.9	16.1	0.90	306.5	0.133	<20	1.38	0.059	0.44	0.6	6.0	0.53	<0.02	<5	<0.1	<0.02	6.7	6.33
1082009	Rock	0.60	0.064	21.3	12.8	0.68	486.8	0.225	<20	1.37	0.154	0.78	1.4	3.1	0.68	<0.02	<5	<0.1	<0.02	5.8	4.89
DUP 1082009	QC	0.62	0.063	21.1	12.3	0.68	477.5	0.219	<20	1.43	0.169	0.78	1.1	3.3	0.65	<0.02	<5	0.3	<0.02	5.8	4.78
1082039	Rock	0.64	0.054	17.1	10.8	0.59	479.1	0.197	<20	1.15	0.105	0.56	0.4	2.4	0.39	<0.02	<5	<0.1	<0.02	4.6	2.85
DUP 1082039	QC	0.63	0.059	16.3	10.6	0.58	488.3	0.194	<20	1.14	0.102	0.56	0.5	2.6	0.40	<0.02	<5	<0.1	<0.02	4.6	2.91
Reference Materials																					
STD DS8	Standard	0.75	0.080	16.0	108.8	0.63	301.9	0.112	<20	0.98	0.098	0.42	2.4	2.1	5.00	0.16	176	5.6	4.96	5.0	2.53
STD DS8	Standard	0.71	0.082	15.0	123.5	0.64	308.6	0.110	<20	0.95	0.098	0.43	2.3	2.1	5.22	0.17	173	5.4	4.99	4.9	2.52



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Report Date: October 07, 2011

Page: 1 of 3 Part 3

QUALITY CONTROL REPORT

WHI11001271.1

	Method Analyte Unit MDL	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
Pulp Duplicates																
1076172	Rock	<0.1	0.11	0.21	37.5	0.5	<0.05	4.7	5.98	28.4	<0.02	<1	0.4	21.3	<10	<2
REP 1076172	QC															
1076177	Rock	0.1	0.15	0.48	16.7	1.5	<0.05	3.2	6.90	40.5	<0.02	<1	0.4	14.7	<10	<2
REP 1076177	QC	<0.1	0.11	0.48	16.4	1.6	<0.05	3.2	6.72	40.6	<0.02	<1	0.2	14.7	<10	<2
1076466	Rock	0.1	0.05	0.16	34.9	1.3	<0.05	1.2	9.49	39.3	<0.02	11	0.5	14.1	<10	<2
REP 1076466	QC															
1076471 blank	Rock	<0.1	0.08	0.55	44.4	0.7	<0.05	1.3	5.82	26.2	<0.02	<1	0.2	31.3	<10	<2
REP 1076471 blank	QC	<0.1	0.07	0.54	45.5	0.7	<0.05	1.3	6.06	27.5	<0.02	<1	0.6	33.2	<10	<2
1076497	Rock	<0.1	0.16	0.20	3.2	0.6	<0.05	4.6	7.76	8.0	<0.02	18	0.3	7.0	<10	<2
REP 1076497	QC															
1082005	Rock	<0.1	<0.02	0.03	5.0	0.1	<0.05	0.4	1.88	32.3	<0.02	<1	<0.1	0.7	<10	2
REP 1082005	QC	<0.1	<0.02	0.04	5.0	0.1	<0.05	0.4	1.79	32.3	<0.02	<1	<0.1	0.8	<10	2
1082026	Rock	<0.1	0.09	0.22	55.6	2.8	<0.05	2.3	12.11	38.6	0.05	<1	1.0	22.7	<10	<2
REP 1082026	QC															
1082045	Rock	<0.1	3.02	5.75	114.0	11.3	<0.05	28.0	63.09	8.4	0.03	<1	0.7	129.1	<10	<2
REP 1082045	QC	<0.1	2.79	5.62	113.9	10.8	<0.05	28.0	64.53	7.9	0.03	<1	0.7	132.0	<10	<2
Core Reject Duplicates																
1076182	Rock	<0.1	0.11	1.24	29.1	2.1	<0.05	3.0	4.81	33.5	<0.02	1	0.2	19.4	<10	<2
DUP 1076182	QC	<0.1	0.10	1.27	29.0	2.2	<0.05	3.0	4.80	34.8	0.02	2	0.1	20.1	<10	<2
1076474	Rock	0.1	0.06	0.11	46.2	1.4	<0.05	1.6	9.29	39.7	0.02	<1	0.3	17.7	<10	<2
DUP 1076474	QC	0.1	0.09	0.12	46.1	1.4	<0.05	1.6	9.35	41.0	0.04	<1	0.4	16.0	<10	<2
1082009	Rock	0.1	0.05	0.28	77.0	2.1	<0.05	1.2	8.22	34.8	<0.02	<1	0.4	16.6	<10	<2
DUP 1082009	QC	0.2	0.06	0.27	74.6	2.1	<0.05	1.3	8.24	34.8	<0.02	<1	0.2	16.6	<10	2
1082039	Rock	<0.1	0.07	0.20	49.1	1.0	<0.05	1.8	6.51	30.9	<0.02	<1	0.3	19.0	<10	<2
DUP 1082039	QC	0.1	0.08	0.19	50.0	1.0	<0.05	1.7	6.40	30.0	<0.02	<1	0.3	19.4	<10	<2
Reference Materials																
STD DS8	Standard	<0.1	0.05	0.95	39.7	6.8	<0.05	1.6	6.21	28.3	2.30	50	5.1	26.9	100	324
STD DS8	Standard	<0.1	0.06	0.80	39.8	7.0	<0.05	1.7	5.75	27.1	2.43	48	5.7	28.8	93	326



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Project: 210800
Report Date: October 07, 2011

Page: 2 of 3 Part 1

QUALITY CONTROL REPORT

WHI11001271.1

		WGHT	G6	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		kg	gm/t	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0.01	0.005	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
STD DS8	Standard			13.03	111.3	116.5	299.4	1740	36.7	7.4	624	2.51	26.8	2.8	97.1	6.9	68.4	2.30	4.57	6.46
STD DS8	Standard			13.49	112.4	116.0	307.3	1701	37.7	7.3	623	2.48	25.3	2.7	265.4	6.5	65.3	2.45	4.72	6.34
STD OREAS45CA	Standard			0.85	546.0	21.61	67.3	289	257.0	98.0	982	16.78	4.4	1.3	40.5	7.6	17.9	0.10	0.08	0.20
STD OREAS45CA	Standard			0.83	486.9	19.87	62.5	259	246.4	83.6	916	14.89	4.2	1.2	36.6	7.0	15.4	0.11	0.09	0.18
STD OREAS45CA	Standard			0.81	532.6	22.32	63.5	265	253.6	95.9	981	16.50	4.1	1.3	37.8	7.3	16.6	0.11	0.08	0.18
STD OREAS45CA	Standard			0.92	523.8	21.47	64.2	266	259.1	91.1	980	16.41	4.3	1.3	39.7	7.3	16.4	0.10	0.09	0.19
STD OXH82	Standard		1.223																	
STD OXH82	Standard		1.321																	
STD OXH82	Standard		1.368																	
STD OXH82	Standard		1.300																	
STD OXK79	Standard		3.427																	
STD OXK79	Standard		3.637																	
STD OXK79	Standard		3.631																	
STD OXK79	Standard		3.671																	
STD OXH82 Expected			1.278																	
STD OXK79 Expected			3.532																	
STD DS8 Expected				13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	4.8	6.67
STD OREAS45CA Expected				1	494	20	60	275	240	92	943	15.69	3.8	1.2	43	7	15	0.1	0.13	0.19
BLK	Blank		<0.005																	
BLK	Blank		<0.005																	
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BLK	Blank		<0.005																	
BLK	Blank		<0.005																	
BLK	Blank		<0.005																	
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
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
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



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Project:

210800

Report Date:

October 07, 2011

Page:

2 of 3

Part 2

QUALITY CONTROL REPORT

WHI11001271.1

		1F Ca %	1F P %	1F La ppm	1F Cr ppm	1F Mg %	1F Ba ppm	1F Ti %	1F B ppm	1F Al %	1F Na %	1F K %	1F W ppm	1F Sc ppm	1F Ti ppm	1F S %	1F Hg ppb	1F Se ppm	1F Te ppm	1F Ga ppm	1F Cs ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
STD DS8	Standard	0.72	0.081	15.2	121.5	0.63	290.2	0.112	<20	0.96	0.094	0.42	2.4	2.0	5.23	0.16	178	5.4	5.13	4.9	2.50
STD DS8	Standard	0.71	0.087	14.5	114.0	0.61	288.7	0.108	<20	0.92	0.086	0.41	2.7	2.1	5.14	0.17	171	5.4	4.80	4.9	2.49
STD OREAS45CA	Standard	0.45	0.045	18.1	748.7	0.15	180.2	0.147	<20	4.13	0.009	0.09	<0.1	41.2	0.07	<0.02	33	0.9	0.04	21.2	1.27
STD OREAS45CA	Standard	0.44	0.040	16.4	699.9	0.14	162.3	0.137	<20	3.98	0.014	0.08	<0.1	37.4	0.07	0.03	34	0.8	0.06	19.5	1.26
STD OREAS45CA	Standard	0.43	0.042	16.9	717.1	0.15	173.2	0.131	<20	3.98	0.008	0.08	0.2	38.9	0.07	<0.02	27	0.4	0.06	19.4	1.22
STD OREAS45CA	Standard	0.45	0.042	17.1	721.0	0.14	172.3	0.124	<20	3.75	0.010	0.07	<0.1	37.7	0.06	0.03	18	0.8	0.08	20.1	1.23
STD OXH82	Standard																				
STD OXH82	Standard																				
STD OXH82	Standard																				
STD OXH82	Standard																				
STD OXK79	Standard																				
STD OXK79	Standard																				
STD OXK79	Standard																				
STD OXK79	Standard																				
STD OXH82 Expected																					
STD OXK79 Expected																					
STD DS8 Expected		0.7	0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48
STD OREAS45CA Expected		0.4265	0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		39.7	0.07	0.021	30	0.5	0.06	18.4	1.03
BLK	Blank																				
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BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02



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Project: 210800

Report Date: October 07, 2011

Page: 2 of 3 Part 3

QUALITY CONTROL REPORT

WHI11001271.1

		1F Ge ppm 0.1	1F Hf ppm 0.02	1F Nb ppm 0.02	1F Rb ppm 0.1	1F Sn ppm 0.1	1F Ta ppm 0.05	1F Zr ppm 0.1	1F Y ppm 0.01	1F Ce ppm 0.1	1F In ppm 0.02	1F Re ppb 1	1F Be ppm 0.1	1F Li ppm 0.1	1F Pd ppb 10	1F Pt ppb 2
STD DS8	Standard	<0.1	0.07	0.80	38.4	7.2	<0.05	1.7	5.83	27.2	2.32	49	5.3	28.7	104	342
STD DS8	Standard	0.1	0.06	0.89	40.7	7.1	<0.05	1.9	5.88	26.0	2.36	56	6.3	27.7	92	321
STD OREAS45CA	Standard	<0.1	0.42	0.12	10.3	2.1	<0.05	17.9	9.13	38.1	0.10	<1	1.0	8.0	32	70
STD OREAS45CA	Standard	0.1	0.37	0.11	9.5	2.0	<0.05	17.4	8.02	35.1	0.10	<1	0.7	7.2	39	65
STD OREAS45CA	Standard	0.1	0.45	0.12	9.4	2.4	<0.05	19.2	8.47	36.0	0.10	<1	0.8	8.0	31	59
STD OREAS45CA	Standard	0.1	0.39	0.12	9.8	2.0	<0.05	18.0	8.64	36.5	0.09	<1	0.5	7.6	26	67
STD OXH82	Standard															
STD OXH82	Standard															
STD OXH82	Standard															
STD OXH82	Standard															
STD OXK79	Standard															
STD OXK79	Standard															
STD OXK79	Standard															
STD OXK79	Standard															
STD OXH82 Expected																
STD OXK79 Expected																
STD DS8 Expected		0.13	0.08	1.1	39	6.7	0.003	2.1	6.1	29.8	2.19	55	5.2	26.34	110	339
STD OREAS45CA Expected		0.11	0.5	0.22	8.2	1.8		21.6	7.84	35	0.09			6.2	36	61
BLK	Blank															
BLK	Blank															
BLK	Blank															
BLK	Blank															
BLK	Blank															
BLK	Blank															
BLK	Blank															
BLK	Blank															
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2



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Project: 210800

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Page: 3 of 3 Part 1

QUALITY CONTROL REPORT

WHI11001271.1

		WGHT	G6	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		kg	gm/t	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0.01	0.005	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
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
Prep Wash																				
G1	Prep Blank		<0.005	0.25	4.26	4.11	46.6	18	3.0	3.8	582	2.15	0.3	1.6	1.2	5.9	62.6	0.02	0.07	0.07
G1	Prep Blank		<0.005	0.23	3.18	3.12	45.2	13	2.8	3.8	569	2.13	0.5	1.9	1.2	6.1	66.5	0.01	0.05	0.06



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Project: 210800

Report Date: October 07, 2011

Page: 3 of 3 **Part** 2

QUALITY CONTROL REPORT

WHI11001271.1

		1F Ca %	1F P %	1F La ppm	1F Cr ppm	1F Mg %	1F Ba ppm	1F Ti %	1F B ppm	1F Al %	1F Na %	1F K %	1F W ppm	1F Sc ppm	1F Tl ppm	1F S %	1F Hg ppb	1F Se ppm	1F Te ppm	1F Ga ppm	1F Cs ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02
Prep Wash																					
G1	Prep Blank	0.51	0.083	12.8	5.2	0.49	161.0	0.119	<20	0.92	0.087	0.48	<0.1	1.9	0.29	<0.02	7	0.1	<0.02	4.9	2.97
G1	Prep Blank	0.51	0.077	12.9	5.1	0.49	160.3	0.121	<20	0.95	0.098	0.48	<0.1	1.9	0.29	<0.02	<5	<0.1	<0.02	4.9	2.76



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Page: 3 of 3 Part 3

QUALITY CONTROL REPORT

WHI11001271.1

		1F Ge ppm 0.1	1F Hf ppm 0.02	1F Nb ppm 0.02	1F Rb ppm 0.1	1F Sn ppm 0.1	1F Ta ppm 0.05	1F Zr ppm 0.1	1F Y ppm 0.01	1F Ce ppm 0.1	1F In ppm 0.02	1F Re ppb 1	1F Be ppm 0.1	1F Li ppm 0.1	1F Pd ppb 10	1F Pt ppb 2
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
Prep Wash																
G1	Prep Blank	<0.1	0.08	0.52	42.2	0.6	<0.05	1.3	5.25	23.5	0.04	<1	0.2	31.6	<10	<2
G1	Prep Blank	0.1	0.08	0.56	42.2	0.6	<0.05	1.3	5.43	23.5	<0.02	<1	0.2	30.4	<10	<2



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Submitted By: Andrea Langerud

Receiving Lab: Canada-Whitehorse

Received: September 10, 2011

Report Date: October 16, 2011

Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI11001337.1

CLIENT JOB INFORMATION

Project: 210800
Shipment ID: YTG-017
P.O. Number
Number of Samples: 55

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.

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

CC: Randy Farmer
Rupa Mukherjee

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-1000	49	Crush, split and pulverize 1kg of sample to 200 mesh			VAN
G601	55	Fire Assay fusion Au by ICP-ES	30	Completed	VAN
1F04	55	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS



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



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Project: 210800
Report Date: October 16, 2011

Page: 2 of 3 Part 1

CERTIFICATE OF ANALYSIS

WHI11001337.1

	Method Analyte Unit MDL	WGHT	G6	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		kg	gm/t	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.005	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
1076198	Rock	2.31	<0.005	0.41	4.57	31.93	80.1	64	3.3	3.0	226	1.51	11.5	1.0	0.8	6.4	69.2	0.38	0.73	0.06	49
1076199	Rock	2.11	<0.005	0.23	2.76	15.99	56.1	31	3.3	3.6	425	1.45	6.8	1.2	<0.2	8.5	110.7	0.35	1.58	<0.02	33
1076200	Rock	3.20	<0.005	0.22	1.74	8.39	44.4	51	6.0	2.8	267	0.80	4.8	0.8	0.9	6.4	95.1	0.33	0.79	<0.02	30
1076127	Rock	2.42	<0.005	0.18	2.42	3.91	74.6	151	21.8	6.8	968	2.57	11.9	0.5	0.4	3.1	100.8	0.50	1.33	0.07	66
1076128	Rock	2.23	<0.005	0.20	1.74	11.11	40.5	33	8.1	2.2	265	0.58	5.4	0.8	1.8	3.9	52.9	0.28	0.73	<0.02	31
1076129	Rock	3.07	7.265	7.39	2288	337.5	527.0	67610	2.4	28.0	221	>40	6541	1.0	7268	0.1	10.1	38.06	30.42	142.3	37
1081966	Rock	2.58	0.119	2.12	54.87	18.26	108.0	459	4.1	6.3	493	2.70	23.9	1.6	137.9	8.7	50.6	1.03	0.73	0.42	68
1081967	Rock	3.70	0.090	1.81	100.6	19.05	136.5	424	3.9	5.9	498	2.50	15.2	1.3	55.5	7.0	56.1	0.73	0.48	0.25	56
1081968	Rock	3.83	0.292	9.03	243.4	27.38	302.7	833	3.8	6.9	476	1.94	40.2	1.3	80.3	7.0	47.5	1.20	0.87	0.57	40
1081969	Rock	2.14	0.192	39.61	386.8	11.59	96.1	451	3.5	9.6	264	2.75	17.0	2.5	228.6	9.5	52.4	1.04	0.42	0.38	69
1081970	Rock Pulp	0.06	0.218	156.9	1762	20.27	63.7	2021	17.0	17.0	367	3.84	25.8	4.3	173.2	9.6	66.4	0.84	2.64	2.00	57
1081971 Blank	Rock	N.A.	<0.005	0.07	2.23	3.27	43.7	24	2.5	3.8	587	2.14	0.6	2.1	12.0	6.6	68.9	<0.01	0.03	0.04	38
1081972	Rock	2.82	0.487	20.60	267.0	13.81	102.7	573	5.7	6.1	439	1.51	20.5	2.1	543.4	10.1	64.8	1.01	0.42	0.34	56
1081973	Rock	3.11	0.296	12.54	222.4	14.78	116.1	860	3.6	3.5	343	1.18	12.3	1.2	326.2	6.9	102.2	1.03	0.56	0.64	47
1081974	Rock	3.21	0.092	1.10	9.99	8.51	49.0	278	2.9	1.1	171	0.47	6.1	2.2	97.3	33.2	67.3	0.50	0.57	0.75	21
1082063	Rock	3.65	<0.005	0.44	7.46	6.79	29.0	27	5.2	7.5	328	2.08	3.5	3.9	17.7	14.0	27.3	0.02	0.13	0.04	57
1082064	Rock	3.61	<0.005	2.12	4.91	4.11	26.3	17	5.0	7.3	295	1.93	1.7	4.3	7.9	14.7	27.4	0.06	0.04	<0.02	54
1082065	Rock	3.09	<0.005	0.63	20.08	15.17	33.9	223	3.1	5.7	450	2.09	1.6	5.4	8.4	25.0	27.8	0.17	0.04	0.27	32
1082066	Rock	3.38	0.006	0.46	89.70	4.92	23.7	149	2.4	4.0	323	1.66	1.1	5.2	7.7	23.9	16.2	0.08	0.06	0.36	30
1082067	Rock	2.09	1.077	2.62	177.4	7.41	25.0	905	2.2	4.1	293	1.80	1.2	5.7	3148	20.4	14.3	0.05	0.21	59.47	35
1082068	Rock	3.38	0.013	21.75	66.73	4.39	23.6	142	2.3	3.9	282	1.67	1.1	5.1	7.5	20.2	14.5	0.04	0.07	2.87	34
1082069	Rock	3.73	0.030	1.80	4.53	3.49	27.6	19	2.6	4.3	332	1.78	0.8	5.3	28.4	19.9	13.7	0.04	0.10	0.86	35
1082070	Rock Pulp	0.06	0.209	152.9	1728	19.33	62.3	2007	16.2	15.8	353	3.78	24.5	3.9	160.8	8.9	63.6	0.74	2.72	2.09	55
1082071 Blank	Rock	N.A.	<0.005	<0.01	0.78	2.83	46.4	13	2.6	4.1	593	2.11	0.3	1.5	5.7	6.0	68.5	<0.01	<0.02	0.07	40
1082072	Rock	2.50	<0.005	1.31	9.14	9.18	31.6	93	2.4	3.6	342	1.62	0.9	3.9	2.8	22.2	13.1	0.09	0.12	0.75	25
1082073	Rock	2.67	<0.005	57.50	19.33	5.82	28.8	69	2.3	3.2	323	1.53	0.6	3.2	2.8	24.6	11.6	0.04	0.06	0.98	25
1082074	Rock	2.72	0.007	10.90	1051	33.20	43.5	5270	2.2	4.8	243	1.62	4.6	4.2	9.1	14.8	12.2	0.84	0.29	15.51	22
1082075	Rock	2.66	0.304	2.09	67.92	5.64	25.3	305	2.4	3.5	308	1.74	0.9	3.5	37.1	18.8	14.8	0.09	0.24	42.48	27
1082076	Rock	2.55	<0.005	29.16	105.2	5.26	13.0	283	1.3	1.6	153	1.33	1.0	5.4	2.4	15.9	8.6	0.03	0.11	1.49	8
1082077	Rock	2.84	<0.005	0.58	76.36	4.13	33.9	226	1.9	3.7	347	1.89	1.1	3.9	3.5	19.5	17.4	0.07	0.11	0.89	27



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Project: 210800
Report Date: October 16, 2011

Page: 2 of 3 Part 2

CERTIFICATE OF ANALYSIS

WHI11001337.1

	Method Analyte Unit MDL	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1076198	Rock	0.77	0.084	9.6	19.3	0.45	129.6	0.086	<20	1.20	0.133	0.06	0.1	1.9	<0.02	<0.02	<5	0.2	<0.02	4.6	0.56
1076199	Rock	1.08	0.076	10.7	15.1	0.72	210.9	0.083	<20	1.69	0.117	0.04	0.1	2.2	<0.02	<0.02	<5	0.1	<0.02	5.8	1.58
1076200	Rock	0.98	0.086	8.6	27.5	0.59	150.5	0.086	<20	1.41	0.160	0.03	0.1	2.3	<0.02	<0.02	<5	0.1	<0.02	4.3	1.54
1076127	Rock	0.95	0.078	8.5	67.2	1.59	123.2	0.081	<20	2.35	0.110	0.04	<0.1	5.7	<0.02	<0.02	<5	0.2	0.04	6.9	1.63
1076128	Rock	0.67	0.082	7.9	26.4	0.47	81.7	0.101	<20	0.91	0.128	0.01	<0.1	2.7	0.02	<0.02	<5	0.1	<0.02	3.1	0.42
1076129	Rock	0.05	0.144	<0.5	36.3	0.03	79.2	<0.001	<20	0.18	0.006	0.01	0.4	0.6	0.03	0.07	23	14.0	0.65	0.8	0.17
1081966	Rock	0.89	0.079	14.0	23.1	1.19	172.6	0.133	56	1.83	0.117	0.18	0.1	4.0	0.13	0.04	<5	0.5	0.03	7.3	3.32
1081967	Rock	0.86	0.085	11.1	20.9	1.00	133.5	0.114	<20	1.81	0.125	0.10	<0.1	3.4	0.07	0.05	7	0.4	<0.02	6.7	1.50
1081968	Rock	0.72	0.071	10.3	16.4	0.75	196.3	0.060	<20	1.62	0.104	0.14	0.1	2.4	0.13	0.04	11	0.7	0.02	5.3	0.96
1081969	Rock	1.00	0.077	15.1	18.3	1.10	109.8	0.165	<20	1.82	0.114	0.11	0.2	3.7	0.06	0.17	<5	1.5	<0.02	7.7	0.85
1081970	Rock Pulp	1.66	0.068	16.8	71.8	0.84	71.7	0.029	<20	1.65	0.056	0.55	1.1	5.0	0.29	1.69	86	2.7	0.17	4.8	1.82
1081971 Blank	Rock	0.55	0.074	17.7	5.2	0.51	153.6	0.113	<20	0.96	0.088	0.45	<0.1	1.9	0.30	<0.02	<5	<0.1	<0.02	5.0	2.84
1081972	Rock	1.23	0.078	10.4	18.3	1.02	86.0	0.086	<20	1.71	0.136	0.07	0.3	3.5	0.06	0.06	<5	0.5	0.15	5.6	1.25
1081973	Rock	1.21	0.072	9.3	18.0	0.87	104.2	0.085	<20	1.94	0.228	0.04	0.3	3.0	0.03	0.05	<5	0.7	0.07	6.0	1.12
1081974	Rock	1.01	0.056	14.1	9.4	0.31	62.3	0.085	<20	1.12	0.164	0.02	<0.1	1.2	<0.02	<0.02	<5	0.3	0.16	3.6	1.28
1082063	Rock	0.64	0.055	14.9	20.1	0.67	282.3	0.180	<20	1.05	0.085	0.29	<0.1	2.5	0.18	<0.02	11	0.3	<0.02	4.3	1.40
1082064	Rock	0.61	0.051	15.2	19.2	0.65	188.2	0.149	<20	1.07	0.080	0.21	8.0	2.6	0.09	<0.02	9	0.4	<0.02	4.5	0.98
1082065	Rock	0.73	0.037	21.5	9.2	0.44	136.3	0.034	<20	0.86	0.055	0.23	<0.1	3.5	0.17	<0.02	5	0.3	<0.02	3.8	3.73
1082066	Rock	0.62	0.031	21.5	7.5	0.39	163.7	0.110	<20	0.83	0.057	0.24	0.2	2.0	0.22	<0.02	<5	0.2	<0.02	4.1	2.50
1082067	Rock	0.34	0.035	16.5	8.6	0.41	244.9	0.141	<20	0.83	0.072	0.35	0.1	1.8	0.33	0.03	9	0.8	1.57	4.0	2.74
1082068	Rock	0.43	0.034	17.4	8.2	0.39	226.3	0.137	<20	0.81	0.060	0.33	1.3	1.7	0.31	<0.02	<5	0.3	0.05	4.1	3.03
1082069	Rock	0.34	0.034	15.9	8.9	0.40	276.5	0.142	<20	0.84	0.071	0.41	2.4	1.8	0.38	<0.02	<5	0.1	0.04	4.0	3.40
1082070	Rock Pulp	1.62	0.065	16.4	68.4	0.81	80.0	0.027	<20	1.58	0.055	0.54	1.0	4.7	0.29	1.65	112	2.8	0.31	4.6	1.74
1082071 Blank	Rock	0.55	0.075	16.3	5.4	0.52	158.5	0.126	<20	0.96	0.092	0.47	<0.1	2.0	0.30	<0.02	<5	0.1	<0.02	5.1	2.67
1082072	Rock	0.34	0.029	24.3	7.0	0.34	218.2	0.112	<20	0.75	0.057	0.31	4.1	1.7	0.29	<0.02	<5	0.1	<0.02	3.9	2.62
1082073	Rock	0.29	0.026	21.5	7.0	0.30	199.0	0.111	<20	0.67	0.062	0.31	4.9	1.3	0.29	<0.02	<5	0.1	0.05	3.8	2.53
1082074	Rock	0.26	0.029	19.7	5.9	0.32	150.5	0.072	<20	0.65	0.043	0.21	>100	1.7	0.22	0.03	<5	1.1	0.58	3.4	2.63
1082075	Rock	0.28	0.033	20.8	6.8	0.35	303.8	0.131	<20	0.78	0.073	0.42	5.4	1.7	0.41	<0.02	<5	0.4	0.70	3.8	4.05
1082076	Rock	0.16	0.015	18.7	2.3	0.17	233.4	0.074	<20	0.48	0.049	0.20	3.7	1.6	0.17	<0.02	7	0.5	<0.02	2.9	2.34
1082077	Rock	0.34	0.033	20.4	6.6	0.37	349.5	0.148	<20	0.87	0.087	0.47	1.0	1.8	0.43	<0.02	<5	0.2	<0.02	4.4	4.18



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Project: 210800
Report Date: October 16, 2011

Page: 2 of 3 Part 3

CERTIFICATE OF ANALYSIS

WHI11001337.1

	Method Analyte Unit MDL	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10
1076198	Rock	<0.1	0.08	0.08	1.9	0.7	<0.05	2.3	5.20	21.0	<0.02	<1	0.3	4.8	<10
1076199	Rock	<0.1	0.13	0.17	1.5	0.8	<0.05	4.0	5.07	21.5	<0.02	<1	0.2	7.5	<10
1076200	Rock	<0.1	0.06	0.11	1.4	0.8	<0.05	2.1	5.43	19.1	<0.02	1	0.2	6.5	<10
1076127	Rock	<0.1	0.02	0.03	2.2	0.5	<0.05	1.6	6.05	18.6	<0.02	<1	0.3	15.5	<10
1076128	Rock	<0.1	0.10	0.14	0.8	0.6	<0.05	2.8	6.14	18.1	<0.02	<1	0.2	5.3	<10
1076129	Rock	<0.1	<0.02	<0.02	0.5	2.4	<0.05	<0.1	0.90	1.1	4.69	<1	<0.1	0.1	<10
1081966	Rock	<0.1	0.05	0.09	10.1	1.4	<0.05	1.5	7.21	28.8	0.05	<1	0.2	16.1	<10
1081967	Rock	<0.1	0.05	0.07	4.2	1.1	<0.05	1.4	6.83	22.6	0.07	<1	0.3	13.6	<10
1081968	Rock	<0.1	0.07	0.06	6.6	1.1	<0.05	2.3	5.67	21.1	0.09	3	0.3	10.7	<10
1081969	Rock	<0.1	0.07	0.16	4.5	1.7	<0.05	3.2	7.32	30.5	0.05	14	0.4	15.5	<10
1081970	Rock Pulp	<0.1	0.05	<0.02	34.5	1.8	<0.05	2.4	9.79	31.2	0.06	46	0.5	7.8	16
1081971 Blank	Rock	<0.1	0.05	0.38	41.0	0.6	<0.05	1.0	5.52	31.0	<0.02	<1	0.3	30.1	<10
1081972	Rock	<0.1	0.09	0.08	3.8	1.7	<0.05	3.1	7.24	22.5	0.05	8	<0.1	13.6	<10
1081973	Rock	<0.1	0.11	0.10	2.2	1.5	<0.05	3.0	6.24	20.8	0.08	5	0.4	11.8	<10
1081974	Rock	<0.1	0.06	0.28	1.1	1.6	<0.05	1.3	6.90	28.8	0.03	<1	0.4	2.7	<10
1082063	Rock	<0.1	0.05	0.13	22.2	3.5	<0.05	1.1	5.91	26.8	<0.02	<1	0.4	13.9	<10
1082064	Rock	<0.1	0.02	0.08	16.6	0.4	<0.05	0.9	5.49	27.1	<0.02	<1	0.3	12.4	<10
1082065	Rock	<0.1	0.07	<0.02	21.0	0.5	<0.05	2.5	9.27	38.4	<0.02	<1	0.4	11.6	<10
1082066	Rock	<0.1	0.09	0.13	25.7	1.1	<0.05	2.4	7.23	38.2	<0.02	<1	0.3	16.3	<10
1082067	Rock	<0.1	0.07	0.13	35.6	1.1	<0.05	2.1	5.79	31.4	<0.02	<1	0.2	22.0	<10
1082068	Rock	<0.1	0.10	0.24	36.3	1.1	<0.05	2.5	5.74	32.6	<0.02	<1	0.4	17.1	<10
1082069	Rock	<0.1	0.08	0.26	42.9	1.1	<0.05	2.2	5.70	30.4	<0.02	<1	0.2	18.8	<10
1082070	Rock Pulp	<0.1	0.06	<0.02	32.4	1.6	<0.05	2.4	9.52	30.8	0.05	38	0.5	8.1	<10
1082071 Blank	Rock	<0.1	0.08	0.47	41.3	0.6	<0.05	1.3	5.80	29.3	0.02	<1	0.2	30.6	<10
1082072	Rock	<0.1	0.18	0.28	31.2	1.3	<0.05	5.5	5.49	43.4	<0.02	<1	0.1	10.6	<10
1082073	Rock	<0.1	0.22	0.31	32.3	1.0	<0.05	6.6	4.98	38.3	<0.02	2	0.2	13.5	<10
1082074	Rock	<0.1	0.11	0.29	22.2	2.0	<0.05	3.7	5.19	34.5	0.07	3	0.2	9.1	<10
1082075	Rock	<0.1	0.09	0.32	43.7	1.3	<0.05	2.8	5.45	39.2	<0.02	<1	0.1	13.9	<10
1082076	Rock	<0.1	0.18	0.77	20.2	0.8	<0.05	5.0	7.13	34.2	<0.02	1	0.2	10.6	<10
1082077	Rock	<0.1	0.13	0.36	46.4	1.6	<0.05	4.0	6.38	41.2	<0.02	1	0.4	16.0	<10



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Report Date: October 16, 2011

Page: 3 of 3 Part 1

CERTIFICATE OF ANALYSIS

WHI11001337.1

	Method Analyte Unit MDL	WGHT	G6	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
		kg	gm/t	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
		0.01	0.005	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
1082078	Rock	2.62	0.026	3.37	86.39	4.67	29.3	180	3.2	6.0	358	2.08	1.9	5.1	19.5	21.2	20.2	0.09	0.23	1.33
1082079	Rock	3.99	0.108	95.88	212.2	3.76	32.3	593	3.2	5.5	329	2.10	1.3	3.7	659.8	21.5	19.6	0.04	0.16	5.79
1082080	Rock	3.00	<0.005	5.34	13.42	4.48	24.0	35	2.7	4.3	326	1.73	1.4	4.9	0.7	21.5	14.8	0.03	0.14	0.13
1082081	Rock	2.65	<0.005	0.57	1.46	7.22	36.4	7	2.9	6.5	451	2.21	1.3	6.1	4.1	21.0	27.2	0.10	0.21	0.04
1082082	Rock	3.38	<0.005	0.53	1.59	5.41	33.4	7	2.8	5.7	426	2.31	1.4	5.1	4.0	19.5	31.2	0.10	0.14	0.03
1082083	Rock	2.27	<0.005	146.9	1.44	5.19	28.6	23	3.2	5.8	436	2.13	1.0	5.3	4.1	19.8	42.0	0.04	0.15	0.06
1082084	Rock	2.99	<0.005	3.19	1.13	20.21	46.5	19	3.4	7.7	745	2.78	5.7	7.9	2.7	23.6	170.1	0.05	0.04	0.04
1082085	Rock	2.38	<0.005	2.03	7.35	3.62	28.1	21	5.0	8.4	305	2.16	1.2	4.3	3.0	16.1	23.2	0.05	0.04	<0.02
1082086	Rock	2.42	0.006	0.59	15.92	4.29	29.6	26	16.3	7.5	247	2.75	1.8	1.1	8.4	9.6	6.7	0.03	0.06	0.26
1082087	Rock	2.74	<0.005	0.29	6.29	3.55	4.5	10	6.0	2.2	69	0.67	0.6	0.3	2.5	2.4	4.4	0.02	0.06	0.03
1082088	Rock	2.52	<0.005	0.30	9.66	2.38	2.7	25	0.7	0.4	52	0.48	0.6	3.9	3.3	0.6	14.3	0.04	0.11	0.17
1082089	Rock	2.43	<0.005	54.23	9.09	6.67	40.4	32	6.1	10.1	438	2.61	3.8	4.3	2.6	14.3	37.9	0.06	0.13	0.07
1082090	Rock Pulp	0.06	0.224	155.6	1739	21.19	62.6	1946	16.0	16.0	351	3.71	23.8	4.1	108.8	9.2	64.3	0.98	3.67	2.34
1082091 Blank	Rock	N.A.	<0.005	0.30	3.13	2.88	44.2	11	2.6	3.6	562	1.99	0.1	1.5	5.1	6.1	64.0	0.01	0.02	0.06
1082092	Rock	3.34	<0.005	0.54	11.77	5.45	104.1	100	6.5	6.1	334	1.92	22.1	2.2	4.8	12.6	147.8	1.19	0.77	0.34
1082093	Rock	2.81	<0.005	0.13	0.70	2.63	34.4	36	6.3	7.0	659	3.54	5.1	1.0	3.0	2.5	162.4	0.11	3.00	0.48
1082094	Rock	3.89	0.007	1.54	82.88	21.63	106.0	361	7.4	12.4	363	1.97	40.8	1.4	8.8	9.4	111.9	1.19	1.05	0.13
1082095	Rock	3.67	0.009	0.57	52.82	13.97	68.6	260	4.7	5.6	270	2.11	61.8	0.8	10.3	4.3	165.2	0.60	2.36	0.21
1082096	Rock	3.05	0.035	1.21	46.95	5.96	36.4	163	5.1	9.9	197	1.13	196.2	1.0	20.3	9.7	87.6	0.27	0.48	0.31
1082097	Rock	3.26	0.093	3.12	145.0	9.47	59.5	283	3.2	5.5	292	2.77	8.7	1.4	84.1	6.9	57.4	0.51	0.65	0.30
1082098	Rock	2.98	0.118	8.05	411.9	9.88	45.5	1013	3.2	3.7	238	1.05	21.8	1.0	101.2	7.3	287.0	0.66	0.30	0.48
1082099	Rock	2.73	0.061	1.15	748.3	45.18	569.3	4349	3.6	8.7	907	2.45	15.1	1.6	49.2	7.1	78.1	6.74	0.70	0.93
1082100	Rock	3.24	0.022	0.99	692.1	39.70	543.1	3984	3.5	7.3	818	2.27	13.7	1.4	41.7	6.1	70.8	6.36	0.69	0.81
1076125	Rock	2.15	0.005	0.41	2.33	8.57	76.2	34	5.1	6.3	511	1.84	4.9	1.0	4.0	8.5	87.8	0.25	0.74	0.04
1076126	Rock	2.58	<0.005	0.21	5.47	4.43	21.8	42	14.4	3.1	196	1.57	4.2	0.6	3.5	4.9	51.1	0.43	0.72	0.03



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Page: 3 of 3 Part 2

CERTIFICATE OF ANALYSIS

WHI11001337.1

	Method Analyte Unit MDL	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1082078	Rock	0.47	0.049	22.4	11.2	0.49	226.3	0.108	<20	0.88	0.063	0.24	0.7	3.0	0.18	<0.02	5	0.2	0.05	4.5	2.09
1082079	Rock	0.50	0.052	23.4	12.2	0.55	334.1	0.184	<20	1.04	0.089	0.40	1.2	2.0	0.30	0.04	<5	0.4	0.19	4.8	2.09
1082080	Rock	0.41	0.034	18.0	8.5	0.40	193.0	0.106	<20	0.80	0.055	0.25	18.1	2.2	0.23	<0.02	<5	0.3	<0.02	4.0	2.55
1082081	Rock	0.69	0.046	23.4	11.7	0.55	322.8	0.167	<20	1.00	0.062	0.46	0.3	4.2	0.45	<0.02	8	0.2	<0.02	4.9	4.93
1082082	Rock	0.79	0.042	22.4	12.0	0.54	267.1	0.125	<20	1.02	0.069	0.43	0.2	4.3	0.41	<0.02	8	<0.1	<0.02	5.0	4.78
1082083	Rock	1.14	0.044	25.2	11.9	0.52	234.8	0.105	<20	0.89	0.052	0.22	2.9	3.9	0.16	<0.02	11	0.2	<0.02	4.4	3.26
1082084	Rock	2.85	0.050	30.3	4.2	0.47	114.1	<0.001	<20	0.33	0.049	0.13	<0.1	6.2	0.05	<0.02	<5	0.2	<0.02	0.9	3.47
1082085	Rock	0.91	0.060	16.8	20.9	0.73	163.5	0.210	<20	1.20	0.067	0.21	32.0	2.5	0.10	<0.02	26	0.2	<0.02	5.3	0.80
1082086	Rock	0.10	0.024	22.1	29.7	0.56	85.2	0.129	<20	1.50	0.026	0.71	<0.1	2.8	0.36	0.02	<5	0.4	0.05	5.2	4.60
1082087	Rock	0.11	0.005	5.1	5.9	0.13	26.4	0.026	<20	0.36	0.020	0.16	<0.1	0.5	0.06	<0.02	<5	0.1	<0.02	1.2	0.47
1082088	Rock	0.08	0.032	2.2	1.4	<0.01	10.8	<0.001	<20	0.12	0.016	0.10	<0.1	0.3	<0.02	<0.02	<5	0.2	<0.02	0.3	0.29
1082089	Rock	1.33	0.064	17.1	26.6	0.94	87.5	0.155	<20	1.31	0.046	0.11	24.8	4.8	0.04	<0.02	23	0.2	<0.02	6.5	0.45
1082090	Rock Pulp	1.66	0.059	18.0	60.3	0.80	31.7	0.033	<20	1.42	0.049	0.50	1.4	4.9	0.27	1.58	89	2.9	0.27	4.5	1.71
1082091 Blank	Rock	0.48	0.067	16.0	4.8	0.49	150.7	0.140	<20	0.87	0.084	0.44	<0.1	1.9	0.31	<0.02	<5	0.3	0.02	4.7	2.75
1082092	Rock	1.27	0.046	12.5	11.3	0.94	217.1	0.107	<20	2.07	0.188	0.30	0.1	5.5	0.19	0.07	<5	0.5	0.06	7.2	4.92
1082093	Rock	2.84	0.052	5.1	11.2	0.84	220.9	0.078	<20	2.62	0.210	0.28	<0.1	2.4	0.03	<0.02	<5	0.3	0.12	6.9	1.86
1082094	Rock	1.60	0.075	14.7	15.4	0.82	140.6	0.118	<20	2.18	0.247	0.05	0.1	5.4	0.06	0.11	5	0.8	0.05	6.5	2.19
1082095	Rock	1.56	0.089	10.1	10.4	0.53	147.1	0.145	<20	2.55	0.271	0.13	0.2	4.0	0.09	0.05	<5	0.8	0.06	7.9	1.59
1082096	Rock	1.16	0.051	10.8	9.8	0.91	63.9	0.131	<20	2.10	0.204	0.07	<0.1	3.6	0.05	<0.02	<5	0.6	0.40	6.3	1.42
1082097	Rock	0.91	0.086	15.1	13.1	0.96	151.7	0.188	<20	1.80	0.144	0.16	0.1	3.8	0.07	0.07	<5	0.5	<0.02	7.2	1.12
1082098	Rock	2.69	0.085	9.4	17.2	0.91	62.3	0.092	<20	4.13	0.544	0.05	0.1	3.2	0.03	<0.02	17	0.6	0.10	10.8	2.16
1082099	Rock	1.60	0.080	10.6	17.7	1.24	137.0	0.038	<20	1.90	0.127	0.04	<0.1	5.5	0.05	0.15	36	1.5	0.07	6.3	2.72
1082100	Rock	1.48	0.070	9.8	16.3	1.14	124.3	0.037	<20	1.75	0.120	0.04	<0.1	5.2	0.04	0.14	40	1.4	0.02	5.8	2.46
1076125	Rock	0.97	0.075	7.8	30.3	1.20	232.3	0.101	<20	1.91	0.135	0.04	0.2	3.4	<0.02	<0.02	<5	0.2	<0.02	6.3	1.00
1076126	Rock	0.75	0.081	8.7	39.9	0.49	31.0	0.090	<20	0.88	0.085	0.02	0.1	2.6	<0.02	<0.02	<5	0.3	<0.02	3.3	0.71



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Report Date: October 16, 2011

Page: 3 of 3 **Part** 3

CERTIFICATE OF ANALYSIS

WHI11001337.1

	Method Analyte Unit MDL	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd
		ppm 0.1	ppm 0.02	ppm 0.02	ppm 0.1	ppm 0.1	ppm 0.05	ppm 0.1	ppm 0.01	ppm 0.1	ppm 0.02	ppb 1	ppm 0.1	ppm 0.1	ppb 10
1082078	Rock	<0.1	0.11	0.10	20.2	1.0	<0.05	3.7	7.39	41.7	<0.02	2	0.5	11.4	<10
1082079	Rock	<0.1	0.11	0.20	35.2	1.0	<0.05	2.7	6.55	42.9	0.04	<1	0.3	18.4	<10
1082080	Rock	<0.1	0.06	0.19	26.3	0.9	<0.05	1.7	6.29	33.9	<0.02	<1	0.2	14.2	<10
1082081	Rock	<0.1	0.10	0.15	47.4	2.0	<0.05	1.8	8.34	35.7	0.03	1	0.3	13.3	<10
1082082	Rock	<0.1	0.09	0.08	42.3	0.8	<0.05	1.9	7.86	34.5	<0.02	1	0.3	11.8	<10
1082083	Rock	<0.1	0.07	0.11	18.5	0.7	<0.05	1.5	8.78	36.7	<0.02	3	0.4	10.2	24
1082084	Rock	<0.1	<0.02	<0.02	6.8	0.1	<0.05	0.7	14.98	46.6	0.03	<1	0.5	0.6	<10
1082085	Rock	<0.1	0.09	0.09	14.2	0.4	<0.05	1.6	6.43	26.4	<0.02	1	0.2	12.2	<10
1082086	Rock	<0.1	<0.02	0.23	51.2	0.8	<0.05	0.6	4.30	41.0	<0.02	<1	0.6	16.3	<10
1082087	Rock	<0.1	<0.02	0.17	9.7	0.2	<0.05	<0.1	1.13	9.8	<0.02	<1	0.1	2.2	<10
1082088	Rock	<0.1	<0.02	0.08	3.6	0.3	<0.05	0.9	1.90	3.3	<0.02	2	0.5	0.5	<10
1082089	Rock	<0.1	0.10	0.08	7.1	0.6	<0.05	1.9	7.98	27.2	<0.02	35	0.3	11.5	<10
1082090	Rock Pulp	<0.1	0.10	<0.02	29.1	1.7	<0.05	2.6	10.00	29.8	0.06	44	0.3	6.8	29
1082091 Blank	Rock	0.1	0.11	0.44	40.2	0.6	<0.05	1.3	5.74	27.0	<0.02	<1	0.2	28.1	<10
1082092	Rock	<0.1	0.10	0.16	13.1	0.9	<0.05	2.6	12.97	22.1	0.03	2	0.2	19.4	<10
1082093	Rock	0.4	0.07	0.05	3.1	1.5	<0.05	2.6	10.80	7.7	0.10	<1	2.3	14.1	<10
1082094	Rock	0.1	0.13	0.08	2.6	1.6	<0.05	3.7	9.81	27.1	0.04	1	0.3	11.4	<10
1082095	Rock	0.2	0.08	0.08	6.4	1.8	<0.05	2.7	7.84	18.7	0.04	<1	0.3	7.9	<10
1082096	Rock	0.1	0.05	0.25	3.8	0.9	<0.05	1.1	6.55	18.1	<0.02	4	0.3	9.1	<10
1082097	Rock	0.1	0.14	0.17	7.0	1.9	<0.05	4.0	7.53	27.7	0.07	4	0.2	14.0	<10
1082098	Rock	0.1	0.05	0.10	2.0	0.8	<0.05	1.1	6.82	18.1	0.05	6	0.9	9.9	<10
1082099	Rock	<0.1	0.06	0.03	1.7	0.9	<0.05	1.1	9.65	20.8	0.15	1	0.3	15.2	<10
1082100	Rock	<0.1	0.05	0.03	1.6	0.9	<0.05	1.0	8.79	19.0	0.14	2	0.2	14.1	<10
1076125	Rock	<0.1	0.18	0.08	1.4	0.9	<0.05	4.8	5.82	14.2	<0.02	<1	0.3	9.8	<10
1076126	Rock	<0.1	0.07	0.09	0.8	0.3	<0.05	2.0	5.77	17.6	<0.02	2	0.3	4.0	<10



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Page: 1 of 2 Part 1

QUALITY CONTROL REPORT

WHI11001337.1

	Method Analyte Unit MDL	WGHT	G6	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		kg	gm/t	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.005	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
Pulp Duplicates																					
1076200	Rock	3.20	<0.005	0.22	1.74	8.39	44.4	51	6.0	2.8	267	0.80	4.8	0.8	0.9	6.4	95.1	0.33	0.79	<0.02	30
REP 1076200	QC			0.24	2.00	8.50	42.3	55	6.4	2.7	265	0.81	4.9	0.8	0.5	6.2	88.6	0.29	0.74	<0.02	30
1082074	Rock	2.72	0.007	10.90	1051	33.20	43.5	5270	2.2	4.8	243	1.62	4.6	4.2	9.1	14.8	12.2	0.84	0.29	15.51	22
REP 1082074	QC		0.009																		
1082093	Rock	2.81	<0.005	0.13	0.70	2.63	34.4	36	6.3	7.0	659	3.54	5.1	1.0	3.0	2.5	162.4	0.11	3.00	0.48	28
REP 1082093	QC		<0.005																		
1076125	Rock	2.15	0.005	0.41	2.33	8.57	76.2	34	5.1	6.3	511	1.84	4.9	1.0	4.0	8.5	87.8	0.25	0.74	0.04	48
REP 1076125	QC			0.38	2.07	8.71	71.3	35	5.0	6.2	467	1.84	5.1	1.0	3.7	8.6	89.3	0.24	0.70	0.04	48
Core Reject Duplicates																					
1081972	Rock	2.82	0.487	20.60	267.0	13.81	102.7	573	5.7	6.1	439	1.51	20.5	2.1	543.4	10.1	64.8	1.01	0.42	0.34	56
DUP 1081972	QC		0.584	21.75	232.5	13.90	100.6	543	5.6	5.5	445	1.49	19.9	2.2	586.1	10.1	68.1	1.05	0.47	0.42	55
1082095	Rock	3.67	0.009	0.57	52.82	13.97	68.6	260	4.7	5.6	270	2.11	61.8	0.8	10.3	4.3	165.2	0.60	2.36	0.21	61
DUP 1082095	QC		0.009	0.32	53.87	14.04	68.0	271	4.7	5.3	266	2.06	62.3	0.8	10.3	4.2	166.6	0.58	2.38	0.20	60
Reference Materials																					
STD DS8	Standard			13.02	107.5	122.7	321.3	1961	37.1	7.3	614	2.43	24.4	2.8	87.3	7.3	69.6	2.37	4.03	5.67	41
STD DS8	Standard			12.69	112.9	115.7	318.3	1524	37.3	7.6	624	2.54	24.8	2.6	97.6	6.6	68.4	2.39	4.40	6.65	40
STD OREAS45CA	Standard			0.57	500.9	20.12	61.4	258	253.5	85.2	899	15.61	4.3	1.2	60.7	7.1	15.7	0.07	0.05	0.15	193
STD OREAS45CA	Standard			0.86	497.5	22.55	65.4	284	248.3	84.7	949	15.57	3.1	1.4	37.8	7.7	16.5	0.10	0.11	0.19	214
STD OXH82	Standard		1.264																		
STD OXH82	Standard		1.329																		
STD OXH82	Standard		1.357																		
STD OXK79	Standard		3.555																		
STD OXK79	Standard		3.765																		
STD OXK79	Standard		3.665																		
STD OXH82 Expected			1.278																		
STD OXK79 Expected			3.532																		
STD DS8 Expected				13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	4.8	6.67	41.1
STD OREAS45CA Expected				1	494	20	60	275	240	92	943	15.69	3.8	1.2	43	7	15	0.1	0.13	0.19	215



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Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

WHI11001337.1

Method Analyte Unit MDL		1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
Pulp Duplicates																					
1076200	Rock	0.98	0.086	8.6	27.5	0.59	150.5	0.086	<20	1.41	0.160	0.03	0.1	2.3	<0.02	<0.02	<5	0.1	<0.02	4.3	1.54
REP 1076200	QC	0.99	0.082	8.1	26.9	0.59	144.8	0.079	<20	1.43	0.162	0.03	<0.1	2.1	<0.02	<0.02	<5	0.2	<0.02	4.4	1.43
1082074	Rock	0.26	0.029	19.7	5.9	0.32	150.5	0.072	<20	0.65	0.043	0.21	>100	1.7	0.22	0.03	<5	1.1	0.58	3.4	2.63
REP 1082074	QC																				
1082093	Rock	2.84	0.052	5.1	11.2	0.84	220.9	0.078	<20	2.62	0.210	0.28	<0.1	2.4	0.03	<0.02	<5	0.3	0.12	6.9	1.86
REP 1082093	QC																				
1076125	Rock	0.97	0.075	7.8	30.3	1.20	232.3	0.101	<20	1.91	0.135	0.04	0.2	3.4	<0.02	<0.02	<5	0.2	<0.02	6.3	1.00
REP 1076125	QC	0.97	0.077	7.7	29.2	1.19	225.5	0.102	<20	1.88	0.135	0.04	0.2	3.4	<0.02	<0.02	5	0.2	<0.02	6.2	1.01
Core Reject Duplicates																					
1081972	Rock	1.23	0.078	10.4	18.3	1.02	86.0	0.086	<20	1.71	0.136	0.07	0.3	3.5	0.06	0.06	<5	0.5	0.15	5.6	1.25
DUP 1081972	QC	1.22	0.078	11.1	18.1	0.99	92.5	0.089	<20	1.69	0.139	0.08	0.3	3.5	0.07	0.06	12	0.3	0.13	5.6	1.27
1082095	Rock	1.56	0.089	10.1	10.4	0.53	147.1	0.145	<20	2.55	0.271	0.13	0.2	4.0	0.09	0.05	<5	0.8	0.06	7.9	1.59
DUP 1082095	QC	1.57	0.084	10.8	10.0	0.52	147.3	0.147	<20	2.57	0.277	0.13	0.2	4.0	0.10	0.05	<5	0.5	0.08	8.2	1.63
Reference Materials																					
STD DS8	Standard	0.72	0.082	17.4	119.7	0.61	291.8	0.105	<20	0.93	0.088	0.40	1.7	2.1	5.27	0.17	212	5.2	4.87	4.7	2.37
STD DS8	Standard	0.71	0.071	15.9	118.3	0.62	275.2	0.121	<20	0.94	0.091	0.42	2.7	2.1	5.00	0.16	173	4.9	4.27	4.8	2.28
STD OREAS45CA	Standard	0.40	0.036	16.1	725.8	0.14	160.1	0.102	<20	3.88	0.011	0.08	<0.1	37.0	0.07	0.03	28	1.1	<0.02	18.5	1.13
STD OREAS45CA	Standard	0.45	0.040	18.0	676.7	0.17	159.7	0.141	<20	3.65	0.006	0.07	<0.1	38.4	0.07	<0.02	29	0.5	0.06	19.0	1.14
STD OXH82	Standard																				
STD OXH82	Standard																				
STD OXH82	Standard																				
STD OXK79	Standard																				
STD OXK79	Standard																				
STD OXK79	Standard																				
STD OXH82 Expected																					
STD OXK79 Expected																					
STD DS8 Expected		0.7	0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48
STD OREAS45CA Expected		0.4265	0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		39.7	0.07	0.021	30	0.5	0.06	18.4	1.03



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Report Date: October 16, 2011

Page: 1 of 2 Part 3

QUALITY CONTROL REPORT

WHI11001337.1

	Method Analyte Unit MDL	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
Pulp Duplicates																
1076200	Rock	<0.1	0.06	0.11	1.4	0.8	<0.05	2.1	5.43	19.1	<0.02	1	0.2	6.5	<10	<2
REP 1076200	QC	<0.1	0.05	0.09	1.4	0.8	<0.05	1.9	4.95	17.8	<0.02	2	0.4	6.2	<10	<2
1082074	Rock	<0.1	0.11	0.29	22.2	2.0	<0.05	3.7	5.19	34.5	0.07	3	0.2	9.1	<10	<2
REP 1082074	QC															
1082093	Rock	0.4	0.07	0.05	3.1	1.5	<0.05	2.6	10.80	7.7	0.10	<1	2.3	14.1	<10	<2
REP 1082093	QC															
1076125	Rock	<0.1	0.18	0.08	1.4	0.9	<0.05	4.8	5.82	14.2	<0.02	<1	0.3	9.8	<10	<2
REP 1076125	QC	<0.1	0.16	0.08	1.4	0.8	<0.05	4.8	5.98	14.9	<0.02	2	0.3	9.9	<10	<2
Core Reject Duplicates																
1081972	Rock	<0.1	0.09	0.08	3.8	1.7	<0.05	3.1	7.24	22.5	0.05	8	<0.1	13.6	<10	<2
DUP 1081972	QC	<0.1	0.10	0.10	4.2	1.9	<0.05	3.5	7.43	23.2	0.07	5	0.3	12.2	<10	<2
1082095	Rock	0.2	0.08	0.08	6.4	1.8	<0.05	2.7	7.84	18.7	0.04	<1	0.3	7.9	<10	<2
DUP 1082095	QC	0.2	0.09	0.07	6.0	1.8	<0.05	2.5	7.82	19.1	0.04	<1	0.4	7.8	<10	<2
Reference Materials																
STD DS8	Standard	<0.1	0.04	0.62	36.8	6.7	<0.05	1.4	5.88	31.4	2.25	65	5.0	27.3	100	327
STD DS8	Standard	<0.1	0.08	0.73	36.3	7.0	<0.05	1.7	5.82	25.8	2.36	47	5.6	24.5	85	311
STD OREAS45CA	Standard	<0.1	0.30	0.03	9.1	1.8	<0.05	13.4	7.87	34.8	0.11	<1	0.5	8.6	38	60
STD OREAS45CA	Standard	<0.1	0.58	0.14	9.1	2.1	<0.05	23.3	8.92	34.7	0.11	2	0.6	7.5	30	60
STD OXH82	Standard															
STD OXH82	Standard															
STD OXH82	Standard															
STD OXK79	Standard															
STD OXK79	Standard															
STD OXK79	Standard															
STD OXH82 Expected																
STD OXK79 Expected																
STD DS8 Expected		0.13	0.08	1.1	39	6.7	0.003	2.1	6.1	29.8	2.19	55	5.2	26.34	110	339
STD OREAS45CA Expected		0.11	0.5	0.22	8.2	1.8		21.6	7.84	35	0.09			6.2	36	61

QUALITY CONTROL REPORT

WHI11001337.1

		WGHT	G6	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		kg	gm/t	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.005	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
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank			<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	0.4	<0.1	<0.5	<0.01	<0.02	<0.02	<2
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
Prep Wash																					
G1	Prep Blank		<0.005	0.19	3.54	3.59	43.7	9	2.5	3.8	593	2.10	0.3	1.8	1.2	6.1	87.1	0.02	0.04	0.03	38
G1	Prep Blank		<0.005	0.20	3.35	3.39	46.4	9	2.8	3.8	633	2.16	0.3	1.7	<0.2	6.1	83.4	0.02	0.04	<0.02	38



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Project: 210800

Report Date: October 16, 2011

Page: 2 of 2 Part 2

QUALITY CONTROL REPORT

WHI11001337.1

		1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02
Prep Wash																			
G1	Prep Blank	0.61	0.075	17.5	5.7	0.50	165.7	0.128	<20	1.03	0.114	0.46	<0.1	2.2	0.30	<0.02	<5	0.2	<0.02
G1	Prep Blank	0.61	0.076	18.0	5.6	0.51	174.0	0.129	<20	1.07	0.120	0.50	<0.1	2.3	0.33	<0.02	<5	0.1	<0.02



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Page: 2 of 2 Part 3

QUALITY CONTROL REPORT

WHI11001337.1

		1F Ge ppm 0.1	1F Hf ppm 0.02	1F Nb ppm 0.02	1F Rb ppm 0.1	1F Sn ppm 0.1	1F Ta ppm 0.05	1F Zr ppm 0.1	1F Y ppm 0.01	1F Ce ppm 0.1	1F In ppm 0.02	1F Re ppb 1	1F Be ppm 0.1	1F Li ppm 0.1	1F Pd ppb 10	1F Pt ppb 2
BLK	Blank															
BLK	Blank															
BLK	Blank															
BLK	Blank															
BLK	Blank															
BLK	Blank															
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
Prep Wash																
G1	Prep Blank	<0.1	0.10	0.58	41.3	0.8	<0.05	1.7	6.89	33.1	<0.02	<1	0.4	29.2	<10	<2
G1	Prep Blank	<0.1	0.09	0.50	42.0	0.8	<0.05	1.5	6.69	33.0	<0.02	<1	0.3	29.8	<10	<2



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Submitted By: Andrea Langerud

Receiving Lab: Canada-Whitehorse

Received: September 26, 2011

Report Date: November 06, 2011

Page: 1 of 5

CERTIFICATE OF ANALYSIS

WHI11001503.1

CLIENT JOB INFORMATION

Project: 210800
Shipment ID: YTG-016
P.O. Number
Number of Samples: 93

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.

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

CC: Randy Farmer
Rupa Mukherjee

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-1000	89	Crush, split and pulverize 1kg of sample to 200 mesh			VAN
1F04	91	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN
G601	93	Fire Assay fusion Au by ICP-ES	30	Completed	VAN

ADDITIONAL COMMENTS



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



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Project: 210800
Report Date: November 06, 2011

Page: 2 of 5 Part 1

CERTIFICATE OF ANALYSIS

WHI11001503.1

	Method Analyte Unit MDL	WGHT	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		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
1076059	Rock	3.75	0.40	9.76	2.93	35.9	24	17.0	6.3	332	2.62	2.3	0.9	2.6	11.8	7.0	0.01	0.07	0.25	32	0.16
1076060	Rock	3.51	0.92	20.70	5.10	42.4	55	18.3	6.3	254	2.50	5.9	1.7	2.5	11.3	6.8	0.02	0.18	0.11	30	0.08
1076061	Rock	3.35	0.97	8.02	1.84	29.1	19	26.8	8.4	211	3.20	3.8	1.5	1.4	15.4	5.9	0.01	0.06	0.07	47	0.26
1076062	Rock	3.00	2.03	4.70	1.73	33.6	11	25.8	8.4	213	3.17	3.3	1.4	<0.2	14.4	6.4	0.02	0.06	0.04	48	0.28
1076063	Rock	3.23	0.89	15.94	1.64	47.7	9	33.6	12.3	302	4.29	4.4	2.3	2.4	20.7	10.2	0.02	0.05	0.03	54	0.28
1076064	Rock	3.40	0.21	9.56	1.58	39.2	11	3.8	12.7	410	3.32	2.1	0.8	2.3	5.0	86.4	0.06	0.08	0.04	115	1.46
1076065	Rock	3.37	0.66	6.25	2.26	38.4	8	3.0	11.8	411	3.42	1.7	1.1	0.8	7.0	68.9	0.06	0.08	0.03	100	1.23
1076066	Rock	2.96	0.10	8.35	1.39	50.3	44	41.0	14.7	351	4.38	3.3	1.1	0.3	9.7	7.0	0.05	0.16	0.06	52	0.16
1076067	Rock	3.07	2.13	33.05	2.89	34.0	73	10.6	4.9	475	3.15	8.1	1.1	0.9	7.5	14.3	0.02	0.16	0.08	32	0.08
1076068	Rock	3.22	0.51	1.26	2.07	18.7	16	3.5	5.8	267	2.03	23.6	1.4	51.0	16.3	21.1	0.05	0.10	0.16	47	0.41
1076069	Rock	3.37	4.40	54.44	4.75	42.5	302	14.5	4.4	223	2.16	25.6	1.3	2.0	3.1	4.9	0.23	0.16	0.19	49	0.09
1076070(GS-1)	Rock Pulp		0.60	20.07	9.07	49.5	33	24.3	11.0	427	2.77	4.3	1.4	0.7	7.4	91.0	0.04	0.12	0.23	14	3.74
1076071(BLK)	Rock		MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1076072	Rock	2.22	0.18	1.64	3.83	30.9	11	2.2	4.4	410	2.03	0.6	1.8	0.6	22.9	18.5	0.04	0.10	0.03	34	0.28
1076073	Rock	2.82	0.17	1.88	5.03	30.1	7	2.3	3.8	369	1.73	0.9	1.4	<0.2	21.7	19.5	0.01	0.20	0.04	30	0.36
1076074	Rock	3.76	19.11	15.39	3.26	23.3	31	2.5	4.2	317	1.86	0.5	4.1	0.7	20.7	17.4	0.06	0.06	0.14	35	0.35
1076075	Rock	4.17	8.61	24.82	4.38	25.3	48	2.6	4.2	303	1.83	0.6	4.1	2.0	22.0	15.0	0.06	0.08	0.11	35	0.41
1076076	Rock	3.49	87.39	6.50	4.09	26.2	16	2.8	4.3	338	1.89	0.7	5.0	1.1	20.7	19.3	0.09	0.08	0.48	36	0.36
1076077	Rock	4.41	106.7	10.59	4.79	21.8	19	2.8	4.2	295	1.81	0.8	5.9	17.0	19.8	18.8	0.09	0.08	0.65	33	0.39
1076078	Rock	3.37	2.36	26.47	3.08	24.3	53	2.8	4.5	330	1.89	0.5	4.0	42.2	21.3	18.3	0.05	0.04	0.15	37	0.34
1076079	Rock	3.47	10.76	13.26	4.68	29.8	24	2.7	4.4	339	1.91	0.7	4.0	6.2	21.3	15.7	0.07	0.07	0.15	36	0.42
1076080	Rock	2.76	2.23	35.89	6.37	7.1	148	1.4	0.9	123	0.85	1.6	9.1	28.0	29.3	3.2	0.03	0.33	1.10	5	0.05
1076081	Rock	2.96	1.57	2.72	8.23	28.2	35	2.3	3.2	409	1.70	6.5	4.8	0.4	23.4	17.6	0.12	0.32	0.18	14	0.31
1076082	Rock	3.08	1.09	2.25	8.11	27.2	49	2.5	3.2	387	1.62	3.4	4.2	3.3	23.1	15.2	0.09	0.24	0.13	15	0.23
1076083	Rock	3.27	3.48	74.06	7.35	42.0	208	2.8	2.2	189	0.63	13.8	1.5	68.0	9.4	51.4	0.31	0.80	0.15	29	0.92
1076084	Rock	3.50	0.22	7.92	4.39	34.9	121	7.3	1.3	379	0.65	2.5	0.9	22.3	5.2	28.0	0.23	0.21	0.12	36	0.27
1076085	Rock	3.74	0.30	17.44	4.54	28.0	70	1.7	7.2	250	1.96	11.1	0.4	2.7	3.6	40.5	0.10	0.70	0.14	14	0.41
1076086	Rock	3.71	0.64	37.78	3.97	23.8	49	20.2	9.8	215	3.21	22.2	1.2	7.1	4.8	149.1	0.09	0.43	0.15	96	2.04
1076087	Rock	3.42	0.26	3.90	7.25	12.5	172	2.0	0.3	77	0.57	8.7	<0.1	15.9	0.1	2.9	0.19	0.33	0.27	<2	0.02
1076088	Rock	4.07	10.95	76.86	54.41	1272	1852	11.2	4.1	817	1.88	11.9	1.3	81.8	7.0	77.6	18.89	0.64	2.71	71	1.68



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Project: 210800

Report Date: November 06, 2011

Page: 2 of 5 Part 2

CERTIFICATE OF ANALYSIS

WHI11001503.1

	Method Analyte Unit MDL	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1076059	Rock	0.028	24.3	42.2	0.63	77.1	0.089	<20	1.40	0.031	0.66	0.2	3.7	0.38	<0.02	<5	<0.1	<0.02	5.9	3.42
1076060	Rock	0.030	28.8	37.4	0.57	105.3	0.038	<20	1.48	0.027	0.56	0.2	3.3	0.32	0.04	<5	<0.1	<0.02	5.0	2.95
1076061	Rock	0.065	38.7	51.3	1.04	146.5	0.137	<20	2.08	0.045	1.26	0.2	6.5	0.61	<0.02	<5	<0.1	<0.02	8.7	5.04
1076062	Rock	0.052	33.5	52.7	1.00	133.2	0.150	<20	2.05	0.045	1.21	0.3	6.4	0.59	<0.02	<5	<0.1	<0.02	8.4	5.18
1076063	Rock	0.083	47.5	60.8	1.10	167.3	0.136	<20	2.74	0.044	1.71	0.2	4.4	0.78	0.02	<5	<0.1	0.02	8.8	8.30
1076064	Rock	0.102	8.3	20.4	1.14	662.7	0.288	<20	2.66	0.194	0.70	<0.1	3.5	0.28	<0.02	<5	<0.1	<0.02	7.8	2.21
1076065	Rock	0.106	11.7	18.0	1.08	694.5	0.299	<20	2.38	0.201	0.79	2.2	4.3	0.33	<0.02	<5	<0.1	<0.02	7.6	2.62
1076066	Rock	0.043	23.5	78.3	1.26	133.0	0.181	<20	2.72	0.048	1.40	0.2	7.3	0.89	<0.02	<5	<0.1	<0.02	11.0	5.99
1076067	Rock	0.046	13.2	40.7	0.89	80.1	0.034	<20	1.55	0.034	0.51	<0.1	4.2	0.31	0.42	<5	0.6	0.03	5.3	2.22
1076068	Rock	0.064	17.3	17.9	0.53	404.6	0.185	<20	0.98	0.088	0.49	0.5	1.9	0.31	<0.02	<5	<0.1	0.03	4.5	2.62
1076069	Rock	0.046	10.8	45.0	0.52	125.7	0.027	<20	0.94	0.014	0.27	<0.1	2.5	0.14	0.08	12	1.3	0.10	4.3	1.76
1076070(GS-1)	Rock Pulp	0.045	19.3	21.0	1.07	71.2	0.027	<20	1.24	0.022	0.21	<0.1	2.0	0.11	0.03	8	0.1	<0.02	3.5	0.89
1076071(BLK)	Rock	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1076072	Rock	0.042	24.8	12.7	0.49	192.8	0.087	<20	0.86	0.054	0.28	0.1	3.1	0.24	<0.02	8	<0.1	<0.02	4.3	3.94
1076073	Rock	0.038	23.8	11.9	0.40	247.2	0.131	<20	0.82	0.063	0.30	0.3	1.9	0.33	<0.02	<5	<0.1	<0.02	3.9	4.94
1076074	Rock	0.041	17.4	13.8	0.42	323.7	0.156	<20	0.87	0.088	0.46	11.5	1.8	0.43	<0.02	<5	<0.1	<0.02	3.9	3.32
1076075	Rock	0.042	20.5	15.2	0.44	256.4	0.140	<20	0.85	0.063	0.35	17.1	1.9	0.33	<0.02	<5	<0.1	<0.02	4.2	2.46
1076076	Rock	0.042	17.7	15.0	0.45	308.8	0.155	<20	0.87	0.081	0.42	6.5	1.8	0.40	<0.02	<5	<0.1	<0.02	4.1	2.89
1076077	Rock	0.042	19.7	13.4	0.43	296.9	0.133	<20	0.87	0.070	0.37	>100	<0.1	0.40	<0.02	<5	<0.1	0.05	4.2	3.58
1076078	Rock	0.047	21.3	14.1	0.45	357.1	0.165	<20	0.88	0.082	0.49	23.7	1.7	0.51	<0.02	<5	<0.1	<0.02	4.3	4.27
1076079	Rock	0.044	18.0	15.6	0.47	315.0	0.156	<20	0.92	0.074	0.41	22.8	1.8	0.37	<0.02	<5	<0.1	<0.02	4.2	2.82
1076080	Rock	0.006	12.7	10.9	0.09	43.5	0.019	<20	0.26	0.037	0.11	25.4	0.5	0.07	<0.02	<5	<0.1	0.12	1.4	0.83
1076081	Rock	0.027	23.7	9.9	0.18	130.6	0.025	<20	0.49	0.054	0.18	0.8	2.7	0.17	<0.02	<5	<0.1	<0.02	2.2	2.05
1076082	Rock	0.027	24.5	10.9	0.20	124.8	0.024	<20	0.48	0.047	0.16	1.2	2.8	0.13	<0.02	<5	<0.1	<0.02	2.4	2.18
1076083	Rock	0.079	11.4	6.9	0.34	75.4	0.103	<20	0.90	0.137	0.02	0.5	2.3	0.04	<0.02	9	<0.1	0.02	3.0	1.59
1076084	Rock	0.038	12.1	16.0	0.61	73.9	0.009	<20	1.18	0.120	0.04	0.3	7.0	0.04	<0.02	6	<0.1	0.03	3.8	2.24
1076085	Rock	0.036	6.6	6.9	0.77	58.5	0.097	<20	1.31	0.097	0.06	0.4	3.9	0.04	0.03	5	0.3	0.04	6.6	0.83
1076086	Rock	0.077	7.7	58.3	1.30	255.3	0.247	<20	3.83	0.282	0.44	0.2	6.4	0.30	0.17	<5	0.5	<0.02	11.4	2.32
1076087	Rock	<0.001	<0.5	27.4	<0.01	8.8	<0.001	<20	<0.01	0.018	<0.01	0.2	<0.1	0.06	<0.02	<5	<0.1	0.17	<0.1	0.13
1076088	Rock	0.095	7.8	54.1	1.92	159.0	0.088	<20	2.57	0.138	0.14	0.3	3.9	0.14	0.10	251	0.4	0.27	7.8	4.55



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Report Date: November 06, 2011

Page: 2 of 5 Part 3

CERTIFICATE OF ANALYSIS

WHI11001503.1

	Method Analyte Unit MDL	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	G6
		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Au
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	gm/t
		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.005
1076059	Rock	0.02	0.11	53.1	0.7	<0.05	0.4	6.06	49.5	<0.02	<1	0.4	23.2	<10	<2	<0.005
1076060	Rock	0.03	0.06	44.9	0.4	<0.05	1.1	5.98	57.4	<0.02	<1	0.8	24.0	<10	<2	<0.005
1076061	Rock	0.05	0.15	96.9	0.8	<0.05	1.2	10.46	74.9	<0.02	<1	0.5	38.7	<10	<2	<0.005
1076062	Rock	0.03	0.18	94.7	0.8	<0.05	0.9	9.31	65.7	<0.02	<1	0.6	37.4	<10	<2	<0.005
1076063	Rock	0.04	0.20	115.6	0.4	<0.05	1.7	12.49	88.3	<0.02	<1	0.8	32.8	<10	<2	0.005
1076064	Rock	0.08	0.05	36.1	0.3	<0.05	2.9	5.34	16.7	<0.02	<1	0.2	19.5	<10	<2	0.005
1076065	Rock	0.11	0.07	44.5	0.4	<0.05	2.0	6.21	22.2	<0.02	<1	0.2	19.0	<10	<2	<0.005
1076066	Rock	<0.02	0.22	112.5	1.1	<0.05	<0.1	7.06	47.1	0.03	<1	0.7	48.2	<10	<2	<0.005
1076067	Rock	<0.02	0.04	35.3	0.1	<0.05	0.5	5.70	26.8	<0.02	1	0.5	27.2	<10	<2	<0.005
1076068	Rock	0.07	0.15	38.0	0.5	<0.05	1.1	5.45	30.6	<0.02	<1	0.2	12.5	<10	<2	0.064
1076069	Rock	0.02	0.09	17.9	0.3	<0.05	0.9	3.94	21.1	0.02	6	0.3	14.0	<10	<2	<0.005
1076070(GS-1)	Rock Pulp	<0.02	0.36	14.1	0.7	<0.05	0.7	7.48	38.0	<0.02	<1	0.3	32.1	<10	<2	<0.005
1076071(BLK)	Rock	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	<0.005
1076072	Rock	0.09	0.23	26.0	0.8	<0.05	1.6	7.86	40.3	<0.02	<1	0.2	20.3	<10	<2	<0.005
1076073	Rock	0.09	0.28	33.4	1.1	<0.05	1.6	6.11	40.9	<0.02	<1	0.3	34.7	<10	<2	<0.005
1076074	Rock	0.10	0.32	46.3	1.0	<0.05	1.7	5.52	32.7	<0.02	<1	0.2	20.9	<10	<2	0.010
1076075	Rock	0.09	0.33	34.8	0.9	<0.05	1.4	5.78	37.1	<0.02	<1	0.3	18.9	<10	<2	0.009
1076076	Rock	0.10	0.28	41.6	1.1	<0.05	1.4	5.89	33.1	<0.02	1	0.2	19.6	<10	<2	<0.005
1076077	Rock	0.06	1.99	38.9	0.9	<0.05	1.0	5.52	34.8	<0.02	3	0.2	17.8	<10	<2	0.060
1076078	Rock	0.05	0.42	50.0	0.9	<0.05	1.0	5.56	36.8	<0.02	<1	0.2	20.2	<10	<2	0.007
1076079	Rock	0.08	0.28	37.7	1.0	<0.05	1.8	5.72	34.4	<0.02	<1	0.2	16.3	<10	<2	0.006
1076080	Rock	0.11	0.86	8.6	0.5	<0.05	2.6	5.12	23.2	<0.02	1	0.2	3.9	<10	<2	0.077
1076081	Rock	0.45	0.13	14.3	0.6	<0.05	14.9	6.27	39.5	<0.02	<1	0.3	4.5	<10	<2	<0.005
1076082	Rock	0.39	0.12	12.5	0.6	<0.05	13.5	6.17	41.2	<0.02	<1	0.4	4.7	<10	<2	<0.005
1076083	Rock	0.08	0.24	1.4	1.8	<0.05	2.0	9.11	23.2	0.04	4	0.2	4.1	<10	<2	0.072
1076084	Rock	0.03	0.03	2.2	0.8	<0.05	0.5	13.00	31.3	0.03	<1	0.3	9.9	<10	<2	0.007
1076085	Rock	0.03	0.44	3.0	0.5	<0.05	0.4	16.28	14.2	<0.02	<1	0.2	9.9	<10	<2	<0.005
1076086	Rock	<0.02	0.15	22.0	0.9	<0.05	0.2	7.67	15.1	<0.02	2	0.6	12.0	<10	<2	0.007
1076087	Rock	<0.02	<0.02	0.5	<0.1	<0.05	<0.1	0.20	0.3	<0.02	<1	<0.1	<0.1	<10	<2	0.020
1076088	Rock	0.08	0.06	9.4	1.1	<0.05	2.0	9.22	16.3	0.11	10	0.4	25.5	<10	<2	0.049



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Project: 210800
Report Date: November 06, 2011

Page: 3 of 5 Part 1

CERTIFICATE OF ANALYSIS

WHI11001503.1

	Method Analyte Unit MDL	WGHT	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%
		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
1076089	Rock	2.06	17.69	51.59	13.67	645.1	675	6.3	4.8	835	1.83	35.2	1.1	464.4	5.4	71.2	6.77	0.73	1.07	77
1076090	Rock Pulp	0.06	150.2	1784	21.16	60.9	2117	16.2	16.7	361	3.78	25.7	4.0	142.8	9.3	69.2	1.07	3.34	2.25	53
1076091[BLK]	Rock		MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1076092	Rock	3.42	40.88	570.7	19.81	93.5	1003	5.7	6.4	388	1.86	20.0	1.5	588.0	7.8	60.3	0.97	0.43	0.61	62
1076093	Rock	3.53	6.91	197.7	11.87	100.9	526	4.2	6.0	474	2.05	11.6	1.3	166.2	6.7	50.1	0.48	0.63	0.39	52
1076094	Rock	3.64	2.76	16.08	14.80	70.4	141	6.1	10.8	352	3.34	32.9	1.7	18.4	8.5	62.8	0.64	0.50	0.55	80
1076095	Rock	3.60	0.45	2.11	13.34	44.3	31	2.5	3.7	194	1.39	7.6	0.8	13.4	6.5	57.9	0.44	0.65	0.05	43
1076096	Rock	4.22	0.51	3.72	14.85	66.9	103	15.4	6.2	416	1.50	11.1	0.5	5.3	3.5	93.5	0.53	0.77	0.08	47
1076097	Rock	3.41	0.65	77.63	8.38	46.3	138	22.3	13.4	278	2.19	22.8	0.5	9.9	4.6	125.7	0.63	0.46	0.06	59
1076098	Rock	3.60	0.42	15.13	3.70	30.5	56	19.0	9.4	243	2.13	10.5	0.4	8.1	3.5	91.7	0.17	0.68	0.03	69
1076099	Rock	3.37	0.46	4.28	12.25	83.1	37	14.3	12.9	863	3.18	11.8	0.4	3.0	1.6	65.8	0.19	0.99	0.08	67
1076100	Rock	3.56	0.14	1.24	3.43	14.1	24	4.8	1.6	84	0.57	7.6	0.6	4.2	4.0	111.3	0.21	0.47	0.15	23
1076115	Rock	1.39	1.67	41.39	3.59	88.9	224	35.2	8.1	184	3.25	0.7	1.5	3.4	6.5	20.9	0.14	0.04	0.27	139
1076116	Rock	0.34	0.06	57.56	<0.01	8.9	20	79.1	17.2	187	1.19	0.2	<0.1	1.2	<0.1	111.6	0.04	<0.02	<0.02	20
1076117	Rock	2.00	0.61	39.75	14.06	38.5	128	8.6	7.9	370	2.30	35.2	1.1	11.1	8.7	110.1	0.42	0.92	0.22	85
1076118	Rock	2.82	0.49	52.79	8.30	44.8	192	4.9	6.5	281	1.25	75.9	0.9	36.9	9.8	106.2	0.56	0.67	0.17	38
1076119	Rock	1.82	0.22	2.25	5.33	6.9	200	1.1	0.2	45	0.29	5.7	<0.1	22.3	<0.1	2.5	0.12	0.27	0.30	<2
1076120	Rock	2.62	0.32	0.69	1.64	84.7	6	11.1	9.3	1179	5.13	2.0	0.3	2.1	3.9	48.2	0.08	1.20	0.07	38
1076121	Rock	2.28	1.02	6.67	4.09	49.9	47	3.1	5.7	327	1.94	8.0	3.0	5.2	23.3	20.3	0.13	0.20	0.05	39
1076122	Rock	2.43	2.54	22.53	3.68	74.2	126	4.0	7.0	416	2.33	7.3	2.7	1.5	20.0	24.5	0.22	0.18	0.08	47
1076123	Rock	2.95	0.41	14.29	5.06	118.0	35	2.9	4.4	369	1.75	8.0	4.3	2.3	25.7	29.5	1.01	0.17	0.06	29
1076124	Rock	1.84	0.19	1.28	2.63	34.1	25	3.1	6.0	356	2.01	0.6	3.4	3.9	22.0	18.2	0.02	0.05	<0.02	45
1076188	Rock	2.49	0.17	10.36	4.59	24.2	12	2.5	2.9	203	1.65	3.9	0.9	0.5	2.9	19.5	0.04	0.16	0.05	28
1076189	Rock	2.72	0.12	2.28	4.85	22.5	28	1.8	1.9	190	1.42	0.5	0.9	2.7	3.5	31.8	0.03	0.24	0.06	29
1076190	Rock Pulp	0.06	152.8	1803	20.78	60.7	2014	17.7	17.6	357	3.86	25.5	4.3	252.7	9.7	73.8	0.91	3.23	2.28	54
1076191	Rock	2.04	0.23	4.15	4.86	62.3	44	2.8	4.5	490	2.78	0.9	1.9	5.9	7.8	152.8	0.06	0.35	0.34	61
1076192	Rock	2.35	1.11	1.79	0.05	0.8	15	1.6	0.5	60	0.43	0.6	<0.1	2.9	0.2	1.1	<0.01	0.06	<0.02	<2
1076193	Rock	2.83	1.21	24.98	8.96	107.7	212	11.1	15.2	371	3.97	16.8	0.9	2.5	6.6	184.5	1.20	1.50	0.29	102
1076194	Rock	3.38	8.08	70.70	3.77	7.6	47	1.8	4.6	82	0.91	3.8	8.6	9.1	35.4	18.2	0.05	0.26	0.06	12
1076195	Rock	3.14	0.20	1.85	0.78	10.3	14	9.0	1.9	310	0.82	2.5	<0.1	0.3	0.7	5.9	0.06	0.56	0.26	12



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Project: 210800
Report Date: November 06, 2011

Page: 3 of 5 Part 2

CERTIFICATE OF ANALYSIS

WHI11001503.1

	Method Analyte Unit MDL	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1076089	Rock	0.112	13.3	26.6	1.60	148.6	0.076	<20	2.08	0.104	0.12	0.2	5.9	0.13	0.07	754	0.5	0.21	6.2	2.56
1076090	Rock Pulp	0.070	17.7	64.5	0.81	70.9	0.031	<20	1.48	0.055	0.52	1.5	5.0	0.32	1.70	96	2.5	0.31	4.7	1.74
1076091[BLK]	Rock	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
1076092	Rock	0.087	15.9	23.4	0.96	115.5	0.116	<20	1.48	0.153	0.12	0.2	4.6	0.09	0.06	9	0.5	0.10	5.2	1.73
1076093	Rock	0.082	12.1	20.9	0.93	69.9	0.127	<20	1.58	0.125	0.06	0.3	3.2	0.04	0.03	<5	0.3	0.09	5.7	1.05
1076094	Rock	0.086	7.9	31.1	1.17	273.4	0.145	<20	1.82	0.158	0.27	0.2	4.8	0.22	0.43	<5	0.8	<0.02	6.6	2.25
1076095	Rock	0.086	9.5	26.4	0.45	56.4	0.102	<20	1.01	0.139	0.07	0.1	1.4	<0.02	<0.02	<5	<0.1	<0.02	4.1	0.56
1076096	Rock	0.089	8.1	58.3	0.77	114.1	0.107	<20	1.70	0.201	0.03	<0.1	2.9	<0.02	<0.02	<5	0.1	<0.02	4.7	1.18
1076097	Rock	0.120	8.6	61.6	0.79	90.6	0.144	<20	2.00	0.267	0.14	<0.1	2.5	0.08	0.23	8	<0.1	<0.02	5.5	1.34
1076098	Rock	0.109	9.4	97.4	0.82	65.4	0.120	<20	1.68	0.176	0.05	<0.1	2.7	0.03	<0.02	12	<0.1	<0.02	5.3	1.15
1076099	Rock	0.080	4.9	75.4	1.84	332.7	0.126	<20	2.20	0.053	0.09	0.1	3.7	0.04	<0.02	7	<0.1	0.03	8.4	1.13
1076100	Rock	0.084	7.7	13.6	0.17	49.2	0.105	<20	1.06	0.181	0.03	<0.1	1.1	<0.02	<0.02	<5	<0.1	0.03	2.8	0.70
1076115	Rock	0.079	18.0	81.3	0.72	312.3	0.202	<20	2.31	0.053	0.83	0.5	7.9	0.38	0.08	<5	0.7	0.10	7.4	3.36
1076116	Rock	0.003	<0.5	283.7	2.01	26.6	0.022	<20	7.38	0.795	0.02	<0.1	4.7	<0.02	0.02	19	0.1	<0.02	5.9	0.14
1076117	Rock	0.089	12.2	14.4	0.87	233.0	0.147	<20	2.18	0.237	0.06	0.1	4.1	<0.02	0.02	6	<0.1	0.07	7.0	1.75
1076118	Rock	0.047	16.1	16.3	0.89	84.7	0.102	<20	1.91	0.193	0.08	0.1	3.9	0.11	0.03	7	0.2	0.10	6.2	2.72
1076119	Rock	<0.001	<0.5	19.5	<0.01	6.4	<0.001	<20	<0.01	0.014	<0.01	<0.1	<0.1	0.04	<0.02	7	<0.1	0.15	<0.1	0.08
1076120	Rock	0.095	9.5	23.9	0.99	664.3	0.120	<20	2.32	0.039	0.21	2.2	2.5	0.14	<0.02	<5	<0.1	0.03	6.8	2.26
1076121	Rock	0.054	23.2	14.3	0.50	273.3	0.189	<20	0.97	0.073	0.50	1.3	2.3	0.49	<0.02	9	<0.1	<0.02	4.2	4.81
1076122	Rock	0.063	24.0	15.6	0.61	277.5	0.207	<20	1.23	0.096	0.56	7.5	3.2	0.59	<0.02	11	<0.1	<0.02	5.3	5.88
1076123	Rock	0.036	24.5	13.2	0.42	292.9	0.143	<20	0.84	0.059	0.36	0.3	2.0	0.31	<0.02	<5	<0.1	0.02	3.9	2.89
1076124	Rock	0.058	25.2	14.5	0.52	439.8	0.236	<20	0.96	0.077	0.57	<0.1	1.6	0.44	<0.02	8	<0.1	0.03	4.0	3.26
1076188	Rock	0.043	6.2	8.3	0.40	57.4	0.029	<20	0.81	0.050	0.07	<0.1	1.8	0.04	<0.02	28	<0.1	<0.02	5.9	1.52
1076189	Rock	0.047	7.8	9.0	0.39	45.7	0.083	<20	0.96	0.066	0.09	0.1	2.7	0.04	<0.02	11	<0.1	<0.02	6.2	1.40
1076190	Rock Pulp	0.067	18.0	62.4	0.85	116.3	0.036	<20	1.48	0.055	0.51	1.3	5.1	0.28	1.74	93	2.5	0.31	4.3	1.76
1076191	Rock	0.099	18.6	13.9	0.64	107.9	0.188	<20	2.59	0.240	0.41	0.6	7.6	0.20	0.10	15	<0.1	0.11	10.8	1.40
1076192	Rock	0.005	<0.5	23.2	0.02	4.6	0.001	<20	0.06	0.002	<0.01	<0.1	0.1	<0.02	<0.02	<5	<0.1	<0.02	0.2	0.03
1076193	Rock	0.106	10.5	17.3	0.84	167.2	0.188	<20	3.49	0.204	0.06	0.3	5.1	<0.02	0.17	9	0.7	0.06	7.9	1.46
1076194	Rock	0.009	13.1	12.0	0.22	107.2	0.060	<20	0.42	0.053	0.19	0.2	1.6	0.09	<0.02	7	0.4	0.05	1.7	1.08
1076195	Rock	0.011	1.6	26.4	0.27	28.0	0.005	<20	0.24	0.010	0.01	<0.1	1.2	<0.02	<0.02	5	<0.1	0.04	0.9	0.24



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Report Date: November 06, 2011

Page: 3 of 5 Part 3

CERTIFICATE OF ANALYSIS

WHI11001503.1

	Method Analyte Unit MDL	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	G6
		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Au
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	gm/t
		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.005
1076089	Rock	0.16	0.07	7.4	2.2	<0.05	3.5	9.77	28.0	0.06	7	0.4	21.7	<10	<2	0.260
1076090	Rock Pulp	0.09	<0.02	30.3	1.8	<0.05	2.8	9.75	31.8	0.07	37	0.4	8.4	<10	<2	0.238
1076091[BLK}	Rock	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	<0.005
1076092	Rock	0.19	0.20	7.3	2.0	<0.05	4.7	8.27	29.4	0.18	13	0.2	15.8	10	<2	0.734
1076093	Rock	0.07	0.24	2.7	1.4	<0.05	1.7	6.72	22.3	0.07	2	0.2	12.4	<10	<2	0.380
1076094	Rock	0.12	0.07	14.1	1.5	<0.05	3.8	8.08	15.0	0.04	<1	0.2	12.7	<10	<2	0.014
1076095	Rock	0.05	0.19	2.9	0.3	<0.05	1.6	5.30	17.9	<0.02	<1	0.2	4.2	<10	<2	<0.005
1076096	Rock	0.06	0.09	1.6	0.5	<0.05	2.2	5.43	16.2	<0.02	<1	0.1	8.9	<10	<2	<0.005
1076097	Rock	0.03	0.12	7.3	0.3	<0.05	1.2	5.91	16.8	<0.02	4	0.4	7.8	<10	<2	0.012
1076098	Rock	<0.02	0.09	2.1	0.2	<0.05	1.1	5.64	17.7	<0.02	<1	<0.1	6.9	<10	<2	0.020
1076099	Rock	0.05	0.09	3.3	0.3	<0.05	2.7	3.65	9.1	<0.02	<1	0.4	17.4	<10	<2	<0.005
1076100	Rock	0.07	0.29	1.4	0.5	<0.05	1.9	5.05	16.2	<0.02	<1	0.2	1.5	<10	<2	<0.005
1076115	Rock	<0.02	0.28	67.6	1.3	<0.05	0.8	8.73	32.9	0.03	<1	1.2	17.4	<10	<2	<0.005
1076116	Rock	<0.02	<0.02	0.5	<0.1	<0.05	<0.1	0.99	0.3	<0.02	<1	<0.1	9.9	<10	<2	<0.005
1076117	Rock	0.05	0.09	3.5	1.2	<0.05	2.6	7.86	20.9	0.02	<1	0.3	12.7	<10	<2	0.014
1076118	Rock	<0.02	0.15	3.9	1.0	<0.05	0.5	10.74	26.7	0.03	<1	0.3	11.3	<10	<2	0.084
1076119	Rock	<0.02	<0.02	0.3	<0.1	<0.05	<0.1	0.12	0.1	<0.02	<1	<0.1	<0.1	<10	<2	0.028
1076120	Rock	0.08	0.12	9.6	0.4	<0.05	3.5	4.50	18.4	<0.02	<1	0.5	21.0	<10	<2	<0.005
1076121	Rock	0.11	0.47	52.9	1.7	<0.05	2.3	6.86	37.0	<0.02	<1	0.3	21.1	<10	<2	<0.005
1076122	Rock	0.09	0.36	59.7	3.7	<0.05	2.0	7.95	37.0	0.03	<1	0.5	23.5	<10	<2	<0.005
1076123	Rock	0.11	0.36	33.7	1.2	<0.05	2.6	7.26	38.3	<0.02	<1	0.3	13.9	<10	<2	<0.005
1076124	Rock	0.05	0.37	50.3	1.0	<0.05	1.1	5.58	36.8	<0.02	<1	0.2	27.5	<10	<2	<0.005
1076188	Rock	0.02	0.03	5.6	0.2	<0.05	0.6	4.27	11.5	<0.02	<1	0.1	13.3	<10	<2	<0.005
1076189	Rock	0.06	0.24	6.2	0.4	<0.05	1.0	4.33	13.5	<0.02	<1	0.2	13.2	<10	<2	<0.005
1076190	Rock Pulp	0.06	0.02	30.2	1.9	<0.05	2.5	10.48	30.3	0.05	40	0.4	8.0	19	4	0.208
1076191	Rock	0.06	0.17	27.4	0.7	<0.05	2.2	6.62	33.7	0.02	<1	0.7	12.1	<10	<2	<0.005
1076192	Rock	<0.02	0.05	0.4	<0.1	<0.05	0.1	0.25	0.5	<0.02	<1	<0.1	0.3	<10	<2	<0.005
1076193	Rock	0.04	0.08	1.8	1.1	<0.05	1.6	9.42	17.2	0.03	<1	0.3	10.2	<10	<2	<0.005
1076194	Rock	0.29	0.58	14.8	0.2	<0.05	8.8	8.30	21.6	<0.02	<1	<0.1	2.8	<10	<2	<0.005
1076195	Rock	<0.02	0.03	0.7	0.4	<0.05	0.4	1.68	3.1	<0.02	<1	0.1	3.4	<10	<2	<0.005



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Project: 210800
Report Date: November 06, 2011

Page: 4 of 5 Part 1

CERTIFICATE OF ANALYSIS

WHI11001503.1

	Method Analyte Unit MDL	WGHT	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		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
1076196	Rock	1.98	0.39	7.58	1.20	36.8	21	4.3	9.6	351	2.50	0.1	1.3	1.1	7.6	44.3	0.05	0.02	<0.02	81	0.64
1076197	Rock	2.53	0.51	13.11	5.25	34.7	21	5.4	7.4	298	2.01	1.6	0.9	0.9	16.3	24.1	0.07	0.13	0.04	50	0.61
1082047	Rock	3.55	0.15	3.87	2.87	34.5	16	3.1	7.0	358	2.03	0.7	1.9	0.5	18.6	17.1	0.03	0.12	0.05	46	0.43
1082048	Rock	3.25	0.29	3.24	2.39	35.1	17	3.4	6.7	366	2.14	0.5	5.1	0.4	20.5	25.7	0.02	0.12	0.03	48	0.42
1082049	Rock	3.25	0.18	3.44	2.79	36.5	11	3.4	7.0	385	2.16	0.6	2.7	0.3	19.7	22.7	0.03	0.13	0.03	49	0.48
1082050(GS-1)	Rock Pulp		0.59	20.76	8.16	47.6	37	25.8	11.8	395	2.64	4.0	1.4	0.6	7.3	84.2	0.04	0.14	0.18	14	3.42
1082051(BLK)	Rock		<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
1082052	Rock	4.13	0.75	9.52	8.56	67.7	55	6.3	6.2	308	2.10	10.7	0.8	1.1	6.4	46.5	0.26	0.47	0.86	50	0.66
1082053	Rock	3.79	15.01	41.69	6.72	186.3	652	43.0	2.2	102	1.10	8.2	5.6	1.2	2.7	64.1	1.82	0.19	0.21	353	0.48
1082054	Rock	2.74	0.47	2.15	5.26	6.1	13	1.3	0.6	80	0.59	1.7	5.3	2.7	27.3	3.1	0.03	0.10	0.23	12	0.06
1082055	Rock	2.48	0.33	3.08	5.56	33.9	34	3.2	4.9	469	2.19	6.9	5.1	<0.2	27.9	17.0	0.13	0.31	0.07	35	0.23
1082056	Rock	2.36	0.30	4.06	7.89	14.1	15	1.7	2.3	217	1.08	1.0	4.8	0.8	43.4	7.8	0.04	0.09	0.03	17	0.19
1082057	Rock	3.40	0.48	4.99	9.16	44.2	12	3.5	8.4	525	2.89	1.1	5.3	<0.2	17.8	84.9	0.06	0.05	0.04	61	1.61
1082058	Rock	3.72	0.89	3.55	4.63	36.0	13	3.4	7.2	382	2.26	0.7	4.8	0.3	22.4	23.8	0.05	0.06	1.57	50	0.53
1082059	Rock	2.99	0.57	13.70	2.20	23.8	28	4.7	8.9	207	1.78	0.5	0.7	1.6	1.9	137.9	0.05	<0.02	0.04	70	1.70
1082060	Rock	3.00	2.27	55.80	3.12	28.6	44	4.5	13.2	258	2.69	0.8	2.1	9.4	5.1	104.3	0.08	0.04	0.04	98	1.43
1082061	Rock	2.83	0.60	12.38	2.12	13.5	28	2.7	5.2	169	1.26	0.5	0.1	6.3	0.2	121.2	0.06	0.06	1.11	59	1.60
1082062	Rock	2.40	11.28	18.82	3.25	19.3	47	3.3	9.0	206	2.05	0.5	0.1	15.2	0.2	224.8	0.08	0.09	0.71	106	2.37
1081951(BLK)	Rock		<0.01	0.03	0.02	<0.1	<2	<0.1	<0.1	<1	<0.01	0.1	<0.1	2.6	<0.1	<0.5	<0.01	<0.02	<0.02	<2	<0.01
1081952	Rock	3.82	0.26	3.36	3.83	31.8	10	3.5	6.5	385	2.07	0.6	2.3	1.3	22.5	25.9	0.04	0.04	0.03	48	0.60
1081953	Rock	3.15	0.19	19.47	6.42	58.3	33	4.3	10.6	635	3.10	4.6	2.8	<0.2	12.6	19.1	0.07	0.22	0.21	84	0.88
1081954	Rock	2.58	0.23	3.48	3.46	35.8	16	3.3	6.4	386	2.03	0.6	4.9	0.5	26.0	25.2	0.03	0.06	0.03	46	0.52
1081955	Rock	2.96	0.28	4.42	3.05	39.2	22	3.1	7.0	413	2.21	0.6	2.5	0.9	20.8	26.6	0.05	0.05	0.03	52	0.47
1081956	Rock	1.54	0.23	7.26	6.49	9.9	32	1.4	2.0	172	0.95	1.0	9.2	<0.2	23.4	15.7	<0.01	0.08	<0.02	12	0.13
1081957	Rock	2.74	0.22	2.69	11.03	10.4	104	1.2	1.1	198	0.83	4.5	5.3	<0.2	12.7	11.5	0.03	0.97	2.47	9	0.12
1081958	Rock	3.26	0.21	13.65	3.31	38.0	26	4.4	9.2	417	2.41	0.9	2.8	<0.2	20.5	50.7	0.04	0.13	0.04	71	0.75
1081959	Rock	1.72	0.96	7.88	3.24	27.0	17	3.2	7.1	278	1.92	0.1	3.5	0.4	20.1	33.5	0.02	0.04	<0.02	57	0.64
1081960	Rock	2.66	3.30	3.76	3.56	16.5	15	2.5	4.0	224	1.25	0.2	1.8	<0.2	13.3	24.9	0.03	0.02	<0.02	29	0.33
1081961	Rock	3.00	0.14	9.42	3.65	24.0	25	2.5	5.8	241	1.75	0.2	4.5	<0.2	28.9	37.6	0.02	<0.02	<0.02	44	0.43
1081962	Rock	3.70	0.23	8.42	5.00	22.8	23	2.7	5.2	244	1.67	0.4	3.7	<0.2	25.1	37.9	0.04	0.03	<0.02	42	0.41



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Page: 4 of 5 Part 2

CERTIFICATE OF ANALYSIS

WHI11001503.1

	Method Analyte Unit MDL	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge
		% 0.001	ppm 0.5	ppm 0.5	% 0.01	ppm 0.5	% 0.001	ppm 20	% 0.01	% 0.001	% 0.01	ppm 0.1	ppm 0.1	ppm 0.02	% 0.02	ppb 5	ppm 0.1	ppm 0.02	ppm 0.1	ppm 0.02	ppm 0.1
1076196	Rock	0.080	10.8	12.7	0.75	856.9	0.329	<20	1.47	0.155	0.81	0.3	2.5	0.24	<0.02	<5	<0.1	<0.02	4.8	1.67	<0.1
1076197	Rock	0.070	19.2	17.1	0.53	490.4	0.250	<20	1.14	0.082	0.43	0.2	2.0	0.29	<0.02	<5	<0.1	0.02	4.4	2.62	<0.1
1082047	Rock	0.063	26.8	15.8	0.61	460.5	0.255	<20	1.02	0.076	0.58	0.1	2.0	0.44	<0.02	<5	<0.1	<0.02	4.0	2.88	<0.1
1082048	Rock	0.062	22.2	16.1	0.62	582.7	0.256	<20	1.03	0.103	0.67	<0.1	2.4	0.53	<0.02	<5	<0.1	<0.02	4.2	2.96	<0.1
1082049	Rock	0.066	23.4	16.1	0.62	608.6	0.262	<20	1.08	0.100	0.66	0.1	2.4	0.51	<0.02	<5	<0.1	<0.02	4.3	2.86	<0.1
1082050(GS-1)	Rock Pulp	0.041	20.6	20.1	1.02	61.4	0.034	<20	1.16	0.019	0.20	<0.1	2.0	0.09	0.03	7	0.1	<0.02	3.1	0.86	<0.1
1082051(BLK)	Rock	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
1082052	Rock	0.086	8.9	22.4	0.70	112.8	0.100	<20	1.22	0.112	0.07	0.2	2.0	0.02	0.02	<5	<0.1	0.09	4.8	1.09	<0.1
1082053	Rock	0.280	11.6	32.7	0.09	6547	0.013	24	0.57	0.008	0.18	0.6	2.3	0.09	0.04	656	9.7	0.11	1.8	0.49	<0.1
1082054	Rock	0.003	8.7	4.3	0.05	31.1	0.017	<20	0.20	0.045	0.10	0.3	0.6	0.04	<0.02	11	0.3	0.02	1.0	0.35	<0.1
1082055	Rock	0.040	29.3	10.0	0.44	231.9	0.102	<20	0.93	0.060	0.33	0.2	3.1	0.29	<0.02	11	0.2	0.04	4.2	3.53	0.1
1082056	Rock	0.016	18.6	5.8	0.23	95.7	0.075	<20	0.49	0.037	0.17	<0.1	0.9	0.13	<0.02	<5	<0.1	0.02	2.3	1.06	<0.1
1082057	Rock	0.053	18.7	16.4	0.86	148.2	0.019	<20	1.37	0.047	0.19	1.8	5.5	0.10	<0.02	7	0.2	0.05	5.9	1.88	<0.1
1082058	Rock	0.056	21.0	14.7	0.64	424.5	0.233	<20	1.05	0.081	0.54	0.8	2.4	0.45	<0.02	<5	0.1	0.03	4.6	2.78	0.1
1082059	Rock	0.099	8.8	9.0	0.55	191.1	0.137	<20	2.43	0.286	0.11	<0.1	1.7	<0.02	<0.02	5	0.1	<0.02	6.1	0.56	<0.1
1082060	Rock	0.096	9.5	10.0	0.73	310.6	0.226	<20	2.20	0.245	0.34	<0.1	2.8	0.12	0.18	<5	0.5	0.04	6.4	1.27	<0.1
1082061	Rock	0.048	2.1	10.5	0.45	52.2	0.099	<20	2.02	0.198	0.06	36.2	1.4	0.04	<0.02	<5	<0.1	0.11	4.6	0.97	<0.1
1082062	Rock	0.095	3.5	14.5	0.64	83.7	0.179	<20	3.55	0.454	0.11	18.9	2.5	0.06	<0.02	<5	0.2	0.07	7.9	1.78	<0.1
1081951(BLK)	Rock	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	0.03	<0.1	<0.02	<0.1
1081952	Rock	0.058	27.9	13.8	0.60	499.4	0.240	<20	1.07	0.096	0.56	0.1	2.3	0.39	<0.02	<5	<0.1	0.02	4.4	2.23	<0.1
1081953	Rock	0.127	23.2	15.4	0.96	772.3	0.352	<20	1.53	0.124	0.87	0.3	3.3	0.91	<0.02	<5	0.2	<0.02	6.3	8.28	0.1
1081954	Rock	0.060	28.3	13.3	0.59	491.1	0.238	<20	1.00	0.090	0.56	0.2	2.1	0.45	<0.02	<5	0.2	<0.02	4.4	2.19	<0.1
1081955	Rock	0.063	25.5	14.2	0.67	653.6	0.251	<20	1.13	0.100	0.69	0.1	2.5	0.51	<0.02	<5	0.2	<0.02	4.4	2.75	<0.1
1081956	Rock	0.010	9.0	5.5	0.17	37.8	0.030	<20	0.37	0.056	0.12	<0.1	0.9	0.05	<0.02	<5	0.1	<0.02	1.8	0.21	<0.1
1081957	Rock	0.009	10.2	5.0	0.14	83.6	0.049	<20	0.33	0.055	0.15	0.7	0.7	0.16	<0.02	6	0.2	<0.02	1.5	7.77	<0.1
1081958	Rock	0.075	26.3	21.2	0.80	604.7	0.288	<20	1.37	0.160	0.71	0.1	3.9	0.44	<0.02	<5	<0.1	<0.02	4.9	2.33	0.1
1081959	Rock	0.053	15.4	13.8	0.56	474.7	0.234	<20	1.11	0.086	0.54	0.1	1.8	0.32	<0.02	<5	<0.1	<0.02	4.1	1.58	<0.1
1081960	Rock	0.027	11.0	9.0	0.36	286.4	0.126	<20	0.65	0.064	0.32	<0.1	1.2	0.16	<0.02	<5	0.1	<0.02	2.4	0.83	<0.1
1081961	Rock	0.041	27.3	12.3	0.43	423.8	0.183	<20	0.90	0.102	0.47	<0.1	1.7	0.29	<0.02	<5	0.2	<0.02	3.6	2.02	<0.1
1081962	Rock	0.037	17.0	11.6	0.48	385.6	0.168	<20	0.91	0.111	0.45	<0.1	1.7	0.28	<0.02	<5	0.3	<0.02	3.2	1.78	<0.1



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Page: 4 of 5 Part 3

CERTIFICATE OF ANALYSIS

WHI11001503.1

	Method Analyte Unit MDL	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	G6
		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Au
		ppm 0.02	ppm 0.02	ppm 0.1	ppm 0.1	ppm 0.05	ppm 0.1	ppm 0.01	ppm 0.1	ppm 0.02	ppb 1	ppm 0.1	ppm 0.1	ppb 10	ppb 2	gm/t 0.005
1076196	Rock	0.04	0.17	44.4	0.3	<0.05	1.2	5.68	18.4	<0.02	<1	<0.1	14.0	<10	<2	<0.005
1076197	Rock	0.14	0.32	32.6	0.6	<0.05	4.7	5.30	30.4	<0.02	<1	0.2	14.6	<10	<2	<0.005
1082047	Rock	0.05	0.23	45.0	1.1	<0.05	1.1	5.78	37.3	<0.02	<1	0.1	22.0	<10	<2	<0.005
1082048	Rock	0.05	0.18	52.7	1.2	<0.05	1.2	6.01	33.4	<0.02	<1	<0.1	22.3	<10	<2	<0.005
1082049	Rock	0.06	0.18	53.5	1.3	<0.05	1.3	6.45	36.1	<0.02	<1	0.3	22.6	<10	<2	<0.005
1082050(GS-1)	Rock Pulp	<0.02	0.48	13.5	0.6	<0.05	0.7	7.18	34.6	<0.02	<1	0.4	27.7	<10	<2	0.005
1082051(BLK)	Rock	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	<0.005
1082052	Rock	0.06	0.10	3.7	0.5	<0.05	2.2	5.64	16.3	<0.02	<1	<0.1	6.2	<10	<2	0.008
1082053	Rock	0.05	0.07	10.6	0.4	<0.05	2.2	10.54	14.0	0.04	19	0.7	2.0	<10	3	<0.005
1082054	Rock	0.19	0.35	4.6	0.2	<0.05	4.7	2.85	19.0	<0.02	<1	<0.1	2.8	<10	<2	0.005
1082055	Rock	0.04	0.23	33.7	1.1	<0.05	1.4	8.12	42.5	<0.02	1	0.6	16.8	<10	<2	<0.005
1082056	Rock	0.09	0.28	14.6	0.5	<0.05	2.9	3.79	29.7	<0.02	<1	0.1	10.2	<10	<2	<0.005
1082057	Rock	<0.02	<0.02	12.9	0.3	<0.05	0.3	7.39	28.2	0.03	<1	0.5	11.9	<10	<2	<0.005
1082058	Rock	0.04	0.19	50.9	0.9	<0.05	1.1	6.25	31.5	<0.02	2	0.1	24.0	<10	<2	0.007
1082059	Rock	<0.02	0.03	5.3	<0.1	<0.05	0.3	4.09	14.5	<0.02	1	0.2	7.7	<10	<2	<0.005
1082060	Rock	0.06	0.05	15.0	0.2	<0.05	1.6	5.43	15.2	<0.02	5	0.2	13.8	<10	<2	0.017
1082061	Rock	<0.02	<0.02	5.8	0.2	<0.05	0.2	2.08	3.3	<0.02	2	0.2	5.7	<10	<2	0.026
1082062	Rock	<0.02	<0.02	10.4	0.3	<0.05	0.3	3.71	6.2	<0.02	2	0.2	9.2	<10	<2	0.036
1081951(BLK)	Rock	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	1	<0.1	<0.1	<10	<2	<0.005
1081952	Rock	0.04	0.24	44.7	1.1	<0.05	1.2	6.64	40.4	<0.02	<1	0.2	18.5	<10	<2	<0.005
1081953	Rock	0.07	0.91	94.5	1.6	<0.05	1.7	11.73	40.8	0.04	<1	0.5	35.4	<10	<2	<0.005
1081954	Rock	0.05	0.33	45.4	1.2	<0.05	1.2	6.83	38.9	<0.02	<1	0.3	18.0	<10	<2	<0.005
1081955	Rock	0.05	0.23	55.1	1.0	<0.05	1.0	6.97	36.1	<0.02	<1	0.1	19.7	<10	<2	<0.005
1081956	Rock	0.14	0.15	5.3	0.2	<0.05	2.4	3.70	14.6	<0.02	<1	0.1	3.8	<10	<2	<0.005
1081957	Rock	0.18	0.47	18.3	2.2	<0.05	2.3	11.05	17.2	<0.02	<1	0.8	3.7	<10	<2	<0.005
1081958	Rock	0.08	0.11	49.2	1.0	<0.05	2.1	8.91	39.5	<0.02	<1	0.3	14.1	<10	<2	<0.005
1081959	Rock	0.05	0.11	36.1	0.4	<0.05	1.4	3.90	22.8	<0.02	<1	0.2	10.6	<10	<2	<0.005
1081960	Rock	0.06	0.12	19.3	0.3	<0.05	1.6	2.71	16.4	<0.02	<1	0.1	5.7	<10	<2	<0.005
1081961	Rock	0.10	0.06	36.2	0.4	<0.05	3.3	4.76	35.1	<0.02	<1	0.2	8.9	<10	<2	<0.005
1081962	Rock	0.16	0.07	31.0	0.4	<0.05	4.5	4.53	22.7	<0.02	<1	<0.1	8.4	<10	<2	<0.005



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Page: 5 of 5 **Part** 1

CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	WGHT	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%
		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
1081963	Rock	2.94	3.60	33.63	8.77	78.3	264	35.2	8.3	144	2.04	22.3	1.0	1.9	5.4	24.5	0.43	0.17	0.17	82
1081964	Rock	2.20	0.49	2.34	1.74	5.9	29	3.5	0.7	79	0.68	5.2	0.1	1.0	1.2	3.5	0.02	0.04	0.05	10
1081965	Rock	2.95	6.04	1.18	5.26	28.9	12	3.7	6.1	406	2.18	1.6	5.3	0.7	23.2	23.0	0.05	0.10	0.02	45



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Page: 5 of 5 **Part** 2

CERTIFICATE OF ANALYSIS

WHI11001503.1

	Method Analyte Unit MDL	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
		0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02
1081963	Rock	0.068	14.7	45.8	0.42	176.1	0.061	<20	1.39	0.022	0.40	<0.1	2.7	0.24	0.11	<5	1.0	0.07	4.7	2.61
1081964	Rock	0.011	4.1	10.8	0.06	37.4	0.012	<20	0.16	0.004	0.07	<0.1	0.5	0.03	<0.02	9	<0.1	<0.02	0.5	0.27
1081965	Rock	0.048	23.1	13.9	0.56	249.2	0.182	<20	1.01	0.058	0.29	53.5	2.1	0.20	<0.02	<5	0.3	<0.02	5.0	1.85



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Page: 5 of 5 **Part** 3

CERTIFICATE OF ANALYSIS

WHI11001503.1

	Method Analyte Unit MDL	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	G6
		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Au
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	gm/t
		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.005
1081963	Rock	0.02	0.09	47.0	0.7	<0.05	1.4	5.62	25.1	0.03	1	0.7	10.9	<10	<2	<0.005
1081964	Rock	0.02	0.10	5.1	<0.1	<0.05	0.5	0.86	6.8	<0.02	<1	<0.1	1.0	<10	<2	<0.005
1081965	Rock	0.04	0.27	26.5	0.8	<0.05	0.9	7.00	35.2	<0.02	<1	0.4	21.5	<10	<2	<0.005



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210800

Report Date:

November 06, 2011

Page:

1 of 2

Part 1

QUALITY CONTROL REPORT

WHI11001503.1

	Method Analyte Unit MDL	WGHT	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		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																					
REP 1076066	QC		0.11	8.65	1.55	52.2	48	42.4	14.8	367	4.54	3.4	1.2	<0.2	10.1	7.5	0.04	0.15	0.06	53	0.16
1076084	Rock	3.50	0.22	7.92	4.39	34.9	121	7.3	1.3	379	0.65	2.5	0.9	22.3	5.2	28.0	0.23	0.21	0.12	36	0.27
REP 1076084	QC																				
1076099	Rock	3.37	0.46	4.28	12.25	83.1	37	14.3	12.9	863	3.18	11.8	0.4	3.0	1.6	65.8	0.19	0.99	0.08	67	0.91
REP 1076099	QC		0.40	4.04	12.04	81.3	36	14.6	12.9	865	3.18	11.8	0.4	1.1	1.4	66.4	0.18	0.99	0.09	67	0.90
REP 1076115	QC																				
1082050(GS-1)	Rock Pulp		0.59	20.76	8.16	47.6	37	25.8	11.8	395	2.64	4.0	1.4	0.6	7.3	84.2	0.04	0.14	0.18	14	3.42
REP 1082050(GS-1)	QC																				
1081964	Rock	2.20	0.49	2.34	1.74	5.9	29	3.5	0.7	79	0.68	5.2	0.1	1.0	1.2	3.5	0.02	0.04	0.05	10	0.03
REP 1081964	QC		0.48	2.24	1.59	6.2	19	3.5	0.7	79	0.69	4.5	0.2	<0.2	1.3	3.8	0.03	0.06	0.02	11	0.03
Core Reject Duplicates																					
1076066	Rock	2.96	0.10	8.35	1.39	50.3	44	41.0	14.7	351	4.38	3.3	1.1	0.3	9.7	7.0	0.05	0.16	0.06	52	0.16
DUP 1076066	QC		0.07	9.03	1.38	49.0	43	42.0	14.5	349	4.47	3.4	1.1	0.7	9.4	6.8	0.04	0.15	0.05	52	0.15
1076115	Rock	1.39	1.67	41.39	3.59	88.9	224	35.2	8.1	184	3.25	0.7	1.5	3.4	6.5	20.9	0.14	0.04	0.27	139	0.22
DUP 1076115	QC		1.67	40.79	3.51	85.2	230	35.4	7.8	181	3.18	0.7	1.5	5.9	6.5	19.7	0.13	0.04	0.29	139	0.21
1082062	Rock	2.40	11.28	18.82	3.25	19.3	47	3.3	9.0	206	2.05	0.5	0.1	15.2	0.2	224.8	0.08	0.09	0.71	106	2.37
DUP 1082062	QC		10.53	18.51	3.27	20.0	44	3.5	9.6	216	2.08	0.8	0.1	28.6	0.1	231.3	0.09	0.07	0.46	108	2.45
Reference Materials																					
STD DS8	Standard		12.83	108.6	127.9	303.5	1621	35.2	7.3	595	2.37	23.6	2.7	87.0	7.5	76.2	2.22	2.72	7.11	40	0.71
STD DS8	Standard		15.26	116.1	122.2	329.7	1870	41.1	8.7	626	2.59	25.3	2.8	105.8	7.3	76.5	2.43	4.36	6.76	43	0.74
STD DS8	Standard		13.82	104.2	131.5	307.6	1764	36.8	7.0	618	2.45	25.0	2.7	105.4	6.8	72.5	2.43	4.72	6.24	41	0.71
STD OREAS45CA	Standard		0.62	518.7	21.81	60.8	270	256.2	90.9	884	15.64	3.9	1.3	42.3	7.8	18.4	0.09	0.04	0.20	199	0.44
STD OREAS45CA	Standard		0.80	533.9	21.69	63.7	278	262.7	96.2	981	16.87	4.2	1.3	41.1	7.6	18.2	0.09	0.08	0.20	215	0.42
STD OREAS45CA	Standard		0.78	486.2	19.46	59.3	257	246.1	82.9	914	15.27	3.4	1.2	38.7	6.8	15.7	0.09	0.08	0.19	205	0.39
STD OXH82	Standard																				
STD OXH82	Standard																				
STD OXH82	Standard																				
STD OXK79	Standard																				



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Page:

1 of 2

Part 2

QUALITY CONTROL REPORT

WHI11001503.1

	Method Analyte Unit MDL	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
		0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1
Pulp Duplicates																					
REP 1076066	QC	0.047	24.6	78.6	1.29	140.3	0.188	<20	2.80	0.049	1.44	0.2	7.6	0.94	<0.02	<5	<0.1	<0.02	11.7	6.27	0.1
1076084	Rock	0.038	12.1	16.0	0.61	73.9	0.009	<20	1.18	0.120	0.04	0.3	7.0	0.04	<0.02	6	<0.1	0.03	3.8	2.24	<0.1
REP 1076084	QC																				
1076099	Rock	0.080	4.9	75.4	1.84	332.7	0.126	<20	2.20	0.053	0.09	0.1	3.7	0.04	<0.02	7	<0.1	0.03	8.4	1.13	<0.1
REP 1076099	QC	0.078	4.8	75.6	1.84	324.7	0.126	<20	2.20	0.053	0.09	0.2	3.9	0.04	<0.02	<5	<0.1	0.02	8.2	1.13	<0.1
REP 1076115	QC																				
1082050(GS-1)	Rock Pulp	0.041	20.6	20.1	1.02	61.4	0.034	<20	1.16	0.019	0.20	<0.1	2.0	0.09	0.03	7	0.1	<0.02	3.1	0.86	<0.1
REP 1082050(GS-1)	QC																				
1081964	Rock	0.011	4.1	10.8	0.06	37.4	0.012	<20	0.16	0.004	0.07	<0.1	0.5	0.03	<0.02	9	<0.1	<0.02	0.5	0.27	<0.1
REP 1081964	QC	0.012	4.3	10.2	0.06	40.4	0.012	<20	0.16	0.003	0.07	<0.1	0.2	0.03	<0.02	<5	0.1	<0.02	0.5	0.29	<0.1
Core Reject Duplicates																					
1076066	Rock	0.043	23.5	78.3	1.26	133.0	0.181	<20	2.72	0.048	1.40	0.2	7.3	0.89	<0.02	<5	<0.1	<0.02	11.0	5.99	<0.1
DUP 1076066	QC	0.044	22.5	77.3	1.27	129.3	0.183	<20	2.71	0.044	1.38	0.3	7.6	0.88	<0.02	<5	<0.1	0.02	10.9	5.90	<0.1
1076115	Rock	0.079	18.0	81.3	0.72	312.3	0.202	<20	2.31	0.053	0.83	0.5	7.9	0.38	0.08	<5	0.7	0.10	7.4	3.36	<0.1
DUP 1076115	QC	0.081	17.9	77.7	0.71	317.3	0.200	<20	2.29	0.048	0.83	0.4	7.8	0.38	0.08	9	0.7	0.07	7.6	3.37	<0.1
1082062	Rock	0.095	3.5	14.5	0.64	83.7	0.179	<20	3.55	0.454	0.11	18.9	2.5	0.06	<0.02	<5	0.2	0.07	7.9	1.78	<0.1
DUP 1082062	QC	0.091	3.5	14.8	0.67	86.2	0.165	<20	3.71	0.476	0.12	13.0	2.6	0.06	<0.02	<5	0.2	0.06	7.6	1.74	<0.1
Reference Materials																					
STD DS8	Standard	0.074	16.8	114.4	0.60	279.4	0.112	<20	0.91	0.085	0.41	1.7	2.0	5.18	0.17	229	5.1	4.65	4.6	2.29	<0.1
STD DS8	Standard	0.083	16.9	122.5	0.65	292.0	0.130	<20	0.96	0.094	0.43	2.1	2.1	5.40	0.17	259	5.5	5.10	4.6	2.43	0.1
STD DS8	Standard	0.086	15.6	116.8	0.60	302.9	0.111	<20	0.91	0.092	0.41	2.4	2.2	5.50	0.16	208	4.8	5.06	4.8	2.41	0.1
STD OREAS45CA	Standard	0.038	20.3	614.7	0.17	165.7	0.125	<20	3.83	0.015	0.07	<0.1	37.1	0.09	0.03	21	1.0	0.07	18.9	1.13	0.1
STD OREAS45CA	Standard	0.037	18.1	699.1	0.17	162.9	0.152	<20	3.92	0.012	0.08	<0.1	39.9	0.08	0.03	26	0.6	0.08	19.2	1.16	<0.1
STD OREAS45CA	Standard	0.041	15.8	713.9	0.15	162.0	0.137	<20	3.72	0.014	0.08	<0.1	37.2	0.12	0.03	37	0.3	0.05	18.4	1.16	0.1
STD OXH82	Standard																				
STD OXH82	Standard																				
STD OXH82	Standard																				
STD OXK79	Standard																				



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Project: 210800

Report Date: November 06, 2011

Page: 1 of 2 Part 3

QUALITY CONTROL REPORT

WHI11001503.1

	Method Analyte Unit MDL	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	G6
		Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	Au
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	gm/t
		0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	0.005
Pulp Duplicates																
REP 1076066	QC	<0.02	0.17	116.8	1.0	<0.05	<0.1	7.32	49.4	0.03	<1	0.9	52.2	<10	<2	
1076084	Rock	0.03	0.03	2.2	0.8	<0.05	0.5	13.00	31.3	0.03	<1	0.3	9.9	<10	<2	0.007
REP 1076084	QC	0.007														
1076099	Rock	0.05	0.09	3.3	0.3	<0.05	2.7	3.65	9.1	<0.02	<1	0.4	17.4	<10	<2	<0.005
REP 1076099	QC	0.08	0.07	3.3	0.3	<0.05	2.7	3.70	9.2	<0.02	<1	0.4	18.1	<10	<2	
REP 1076115	QC	<0.005														
1082050(GS-1)	Rock Pulp	<0.02	0.48	13.5	0.6	<0.05	0.7	7.18	34.6	<0.02	<1	0.4	27.7	<10	<2	0.005
REP 1082050(GS-1)	QC	<0.005														
1081964	Rock	0.02	0.10	5.1	<0.1	<0.05	0.5	0.86	6.8	<0.02	<1	<0.1	1.0	<10	<2	<0.005
REP 1081964	QC	<0.02	0.12	5.8	0.1	<0.05	0.6	0.94	7.0	<0.02	2	0.1	0.9	<10	<2	
Core Reject Duplicates																
1076066	Rock	<0.02	0.22	112.5	1.1	<0.05	<0.1	7.06	47.1	0.03	<1	0.7	48.2	<10	<2	<0.005
DUP 1076066	QC	<0.02	0.22	112.5	1.2	<0.05	<0.1	6.87	45.5	0.03	<1	0.8	47.8	<10	<2	<0.005
1076115	Rock	<0.02	0.28	67.6	1.3	<0.05	0.8	8.73	32.9	0.03	<1	1.2	17.4	<10	<2	<0.005
DUP 1076115	QC	<0.02	0.30	63.4	1.2	<0.05	0.7	8.62	34.1	0.04	<1	1.5	17.1	<10	<2	<0.005
1082062	Rock	<0.02	<0.02	10.4	0.3	<0.05	0.3	3.71	6.2	<0.02	2	0.2	9.2	<10	<2	0.036
DUP 1082062	QC	<0.02	<0.02	10.9	0.3	<0.05	0.2	3.77	6.1	<0.02	3	0.1	9.4	<10	<2	0.024
Reference Materials																
STD DS8	Standard	0.04	0.52	38.2	6.9	<0.05	1.2	5.59	25.1	2.48	61	4.5	24.7	110	336	
STD DS8	Standard	0.06	0.82	39.8	7.3	<0.05	1.7	6.35	27.3	2.33	55	5.7	27.7	105	351	
STD DS8	Standard	0.08	0.88	38.0	7.2	<0.05	1.7	6.03	28.2	2.19	62	4.9	28.8	121	353	
STD OREAS45CA	Standard	0.37	0.07	9.0	2.0	<0.05	12.5	8.85	35.7	0.10	1	0.7	9.1	37	73	
STD OREAS45CA	Standard	0.35	0.08	9.6	2.2	<0.05	16.1	9.07	35.6	0.09	<1	0.6	7.8	32	64	
STD OREAS45CA	Standard	0.48	0.14	9.1	1.9	<0.05	20.1	7.73	33.9	0.09	<1	0.6	8.1	40	56	
STD OXH82	Standard	1.389														
STD OXH82	Standard	1.354														
STD OXH82	Standard	1.349														
STD OXK79	Standard	3.725														



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Report Date: November 06, 2011

Page: 2 of 2 Part 1

QUALITY CONTROL REPORT

WHI11001503.1

		WGHT	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		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
STD OXK79	Standard																			
STD OXK79	Standard																			
STD OXH82 Expected																				
STD OXK79 Expected																				
STD DS8 Expected			13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	4.8	6.67	41.1
STD OREAS45CA Expected			1	494	20	60	275	240	92	943	15.69	3.8	1.2	43	7	15	0.1	0.13	0.19	215
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
BLK	Blank																			
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
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
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
Prep Wash																				
G1	Prep Blank		0.26	3.30	3.48	46.2	13	2.6	3.7	589	2.07	0.1	1.7	2.5	5.6	69.2	0.06	0.06	0.12	36
G1	Prep Blank		0.17	4.47	2.47	45.8	11	2.1	3.6	553	1.98	0.1	1.3	1.2	4.7	53.5	0.03	0.05	0.09	36



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Report Date: November 06, 2011

Page: 2 of 2 Part 2

QUALITY CONTROL REPORT

WHI11001503.1

		1F P % 0.001	1F La ppm 0.5	1F Cr ppm 0.5	1F Mg % 0.01	1F Ba ppm 0.5	1F Ti % 0.001	1F B ppm 20	1F Al % 0.01	1F Na % 0.001	1F K % 0.01	1F W ppm 0.1	1F Sc ppm 0.1	1F Ti ppm 0.02	1F S % 0.02	1F Hg ppb 5	1F Se ppm 0.1	1F Te ppm 0.02	1F Ga ppm 0.1	1F Cs ppm 0.02	1F Ge ppm 0.1
STD OXK79	Standard																				
STD OXK79	Standard																				
STD OXH82 Expected																					
STD OXK79 Expected																					
STD DS8 Expected		0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	2.48	0.13
STD OREAS45CA Expected		0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		39.7	0.07	0.021	30	0.5	0.06	18.4	1.03	0.11
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1
Prep Wash																					
G1	Prep Blank	0.082	13.3	7.5	0.49	172.4	0.121	<20	0.92	0.089	0.45	<0.1	2.0	0.32	<0.02	<5	<0.1	<0.02	4.9	2.57	<0.1
G1	Prep Blank	0.082	9.9	5.5	0.51	159.5	0.112	<20	0.85	0.056	0.44	<0.1	1.7	0.30	<0.02	<5	<0.1	<0.02	4.6	2.50	0.1



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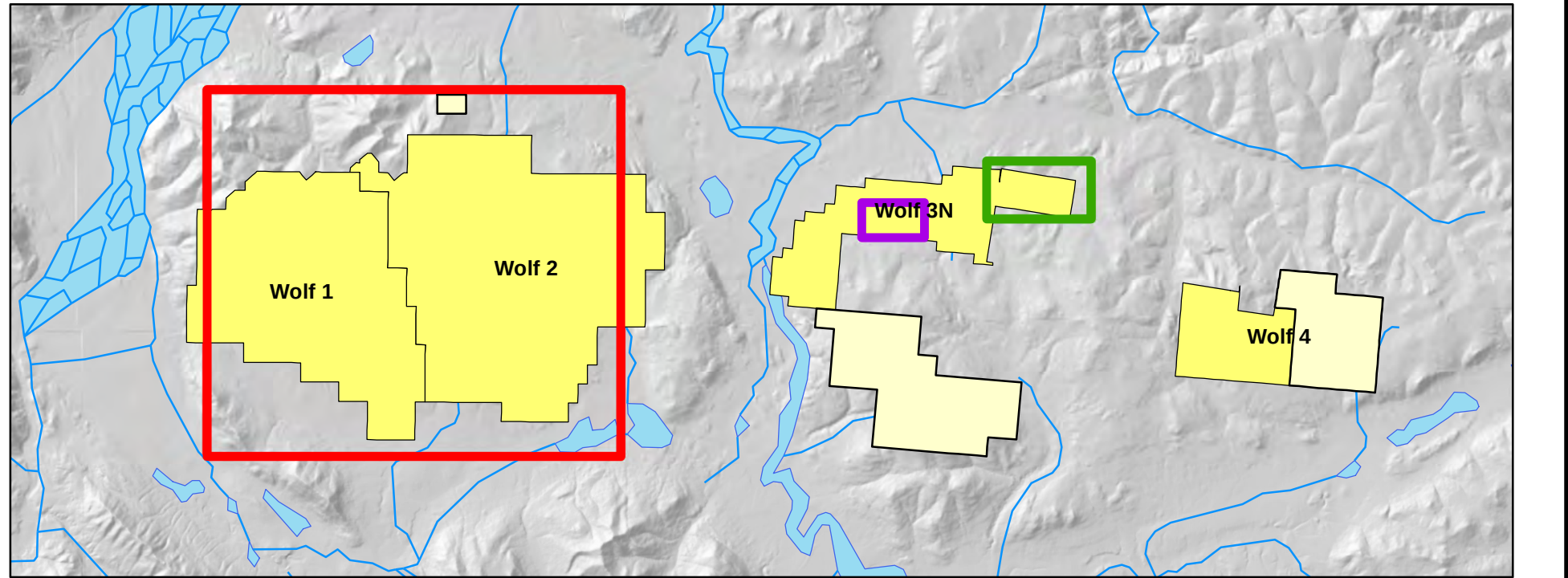
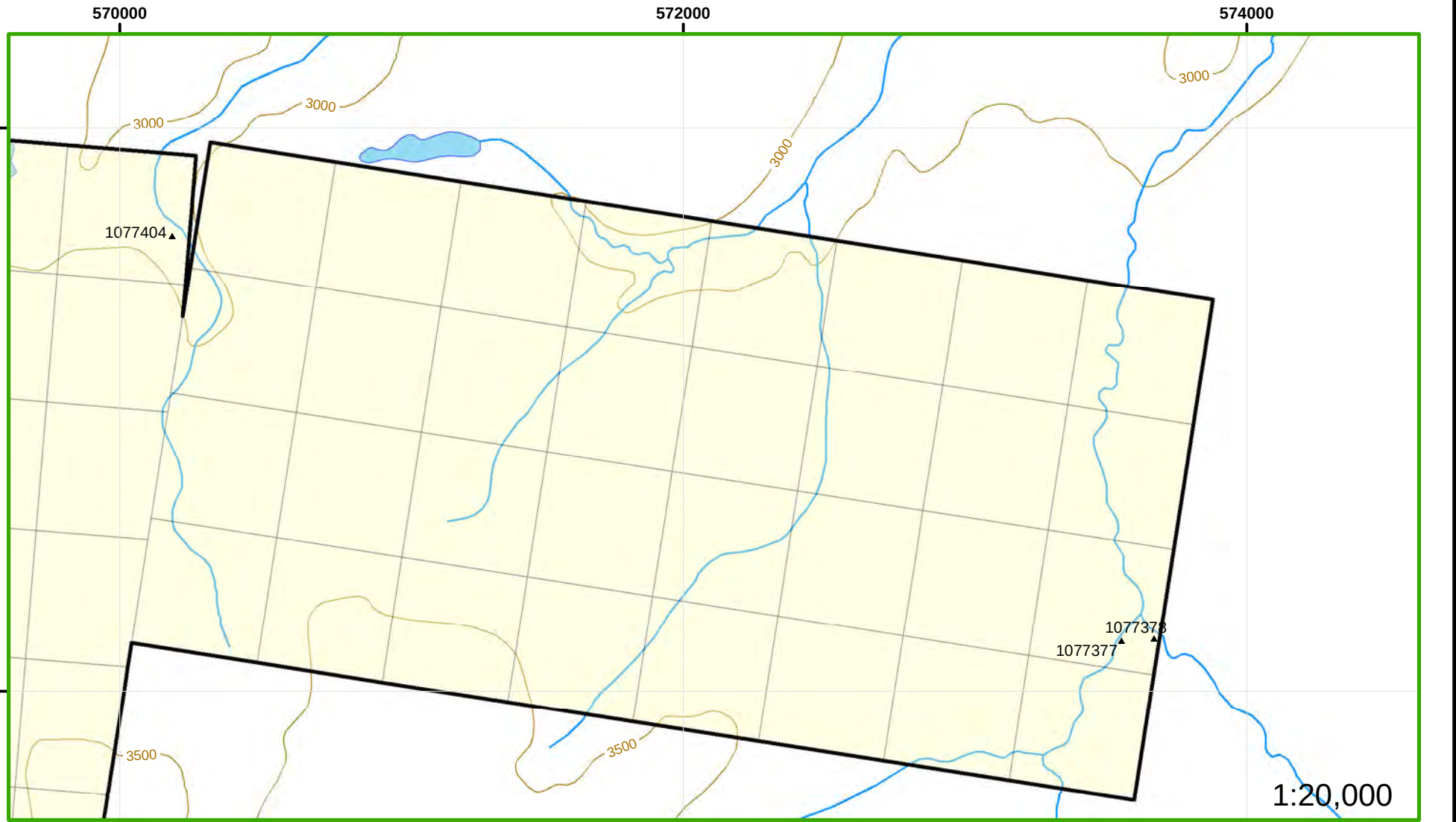
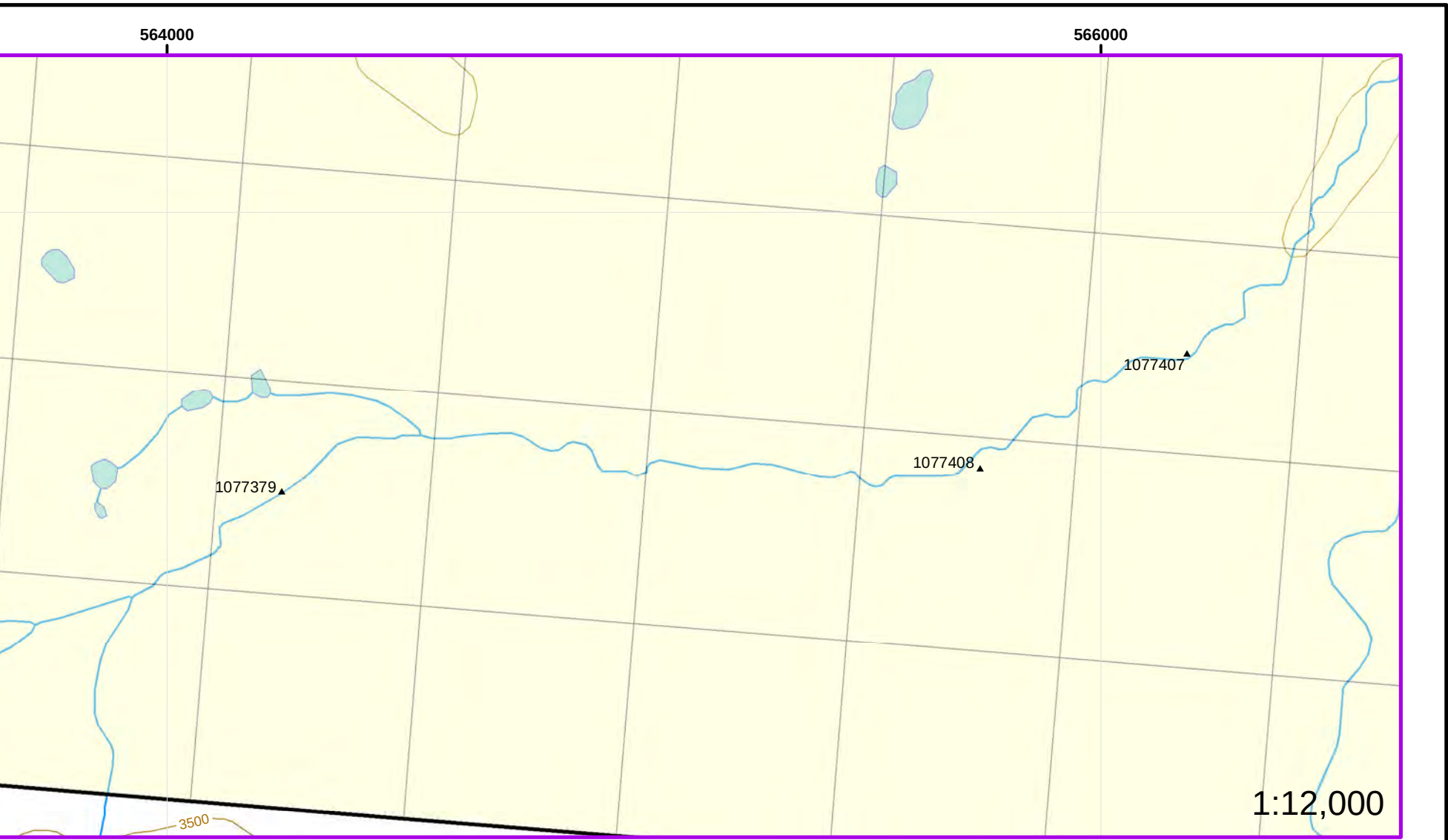
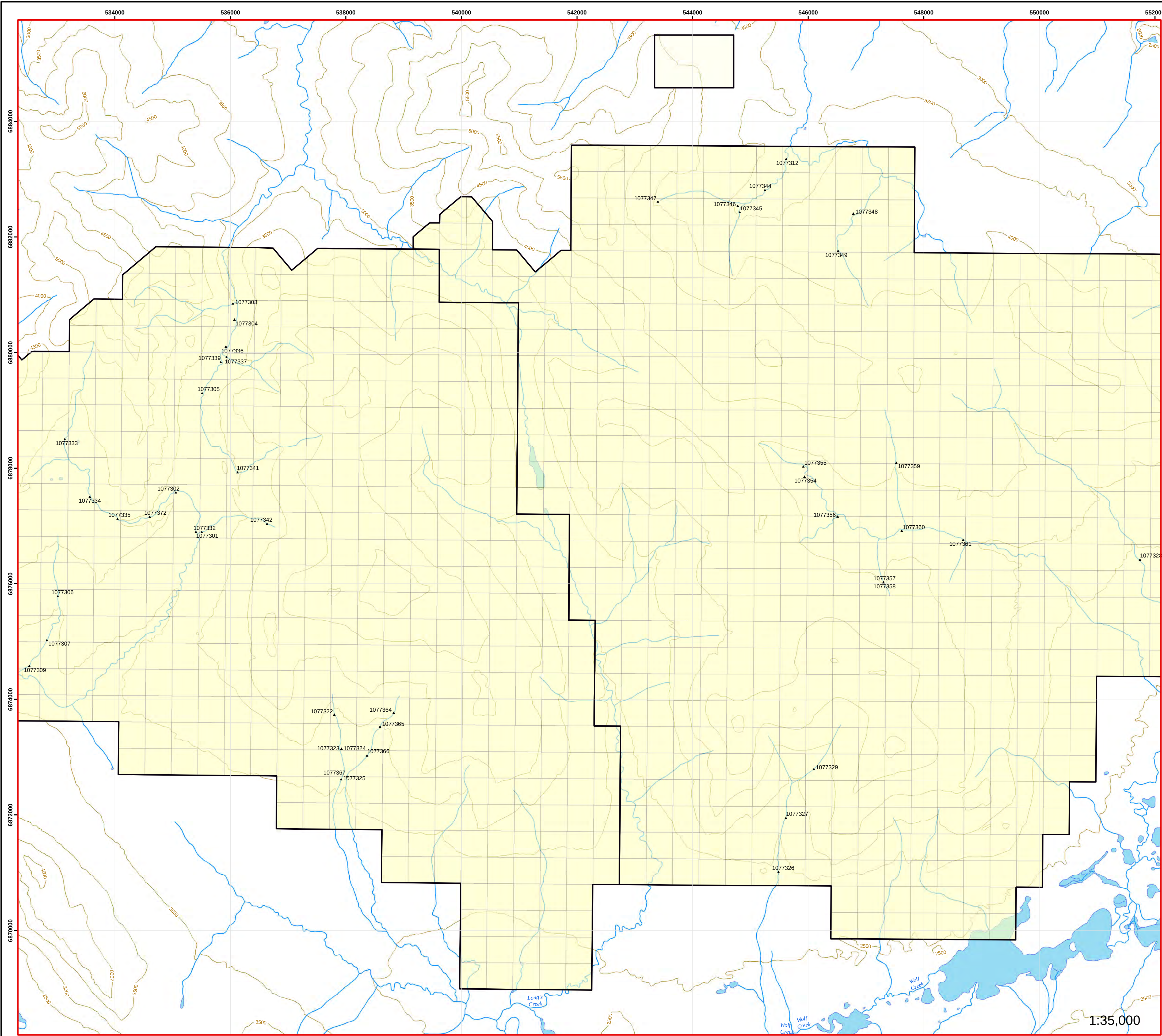
Report Date: November 06, 2011

Page: 2 of 2 Part 3

QUALITY CONTROL REPORT

WHI11001503.1

		1F Hf ppm 0.02	1F Nb ppm 0.02	1F Rb ppm 0.1	1F Sn ppm 0.1	1F Ta ppm 0.05	1F Zr ppm 0.1	1F Y ppm 0.01	1F Ce ppm 0.1	1F In ppm 0.02	1F Re ppb 1	1F Be ppm 0.1	1F Li ppm 0.1	1F Pd ppb 10	1F Pt ppb 2	G6 Au gm/t 0.005
STD OXK79	Standard															3.814
STD OXK79	Standard															3.750
STD OXH82 Expected																1.278
STD OXK79 Expected																3.532
STD DS8 Expected		0.08	1.1	39	6.7	0.003	2.1	6.1	29.8	2.19	55	5.2	26.34	110	339	
STD OREAS45CA Expected		0.5	0.22	8.2	1.8		21.6	7.84	35	0.09			6.2	36	61	
BLK	Blank															<0.005
BLK	Blank															<0.005
BLK	Blank															<0.005
BLK	Blank															<0.005
BLK	Blank															<0.005
BLK	Blank															<0.005
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
BLK	Blank	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2	
Prep Wash																
G1	Prep Blank	0.11	0.35	41.2	0.7	<0.05	1.2	5.55	24.7	0.05	<1	0.3	31.3	<10	<2	<0.005
G1	Prep Blank	0.06	0.27	39.4	0.5	<0.05	0.7	4.11	18.0	0.02	<1	0.2	31.2	<10	<2	<0.005



- Legend**
- 2011 Stream Sample
 - 500 Ft Contour Intervals
 - ▭ Teck Claim Outlines
 - ▭ Wolf Claims
 - ~ Rivers
 - ~ Lakes

Teck

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Vancouver, BC Canada

Wolf Property

Whitehorse Mining District / Yukon Territory

Stream Sample Locations

DATUM: NAD83

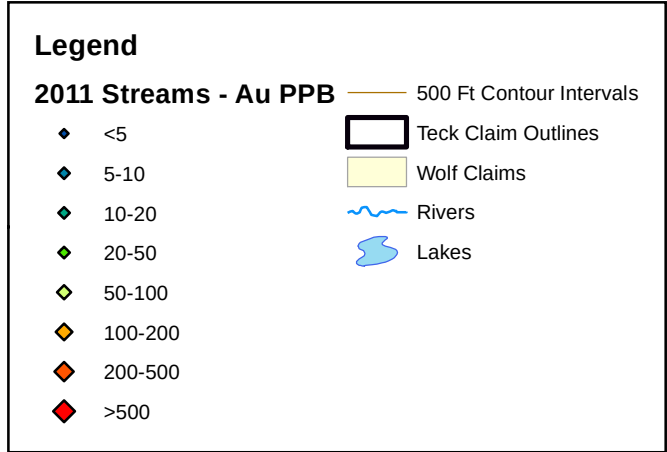
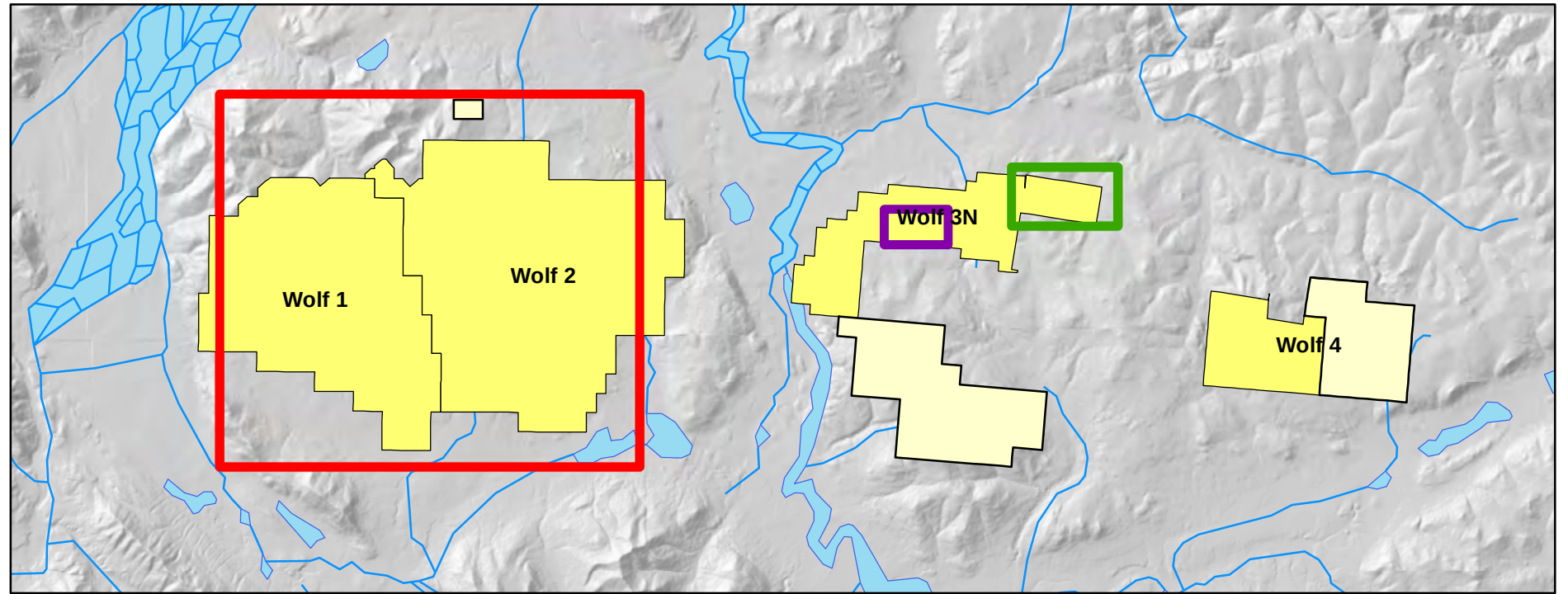
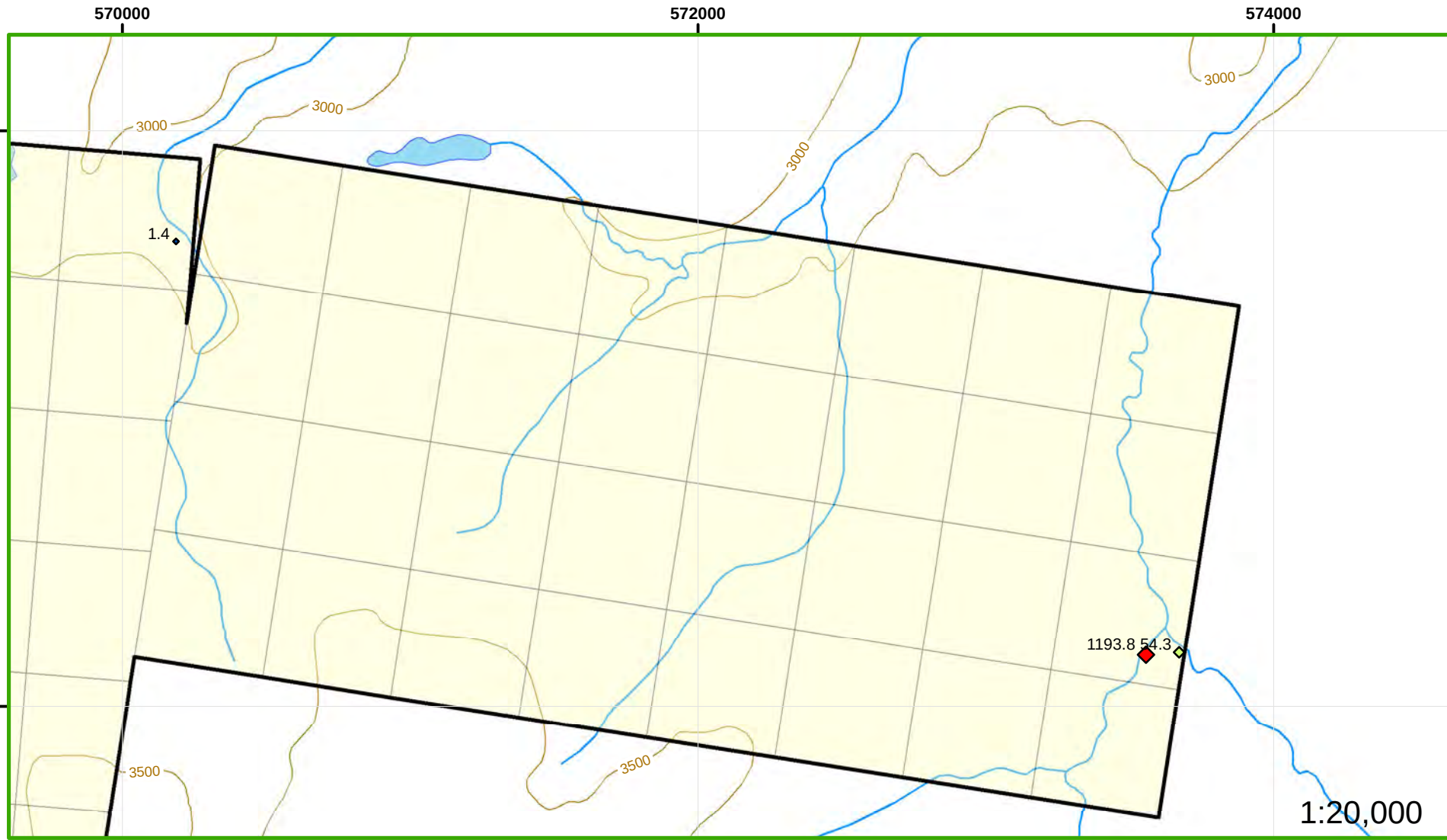
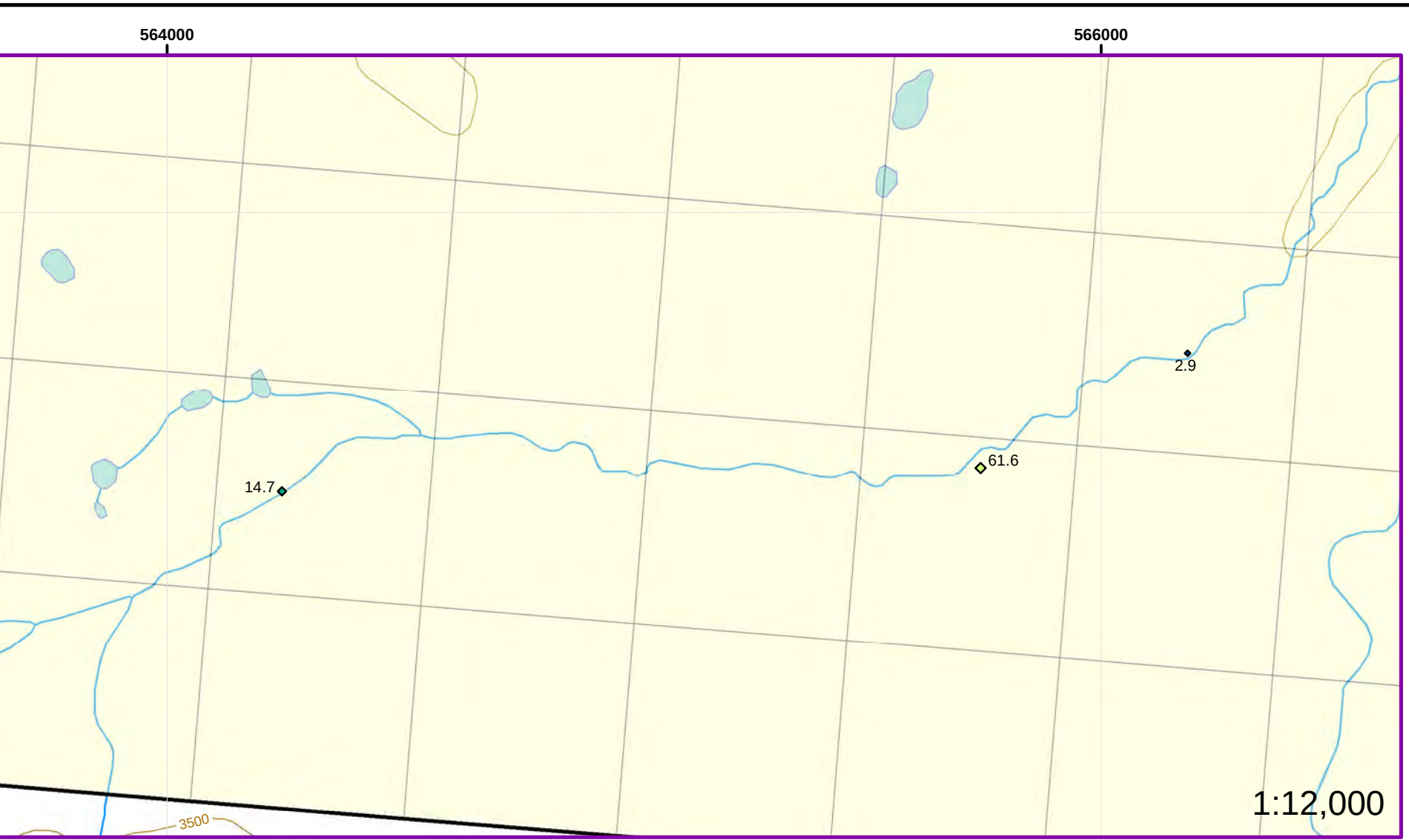
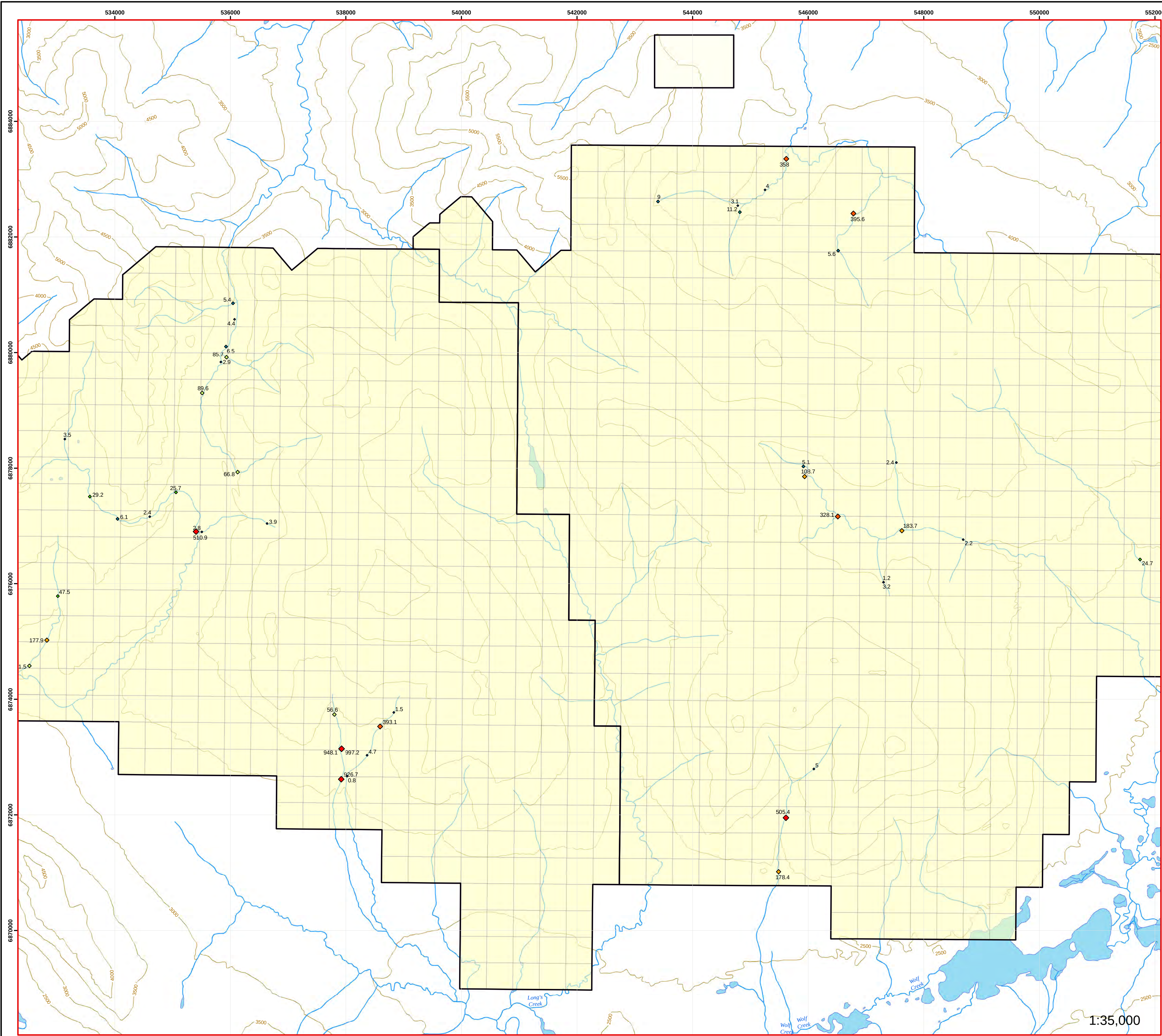
DATE: March 27, 2012

PROJECTION: UTM Zone 7N

DRAWN BY: A. Hansen

Figure

5



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Wolf Property

Whitehorse Mining District / Yukon Territory

Stream - Au PPB

DATUM: NAD83

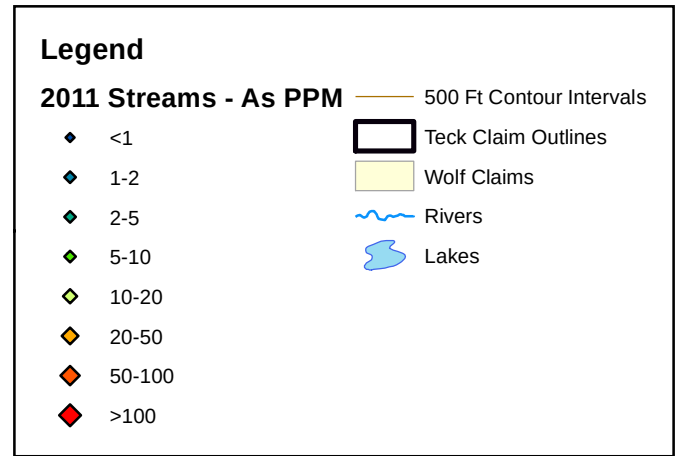
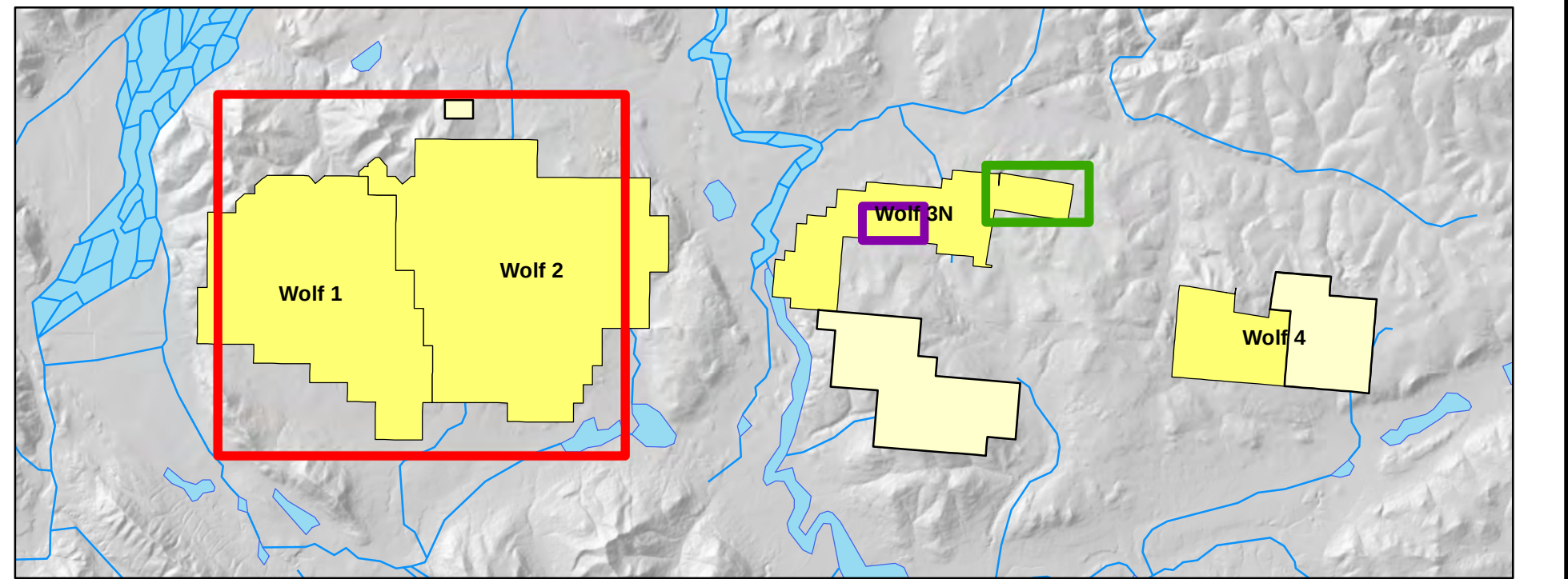
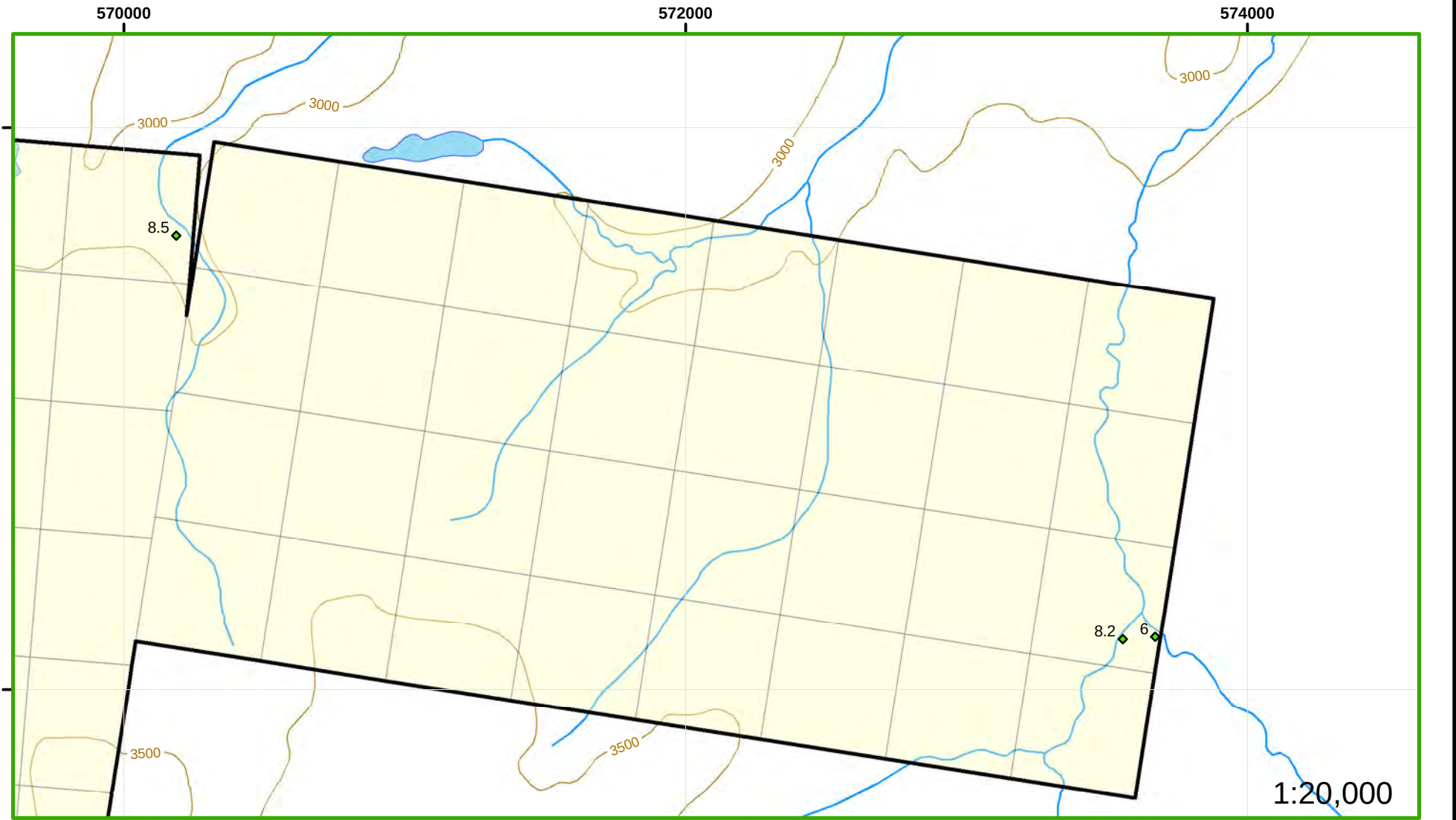
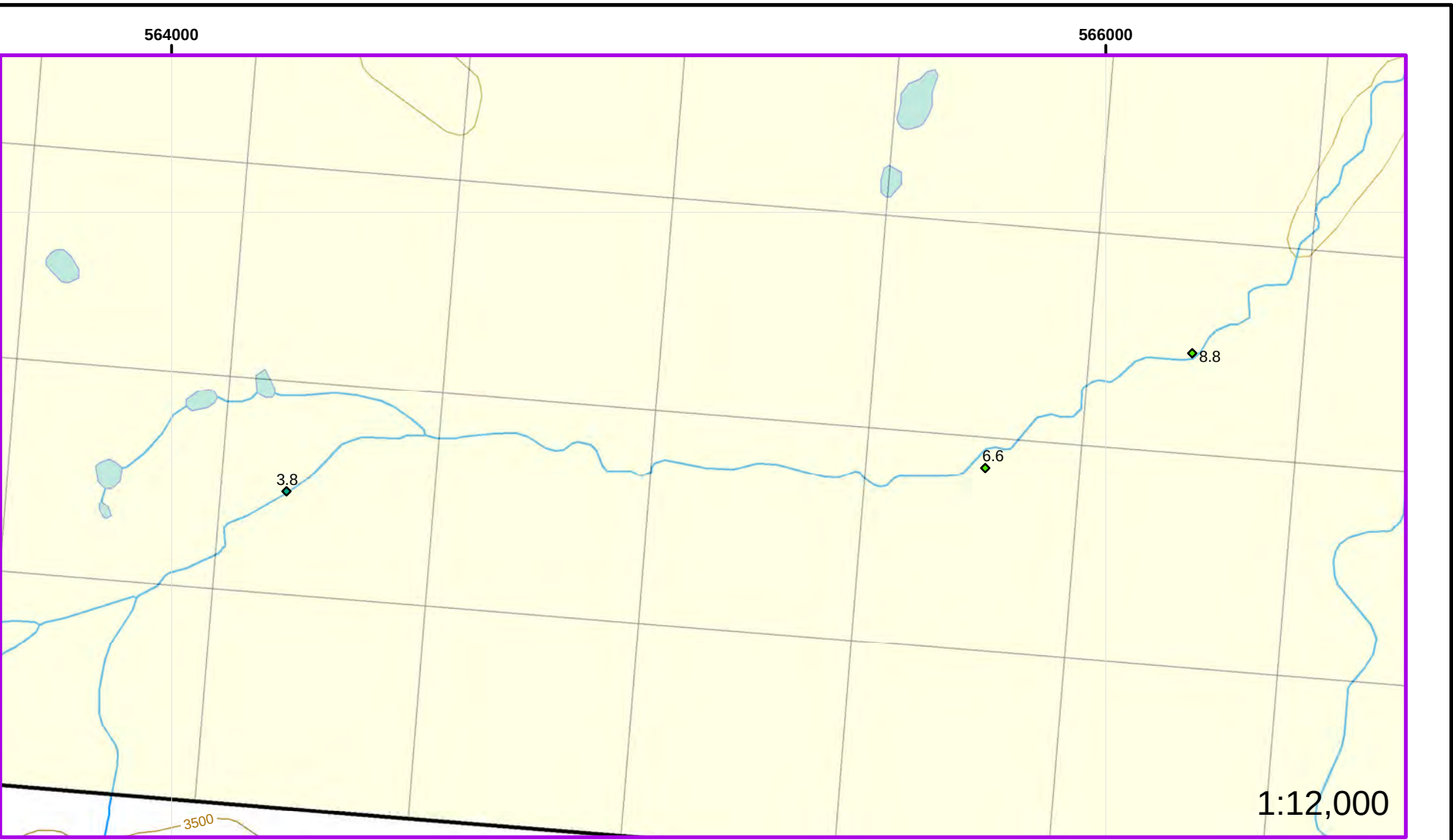
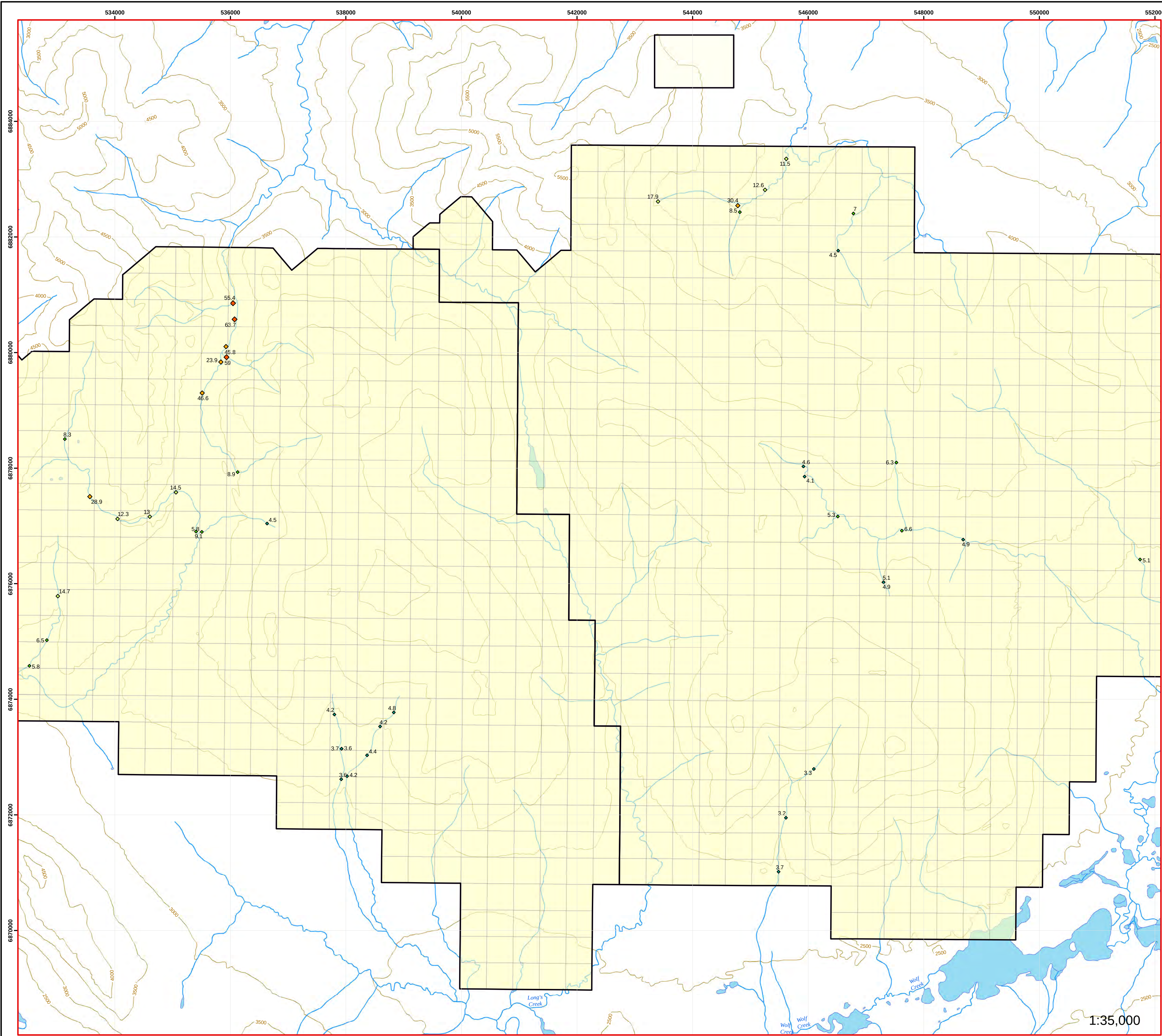
DATE: March 27, 2012

PROJECTION: UTM Zone 7N

DRAWN BY: A. Hansen

Figure

6a



Teck

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Vancouver, BC Canada

Wolf Property

Whitehorse Mining District / Yukon Territory

Stream - As PPM

DATUM: NAD83

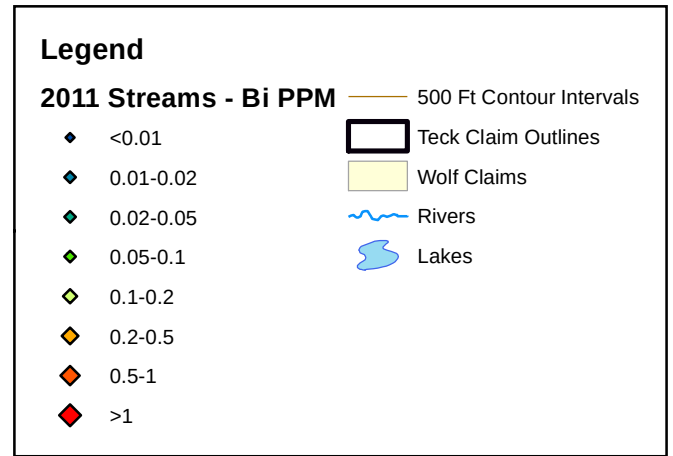
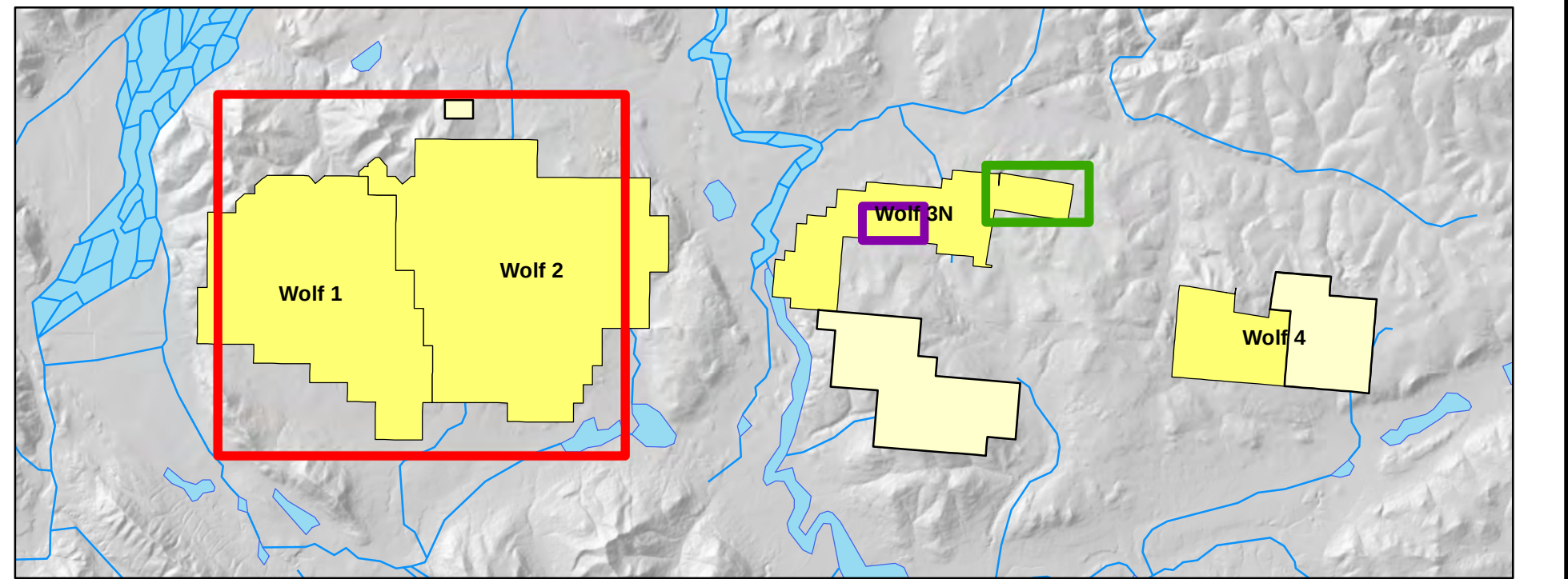
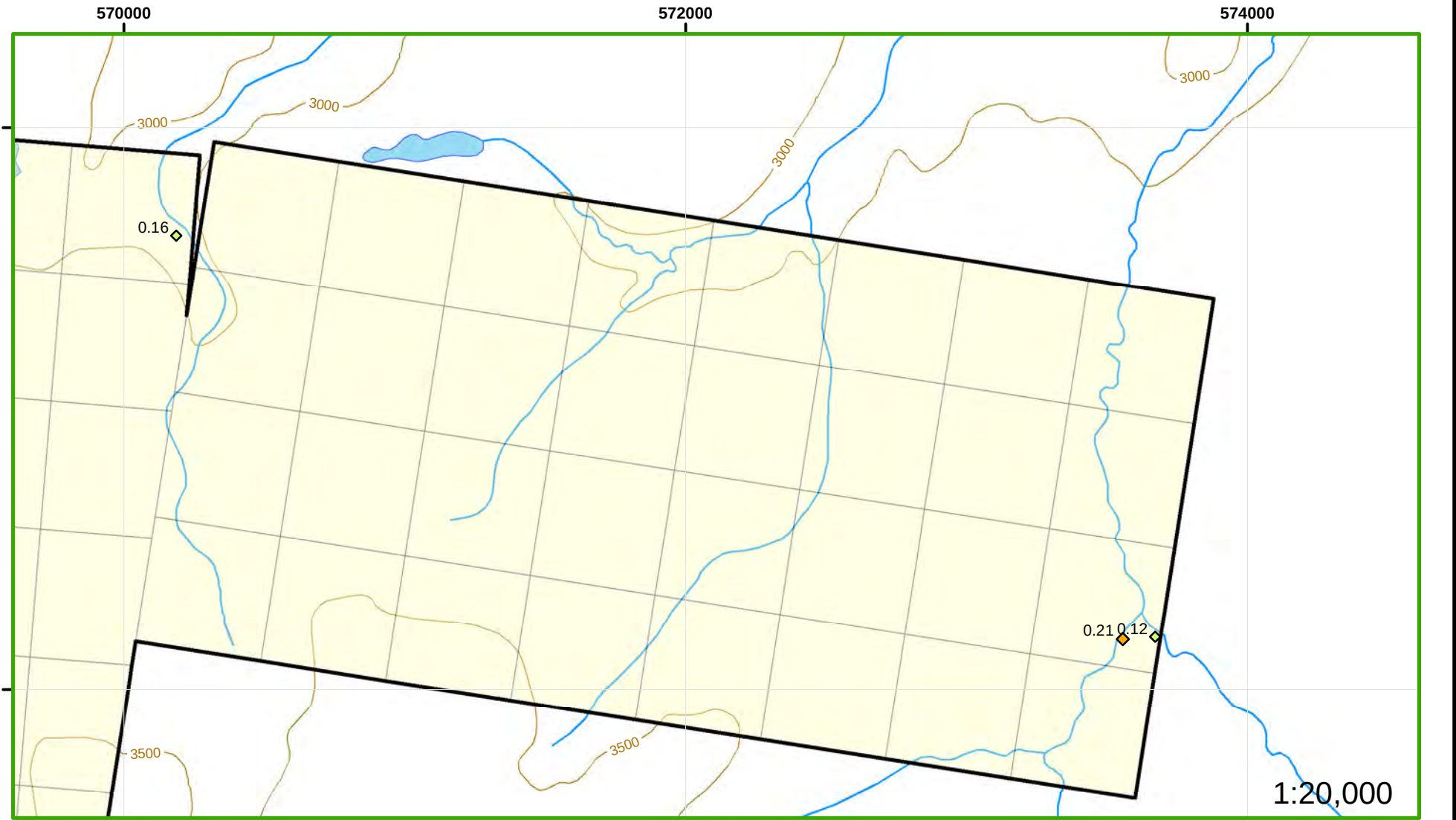
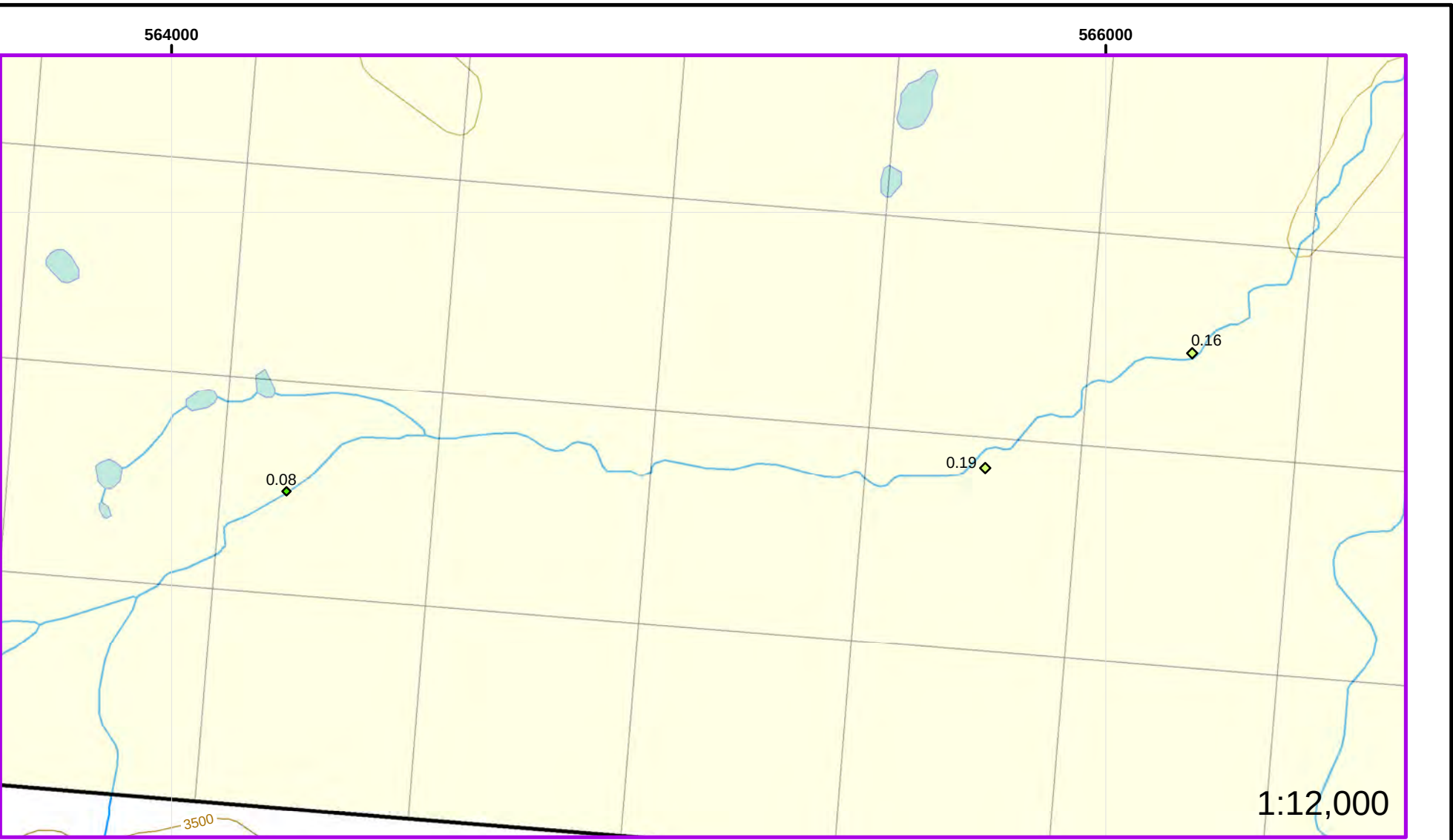
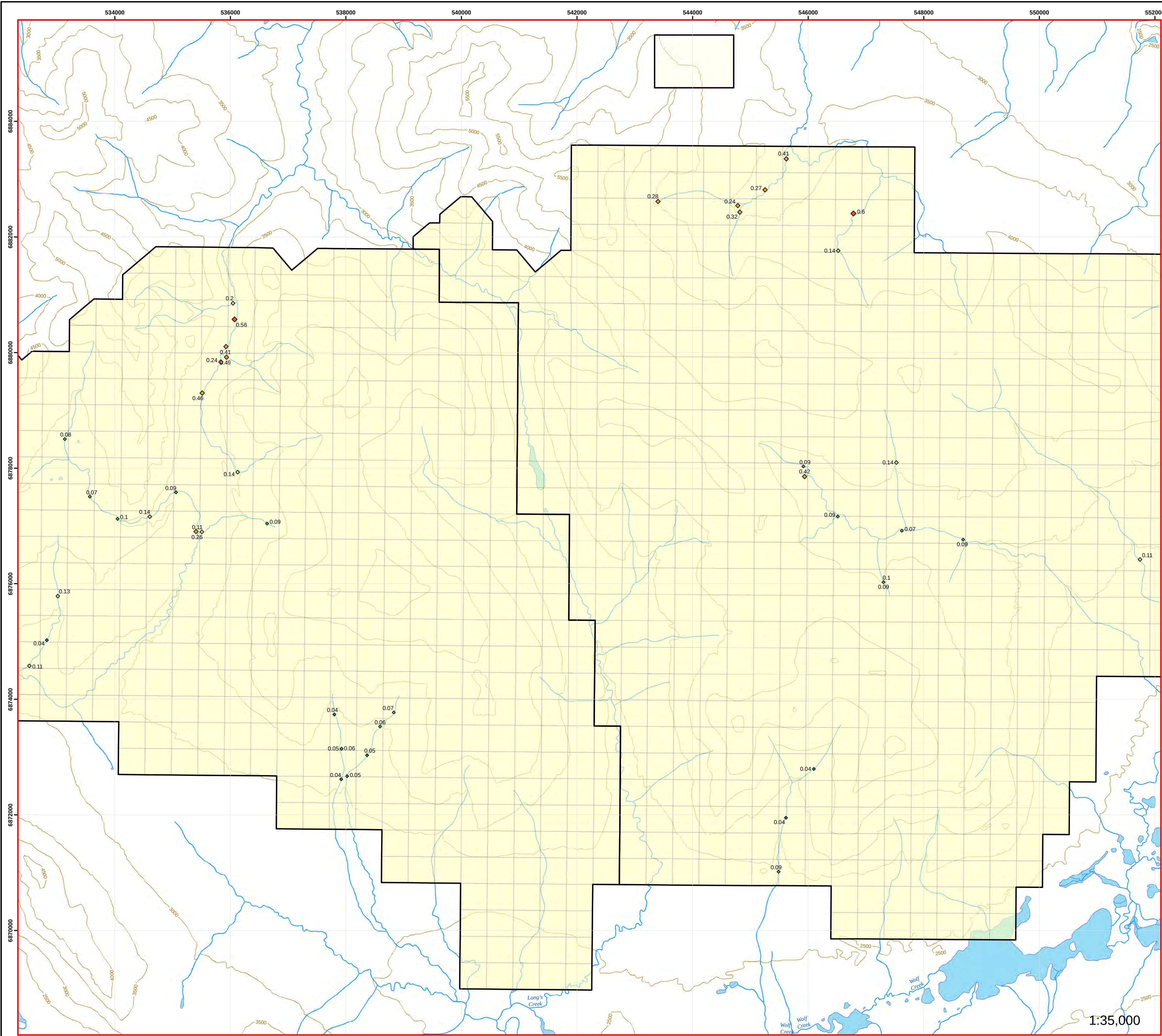
DATE: March 27, 2012

PROJECTION: UTM Zone 7N

DRAWN BY: A. Hansen

Figure

6b



Teck

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Wolf Property

Whitehorse Mining District / Yukon Territory

Stream - Bi PPM

DATUM: NAD83

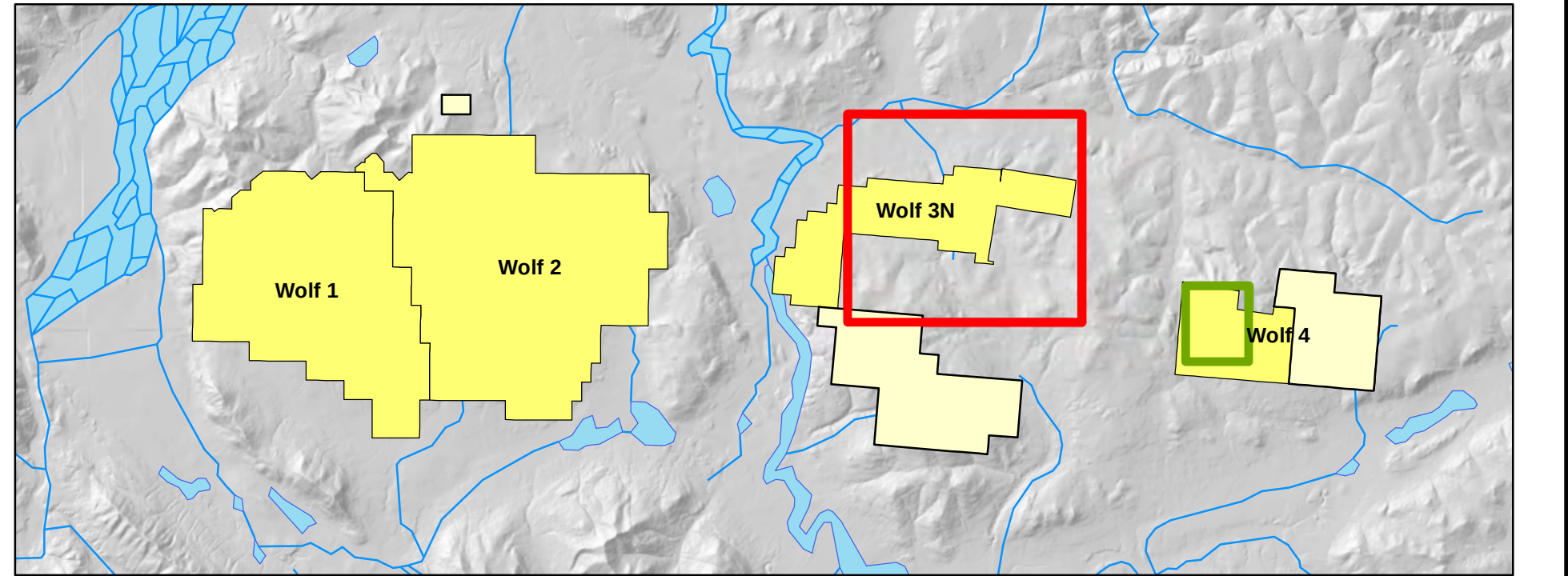
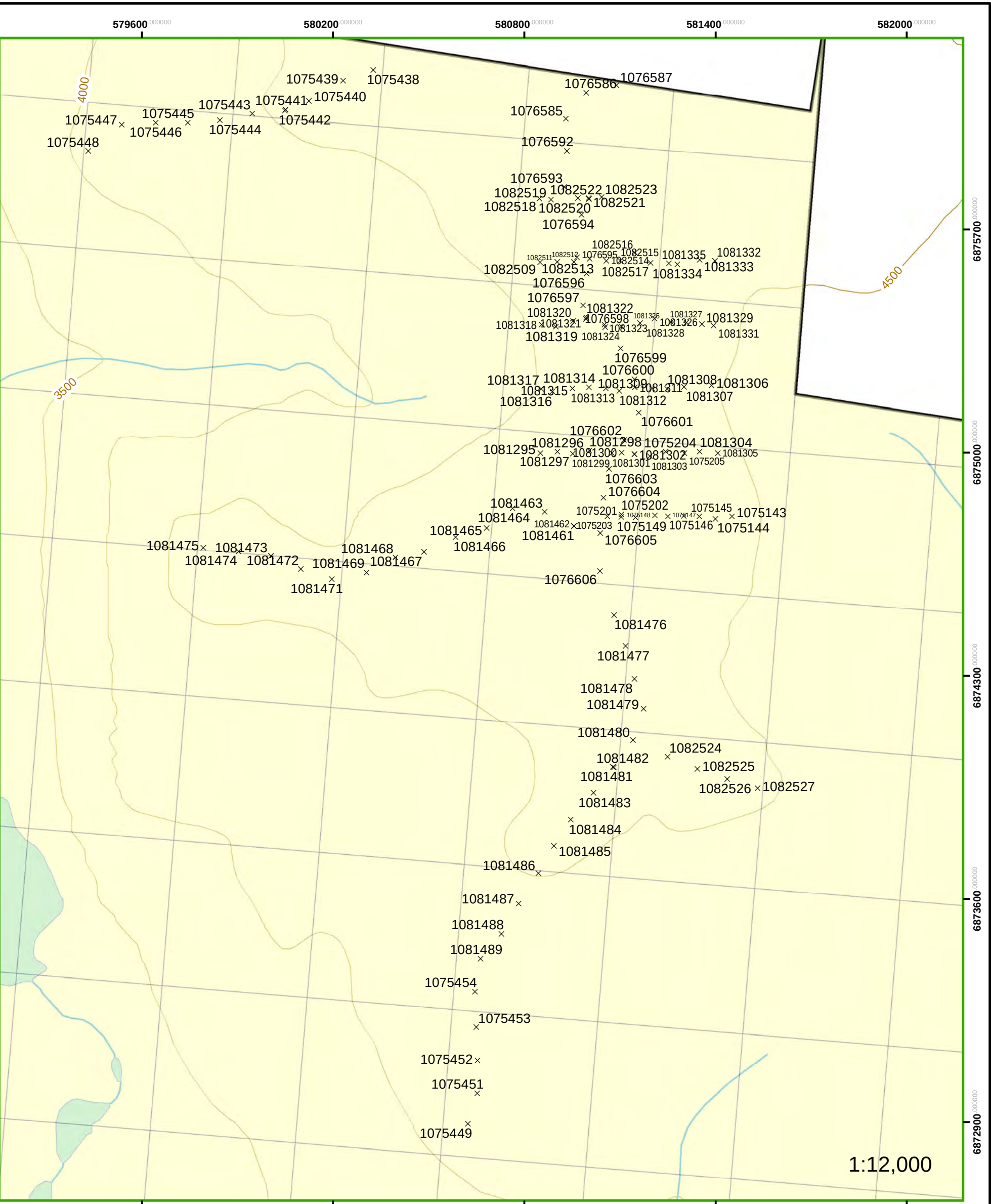
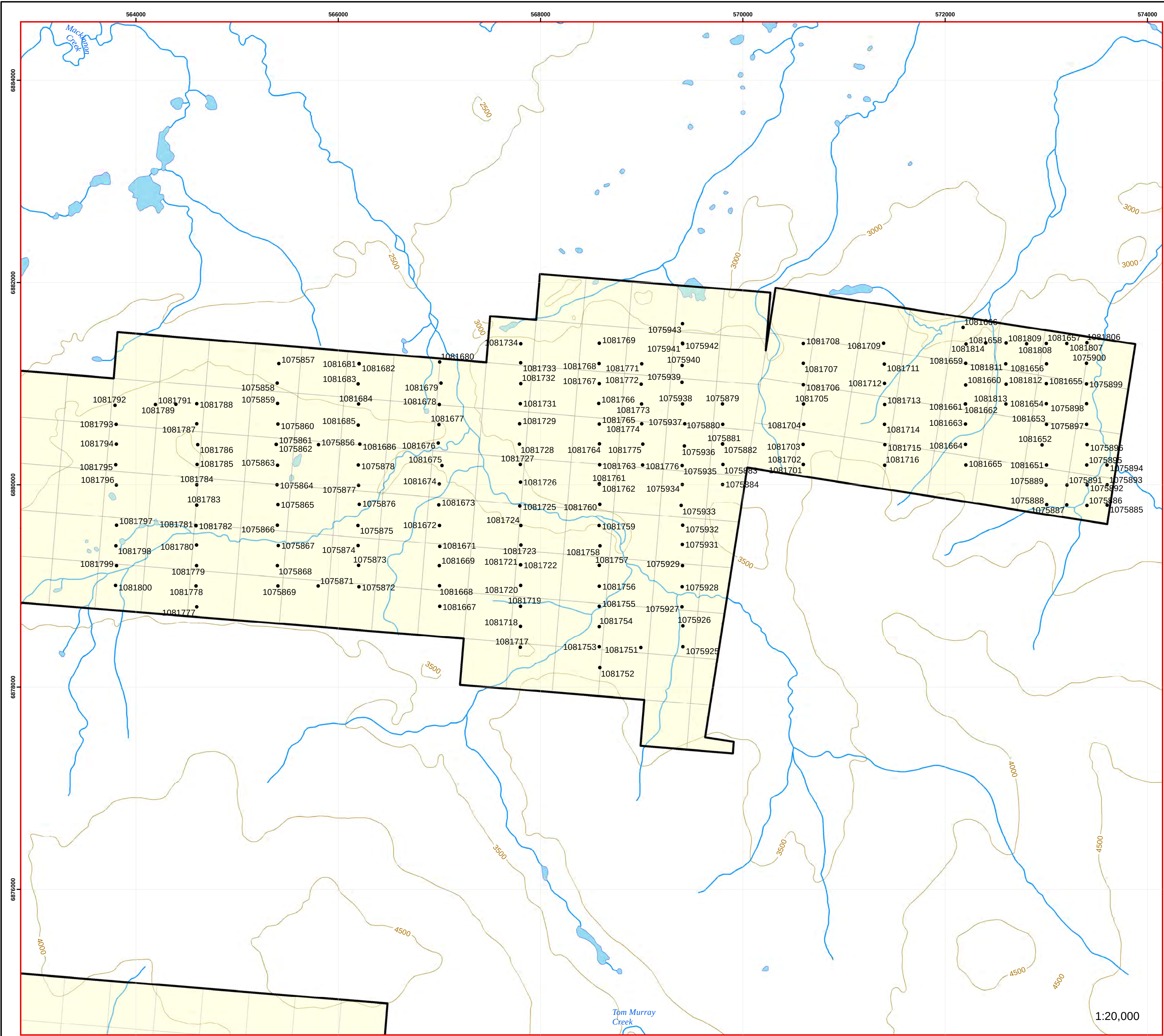
PROJECTION: UTM Zone 7N

DATE: March 27, 2012

DRAWN BY: A. Hansen

Figure

6c



Legend

2011 Soil Samples

- Ah
- × Ms

Wolf Claims

Teck Claim Outlines

Rivers

Lakes

500 Ft Contour Intervals

Teck

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Vancouver, BC Canada

Wolf 3N and Wolf 4 Claims

Whitehorse Mining District / Yukon Territory

Soil Sample Locations

DATUM: NAD83

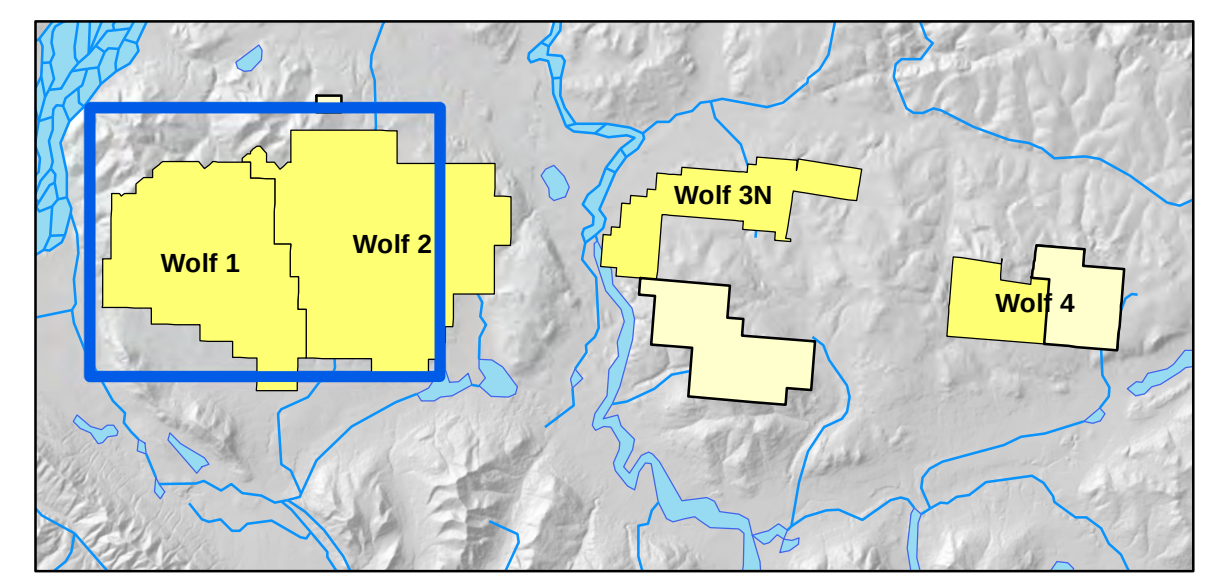
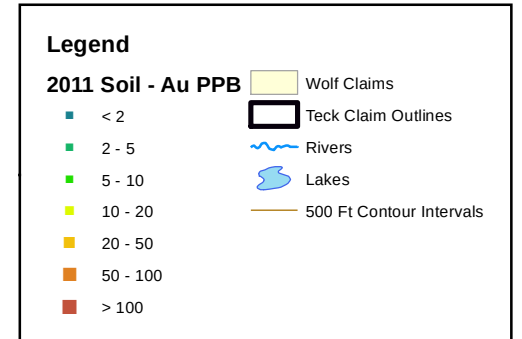
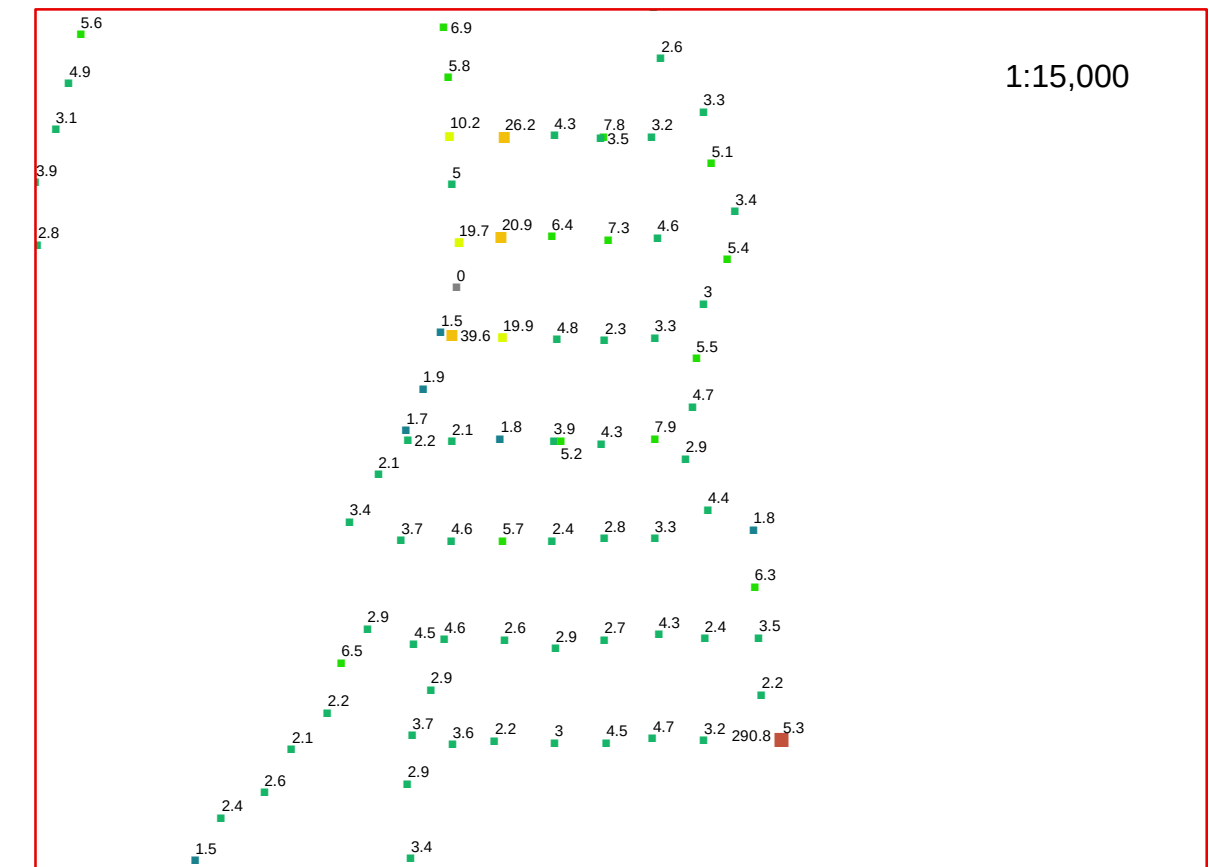
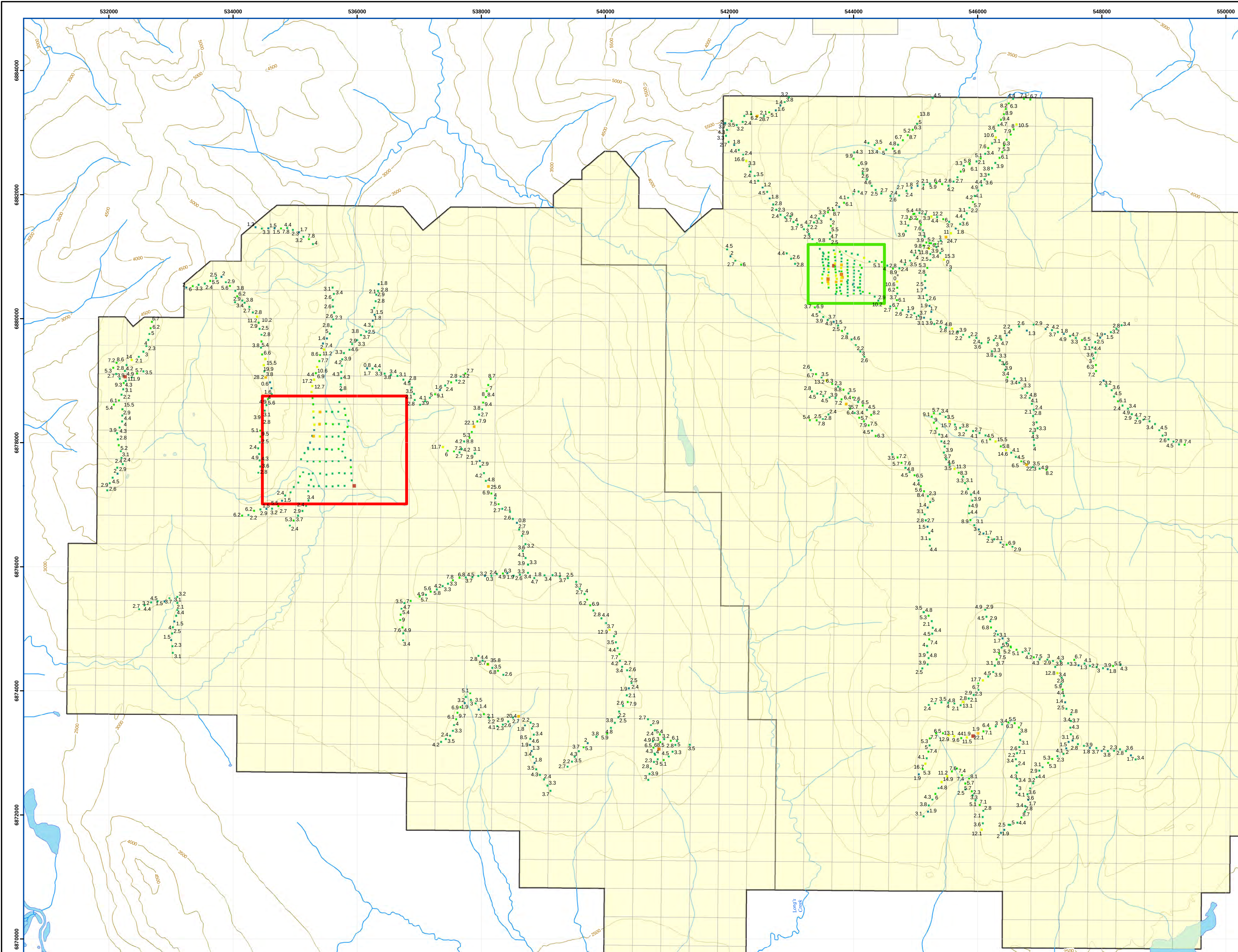
DATE: March 27, 2012

PROJECTION: UTM Zone 7N

DRAWN BY: A. Hansen

Figure

7b



Teck

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Wolf 1 and Wolf 2 Claims

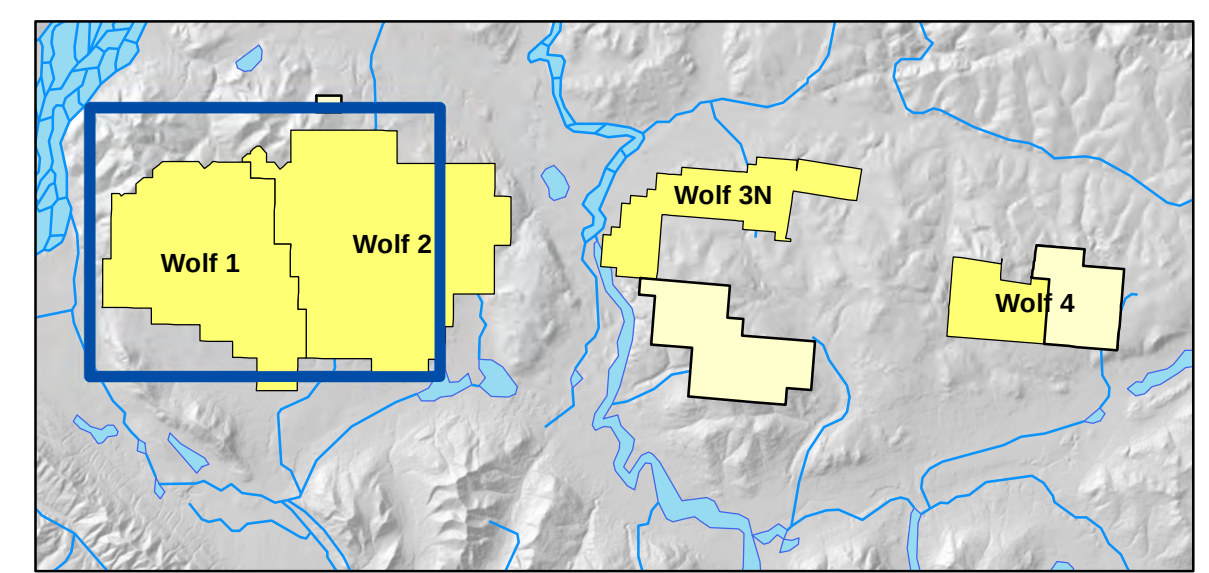
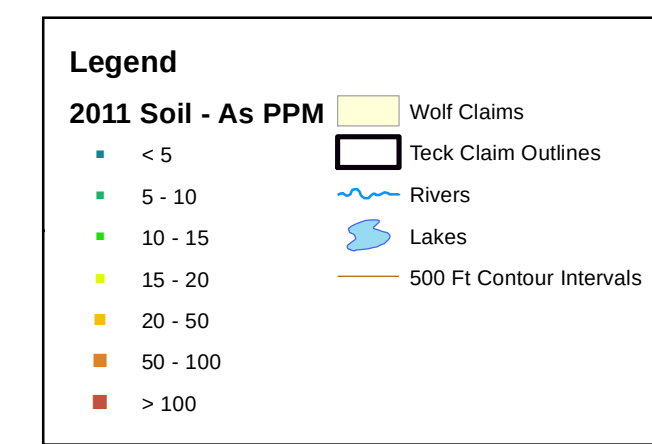
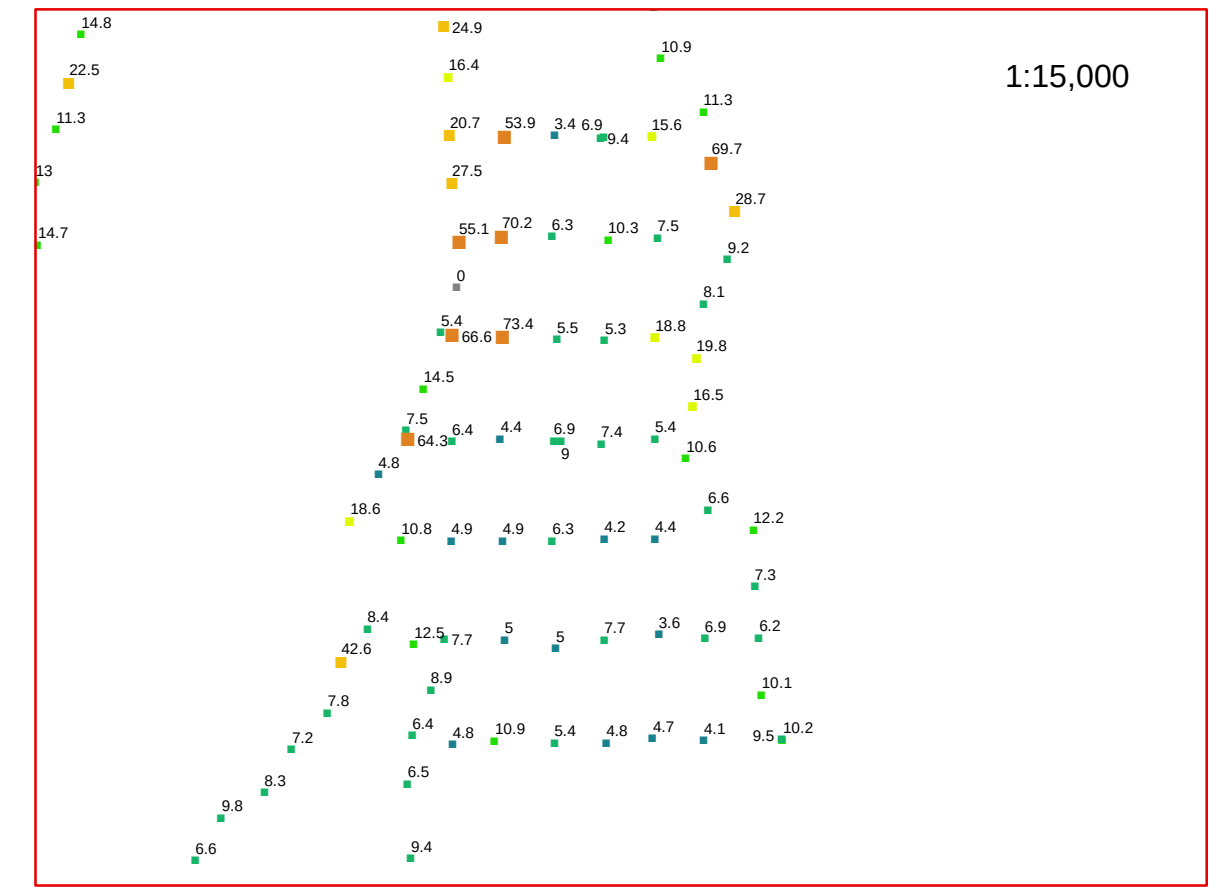
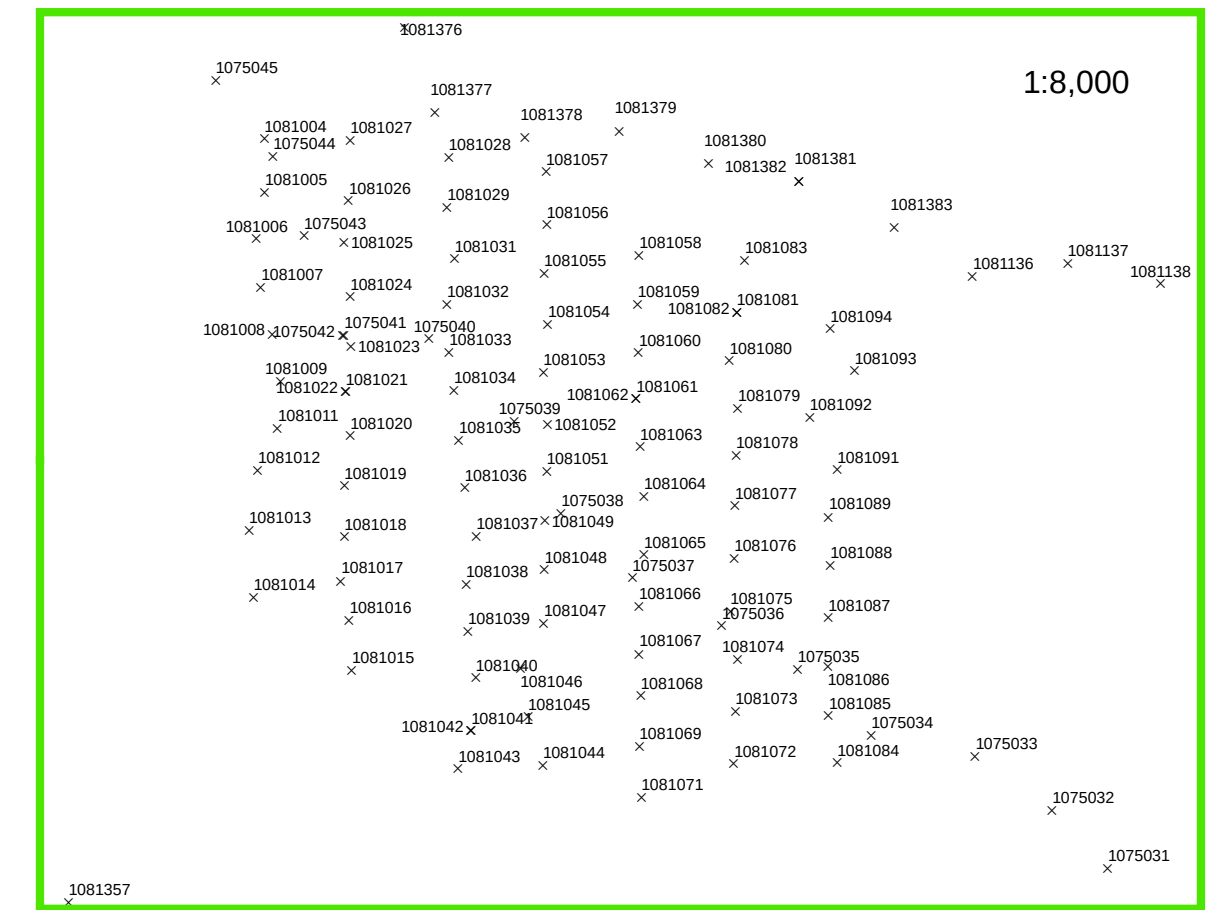
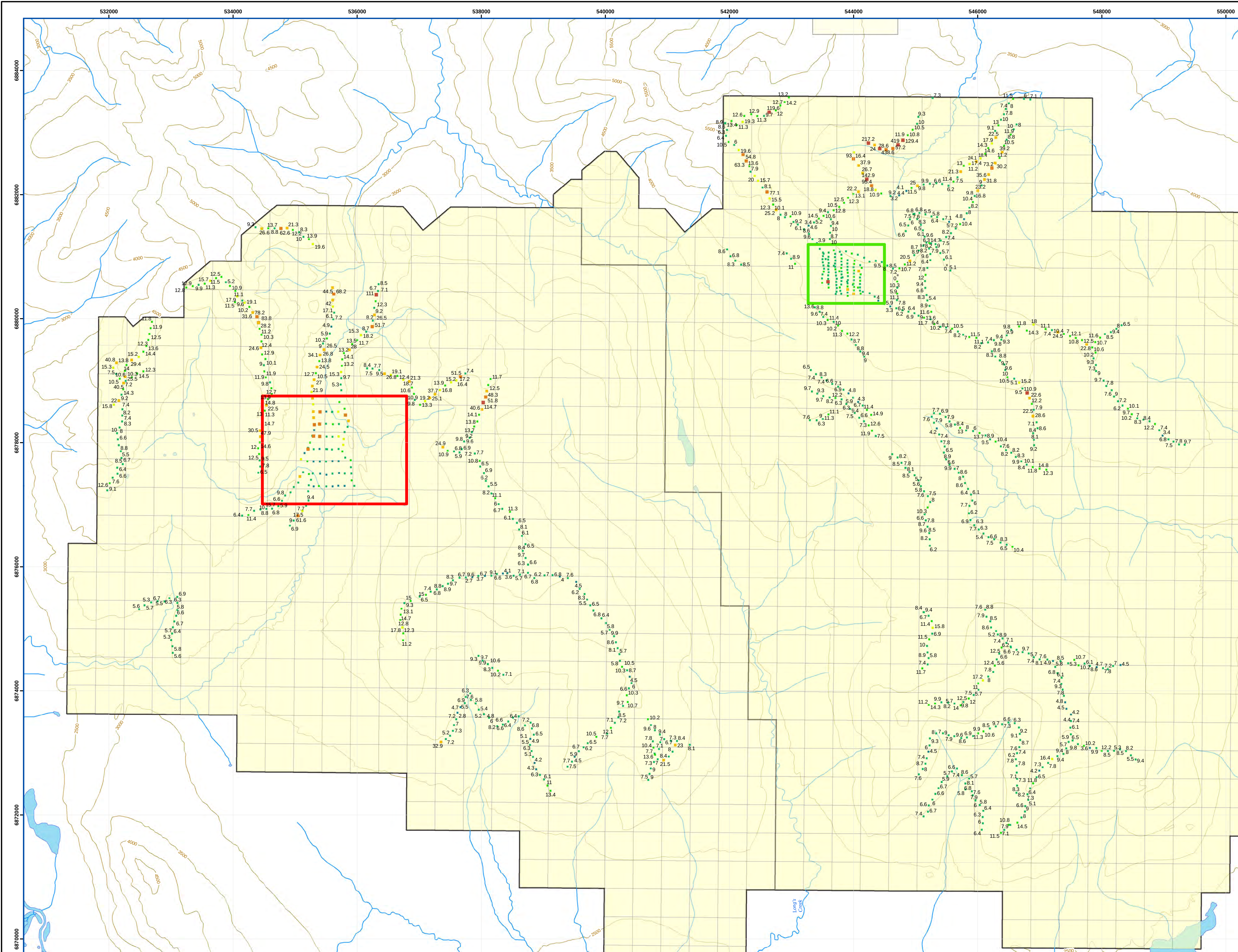
Whitehorse Mining District / Yukon Territory

Soil - Au PPB



1:30,000

DATUM: NAD83	PROJECTION: UTM Zone 7N	Figure 8a
DATE: March 27, 2012	DRAWN BY: A. Hansen	



Teck

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Wolf 1 and Wolf 2 Claims
Whitehorse Mining District / Yukon Territory

Soil - As PPM

1:30,000

DATUM: NAD83

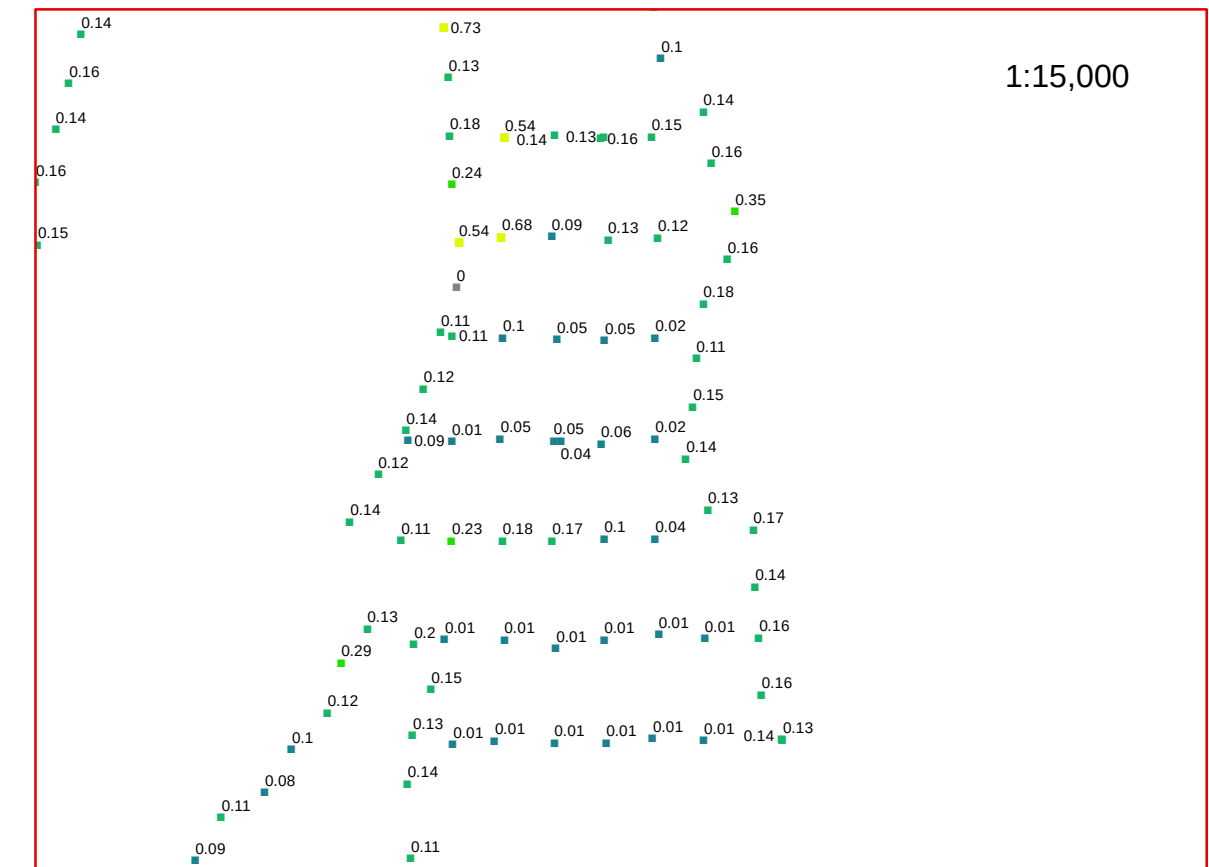
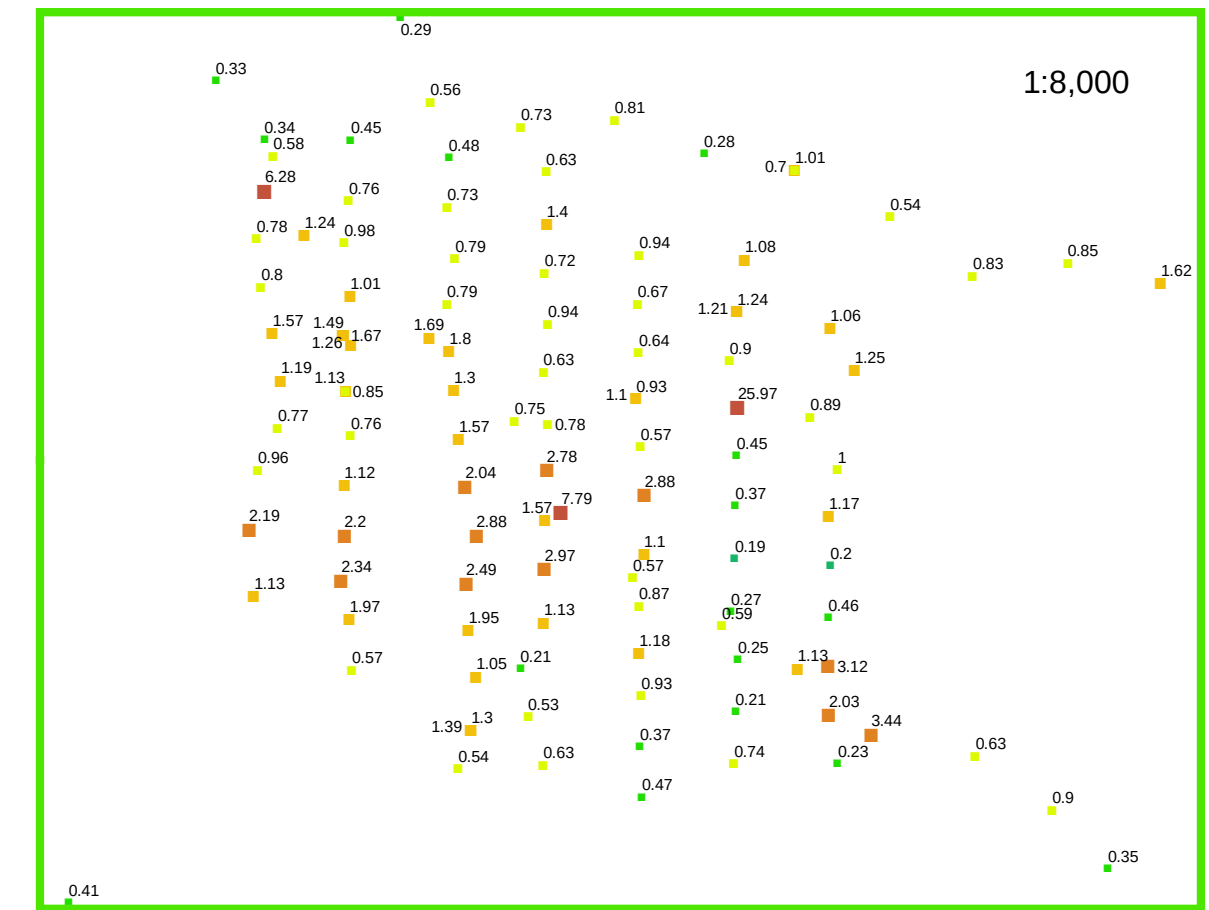
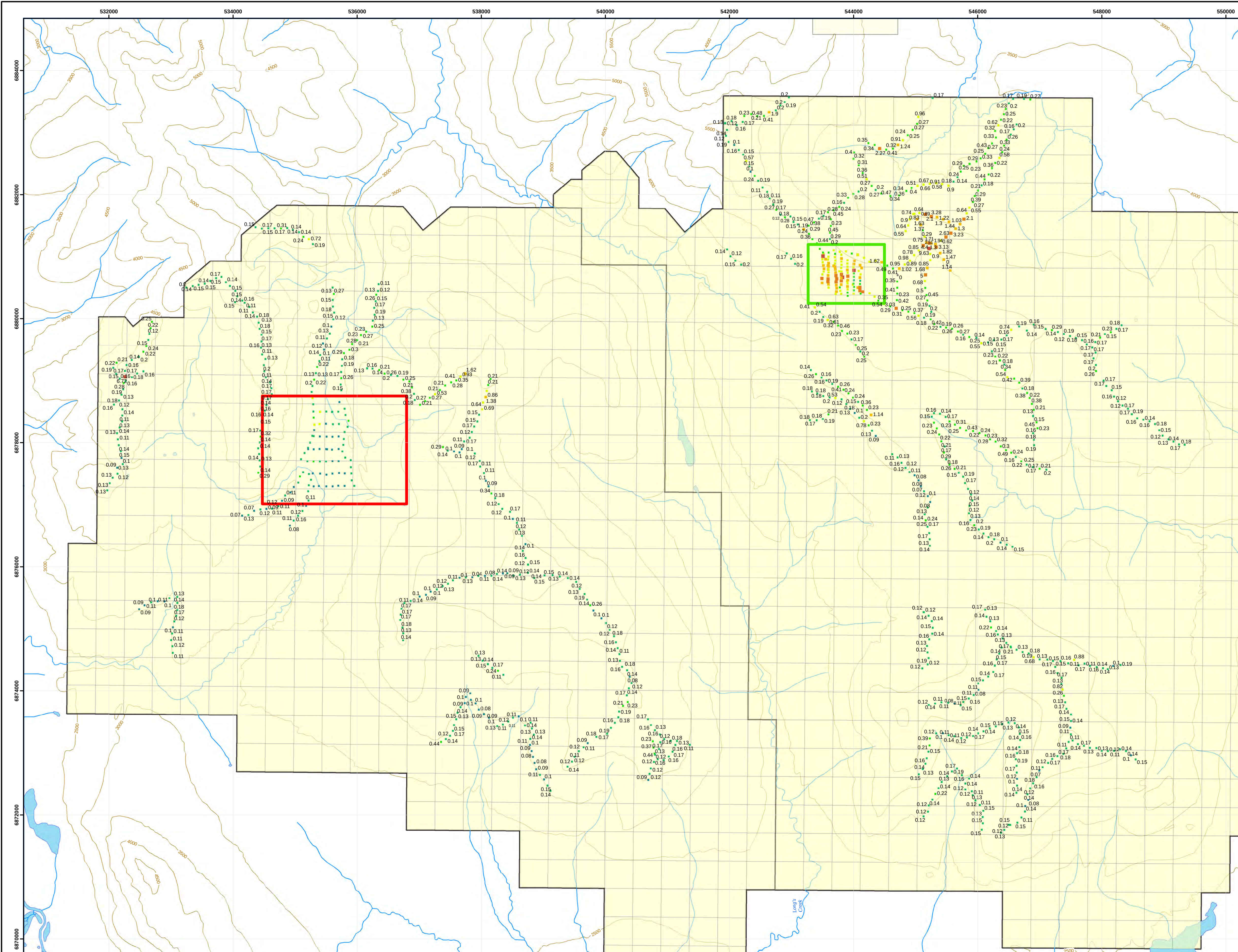
PROJECTION: UTM Zone 7N

DATE: March 27, 2012

DRAWN BY: A. Hansen

Figure

8b



Legend

2011 Soil - Bi PPM

- < 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2
- 2 - 5
- > 5

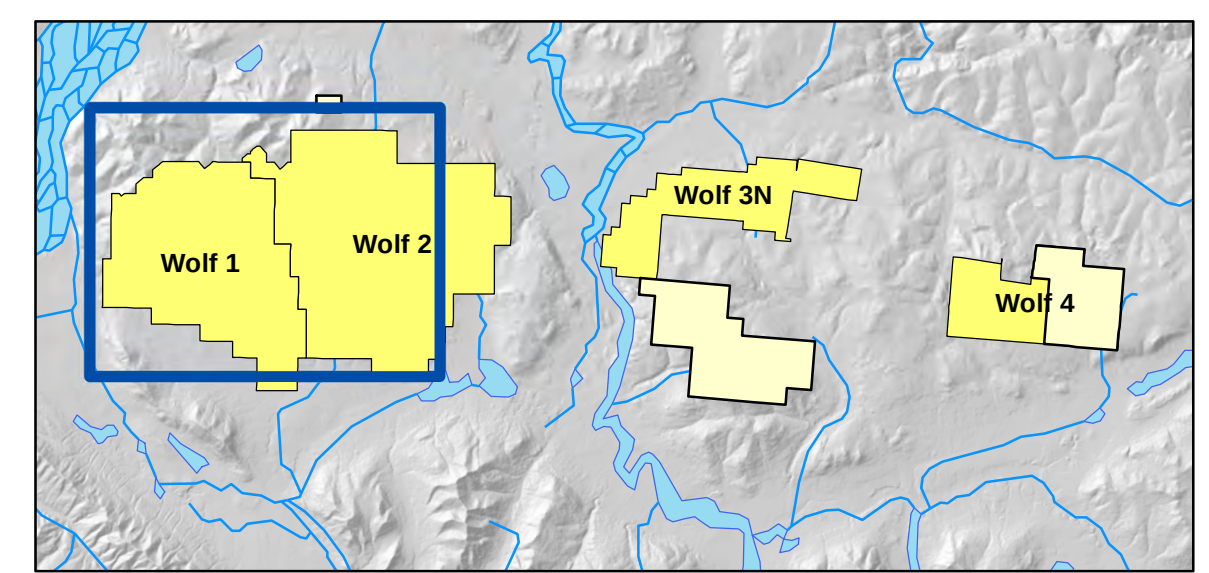
Wolf Claims

Teck Claim Outlines

Rivers

Lakes

500 Ft Contour Intervals



Teck

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Vancouver, BC Canada

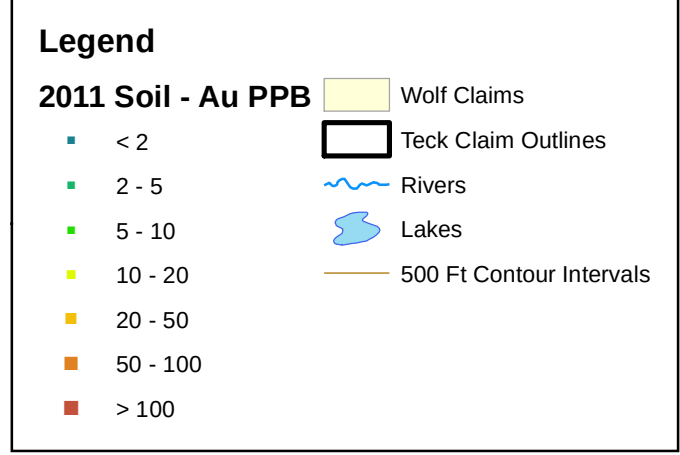
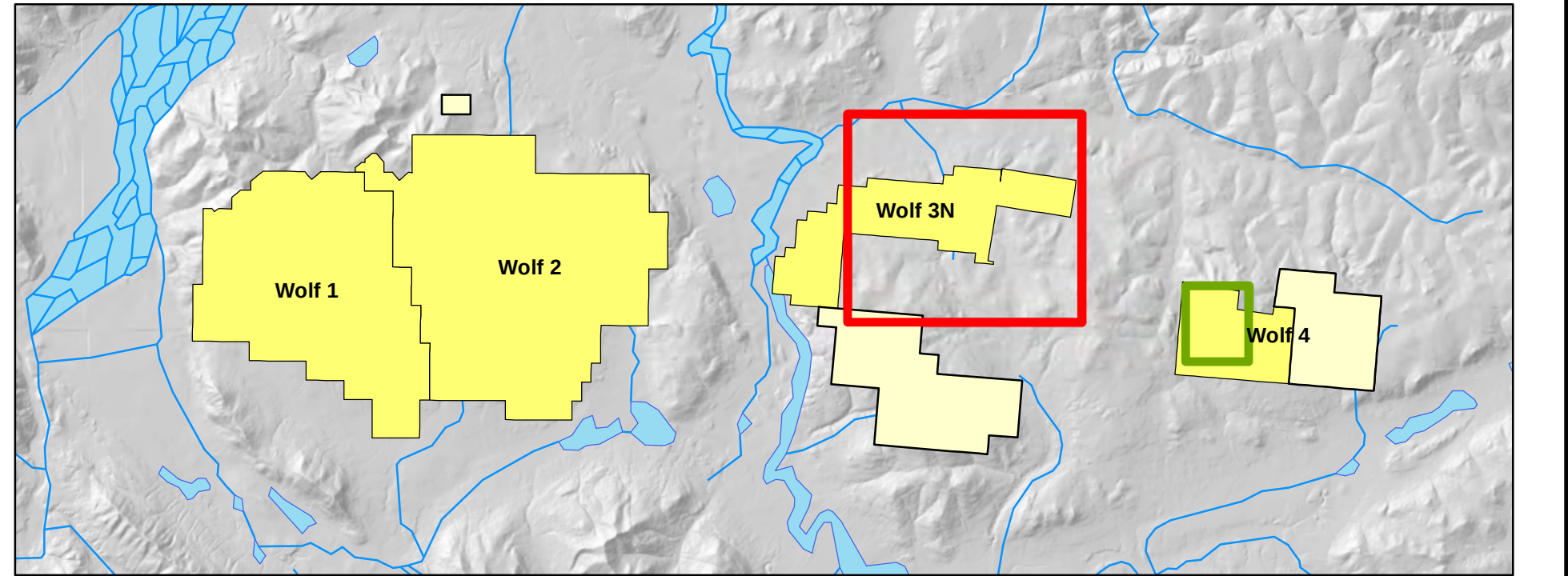
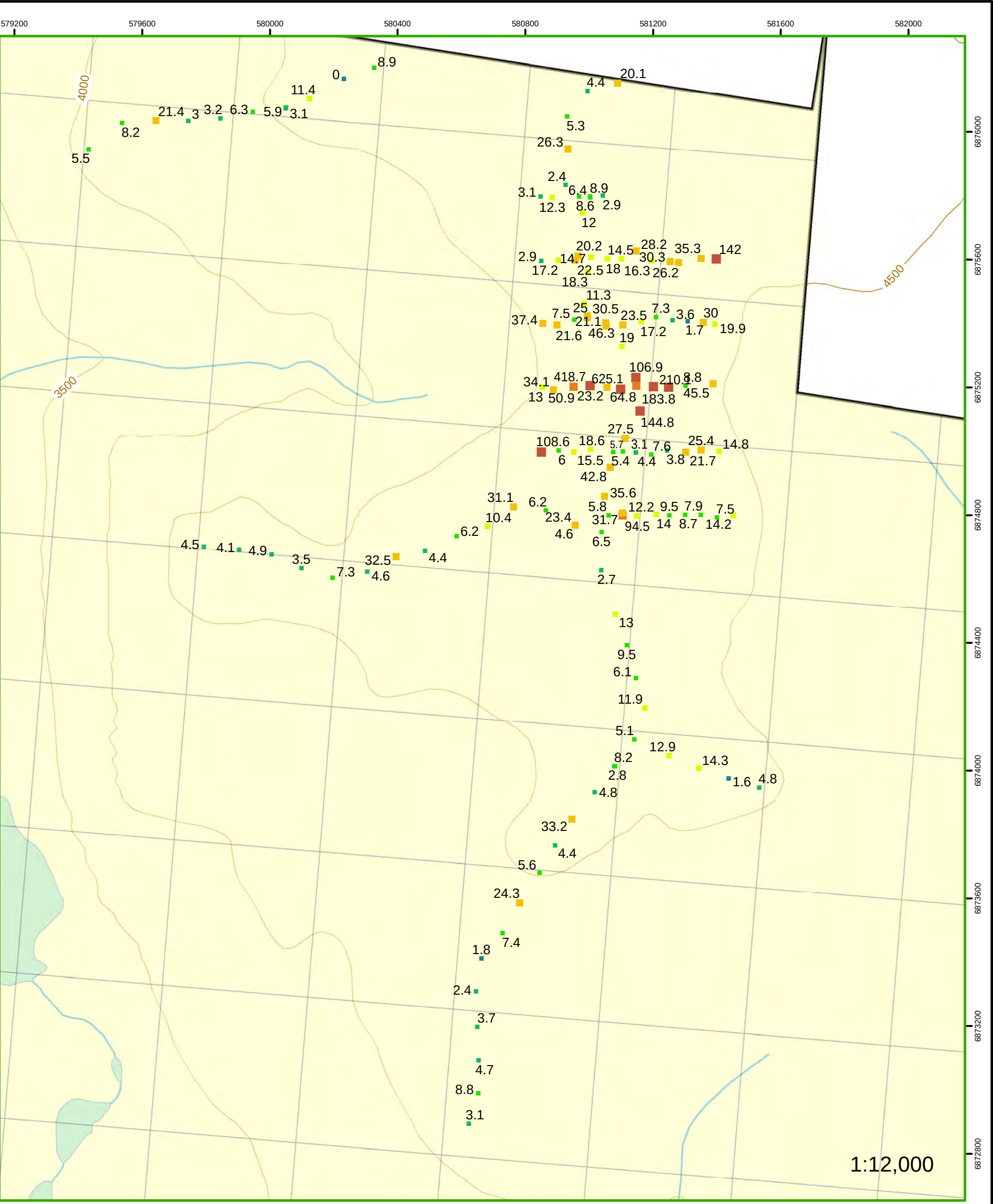
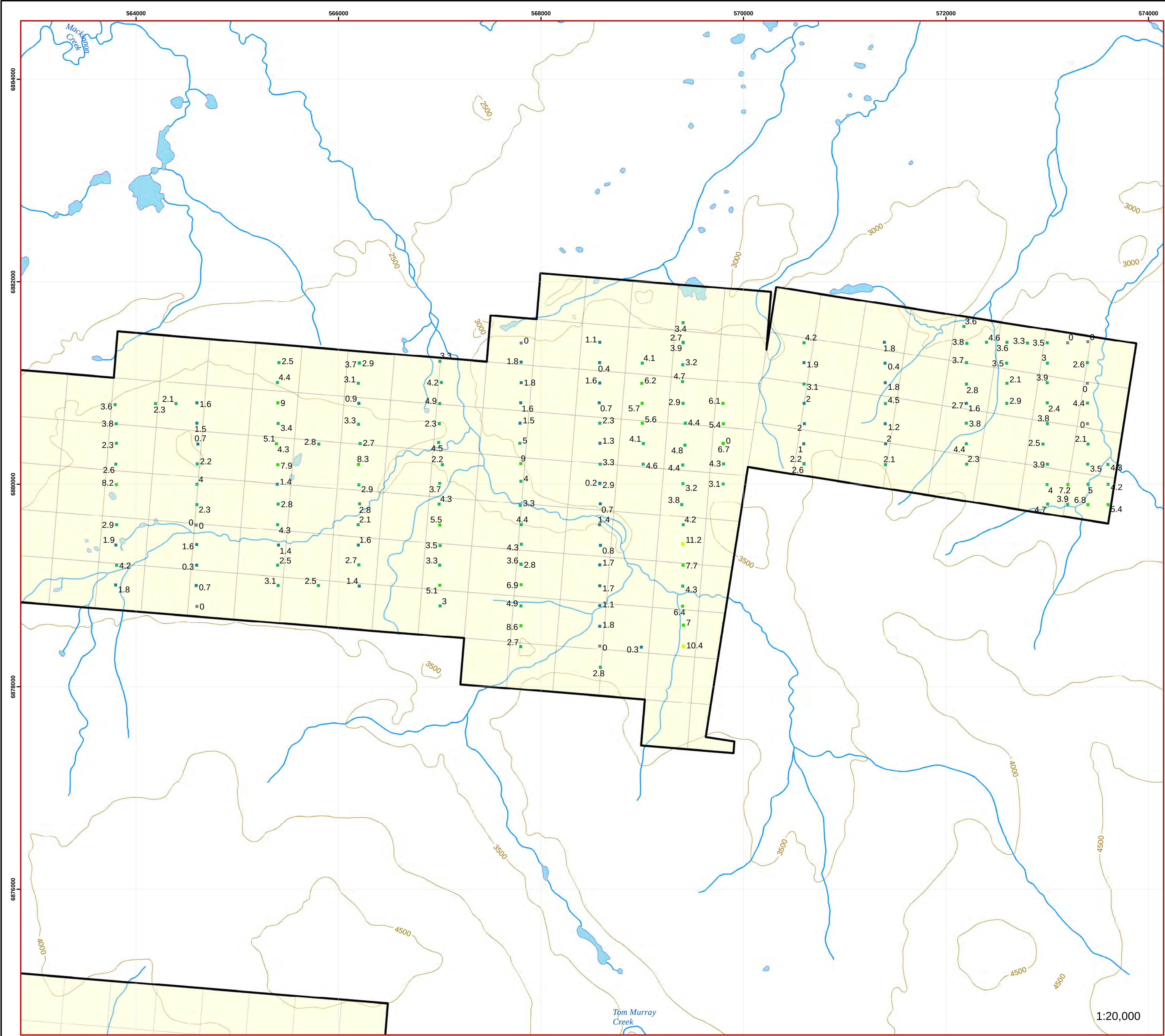
Wolf 1 and Wolf 2 Claims
Whitehorse Mining District / Yukon Territory

Soil - Bi PPM

1:30,000

DATUM: NAD83 PROJECTION: UTM Zone 7N Figure 8c

DATE: March 27, 2012 DRAWN BY: A. Hansen



Teck

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Vancouver, BC Canada

Wolf 3N and Wolf 4 Claims

Whitehorse Mining District / Yukon Territory

Soil - Au PPB

DATUM: NAD83

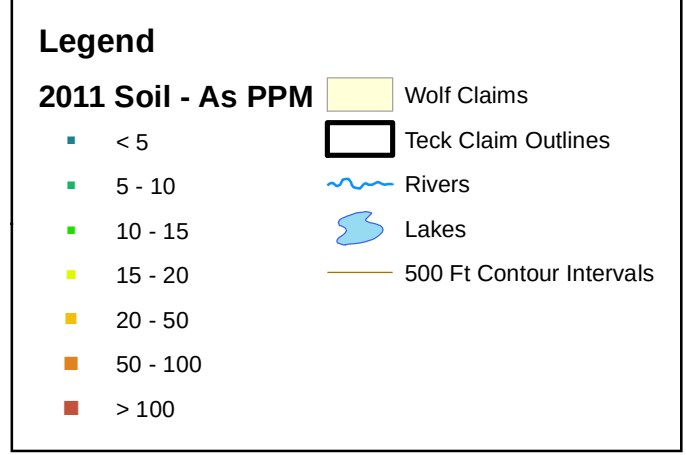
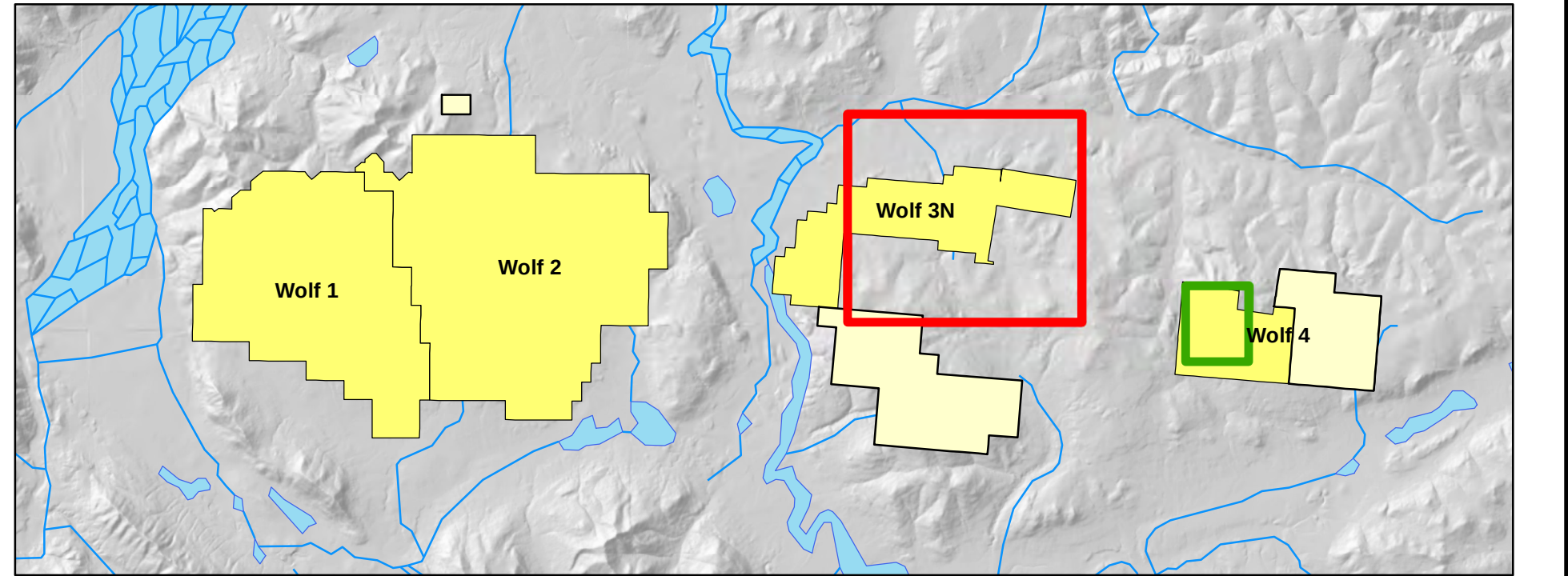
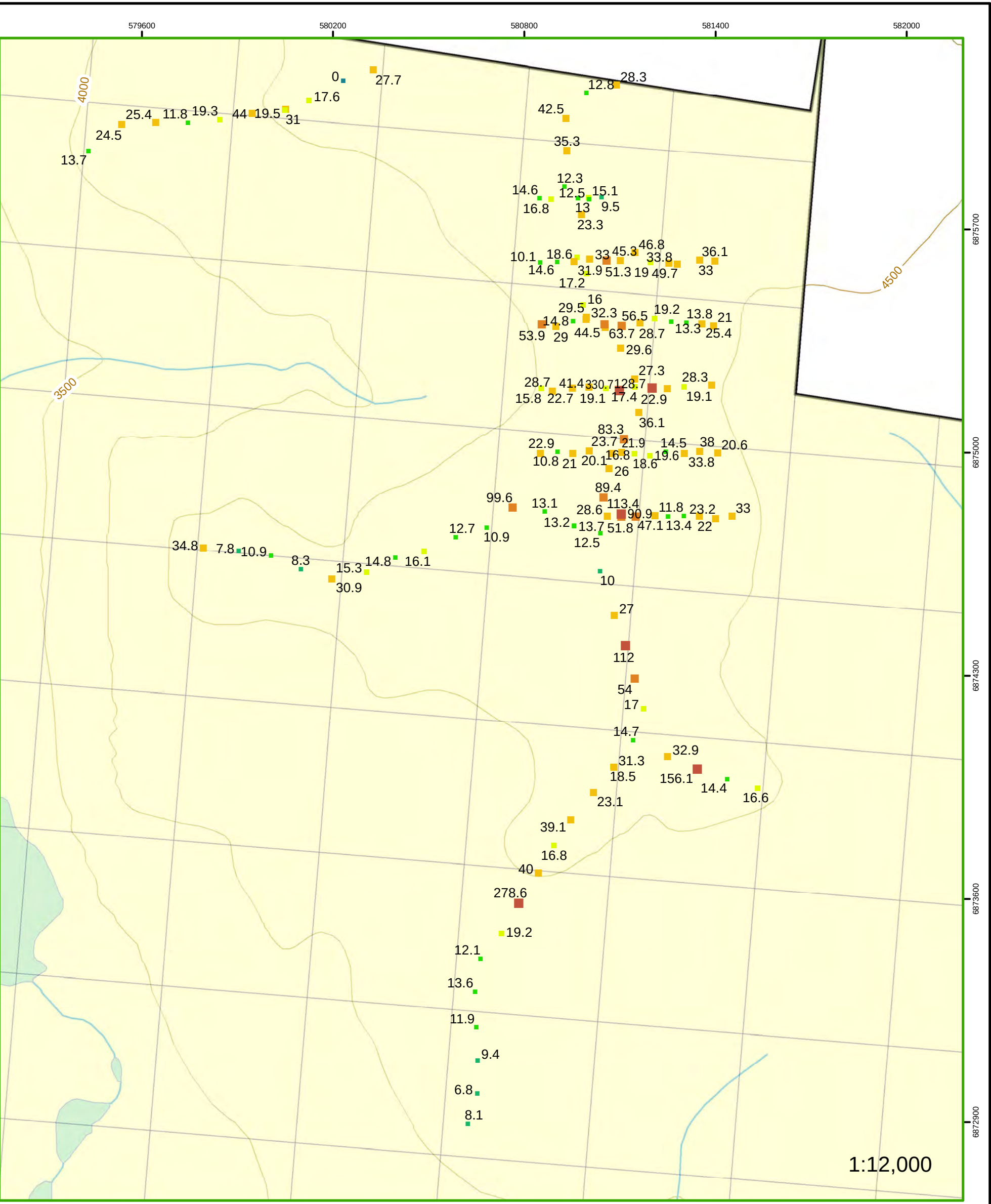
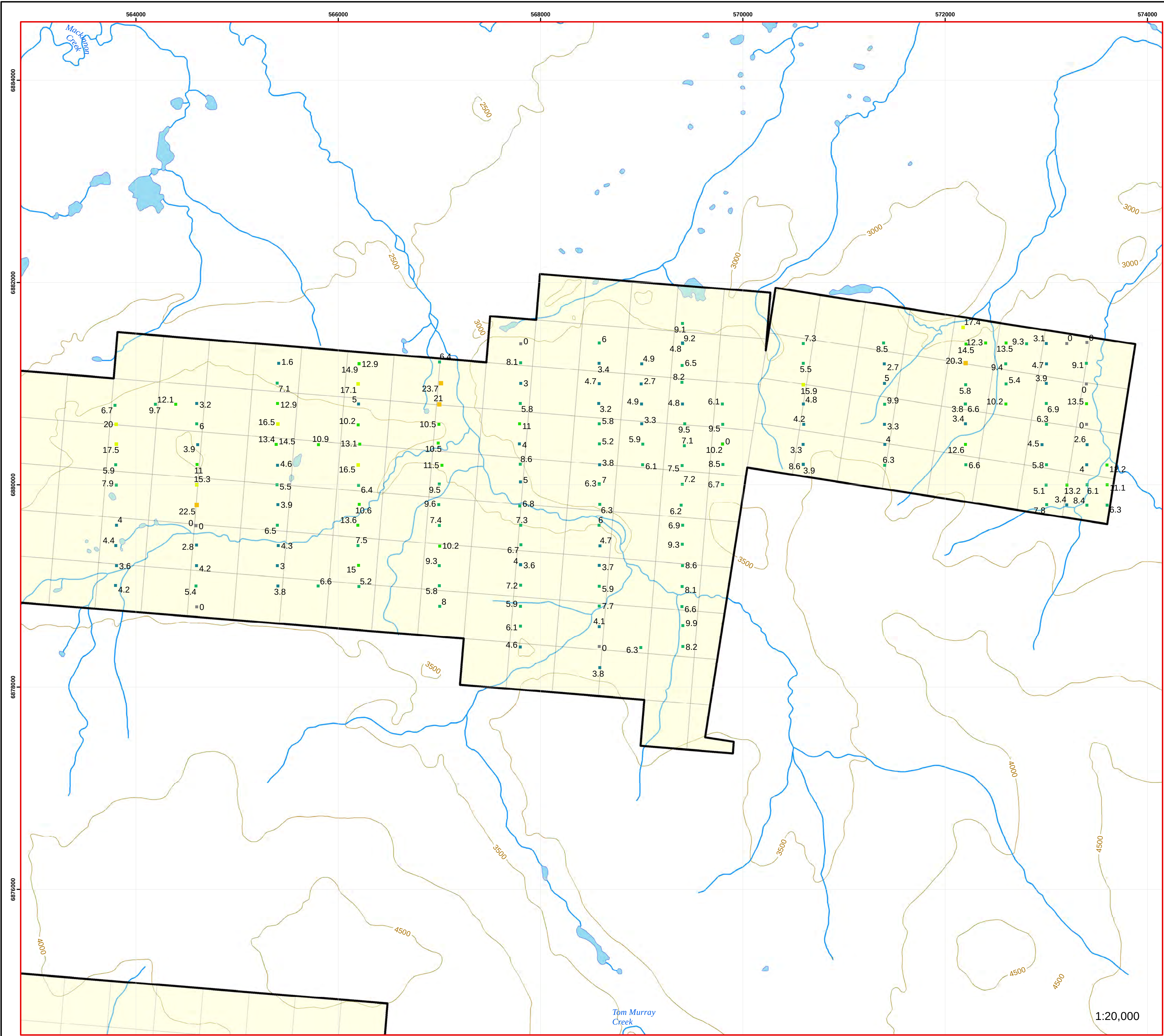
DATE: March 27, 2012

PROJECTION: UTM Zone 7N

DRAWN BY: A. Hansen

Figure

8d



Teck

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Vancouver, BC Canada

Wolf 3N and Wolf 4 Claims

Whitehorse Mining District / Yukon Territory

Soil - As PPM

DATUM: NAD83

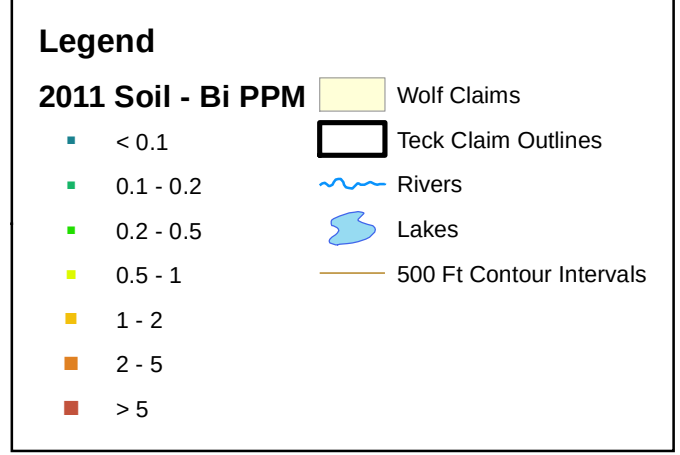
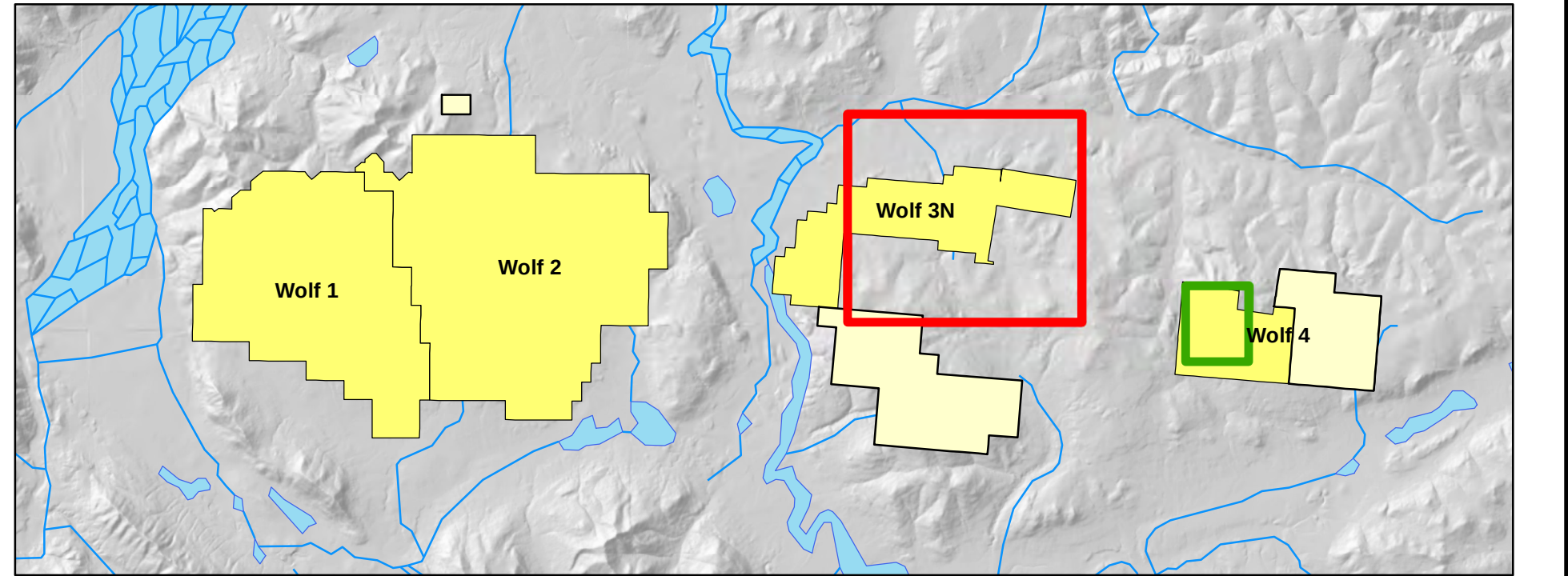
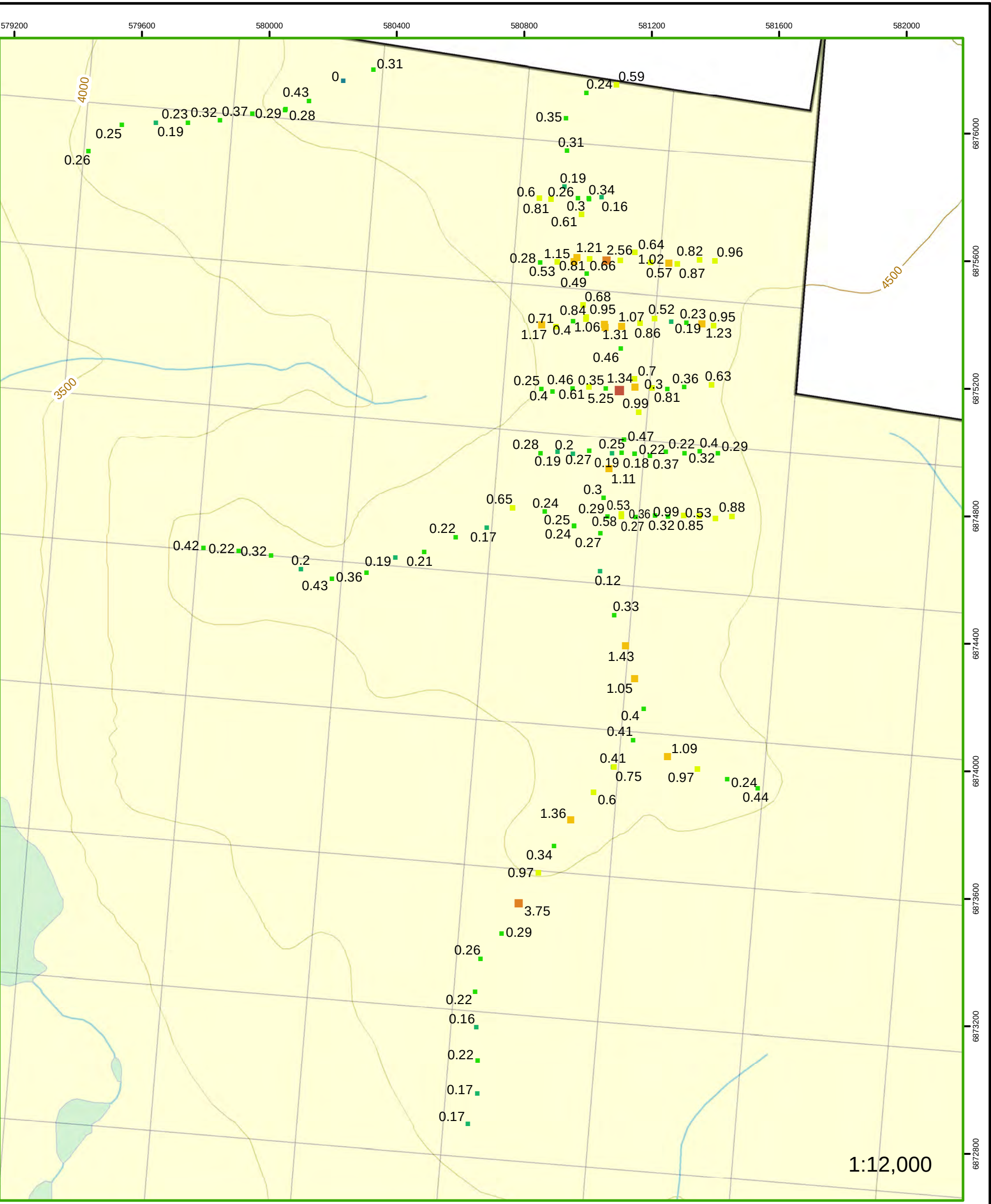
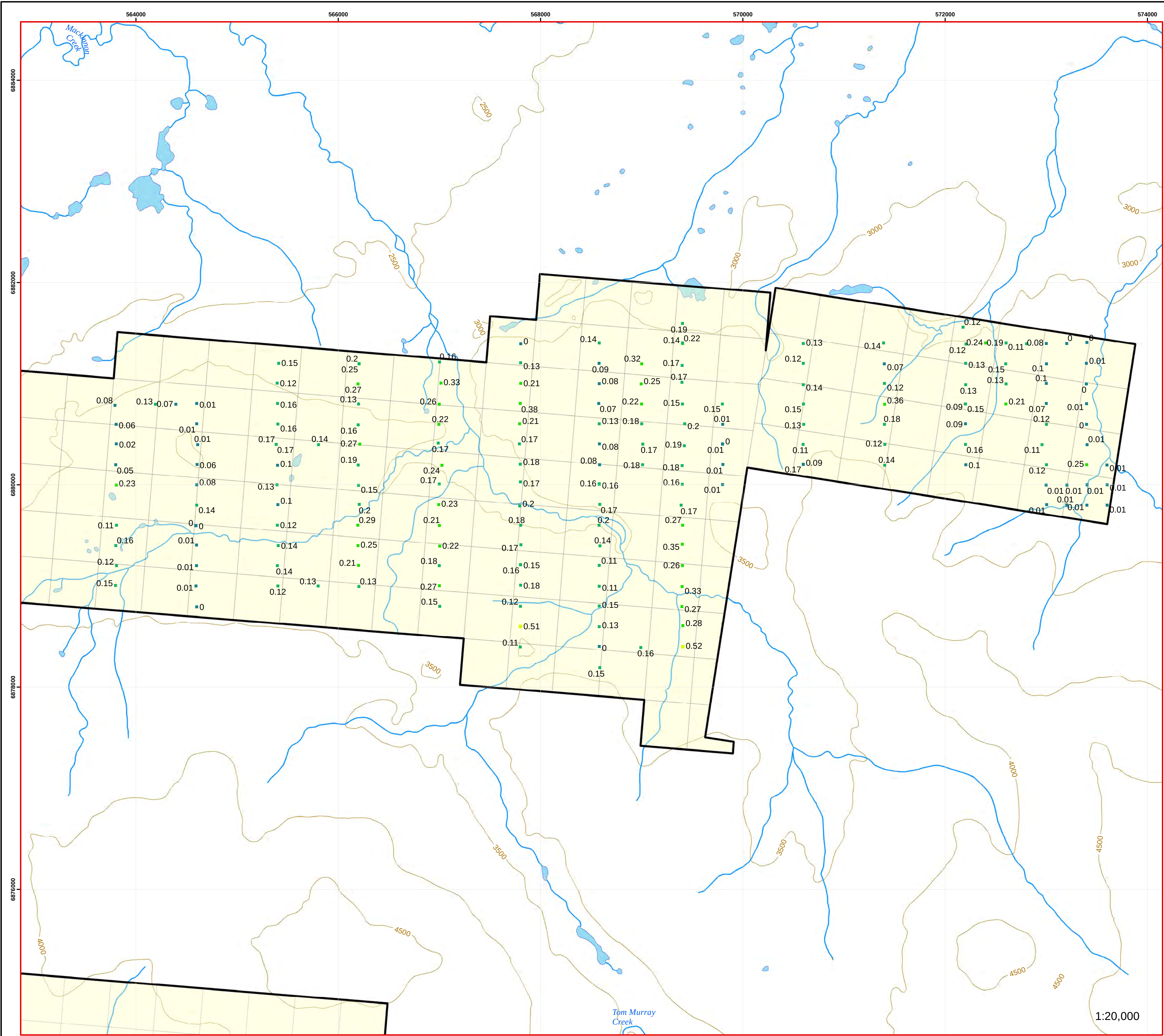
DATE: March 27, 2012

PROJECTION: UTM Zone 7N

DRAWN BY: A. Hansen

Figure

8e



Teck

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Vancouver, BC Canada

Wolf 3N and Wolf 4 Claims

Whitehorse Mining District / Yukon Territory

Soil - Bi PPM

DATUM: NAD83

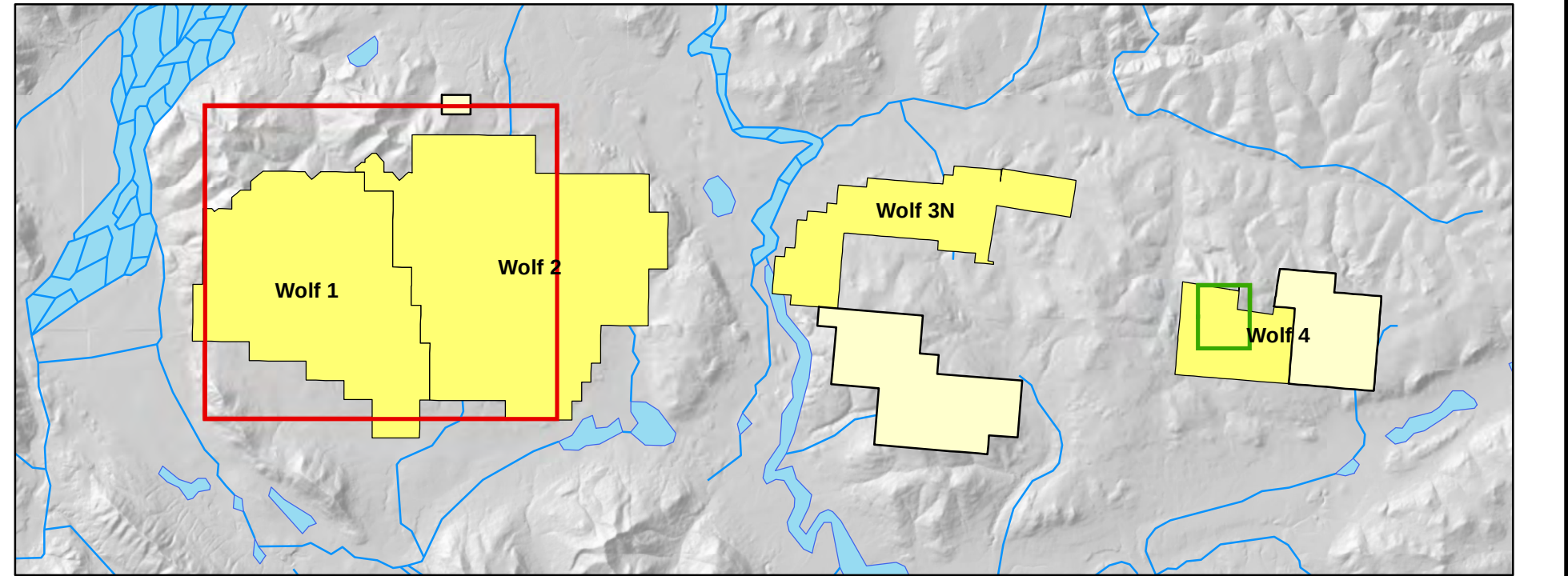
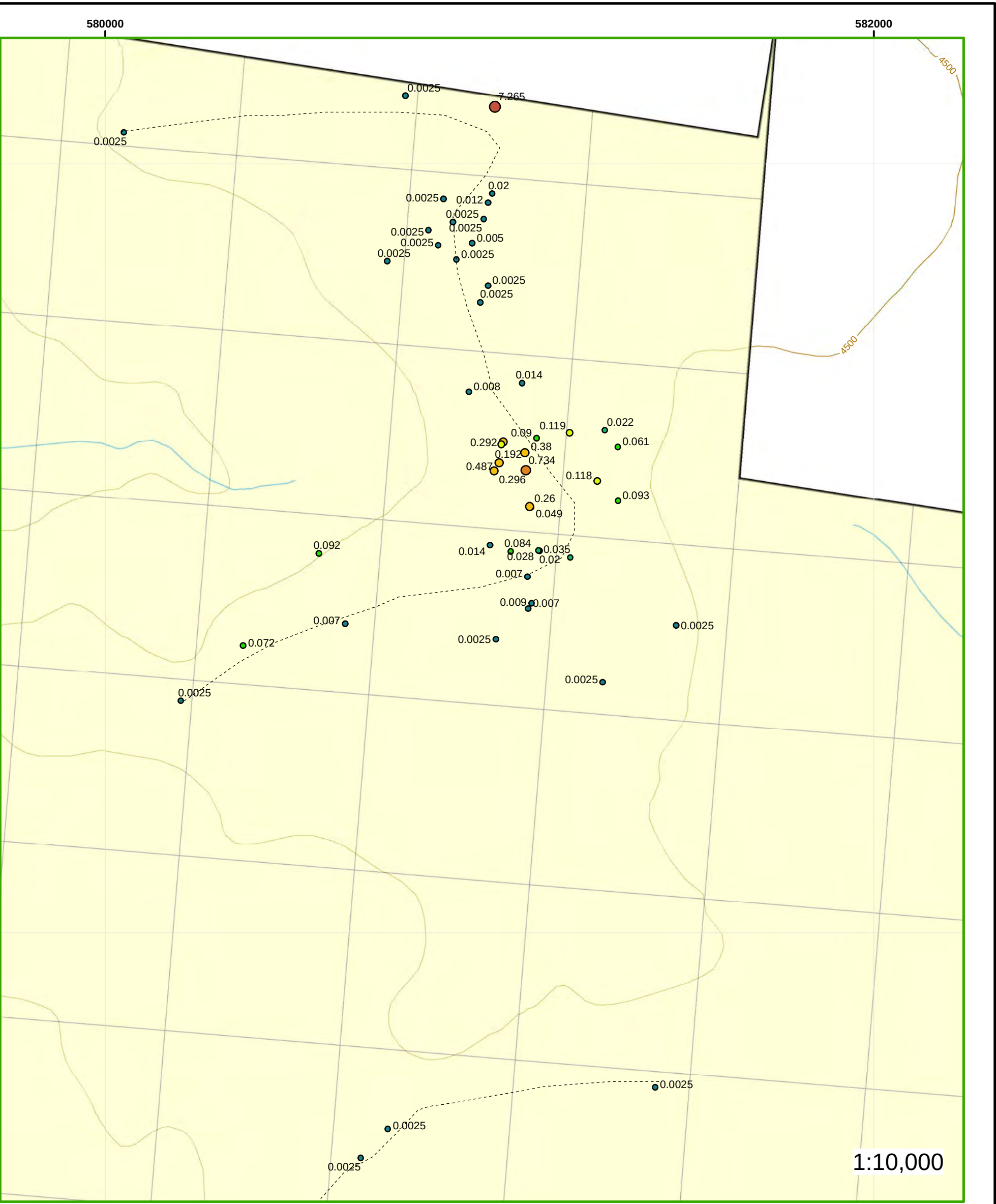
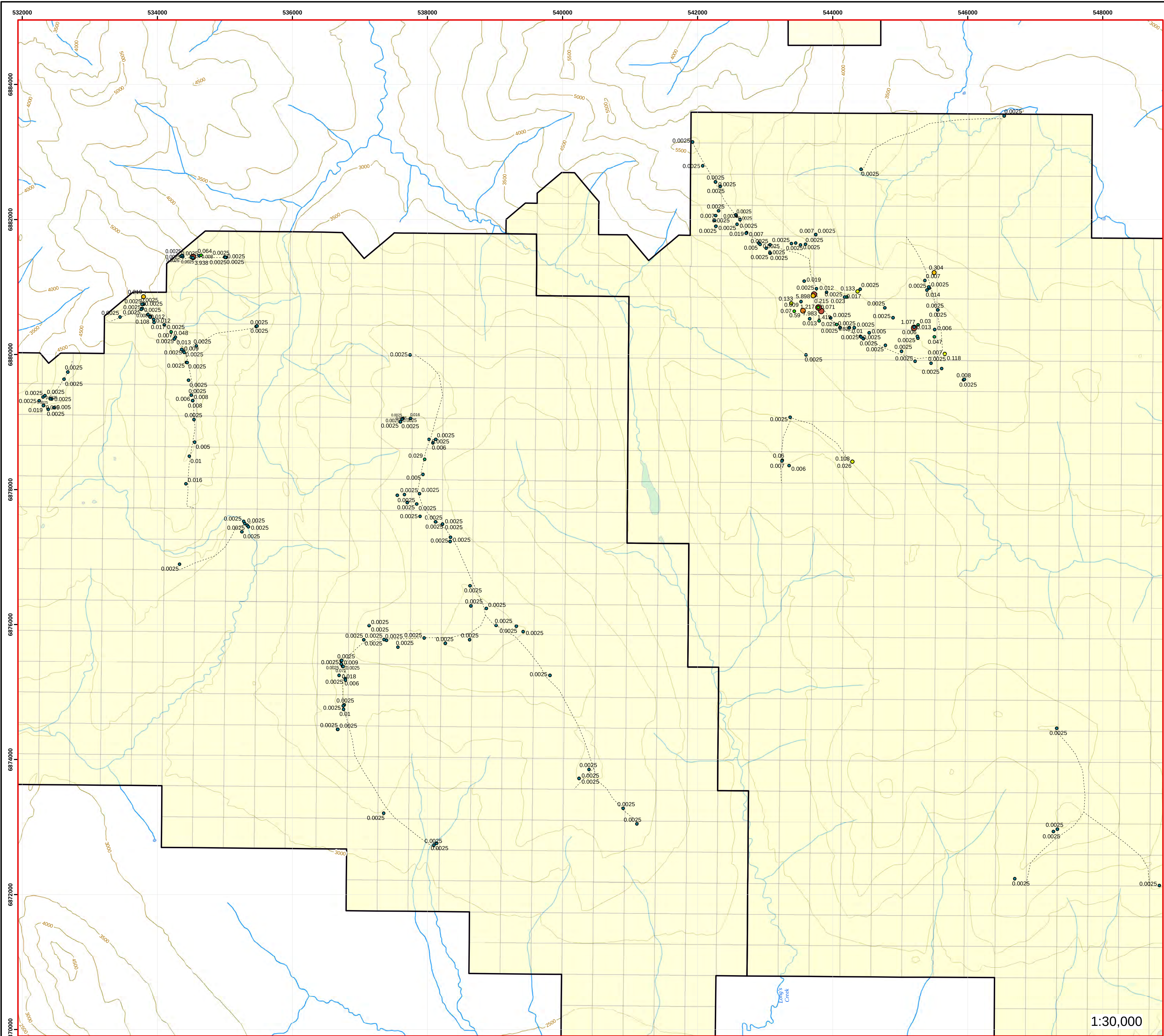
DATE: March 27, 2012

PROJECTION: UTM Zone 7N

DRAWN BY: A. Hansen

Figure

8f



Legend

2011 Rock FA - Au GPT

- < 0.02
- 0.02 - 0.05
- 0.05 - 0.1
- 0.1 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- > 1

----- 2011 Rock Traverse

— 500 Ft Contour Intervals

▭ Teck Claim Outlines

▭ Wolf Claims

— Rivers

— Lakes

Teck

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Suite 3300, 550 Burrard Street
Vancouver, BC Canada

Wolf Property

Whitehorse Mining District / Yukon Territory

Rock - Au GPT

DATUM: NAD83

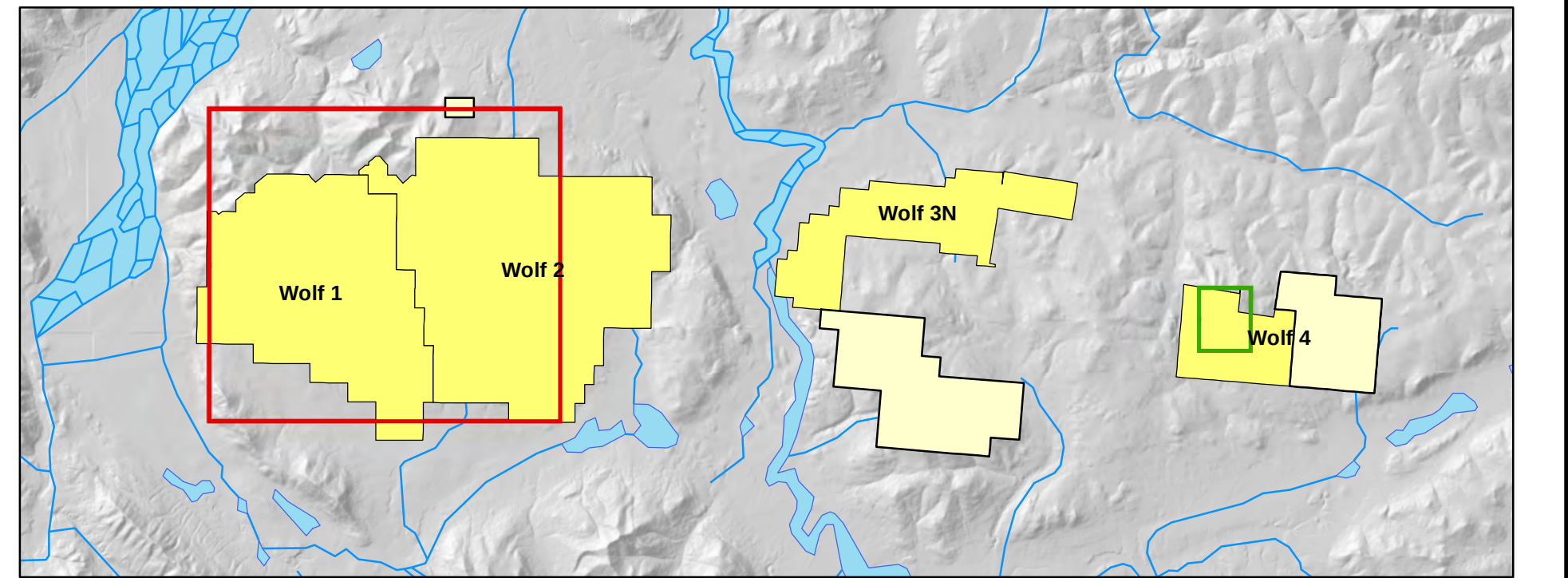
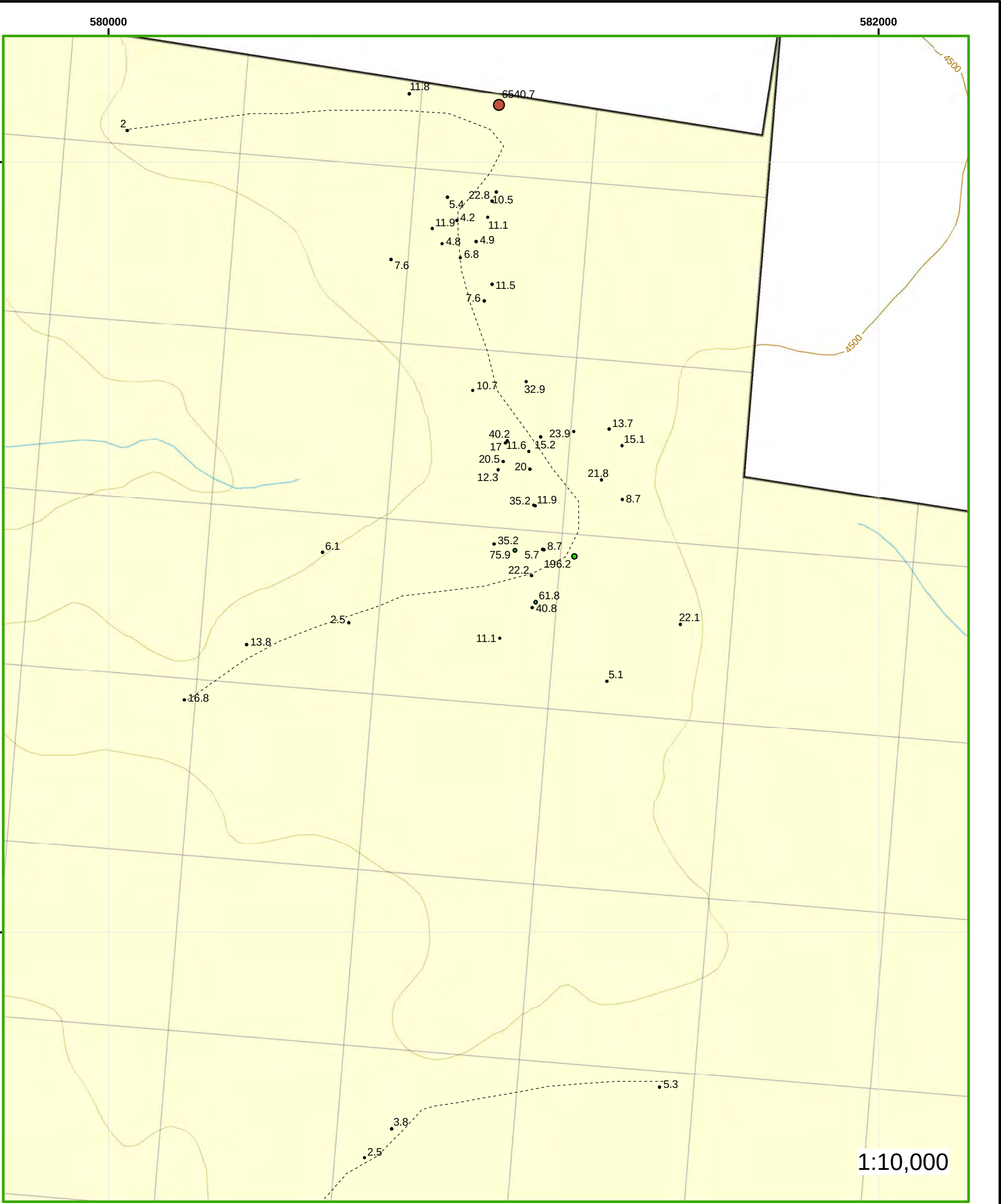
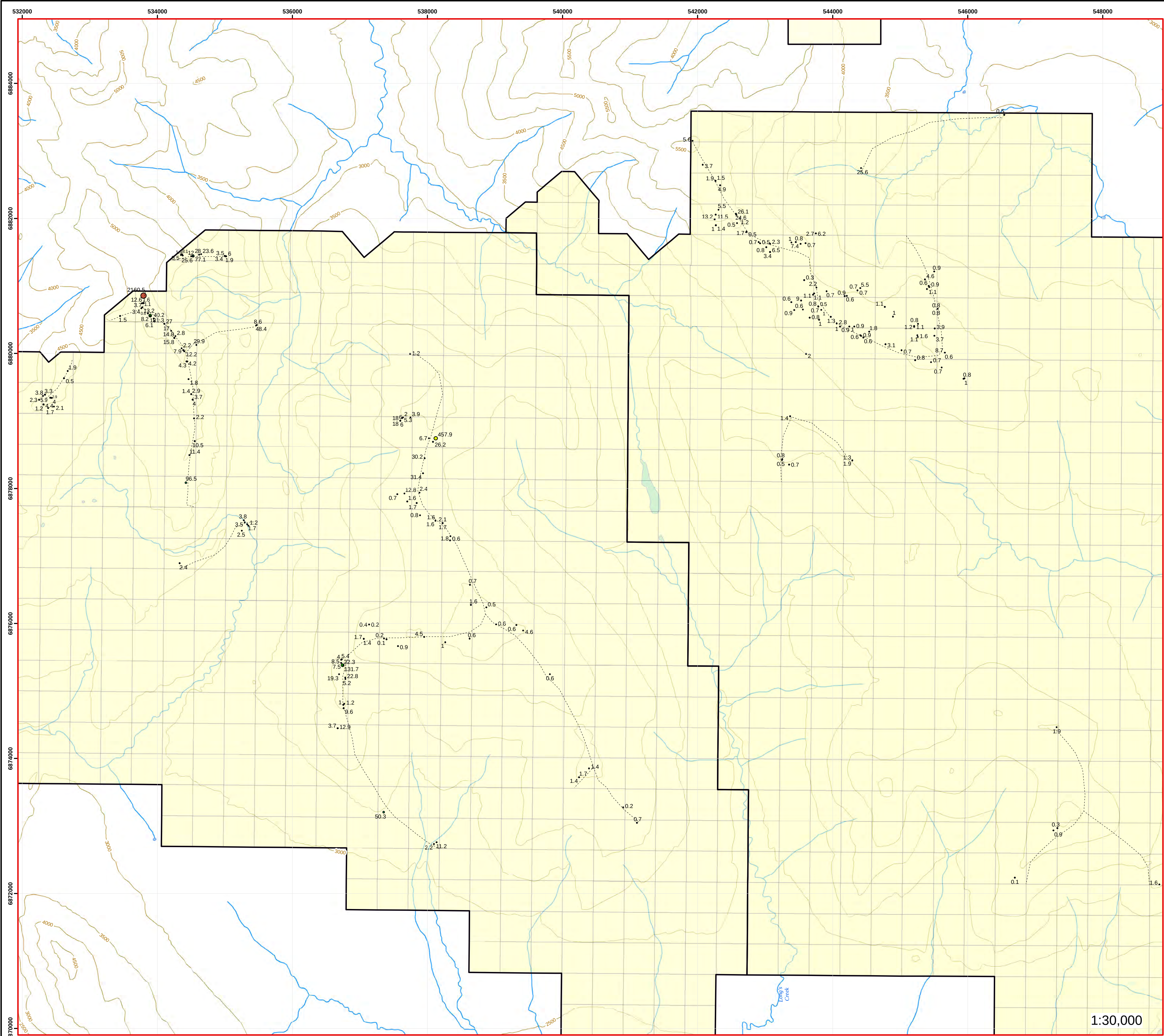
DATE: March 27, 2012

PROJECTION: UTM Zone 7N

DRAWN BY: A. Hansen

Figure

10a



Legend

2011 Rock - As PPM

- <20
- 20-50
- 50-100
- 100-200
- 200-500
- 500-1000
- 1000-2000
- >2000

----- 2011 Rock Traverse

— 500 Ft Contour Intervals

— Teck Claim Outlines

— Wolf Claims

— Rivers

— Lakes

Teck

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Vancouver, BC Canada

Wolf Property

Whitehorse Mining District / Yukon Territory

Rock - As PPM

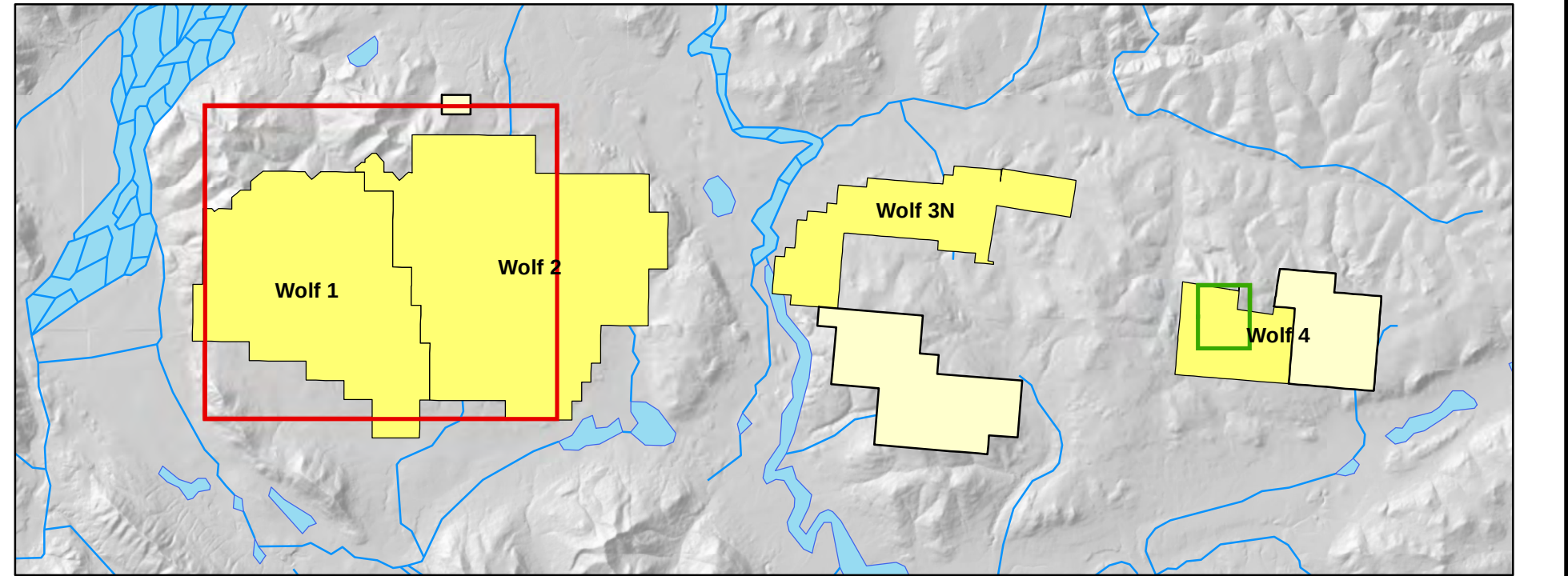
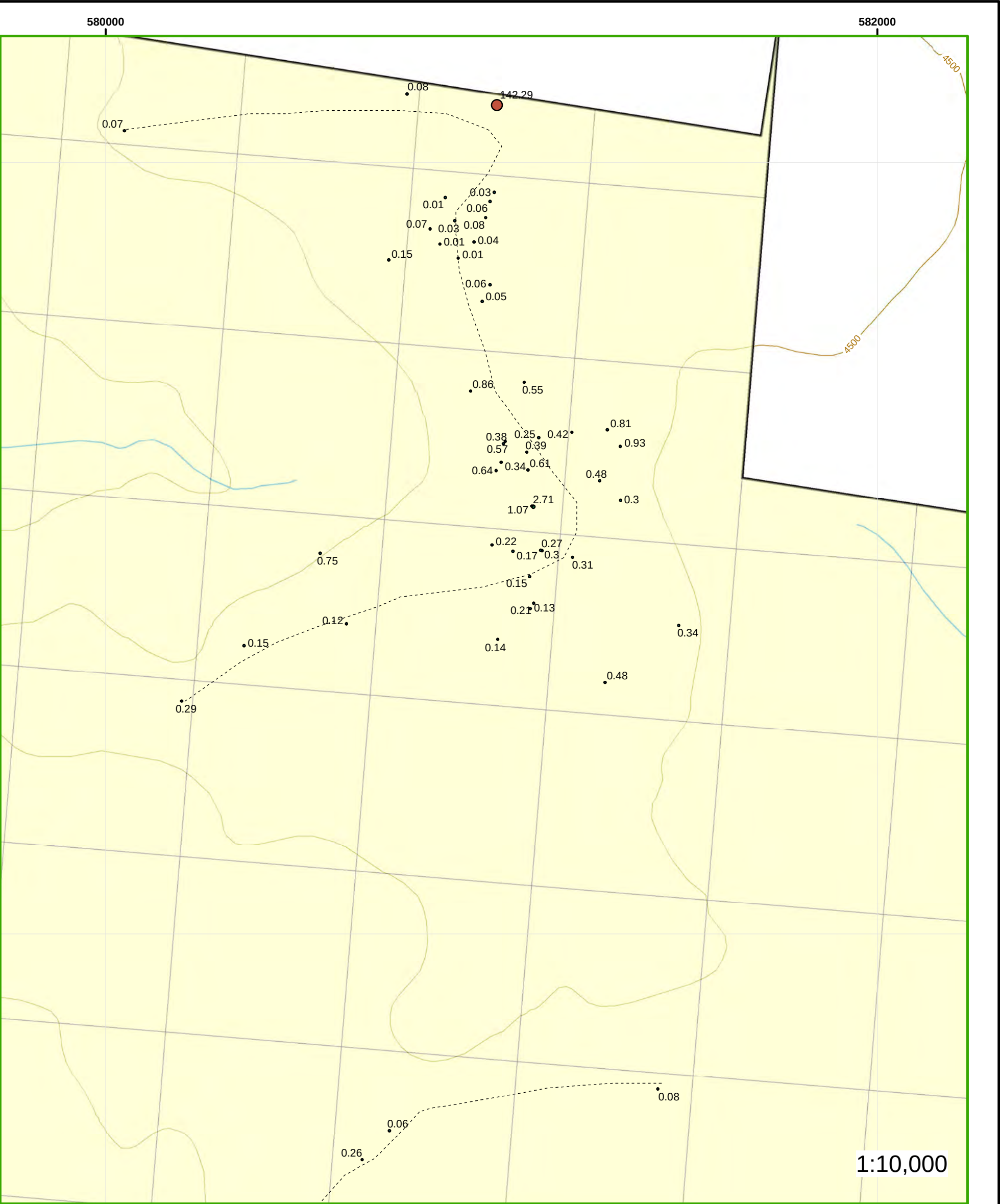
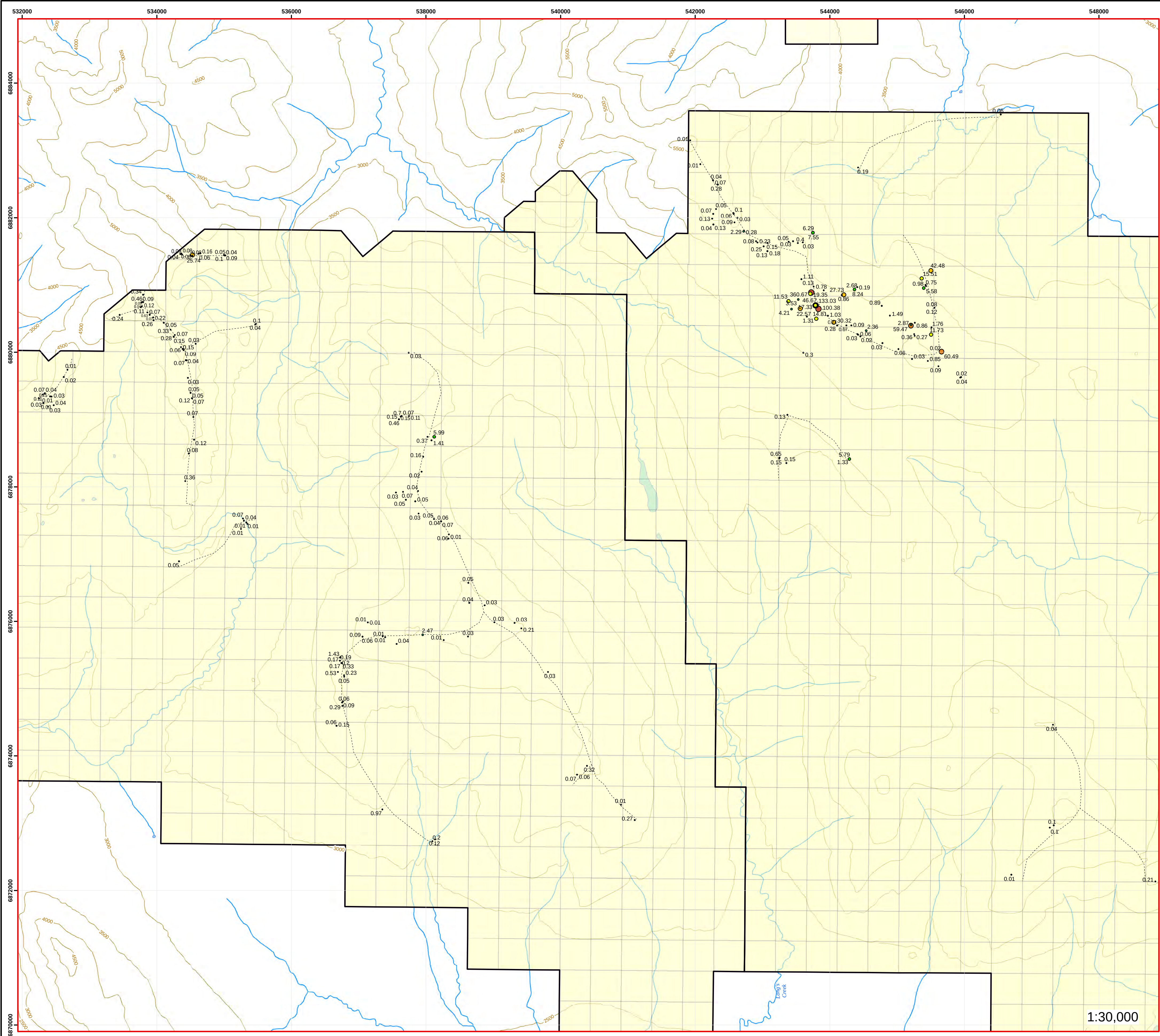
DATUM: NAD83

PROJECTION: UTM Zone 7N

DATE: MARCH 27, 2012

DRAWN BY: A. Hansen

Figure
10b



Legend

2011 Rock - Bi PPM

- < 2
- 2 - 5
- 5 - 10
- 10 - 20
- 20 - 50
- 50 - 100
- > 100

----- 2011 Rock Traverse

--- 500 Ft Contour Intervals

▭ Teck Claim Outlines

▭ Wolf Claims

~ Rivers

~ Lakes

Teck

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Wolf Property

Whitehorse Mining District / Yukon Territory

Rock - Bi PPM

DATUM: NAD83

PROJECTION: UTM Zone 7N

DATE: March 27, 2012

DRAWN BY: A. Hansen

Figure
10c