

ASSESSMENT REPORT

2012 EXPLORATION WORK ON THE WELS PROJECT

Claim Name	Grant #
WELS 01-28	YE41635-YE41662
WELS 31-56	YE41665-YE41690
WELS 63-88	YE41697-YE41772
WELS 95-104	YD73805-YD73814
WELS 111-120	YD73821-YD73830
WELS 127-136	YD73837-YD73846
WELS 137-188	YF35016-YF35067
WELS 189-201	YF35068-YF35080
WELS 202	YD88031

WHITEHORSE MINING DISTRICT, YUKON TERRITORY
NTS: 115J/05

Latitude 62° 21' 30
Longitude 139° 55'

For:

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SUMMARY

The Wels project located in west central Yukon, is comprised of three separate claim blocks (Wels East, West and South) totaling 176 quartz claims, an area of 3750 hectares. The claims are held in the name of Roger Hulstein who owns the claims 50/50 with Farrell Andersen. Gorilla Resources Corp. has an option to earn a 100% interest subject to a 3% Net Smelter Royalty (NSR). Access can be gained by helicopter based in Dawson City approximately 190 kilometres to the north or if available, out of Beaver Creek some 50 km to the west. The Alaska highway runs north-south approximately 60 km west of the Wels West claim block.

The WELS Project area is underlain by rocks currently thought to be part of the Slide Mountain Terrane (SMT) and a displaced block of Selwyn Basin Stratigraphy and Yukon Tannana Terrane. The term Windy-McKinley Terrane (WMT) of Western Yukon will be abandoned. These rocks consist of dominantly an oceanic assemblage of mafic volcanic rocks and chert (Slide Mountain) schists and gneisses of either Yukon Tannana south of Slide Mountain terrane and Selwyn Basin Stratigraphy (displaced block of North America terrane). This area of the Yukon is not well documented although currently unpublished work by Don Murphy and others are helping to unravel the geology and redefine the terrane boundaries.

The WELS West and East have been explored with funding assistance through the YMIP Target Evaluation module in both 2011 and 2012 by Gorilla Resources Corp. Most work has targeted the WELS West claim block where a significant and strong gold in soil anomaly has been outlined over a 3 km by 3 km area over a roughly NNE-SSW trending topographic ridge. The soil grid comprises 1729 auger samples collected in 2011 and 2012. The combined soil results include 47 sites reporting >100 ppb Au across the grid. Three gold in soil anomalies are evident on the grid and are named Saddle, North Ridge, and SW spur.

The Saddle zone located near the center of the claim block is the strongest anomaly extending 1500 metres in a 070° trend, and is from 50 to 300 metres wide. The anomaly was indicated when three consecutive 100 m spaced soil samples returned 291, 1425 and 3082 ppb Au marking the centre of the anomaly. A second sub-parallel but weaker anomaly extends from the SW Spur again on a 070° trend. The North Ridge anomaly is an elliptical zone approximately 900 m by 600 m. A second NNW 330° trend to the soil anomalies is also present which may link all three anomalies. These trends are consistent with regional fault trends in the area.

A 1.5 m deep trench was hand dug over the high soil anomaly on the Saddle zone exposing fractured bedrock and colluvium. Three soil samples collected at the bottom of Trench A returned 3740.0, 1984.5 and 5204.4 ppb Au. All samples were collected at a depth of 1.5 m and the soil was described as a yellowish-orange colour. Prior to receiving the high soil sample results from the Trench A, Robert Stroshein completed a property visit on July 16 and collected one rock sample from the bottom of the trench. The sample returned 149.5 ppm Au, 58 ppm Ag, 8740 As, 217 Pb, 67 Sb, 280 Ba, 49 Zn, 10 Cu, 437 Mn and 2.59% Fe. The rock geochemical signature is very similar to the signature for the grid soils.

The Wels West claim block represents a significant new gold in soil anomaly that warrants continued exploration. An airborne magnetic and radiometric survey followed by trenching over the main anomalies is recommended. If results warrant it, a series of RC or Diamond drill holes could be completed in 2013 to better evaluate these targets.

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1.0 INTRODUCTION

The Wels project is comprised in three separate properties (176 quartz claims 3675 ha) staked over anomalous stream sediment, rock and soil geochemistry results obtained by the YGS in 2002 in the Wellesley Lake area NTS 105J05, (Stroshein and Hulstein, 2006).

Gorilla Resources Corp. optioned the claims in 2011 and can earn a 100% interest in the Property by paying the claim owners certain payments in cash and common shares of Gorilla Resources and carrying out exploration commitments over a four year period.

In 2011, a YMIP grant No. 11-046 was approved, executed and reported on by Stroshein, 2012. The 2011 work (827 auger soil samples) identified a number of compelling soil anomalies on the Wels West claim block that warranted serious follow-up work. Three consecutive soil samples across a prominent topographic high on the Saddle Zone returned 291,1425 and 3082 ppb Au. In 2012 a second YMIP grant No 12-024 was obtained and additional work included infill grid soil sampling and minor hand trenching, completed by All-In Exploration. This report notes the significant results obtained in the 2012 exploration work and both years' soil data sets (1729 soils) are included in the soil geochemical plots and in the discussion of results.

The 2012 work program by Gorilla Resources Corp was carried out from June 17-28th, 2012 by All-In Exploration, under the supervision of Robert Stroshein, P.Eng. The 48 man day program consisted of infill grid soil sampling and hand trenching on the Wels West claim block. This work provided infill sampling over the anomalous area in the 2011 grid. A total of 902 soil samples were obtained and analyzed. The sampling program was contracted to All-In Exploration and geochemical analyses were completed by Acme Analytical Laboratories (Vancouver) Ltd. The assays were prepared by Aqua Regia Digestion and analysed by MS-ICP for 36 elements including gold. The results have been compiled and plotted for interpretation.

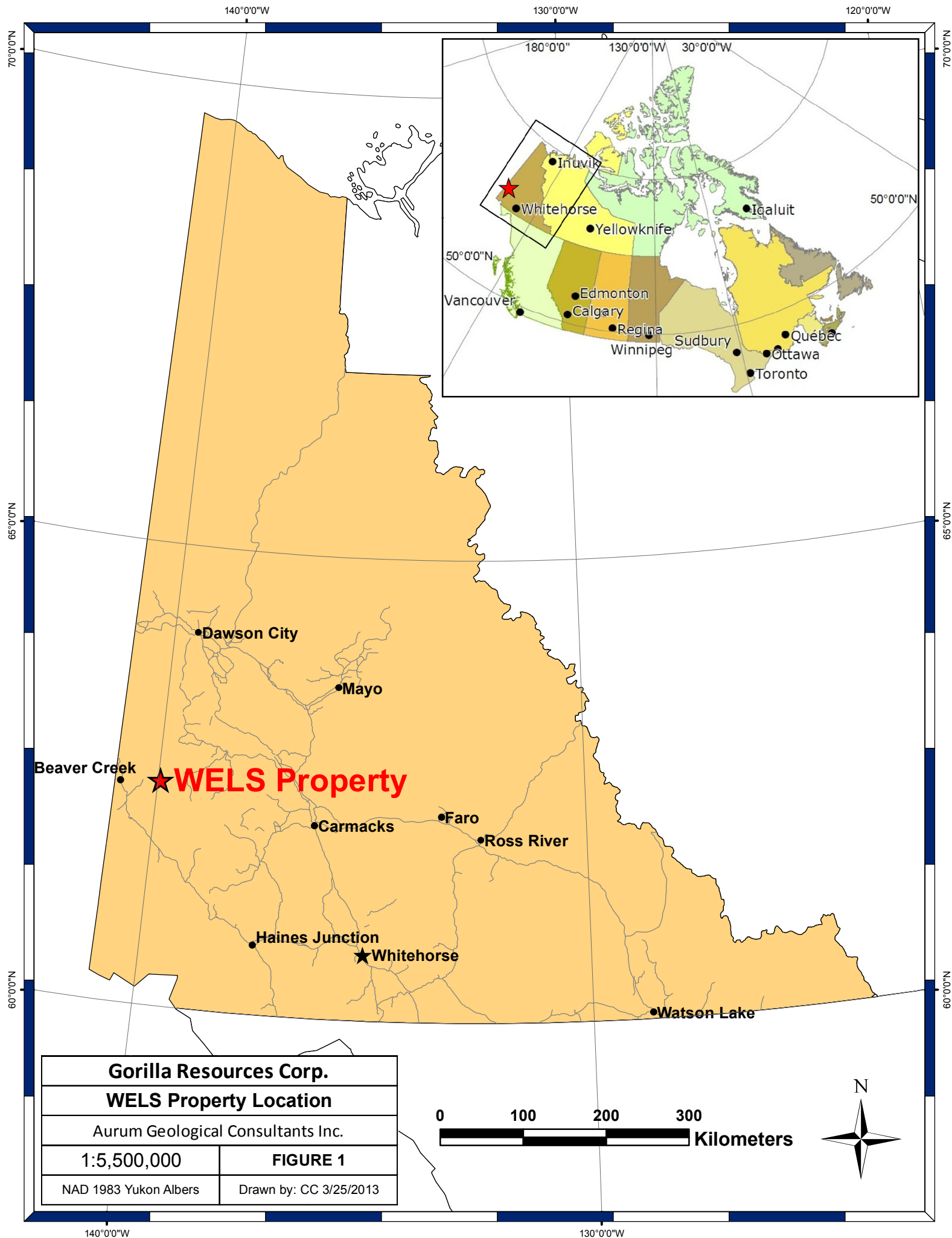
The data confirms and better defines a cluster of 3-4 significant gold in soil anomalies over a 1500 m by 3000 m area. The Saddle anomaly is the strongest extending for over approximately 1500 m east west by 400 m wide and two outlying anomalies to the northeast and southwest are named the North Ridge and SW Spur respectively. Soil sampling across the Saddle Zone returned 6 high gold in soil values ranging from 290 to 5204 ppb Au. Three of these were collected from the bottom of Trench A and returned 1984, 3740 and 5204 ppb Au respectively.

Prior to receiving the 2012 soil sample results from Trench A, Robert Stroshein conducted a site visit on July 16 to both the Wels West and Wels East claim blocks. Trench A on the Wels West Grid (WELS 46, YE41680) was sampled and returned an assay of 149.5 ppm Au.

The author has not visited the claims and is relying on the work completed by Robert Stroshein during the 2011 and 2012 field seasons prior to his untimely passing in mid-December 2012. All data has been carefully checked and there is no reason to believe that the data is not accurate.

2.0 LOCATION AND ACCESS

The Wels Project is located approximately 50 km east of Beaver Creek and 190 km south of Dawson City. All three claim blocks are located on map sheets NTS 115J/05 (Figure 1). Access is by helicopter or float equipped fixed wing aircraft to Wellesley Lake located central to the three claim blocks. Helicopters are available for charter in Dawson City. Float equipped fixed wing aircraft are available for charter in Whitehorse. Access to the property in 2011 and 2012 was gained by a combination of the two.



3.0 PROPERTY DESCRIPTION AND CLAIM STATUS

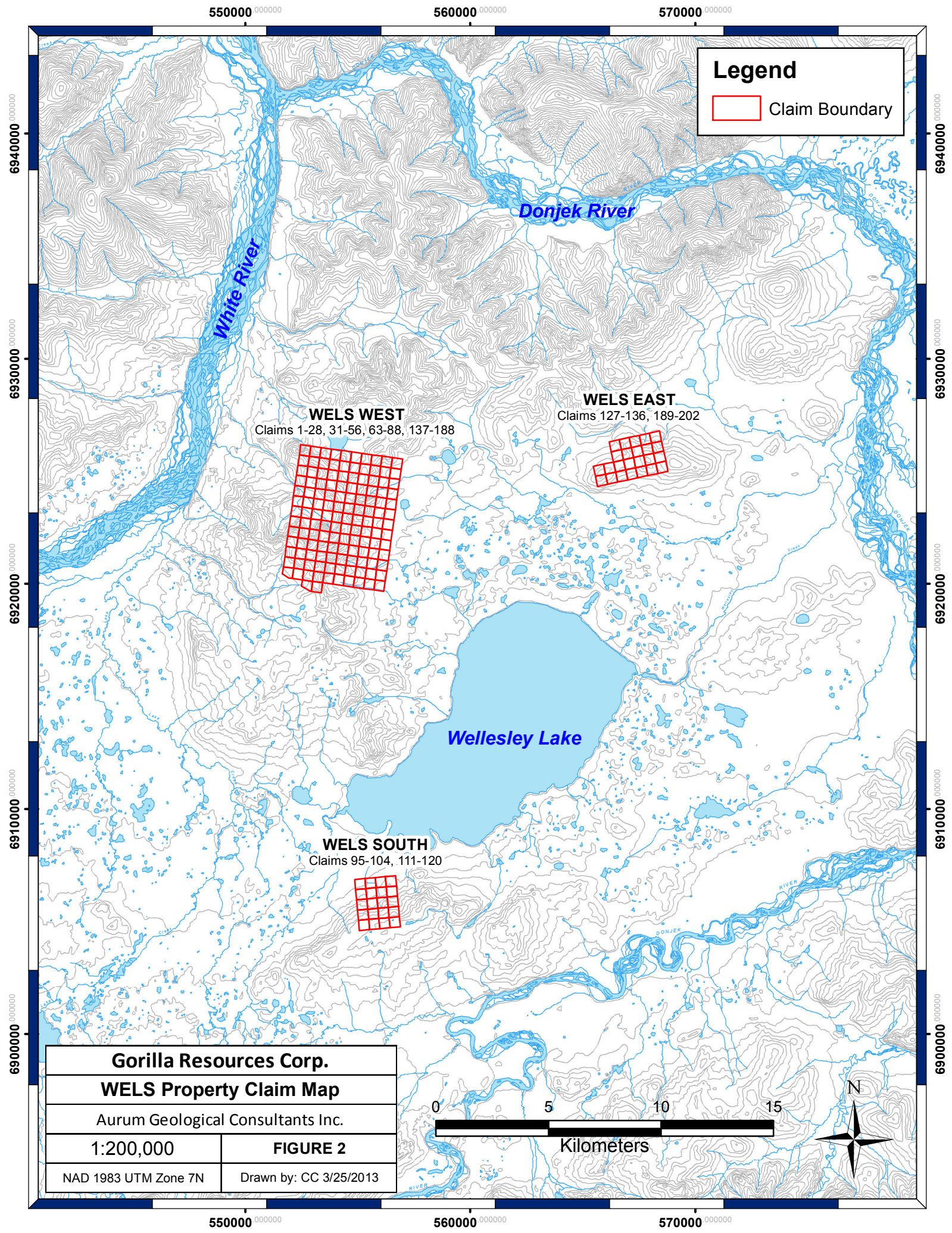
The Wels Project consists of three separate quartz claim groups totaling 176 claims, the Wels East (24 claims), Wels West (132 claims), and Wels South (20 claims) and collectively cover an area of 3 675 hectares (Figure 2). The largest block is the Wels West at 132 claims is the focus of this report. A short field visit to the Wels East block was also completed on July 16 by Robert Stroshein. The first claims were staked March 23 -25, 2011 and recorded on March 29, 2011, in accordance with the Yukon Quartz Mining Act and are located in the Whitehorse Mining District. They are shown on claim sheet 115J/05 and are available for viewing at the Whitehorse Mining Recorders Office or can be viewed on-line at Yukon Mining Recorders web site. The claims listed in Table 1 show ownership and expiry date. They are registered (100%) in the names of Roger Hulstein or Gorilla Resources Corp. The claims are subject to an option agreement between Gorilla Resources Corp the original claims are owned 50/50 by Roger Hulstein and Farrell Andersen under a separate private agreement. Just recently (Jan 31-Feb 3) an adjoining group of 93 claims were staked and recorded on February 8, 2013 listing Shawn Ryan as 100% owner. The claims extend east from the northern side of the Wels West claim block to the Donjek River; covering areas of similar stratigraphy.

Table 1. List of Claims Data

Claim Name	Grant #	# of claims	Registered Owner	Expiry date *
WELS 01-28	YE41635-YE41662	28	Roger Hulstein 100%	3/29/2018
WELS 31-56	YE41665-YE41690	26	Roger Hulstein 100%	3/29/2018
WELS 63-88	YE41697-YE41772	26	Roger Hulstein 100%	3/29/2018
WELS 95-104	YD73805-YD73814	10	Roger Hulstein 100%	3/29/2018
WELS 111-120	YD73821-YD73830	10	Roger Hulstein 100%	3/29/2018
WELS 127-136	YD73837-YD73846	10	Roger Hulstein 100%	3/29/2014
WELS 137-188	YF35016-YF35067	52	Gorilla Resources Corp 100%	3/29/2014
WELS 189-201	YF35068-YF35080	13	Gorilla Resources Corp 100%	3/29/2014
WELS 202	YD88031	1	Gorilla Resources Corp 100%	3/29/2014
Total Claims		176		* mo/dd/yyyy

The Wels West claims include Wels 1-88 and Wels 137-188 claims. The Wels East include Wels 127-136 and the Wels 189-202 CLAIMS AND Wels South include Wels 95-104 and 111-120 claims. Work was undertaken on the Wels West and Wels East claim blocks in 2012.

The exploration programs conducted on the claims in 2011 was filed to renew the claim expiry for an additional five years. Additional assessment work credits can be applied based on the 2012 exploration work and must be filed by March 29, 2013.



Legend

 Claim Boundary

WELS WEST
Claims 1-28, 31-56, 63-88, 137-188

WELS EAST
Claims 127-136, 189-202

WELS SOUTH
Claims 95-104, 111-120

Gorilla Resources Corp.

WELS Property Claim Map

Aurum Geological Consultants Inc.

1:200,000

FIGURE 2

NAD 1983 UTM Zone 7N

Drawn by: CC 3/25/2013



4.0 TOPOGRAPHY, VEGETATION AND CLIMATE

This area of the Yukon straddles the glaciated and un-glaciated region in West-Central Yukon. Topography in the region is generally subdued in the immediate area of Wellesley Lake. Northwest of Wellesley Lake a low un-glaciated topographic ridge extends in a NW-SE direction across the WELS West claim block. The pre-Ried and McConnell glacial limits are located between the Wels West Claims and Wellesley Lake (Lipovsky and Bond, 2013). Alluvium in the valleys is a combination of regional glacial till, locally derived till and locally derived colluvium and alluvium at higher elevations. Elevation ranges from 575 metres above sea level (asl) at Wellesley Lake to 1040 metres asl on the ridge covered by the Wels West claim block. Permafrost is a consideration for soil sampling and trenching, especially on north facing slopes.

Rock outcrop in the area is restricted to ridges, small cliffs and possibly creek bottoms. Hill slopes are covered with vegetation and can be generally described as thick. The Wels East and West properties are in an old (>10 years) forest fire burn area.

Climate is characterized by low precipitation and a wide temperature range. Winters are cold and temperatures of -30°C to -45°C are common. The lowest temperature ever recorded in Canada (-62.8°C) was recorded at Snag on February 3, 1947. Snag is located approximately 20 km west of the Wels West claim block. Summers are moderately cool with daily highs of 10°C to 25°C . Thunder showers are a common occurrence. Smoke from forest fires can be thick at certain times. The seasonal window for exploration is from June to mid-September.

5.0 HISTORY

Prior to 2002 there is no recorded exploration in the project area. There are mineral occurrences in the general area that were staked in 1970 probably over mag highs as possible targets for Ni-Cu mineralization hosted in the mafic rocks of Slide Mountain terrane, but no assessment reports other information is available, (Yukon Minfile).

In 2002 the YGS conducted a mineral resource study in the Wellesley Lake area over a Special management area (SMA) proposed by the White River First Nation. The work program conducted by Yukon Geological Survey consisted of a single day site visit by a four person geological team (Stroshein and Hulstein, 2006). Traverses by the team covered a regional high – low magnetic anomaly and investigated geology on ridge tops (i.e. Wels West) supplemented by stream, rock and soil geochemistry.

The YGS mineral assessment crew collected 8 rock samples, 10 stream sediment samples and 32 soil samples in 2002, (Stroshein and Hulstein, 2006). A total of 21 soil samples were collected from the central ridge on the WELS West property. Of these three samples (including an analytical duplicate) returned between 33.5 and 56.7 ppb gold. Seven samples returned between 65.3 – 210.3 ppm arsenic and five samples contained 5 – 41.9 ppm antimony. Soil sampling in 2002 noted that most float consisted of quartzite, siltstone, chert, and 'brown weathered intrusive' at two stations. Both of these samples are highly anomalous in arsenic and one sample contained 56.7 ppb Au and 12.5 ppm Sb implying a strong correlation between the intrusive and anomalous gold-arsenic-antimony.

A poor quality stream sediment sample from a drainage on the east side of the ridge with the anomalous soil samples contained 12.4 ppb gold, 14.6 ppm arsenic and 1.6 ppm antimony; the second highest gold value and the highest arsenic and antimony value from the ten samples collected in 2002.

The Geological Survey of Canada has flown a regional (1/2 mile line spacing) aeromagnetic survey over the area. Results show a dominant arcuate northeasterly trending mag high. Canil and Johnston (2003) interpret this arcuate aeromagnetic high (Figure 4) that trends through the Wels West and South property as an ophiolite belt (now considered Slide Mountain Terrane).

Variations in the magnetic intensity are likely due to lithology as the aeromagnetic survey results are too coarse to help with exploration targeting on the property

Hulstein and Andersen staked the 110 WELS claims in three claim blocks.

In 2010 a small claim group (18 claims) was staked to the NE of the WELS West property. In early March 2011 an additional 200+ claims were staked around the small claim block. These claims cover the same north to northeast trending regional aeromagnetic high – low boundary covered by the Wels West and Wels South properties.

The 2011 exploration program included grid soil sampling on the Wels East and Wels West and Wels South claim blocks. The program was designed to follow up on the anomalous rock, stream sediment and soil geochemistry results obtained by the YGS in 2002. Wide spaced grid soil sampling was designed to cover each property. Prospecting was carried out in conjunction with the soil sampling on the grid lines. The work was carried out of helicopter supported fly camps. A significant gold anomaly was outlined on the Wels west grid. Four consecutive samples over a topographic high, returned 42.5, 291, 1425, and 3082 ppb Au in soils. Samples were collected from yellow-brown sandy soil at approximately 40 cm depth. A number of other scattered anomalous clusters are located north and south of the main anomaly. Sampling in 2011 on the Wels East (42 Soils) did not return any significant gold values.

6.0 REGIONAL GEOLOGY

The WELS West property covers an area underlain by Slide Mountain Terrane (SMT) Ophiolite and rocks of the Yukon Tannana and displaced North American terrane represented by elwyn basin stratigraphy. The area has previously been called the Windy-McKinnely terrane which included the Harzburgite Peak – Eikland Mountain Ophiolite (now considered Slide Mountain terrane) which is an assemblage of early early Paleozoic – Cretaceous mélangé and gabbro with oceanic affinity (Monger, 1991). Canil and Johnston (2003) make the case that these rocks may be Permian rocks thrust over the Yukon Tanana Terrane (Figure 3). The geology is not well documented although work by Don Murphy and others are helping to unravel the geology of the area.

The WELS East and South claim blocks are underlain by Latest Cretaceous Carmacks Group volcanic rocks, a post amalgamation/accretion assemblage. The Carmacks Group is dominated by mafic volcanic tuffaceous and flow rock units with lesser felsic units.

7.0 PROPERTY GEOLOGY

The low ridge crossing the WELS West Property is underlain by sheared and foliated greenstone and related volcanic rocks. The most recently published mapping (Murphy et al. OF 2007-9 reproduced in Figure 4, does not incorporate the current reassigned Harzburgite Peak- Eikland Mountain Ophiolite **PTHeu** to Slide Mountain terrane affinity. The only mapped Ophiolite suite **PTHeu** is located along the ESE boundary of the Wels West claims. The ophiolite is overthrust on Triassic **Tgo** foliated gabbro and older **PTWr** White River Formation lithologies. These two units are folded along northeast 030-040° trending synclinal and anticlinal traces.

Wels West property is underlain by a NNE trending folded belt of Middle Triassic and older White River formation **PTWR** muscovite quartz and quartz-and feldspar-augen schist, psammatic schist and quartzite. The layered rocks are intruded (?) by medium to coarse grained, unfoliated to strongly foliated, fractured and veined, brown-green gabbro **Tgo**. To the south east of the property a panel of Harzburgite Peak – Eikland Mountain Ophiolite **PTHeu** is overthrust on the folded White River Formation and Triassic gabbro. An area of mid-Cretaceous granite is mapped approximately 4 km to the northwest. An 050° trending normal fault is mapped just southeast of the property.

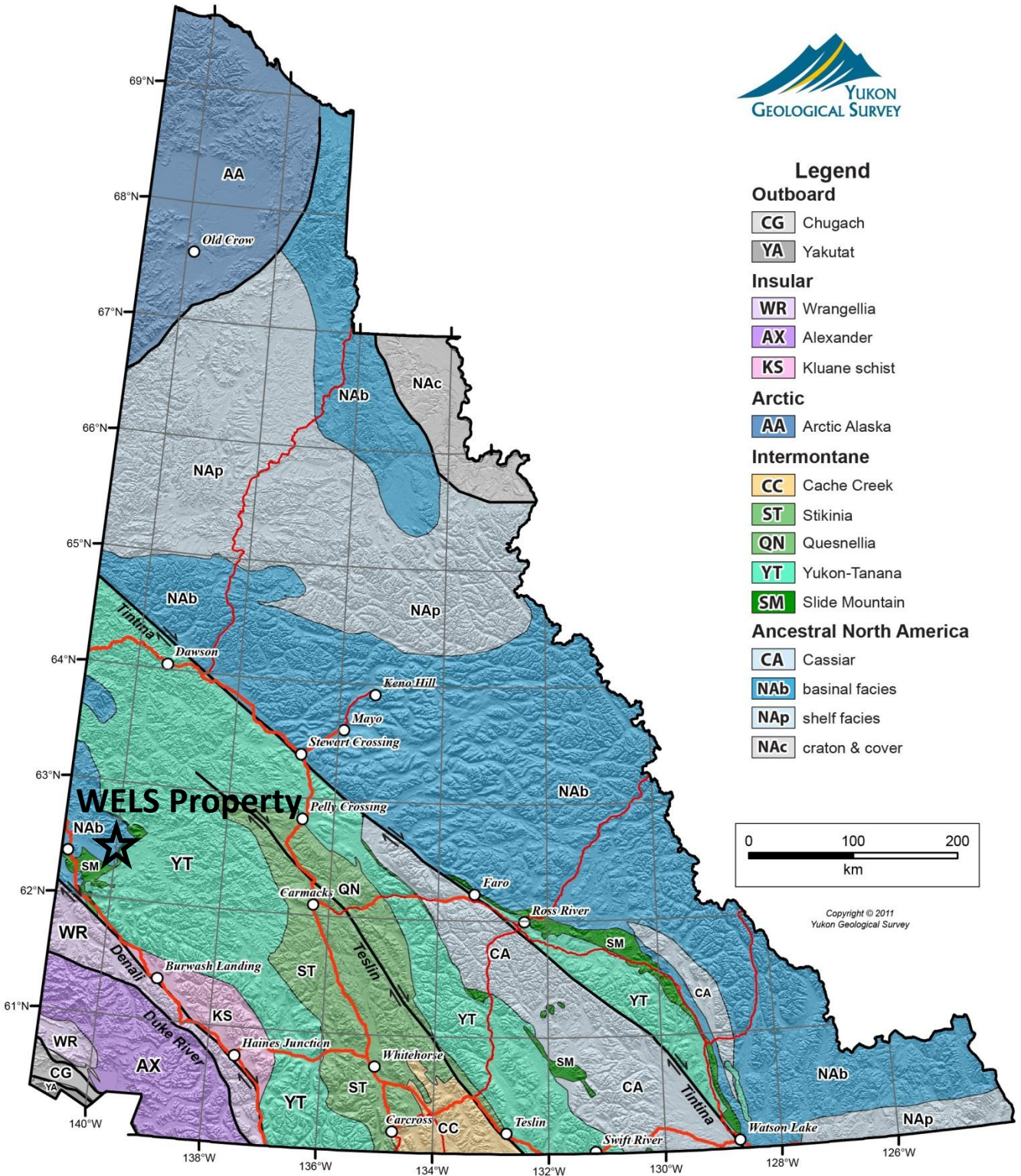
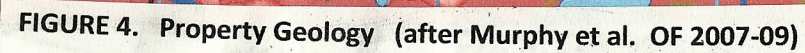


Figure 3 – Bedrock Terrane Map of Yukon

Gabbro and basalts, foliated to unfoliated



8.0 MINERALIZATION

Trench A located on the Wels West (WELS 46 YE41680, UTM Zone 7 554491E 6923122N) was excavated by hand over the highest gold soil geochemical value on the grid. The trench was approximately 1.5 m deep, about 2 m long and 40 cm wide. The trench exposed weathered regolith and bedrock. Three soil samples collected from the bottom of the pit (sample #'s 3460, 3461, 3462) returned 3740.0, 1984.5 and 5204.4 ppb Au respectively. All samples were collected at a depth of 1.5 m and the soil was described as a yellowish-orange colour.

Prior to receiving these soil results (August 24), Robert Stroshein conducted a property visit on July 16th and collected a rock sample from Trench A that returned 149.5 ppm Au, 58 ppm Ag, 8740 As, 217 Pb, 67 Sb, 280 Ba, 49 Zn, 10 Cu, 437 Mn and 2.59% Fe. The geochemical signature is very similar to the signature for soils in general on the Wels West grid. Table 2 compares the soil results from the Saddle Zone with the one rock sample collected from Trench A.

Table 2						
WELS WEST - TRENCH A Soil and Rock Results						
Sample #	UTM Zone 7		Sampler	Depth	Au ppb	Soil colour
2011 Soil	East (m)	North (m)		(cm)		
CL128	554491	6923132	CL	40	3082	Yellowish-orange
CL129	554472	6923036	CL	50	1425	Yellowish-orange
CL130	554456	6922938	CL	40	291	Yellowish-orange
2012 Soil						
3460	554491	6923122	SJ	150	3740	Yellowish-orange
3461	554491	6923122	SJ	150	1984	Yellowish-orange
3462	554491	6923122	SJ	150	5204	Yellowish-orange
2012 Rock						
K931783	554498	6923132	RS	150	1E+05	

Stroshein's rock sample K931783 description noted thin quartz veins with rusty selvage in Trench A. According to his notes *"Wels Trench A was cut through a regolith of soil and rock fragments of feldspar-quartz-mica schist/gneiss, deeply weathered. Sample was collected from bottom of trench, the sample contained relict fine stockwork stringers of quartz veins with rusty selvages."*

A quote from an email sent by Robert Stroshein to Scott Sheldon reads... *"Unfortunately, I do not have any of the sample. It was not very large to begin with. It consisted of pea size grains of highly weathered and rusty quartz fragments that I chipped out of the pit wall. The veinlet itself was approximately one centimetre thick so it took a while to get an amount enough for assay. Except for the quartz and rusty weathering it was pretty nondescript. The high-grade was really quite unexpected....."*

9.0 GEOCHEMICAL SURVEY 2012

A total of 902 soil samples were collected as infill grid samples over the 2011 grid and three soil samples out of Trench A. The sample description and UTM coordinates for each 2012 sample are listed in Appendix B. Similar tabulated sample data for 2011 is in the 2011 YMIP report

(Stroshein, 2012). The combined 2011 and 2012 soil sampling data results for Au, As, Ag, Sb, Cu and Ni are plotted for Au, Ag, As, Sb, Cu and Ni as shown in Figures 5.1-5.6.

In 2011, on the WELS West block grid lines were oriented at 017° azimuth and the spacing between lines was 200 metres. The lines are run parallel to the claim block orientation. Samples were collected at 100 metre intervals along the lines. The lines were run with hand-held GPS and compass. Samples were collected using rock hammers or mattocks and the sample sites were labeled and marked with flagging. The 2012 sampling tightened up most of the 2011 grid to 100 m x 50 m spacing.

Samples were bagged in sequentially number kraft sample bags, inventoried, packed, and delivered directly to Acme Analytical Laboratories Ltd. in Whitehorse by the contractor. Prepsred samples were forwarded to Acme Analytical Laboratories (Vancouver) Ltd. for geochemical analysis. Acme Analytical Laboratories Ltd. is an independent certified commercial assayer. The Acme Analytical Laboratories in Vancouver and Whitehorse have ISO 9001: 2008 Accreditation under Certificate Number FM 63007.

The soil samples were dried at 60 degrees centigrade, 100 grams sieved to -80 mesh and 15 grams digested by aqua regia analyzed by trace ICP-MS analysis for gold and an additional 35 elements (Acme analytical package 1DX2).

The work to date has relied upon the internal quality control procedures employed by Acme Analytical Laboratories Ltd. that includes periodic duplication of sample analysis as standard operating procedures. The Author also examined the assay certificate results to ensure consistent reported values to ensure that there are no notable outliers in the results. The soil sample results show dispersion of the elements around peak high values.

Examination of assay results for iron, manganese and aluminum to assess sample quality indicates that the soil samples are of good quality with no indication of enrichment and only two samples indicated leached material. The aluminum results indicate a weak enrichment zone most often flanking higher level gold values suggesting possible clay alteration associated with the mineralization.

Anomalous gold-in-soil samples correlate with the arsenic, antimony, silver, tungsten and weakly with bismuth and lead samples.

552000 000000

553000 000000

554000 000000

555000 000000

556000 000000

557000 000000

6926000 000000

6925000 000000

6924000 000000

6923000 000000

6922000 000000

6921000 000000

6920000 000000

6919000 000000

6926000 000000

6925000 000000

6924000 000000

6923000 000000

6922000 000000

6921000 000000

6920000 000000

6919000 000000

Legend

* Trench

○ Targets

Au (ppb)

• 0 - 20 (1083)

● 20.1 - 50 (186)

■ 50.1 - 100 (45)

■ 100.1 - 1000 (42)

■ 1000.1 - 5204.4 (5)

North Ridge

Saddle

Southwest Spur

Gorilla Resources Corp.**WELS West Soil Geochemistry - Au**

Aurum Geological Consultants Inc.

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FIGURE 5.1

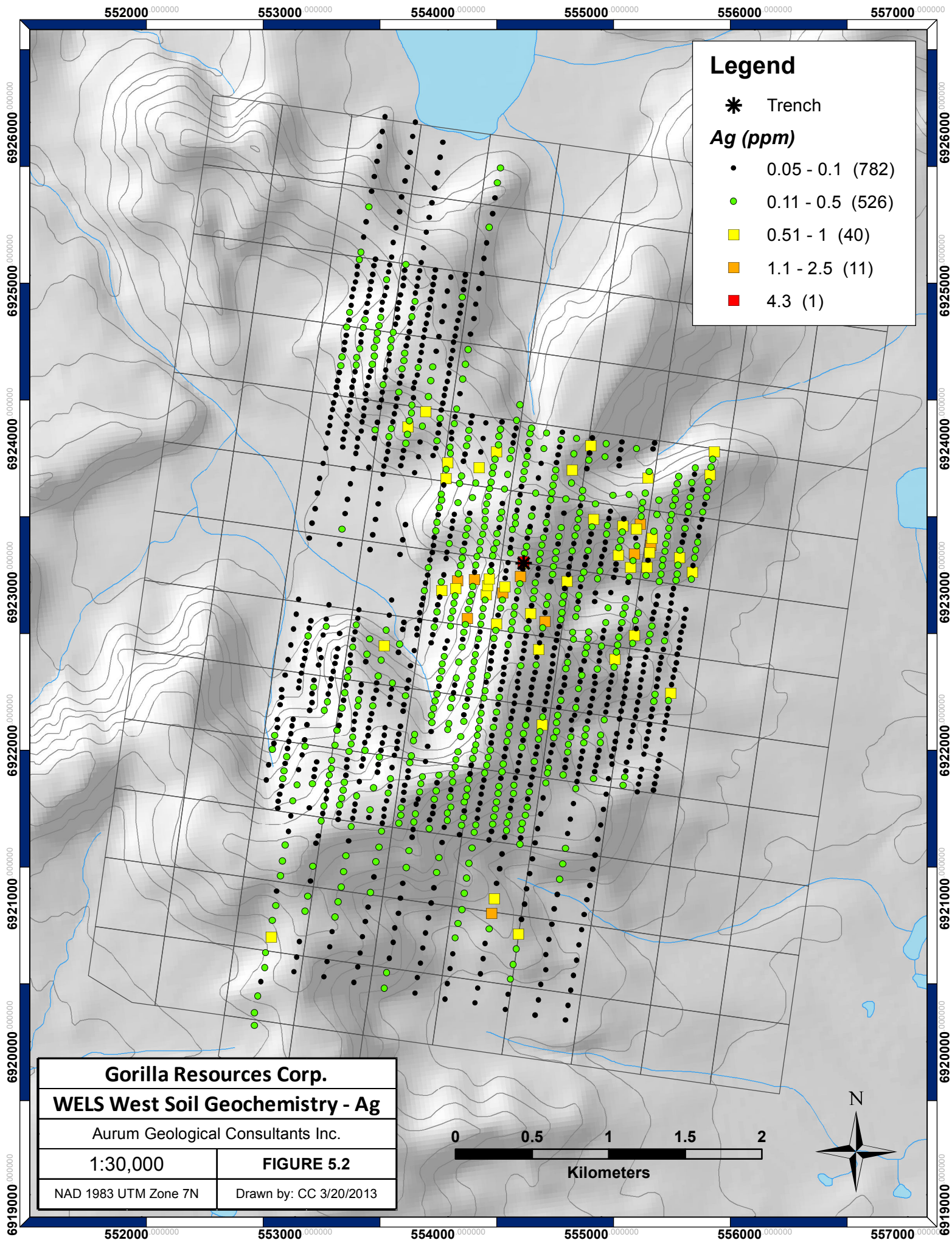
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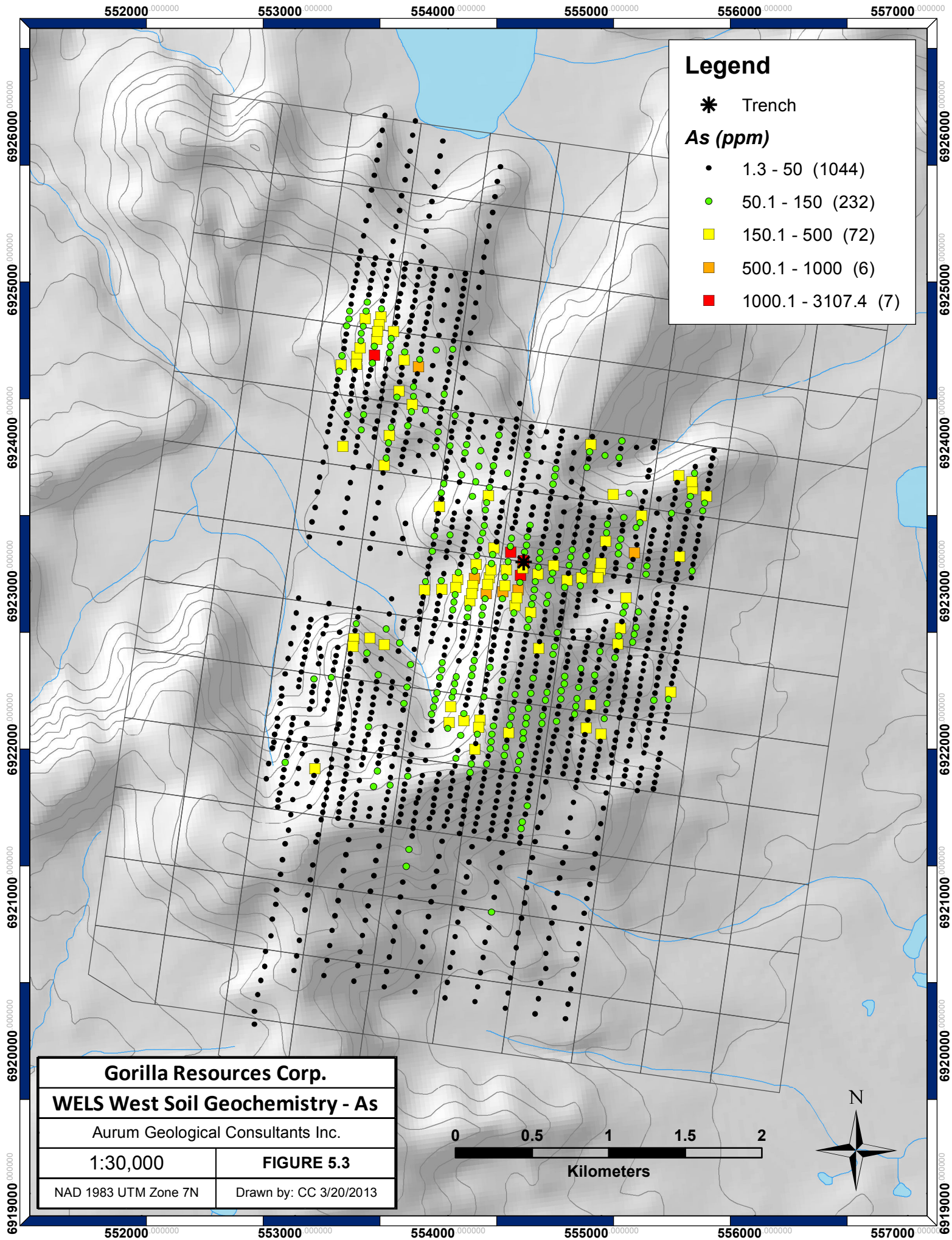
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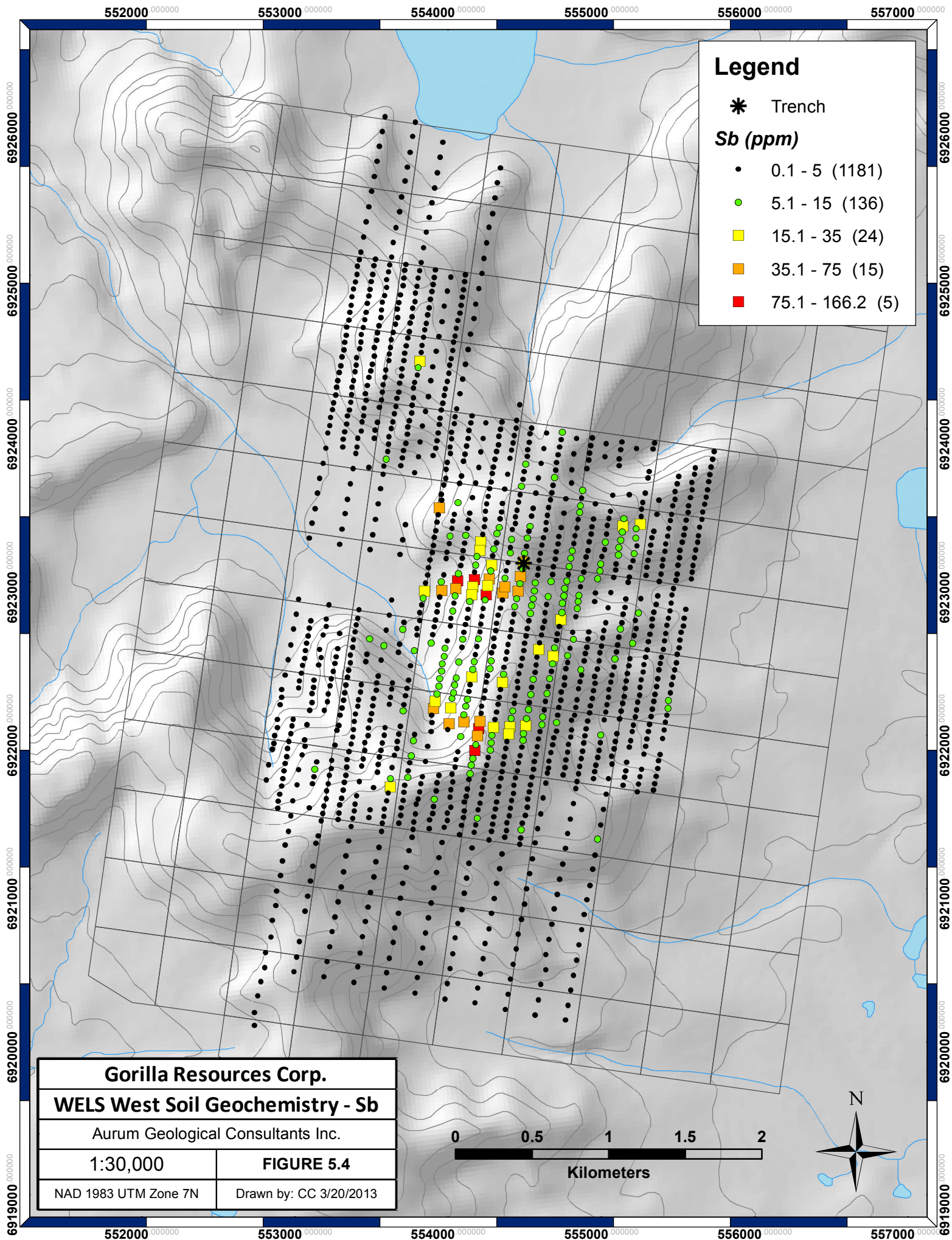
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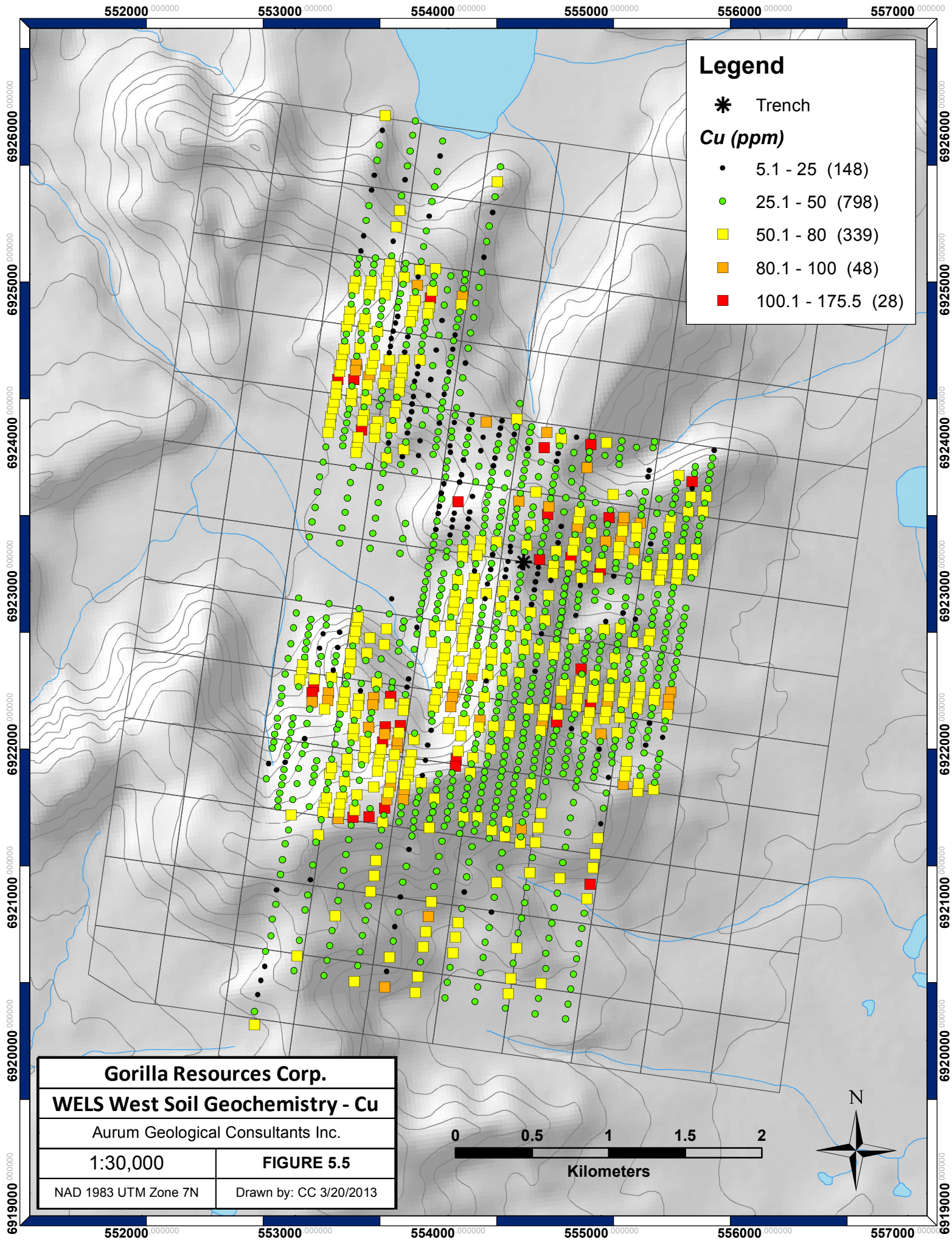
Kilometers

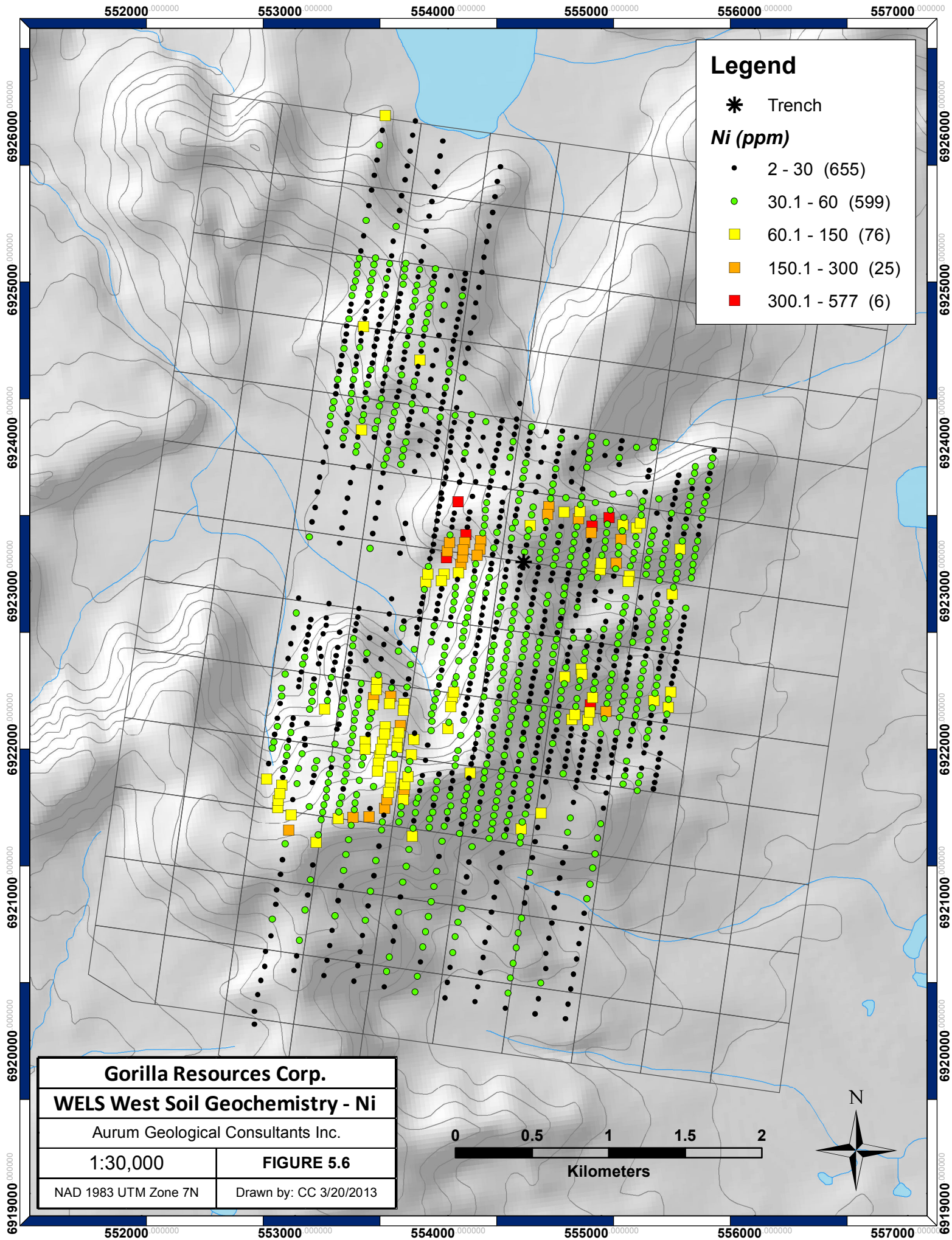












10.0 CONCLUSIONS AND RECOMMENDATIONS

The 2012 infill grid soil sampling survey on the WELS West property enhanced and further defined a strong gold in soil anomaly extending over a 1500 m by 3000 m area covered by the Wels West claim block. Most of the anomalous soils were collected across the prominent ridge system over the central portion of the claim block. Soils were all collected at elevations above 2500 feet (750 m). Although there may be some downslope dispersion of the anomalies, the unglaciated nature of the ridge precludes significant downslope movement of colluvium. The geochemical signature of metals associated with the anomalies is consistent with orogenic gold-quartz vein type mineralization and also with mineralization associated with Intrusive hosted gold systems and is consistent with the geochemical signature associated with a number of the White Gold/South Klondike district deposits and occurrences such as White Gold and Coffee Creek.

The anomalies outlined in the 2011-2012 auger soil sampling program are supported by one sample collected from a hand dug trench over the highest anomaly on the grid. This sample returned 149.5 ppm Au, 58 ppm Ag, 8740 As, 217 Pb, 67 Sb, 280 Ba, 49 Zn, 10 Cu, 437 Mn and 2.59% Fe.

This is a very strong gold in soil anomaly with one trench confirming mineralization in bedrock. Further exploration is warranted and recommended. This should include additional sampling on the Saddle trench to confirm the 2012 high grade sample. Additional trenching using a flyable Candig hoe should be considered to test all significant anomalies. Approximately 5 km of trenches should be excavated across the Saddle, SW Spur and North Ridge anomalous clusters. This sampling method has proved very effective on most properties within the White Gold district and sampling and reclamation can be completed in one season.

An airborne magnetic and radiometric survey should be flown over the Wels West claim block. An area of 4500 m by 6000 m with east west flight lines at 100 m spaced lines would be appropriate. Ground magnetic surveys could also be considered as an alternative. Detailed prospecting and geological mapping is also recommended over the main anomalous clusters. The objective of these activities is to identify structural hosts and potential diamond drill targets.

If possible, available rejects from the soil sampling program should be screened and examined to better define probable lithologies.

Claim posts should be located wher possible on the ground while other exploration work is ongoing.

A rigorous QA/QC protocol should be established with field inserted blind duplicates, blanks and standards included in every assay shipment batch.

11.0 REFERENCES

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- Stroshein, R.W. 2012: Assessment Report titled “2011 Exploration Geochemical Survey on the Wels Project” dated March 8, 2012
- Stroshein, R. and Hulstein, R. 2006: Report on the Detailed Mineral Assessment of the Proposed Wellesley Lake Special Management Area, Yukon. Yukon Geological Survey, Open File 2006-11.
- Stroshein, R.W. 2011: NI 43-101 Technical Report titled “Geology, Geochemistry and Geophysics Report on the Wels Property, Yukon, Canada” (the “Technical Report” dated July 5, 2011.
- Stroshein, R.W. 2012: NI 43-101 Technical Report titled “Geology and Exploration on the WELS WEST Property, Whitehorse Mining District, Yukon prepared for Gorilla Resources Corp. Dated June 11, 2012
- Yukon MINFILE – Mineral Occurrence Map: 115 J & 115 K (eastern side) – Snag and Stevenson Ridge (1:250 000 scale), Version 2004-0. Yukon Geological Survey, Energy Mines and Resources, Government of Yukon, 2003.

12.0 STATEMENT OF QUALIFICATIONS

12. CERTIFICATE

**To Accompany the Report titled
"2012 Exploration Report on the Wels Project"
Whitehorse Mining District, Yukon Territory
for Gorilla Resources Corp dated February 26, 2013**

I, R. Allan Doherty, hereby certify that:

1. I reside at 106A Granite Road , Whitehorse, Yukon, Y1A 2V9.
2. I am a graduate of the University of New Brunswick, with a B.Sc. Degree in Geology (Honours, 1977). I have been involved in geological mapping and mineral exploration primarily in the Yukon continuously since 1980.
3. I am a member in good standing of the Association of Professional Engineers and Geoscientists of the Province of British Columbia, Registration No. 20564, and have been registered as a Professional Geologist since 1993.
4. I am the owner of Aurum Geological Consultants Inc, a firm of consulting geologists and which has been authorized to practice professional geology by The Association of Professional Engineers and Geoscientists of British Columbia.
5. I am a "Qualified Person" as defined in Sec 1.2 of National Instrument 43-101.
6. I am independent of the Issuer, and I am the author of this report on the WELS Property, The report is based on field data collected by Allinexploration Services, prior work data and reports from R.W. Stroshein and R. Hulstein.
7. I am not aware of any material fact or material change with respect to the subject matter of this technical report, which is not reflected in the technical report; where such omission to disclose makes the technical report misleading.
8. I have not had direct involvement with the exploration programs conducted on the areas discussed in this report. Instead I have relied on work completed by the late Robert Stroschien P.Eng. who supervised the 2011 and 2012 field work for Gorilla Resources Corp.
9. Neither I, nor any affiliated entity of mine, is at present, under an agreement, arrangement or understanding or expects to become, an insider, associate, affiliated entity or

employee of the current claim owners Mr. Roger Hulstein and Mr Farrell Anderson or Gorilla Resources Corp. or any associated or affiliated entities.

10. Neither I, nor any affiliated entity of mine own, directly or indirectly, nor expect to receive, any interest in the properties or securities that may be issued by the current claim holders, or any associated or affiliated companies.
11. Neither I, nor any affiliated entity of mine, have earned the majority of our income during the preceding three years from the current Claim holders or any associated or affiliated companies.
12. I have read NI 43-101 and Form 43-101F1 and have prepared the technical report on the WELS property in compliance with NI 43-101 and Form 43-101F1; and in conformity with generally accepted Canadian mining industry practice, and as of the date of the certificate, to the best of my knowledge, information and belief, the technical report contains all scientific and technical information that is required to be disclosed to make the technical report not misleading.

R. Allan Doherty, P. Geo
February 26, 2013

APPENDIX A
STATEMENT OF EXPENDITURES

Helicopter and Air Transportation costs	\$ 38 000.
Equipment/Truck Rental costs	\$ 1 600.
Contractor – All In – sampling costs	\$ 34 400.
Salaries/wages	\$ 19 800.
Assay/analytical costs – Acme Analytical Laboratories Ltd.	\$ 20 000.
Report/Figures preparation costs	<u>\$ 4 400.</u>
TOTAL COSTS	\$118 200.

APPENDIX B
2012 SAMPLE LOCATIONS AND DESCRIPTIONS

Date	Sample	UTM Zone	Easting	Northing	Slope	Depth	Moisture	Color	Horizon
June 17th,2012	03001	07V	555236	6921628	Moderate	40cm	Dry	Chocolate Brown	B
June 17th,2012	03002	07V	555245	6921678	Moderate	50cm	Dry	Chocolate Brown	C
June 17th,2012	03003	07V	555254	6921727	Moderate	60cm	Dry	Chocolate Brown	B
June 17th,2012	03004	07V	555263	6921776	Moderate	60cm	Dry	Chocolate Brown	C
June 17th,2012	03005	07V	555271	6921825	NO SAMPLE				
June 17th,2012	03006	07V	555280	6921874	Gentle	50cm	Moist	Chocolate Brown	B
June 17th,2012	03007	07V	555289	6921924	Flat	20cm	Moist	Chocolate Brown	B
June 17th,2012	03008	07V	555298	6921973	Flat	40cm	Wet	Chocolate Brown	B
June 17th,2012	03009	07V	555307	6922022	Flat	30cm	Wet	Chocolate Brown	B
June 17th,2012	03010	07V	555316	6922071	Flat	30cm	Moist	Chocolate Brown	B
June 17th,2012	03011	07V	555324	6922121	Gentle	50cm	Wet	Chocolate Brown	B
June 17th,2012	03012	07V	555333	6922170	Gentle	60cm	Moist	Light brown	C
June 17th,2012	03013	07V	555342	6922219	Moderate	90cm	Dry	Light brown	C
June 17th,2012	03014	07V	555351	6922265	Moderate	70cm	Dry	Light brown	C
June 17th,2012	03015	07V	555360	6922317	Flat	70cm	Moist	Light brown	B
June 17th,2012	03016	07V	555369	6922367	Gentle	60cm	Moist	Chocolate Brown	B
June 17th,2012	03017	07V	555375	6922426	Gentle	70cm	Moist	Dark grey	B
June 17th,2012	03018	07V	555386	6922465	Gentle	50cm	Moist	Chocolate Brown	B
June 17th,2012	03019	07V	555395	6922508	Gentle	50cm	Wet	Chocolate Brown	B
June 17th,2012	03020	07V	555407	6922557	Gentle	60cm	Moist	Chocolate Brown	B
June 17th,2012	03021	07V	555413	6922613	Gentle	60cm	Moist	Chocolate Brown	B
June 17th,2012	03022	07V	555421	6922662	Gentle	60cm	Moist	Dark grey	C
June 17th,2012	03023	07V	555430	6922715	Gentle	60cm	Moist	Chocolate Brown	B
June 17th,2012	03024	07V	555439	6922760	Gentle	70cm	Moist	Chocolate Brown	B
June 17th,2012	03025	07V	555450	6922808	Gentle	40cm	Moist	Chocolate Brown	B
June 18th, 2012	03026	07V	554483	6922499	Gentle	60cm	Dry	Chocolate Brown	B
June 18th, 2012	03027	07V	554495	6922550	Gentle	50cm	Dry	Light brown	C
June 18th, 2012	03028	07V	554500	6922598	Gentle	60cm	Dry	Light brown	C
June 18th, 2012	03029	07V	554509	6922647	Gentle	50cm	Dry	Light brown	C
June 18th, 2012	03030	07V	554518	6922696	Gentle	70cm	Dry	Yellowish orange	C
June 18th, 2012	03031	07V	554527	6922745	Gentle	40cm	Moist	Chocolate Brown	B
June 18th, 2012	03032	07V	554537	6922795	Moderate	40cm	Dry	Chocolate Brown	B
June 18th, 2012	03033	07V	554545	6922844	Moderate	40cm	Dry	Chocolate Brown	B

Date	Sample	UTM Zone	Easting	Northing	Slope	Depth	Moisture	Color	Horizon
June 18th, 2012	03034	07V	554555	6922889	Steep	60cm	Dry	Chocolate Brown	B
June 18th, 2012	03035	07V	554562	6922938	Steep	40cm	Moist	Light brown	B
June 18th, 2012	03036	07V	554571	6922992	Moderate	30cm	Moist	Chocolate Brown	B
June 18th, 2012	03037	07V	554587	6923042	Moderate	60cm	Dry	Yellowish orange	C
June 18th, 2012	03038	07V	554590	6923087	Steep	60cm	Dry	Yellowish orange	C
June 18th, 2012	03039	07V	554597	6923139	Steep	80cm	Dry	Light brown	C
June 18th, 2012	03040	07V	554603	6923186	Steep	60cm	Dry	Light brown	C
June 18th, 2012	03041	07V	554614	6923238	Steep	50cm	Dry	Chocolate Brown	B
June 18th, 2012	03042	07V	554624	6923287	Steep	50cm	Dry	Chocolate Brown	C
June 18th, 2012	03043	07V	554640	6923338	Gentle	50cm	Dry	Light brown	C
June 18th, 2012	03044	07V	554641	6923385	Moderate	50cm	Dry	Light brown	B
June 18th, 2012	03045	07V	554649	6923433	Moderate	50cm	Dry	Chocolate Brown	C
June 18th, 2012	03046	07V	554658	6923484	Gentle	60cm	Dry	Chocolate Brown	C
June 18th, 2012	03047	07V	554677	6923582	Moderate	60cm	Dry	Light brown	C
June 18th, 2012	03048	07V	554685	6923631	Moderate	50cm	Moist	Chocolate Brown	C
June 18th, 2012	03049	07V	554694	6923681	Gentle	50cm	Dry	Chocolate Brown	C
June 18th, 2012	03050	07V	554703	6923730	Steep	70cm	Dry	Yellowish orange	C
June 18th, 2012	03051	07V	554709	6923777	Gentle	60cm	Dry	Yellowish orange	C
June 18th, 2012	03052	07V	554717	6923827	Gentle	60cm	Dry	Chocolate Brown	C
June 18th, 2012	03053	07V	554729	6923878	Gentle	60cm	Dry	Dark grey	C
June 18th, 2012	03054	07V	554747	6923976	Gentle	50cm	Dry	Light brown	C
June 19th, 2012	03055	07V	553621	6925067	Steep	40cm	Dry	Chocolate Brown	B
June 19th, 2012	03056	07V	553601	6924970	Steep	50cm	Moist	Chocolate Brown	B
June 19th, 2012	03057	07V	553587	6924868	Steep	80cm	Moist	Chocolate Brown	B
June 19th, 2012	03058	07V	553568	6924773	Steep	70cm	Wet	Chocolate Brown	B
June 19th, 2012	03059	07V	553549	6924671	Steep	50cm	Dry	Chocolate Brown	B
June 19th, 2012	03060	07V	553533	6924578	Moderate	50cm	Moist	Chocolate Brown	B
June 19th, 2012	03061	07V	553518	6924474	Moderate	40cm	Dry	Chocolate Brown	B
June 19th, 2012	03062	07V	553497	6924377	Moderate	50cm	Dry	Chocolate Brown	B
June 19th, 2012	03063	07V	553473	6924281	Moderate	60cm	Moist	Chocolate Brown	B
June 19th, 2012	03064	07V	553466	6924184	Moderate	50cm	Dry	Chocolate Brown	C
June 19th, 2012	03065	07V	553451	6924083	Steep	70cm	Dry	Chocolate Brown	C
June 19th, 2012	03066	07V	553434	6923984	Steep	60cm	Dry	Light brown	C

Date	Sample	UTM Zone	Easting	Northing	Slope	Depth	Moisture	Color	Horizon
June 19th, 2012	03067	07V	553407	6923880	Gentle	60cm	Moist	Dark grey	C
June 19th, 2012	03068	07V	553393	6923781	NO SAMPLE				
June 19th, 2012	03069	07V	553292	6923785	NO SAMPLE				
June 19th, 2012	03070	07V	553294	6923830	NO SAMPLE				
June 19th, 2012	03071	07V	553312	6923878	Flat	60cm	Moist	Chocolate Brown	B
June 19th, 2012	03072	07V	553315	6923929	Flat	50cm	Moist	Dark grey	C
June 19th, 2012	03073	07V	553326	6923978	Gentle	60cm	Moist	Light brown	C
June 19th, 2012	03074	07V	553338	6924028	Moderate	60cm	Wet	Light brown	C
June 19th, 2012	03075	07V	553343	6924081	Steep	60cm	Dry	Light brown	C
June 19th, 2012	03076	07V	553356	6924121	Steep	60cm	Moist	Chocolate Brown	B
June 19th, 2012	03077	07V	553367	6924170	Steep	60cm	Moist	Chocolate Brown	C
June 19th, 2012	03078	07V	553302	6924222	Steep	70cm	Moist	Dark grey	B
June 19th, 2012	03079	07V	553374	6924271	Steep	60cm	Moist	Dark grey	C
June 19th, 2012	03080	07V	553385	6924313	Moderate	60cm	Moist	Dark grey	B
June 19th, 2012	03081	07V	553394	6924371	Moderate	60cm	Moist	Chocolate Brown	B
June 19th, 2012	03082	07V	553401	6924416	Moderate	60cm	Moist	Dark grey	B
June 19th, 2012	03083	07V	553405	6924462	Moderate	60cm	Moist	Chocolate Brown	B
June 20th,2012	03084	07V	554112	6925003	Moderate	60cm	Moist	Chocolate Brown	B
June 20th,2012	03085	07V	554108	6924959	Gentle	70cm	Moist	Light brown	C
June 20th,2012	03086	07V	554101	6924905	Moderate	60cm	Moist	Light brown	C
June 20th,2012	03087	07V	554092	6924858	Moderate	40cm	Dry	Chocolate Brown	B
June 20th,2012	03088	07V	554085	6924803	Moderate	70cm	Moist	Dark grey	B
June 20th,2012	03089	07V	554078	6924752	Moderate	50cm	Moist	Light brown	B
June 20th,2012	03090	07V	554064	6924704	Moderate	60cm	Dry	Light brown	C
June 20th,2012	03091	07V	554055	6924654	Moderate	60cm	Wet	Light brown	C
June 20th,2012	03092	07V	554046	6924602	Moderate	60cm	Wet	Light brown	C
June 20th,2012	03093	07V	554038	6924565	Moderate	80cm	Moist	Light brown	C
June 20th,2012	03094	07V	554032	6924509	Moderate	80cm	Moist	Light brown	C
June 20th,2012	03095	07V	554021	6924455	Moderate	70cm	Dry	Light brown	C
June 20th,2012	03096	07V	554011	6924415	Gentle	60cm	Moist	Light brown	C
June 20th,2012	03097	07V	554007	6924362	Flat	50cm	Dry	Light brown	C
June 20th,2012	03098	07V	553997	6924309	Flat	60cm	Dry	Light brown	C
June 20th,2012	03099	07V	553983	6924260	Flat	50cm	Dry	Light brown	C

Date	Sample	UTM Zone	Easting	Northing	Slope	Depth	Moisture	Color	Horizon
June 20th,2012	03100	07V	553976	6924216	Gentle	60cm	Dry	Yellowish orange/lig	C
June 20th,2012	03101	07V	553966	6924165	Gentle	60cm	Dry	Light grey	C
June 20th,2012	03102	07V	553955	6924119	Gentle	50cm	Moist	Light brown	B
June 20th,2012	03103	07V	553949	6924068	Gentle	50cm	Moist	Chocolate Brown	B
June 20th,2012	03104	07V	553944	6924027	Gentle	50cm	Dry	Light brown	C
June 20th,2012	03105	07V	553936	6923970	Gentle	60cm	Moist	Chocolate Brown	B
June 20th,2012	03106	07V	553928	6923920	Steep	50cm	Moist	Chocolate Brown	B
June 20th,2012	03107	07V	553919	6923872	Moderate	70cm	Moist	Light brown	B
June 20th,2012	03108	07V	553902	6923824	Moderate	50cm	Wet	Light brown	C
June 20th,2012	03109	07V	553891	6923773	NO SAMPLE				
June 20th,2012	03110	07V	553882	6923725	NO SAMPLE				
June 20th,2012	03111	07V	553879	6923673	NO SAMPLE				
June 23rd, 2012	03112	07V	555458	6922859	Flat	60cm	Moist	Dark grey	B
June 23rd, 2012	03113	07V	555463	6922912	Flat	50cm	Moist	Chocolate Brown	B
June 23rd, 2012	03114	07V	555473	6922956	Flat	60cm	Moist	Chocolate Brown	B
June 23rd, 2012	03115	07V	555489	6923009	Flat	50cm	Dry	Light brown	C
June 23rd, 2012	03116	07V	555496	6923051	Steep	70cm	Moist	Light grey	C
June 23rd, 2012	03117	07V	555501	6923108	Steep	40cm	Dry	Chocolate Brown	C
June 23rd, 2012	03118	07V	555510	6923157	Moderate	40cm	Dry	Light brown	C
June 23rd, 2012	03119	07V	555513	6923205	Gentle	60cm	Dry	Light brown	C
June 23rd, 2012	03120	07V	555528	6923260	Moderate	40cm	Moist	Light brown	B
June 23rd, 2012	03121	07V	555539	6923305	Moderate	60cm	Dry	Light brown	C
June 23rd, 2012	03122	07V	555545	6923348	Moderate	60cm	Moist	Light brown	C
June 23rd, 2012	03123	07V	555553	6923401	Moderate	60cm	Wet	Dark grey	C
June 23rd, 2012	03124	07V	555566	6923452	Gentle	60cm	Moist	Light brown	C
June 23rd, 2012	03125	07V	555569	6923494	Moderate	50cm	Moist	Light brown	B
June 23rd, 2012	03126	07V	555581	6923548	Steep	50cm	Dry	Light brown	C
June 23rd, 2012	03127	07V	555595	6923599	Moderate	50cm	Dry	Light brown	C
June 23rd, 2012	03128	07V	555592	6923647	Gentle	50cm	Dry	Light brown	C
June 23rd, 2012	03129	07V	555609	6923700	Flat	40cm	Dry	Light brown	C
June 23rd, 2012	03130	07V	555615	6923745	Gentle	40cm	Moist	Light brown	B
June 23rd, 2012	03131	07V	555624	6923794	NO SAMPLE				
June 23rd, 2012	03132	07V	555633	6923943	NO SAMPLE				

Date	Sample	UTM Zone	Easting	Northing	Slope	Depth	Moisture	Color	Horizon
June 24th, 2012	03133	07V	555230	6923869	Moderate	60cm	Dry	Chocolate Brown	B
June 24th, 2012	03134	07V	555219	6923763	NO SAMPLE				
June 24th, 2012	03135	07V	555201	6923665	NO SAMPLE				
June 24th, 2012	03136	07V	555184	6923568	Moderate	50cm	Moist	Chocolate Brown	C
June 24th, 2012	03137	07V	555159	6925472	Flat	50cm	Dry	Light brown	C
June 24th, 2012	03138	07V	555140	6923365	Moderate	90cm	Dry	Light brown	C
June 24th, 2012	03139	07V	555126	6923272	Moderate	80cm	Dry	Light brown	C
June 24th, 2012	03140	07V	555111	6923174	Flat	90cm	Moist	Dark grey	B
June 24th, 2012	03141	07V	555094	6923075	Moderate	60cm	Moist	Dark grey	B
June 24th, 2012	03142	07V	555075	6922976	NO SAMPLE				
June 24th, 2012	03143	07V	555056	6922879	NO SAMPLE				
June 24th, 2012	03144	07V	555040	6922779	NO SAMPLE				
June 24th, 2012	03145	07V	555014	6923161	Flat	50cm	Dry	Light brown	B
June 24th, 2012	03146	07V	555003	6922581	Gentle	40cm	Moist	Light brown	B
June 24th, 2012	03147	07V	554987	6922484	Moderate	40cm	Moist	Light brown	B
June 24th, 2012	03148	07V	554957	6922382	Moderate	60cm	Dry	Light brown	C
June 24th, 2012	03149	07V	554949	6922289	Steep	60cm	Moist	Light brown	B
June 24th, 2012	03150	07V	554928	6922189	Gentle	90cm	Dry	Light brown	C
June 24th, 2012	03151	07V	554911	6922090	Gentle	50cm	Moist	Light brown	B
June 24th, 2012	03152	07V	554894	6921994	Steep	50cm	Moist	Chocolate Brown	B
June 24th, 2012	03153	07V	554877	6921895	Moderate	70cm	Moist	Dark grey	B
June 24th, 2012	03154	07V	554861	6921795	Steep	60cm	Moist	Dark grey	B
June 24th, 2012	03155	07V	554944	6921701	Moderate	60cm	Moist	Dark grey	B
June 24th, 2012	03156	07V	554649	6921753	Gentle	50cm	Moist	Chocolate Brown	B
June 24th, 2012	03157	07V	554682	6921936	Moderate	100cm	Moist	Chocolate Brown	B
June 24th, 2012	03158	07V	554716	6922128	Moderate	60cm	Moist	Chocolate Brown	B
June 24th, 2012	03159	07V	554758	6922326	Moderate	70cm	Moist	Light brown	C
June 24th, 2012	03160	07V	554782	6922517	Moderate	70cm	Moist	Light brown	B
June 25th, 2012	03161	07V	553711	6922736	Flat	50cm	Moist	Dark grey	C
June 25th, 2012	03162	07V	553703	6922689	Flat	50cm	Moist	Chocolate Brown	C
June 25th, 2012	03163	07V	553692	6922643	NO SAMPLE				
June 25th, 2012	03164	07V	553685	6922593	Flat	60cm	Moist	Chocolate Brown	B
June 25th, 2012	03165	07V	553675	6922539	Moderate	50cm	Moist	Chocolate Brown	B

Date	Sample	UTM Zone	Easting	Northing	Slope	Depth	Moisture	Color	Horizon
June 25th, 2012	03166	07V	553670	6922489	NO SAMPLE				
June 25th, 2012	03167	07V	553662	6922445	NO SAMPLE				
June 25th, 2012	03168	07V	553645	6922391	NO SAMPLE				
June 25th, 2012	03169	07V	553639	6922338	Steep	30cm	Moist	Chocolate Brown	B
June 25th, 2012	03170	07V	553632	6922298	Steep	20cm	Dry	Chocolate Brown	B
June 25th, 2012	03171	07V	553625	6922246	Moderate	50cm	Dry	Light brown	B
June 25th, 2012	03172	07V	553617	6922199	Moderate	50cm	Dry	Light brown	B
June 25th, 2012	03173	07V	553606	6922149	NO SAMPLE				
June 25th, 2012	03174	07V	553599	6922097	NO SAMPLE				
June 25th, 2012	03175	07V	553590	6922046	Moderate	90cm	Dry	Light brown	C
June 25th, 2012	03176	07V	553584	6921998	Gentle	60cm	Dry	Light brown	C
June 25th, 2012	03177	07V	553571	6921949	Gentle	70cm	Dry	Light brown	C
June 25th, 2012	03178	07V	553563	6921900	Gentle	60cm	Dry	Light brown	C
June 25th, 2012	03179	07V	553553	6921856	Gentle	80cm	Moist	Chocolate Brown	C
June 25th, 2012	03180	07V	553543	6921807	Moderate	60cm	Dry	Chocolate Brown	C
June 25th, 2012	03181	07V	553538	6921757	Moderate	80cm	Dry	Chocolate Brown	C
June 25th, 2012	03182	07V	553527	6921706	NO SAMPLE				
June 25th, 2012	03183	07V	553513	6921656	Moderate	40cm	Moist	Chocolate Brown	B
June 25th, 2012	03184	07V	553506	6921610	NO SAMPLE				
June 25th, 2012	03185	07V	553500	6921560	NO SAMPLE				
June 25th, 2012	03186	07V	553490	6921511	Gentle	50cm	Moist	Chocolate Brown	B
June 25th, 2012	03187	07V	553483	6921460	Gentle	60cm	Dry	Light brown	C
June 26th, 2012	03188	07V	553799	6922696	Flat	40cm	Moist	Chocolate Brown	B
June 26th, 2012	03189	07V	553790	6922595	NO SAMPLE				
June 26th, 2012	03190	07V	553765	6922503	NO SAMPLE				
June 26th, 2012	03191	07V	553749	6922407	NO SAMPLE				
June 26th, 2012	03192	07V	553732	6922303	Steep	30cm	Dry	Light brown	B
June 26th, 2012	03193	07V	553711	6922198	Steep	60cm	Moist	Light brown	B
June 26th, 2012	03194	07V	553699	6922104	NO SAMPLE				
June 26th, 2012	03195	07V	553679	6922007	Moderate	50cm	Moist	Light brown	C
June 26th, 2012	03196	07V	553665	6921913	Moderate	70cm	Dry	Light brown	C
June 26th, 2012	03197	07V	553645	6921813	NO SAMPLE				
June 26th, 2012	03198	07V	553626	6921715	Moderate	40cm	Moist	Dark grey	B

Date	Sample	UTM Zone	Easting	Northing	Slope	Depth	Moisture	Color	Horizon
June 26th, 2012	03199	07V	553609	6921619	Moderate	40cm	Moist	Light brown	B
June 26th, 2012	03200	07V	553585	6921515	Gentle	50cm	Moist	Light brown	C
June 26th, 2012	03201	07V	553571	6921425	Flat	50cm	Dry	Light brown	B
June 26th, 2012	03202	07V	553379	6921454	Moderate	70cm	Dry	Light brown	C
June 26th, 2012	03203	07V	553393	6921549	Gentle	60cm	Moist	Light brown	C
June 26th, 2012	03204	07V	553413	6921649	NO SAMPLE				
June 26th, 2012	03205	07V	553431	6921749	NO SAMPLE				
June 26th, 2012	03206	07V	553447	6921844	Moderate	60cm	Moist	Chocolate Brown	C
June 26th, 2012	03207	07V	553459	6921950	Moderate	70cm	Dry	Light brown	C
June 26th, 2012	03208	07V	553480	6922044	Gentle	50cm	Moist	Chocolate Brown	B
June 26th, 2012	03209	07V	553501	6922139	Gentle	50cm	Moist	Light brown	B
June 26th, 2012	03210	07V	553514	6922237	Gentle	50cm	Dry	Light brown	C
June 26th, 2012	03211	07V	553534	6922339	Moderate	60cm	Moist	Light brown	B
June 26th, 2012	03212	07V	553555	6922432	NO SAMPLE				
June 26th, 2012	03213	07V	553574	6922522	NO SAMPLE				
June 26th, 2012	03214	07V	553592	6922630	NO SAMPLE				
June 26th, 2012	03215	07V	553611	6922734	NO SAMPLE				
June 27th, 2012	03216	07V	554261	6922622	Steep	40cm	Dry	Light brown	B
June 27th, 2012	03217	07V	554161	6922428	Steep	40cm	Moist	Light brown	B
June 27th, 2012	03218	07V	554125	6922232	Steep	40cm	Moist	Light brown	B
June 27th, 2012	03219	07V	554089	6922031	NO SAMPLE				
June 27th, 2012	03220	07V	554053	6921838	Steep	60cm	Moist	Light brown	B
June 27th, 2012	03221	07V	554020	6921644	Moderate	40cm	Moist	Light brown	B
June 27th, 2012	03222	07V	553996	6921442	Moderate	60cm	Dry	Light brown	B
June 27th, 2012	03223	07V	553878	6921388	Moderate	60cm	Moist	Chocolate Brown	B
June 27th, 2012	03224	07V	553880	6921446	Moderate	50cm	Dry	Light brown	B
June 27th, 2012	03225	07V	553899	6921488	Moderate	60cm	Dry	Light brown	B
June 27th, 2012	03226	07V	553905	6921534	Moderate	50cm	Dry	Light brown	B
June 27th, 2012	03227	07V	553911	6921579	Moderate	30cm	Dry	Light brown	B
June 27th, 2012	03228	07V	553922	6921636	Flat	30cm	Dry	Light brown	B
June 27th, 2012	03229	07V	553929	6921688	Flat	60cm	Dry	Light brown	C
June 27th, 2012	03230	07V	553940	6921737	Moderate	40cm	Dry	Chocolate Brown	B
June 27th, 2012	03231	07V	553947	6921783	NO SAMPLE				

Date	Sample	UTM Zone	Easting	Northing	Slope	Depth	Moisture	Color	Horizon
June 27th, 2012	03232	07V	553957	6921832	NO SAMPLE				
June 27th, 2012	03233	07V	553965	6921881	NO SAMPLE				
June 27th, 2012	03234	07V	553973	6921928	NO SAMPLE				
June 27th, 2012	03235	07V	553984	6921977	NO SAMPLE				
June 27th, 2012	03236	07V	553998	6922034	Moderate	60cm	Moist	Light brown	C
June 27th, 2012	03237	07V	554006	6922076	Moderate	80cm	Moist	Chocolate Brown	B
June 27th, 2012	03238	07V	554010	6922127	NO SAMPLE				
June 27th, 2012	03239	07V	554017	6922179	Moderate	70cm	Moist	Chocolate Brown	B
June 27th, 2012	03240	07V	554028	6922238	Moderate	50cm	Dry	Chocolate Brown	B
June 27th, 2012	03241	07V	554038	6922275	Moderate	60cm	Moist	Light brown	C
June 27th, 2012	03242	07V	554044	6922326	Steep	40cm	Dry	Chocolate Brown	B
June 27th, 2012	03243	07V	554054	6922371	Moderate	50cm	Moist	Light brown	B
June 27th, 2012	03244	07V	554063	6922420	NO SAMPLE				
June 27th, 2012	03245	07V	554070	6922476	Moderate	50cm	Moist	Chocolate Brown	B
June 27th, 2012	03246	07V	554082	6922510	NO SAMPLE				
June 28th, 2012	03247	07V	554414	6922686	Moderate	50cm	Dry	Light brown	B
June 28th, 2012	03248	07V	554393	6922590	Flat	40cm	Dry	Light brown	C
June 28th, 2012	03249	07V	554378	6922494	Gentle	40cm	Dry	Light brown	B
June 28th, 2012	03250	07V	554362	6922394	Gentle	40cm	Dry	Light brown	C
June 17th, 2012	03251	07V	555142	6921671	Moderate	60cm	Wet	Chocolate brown, sr	C
June 17th, 2012	03252	07V	555152	6921723	Moderate	70cm	Wet	Light brown	C
June 17th, 2012	03253	07V	555159	6921766	Moderate	50cm	Moist	Chocolate brown	B
June 17th, 2012	03254	07V	555165	6921821	Gentle	40cm	Moist	Chocolate brown	B
June 17th, 2012	03255	07V	555179	6921875	NO SAMPLE				
June 17th, 2012	03256	07V	555184	6921920	Flat	30cm	Moist	Dark grey	B
June 17th, 2012	03257	07V	555193	6921964	Flat	80cm	Moist	Light brown/Yellowi	B
June 17th, 2012	03258	07V	555204	6922022	Flat	60cm	Moist	Light grey	B
June 17th, 2012	03259	07V	555212	6922065	Flat	30cm	Moist	Dark grey	B
June 17th, 2012	03260	07V	555223	6922118	Flat	40cm	Wet	Chocolate brown	B
June 17th, 2012	03261	07V	555230	6922163	Flat	60cm	Wet	Light brown	B
June 17th, 2012	03262	07V	555239	6922215	Gentle	30cm	Moist	Light brown	B
June 17th, 2012	03263	07V	555251	6922261	Gentle	80cm	Moist	Light brown	B
June 17th, 2012	03264	07V	555255	6922311	Gentle	70cm	Moist	Light brown	B

Date	Sample	UTM Zone	Easting	Northing	Slope	Depth	Moisture	Color	Horizon
June 17th, 2012	03265	07V	555262	6922360	Gentle	60cm	Moist	Light brown	B
June 17th, 2012	03266	07V	555274	6922410	Gentle	60cm	Moist	Light brown	B
June 17th, 2012	03267	07V	555279	6922459	Gentle	30cm	Moist	Light brown	B
June 17th, 2012	03268	07V	555290	6922612	Flat	50cm	Moist	Light brown	B
June 17th, 2012	03269	07V	555301	6922555	Gentle	90cm	Moist	Dark grey	B
June 17th, 2012	03270	07V	555308	6922609	Flat	60cm	Moist	Chocolate brown	B
June 17th, 2012	03271	07V	555318	6922656	Gentle	80cm	Moist	Chocolate brown	B
June 17th, 2012	03272	07V	555330	6922709	Gentle	70cm	Moist	Light brown	B
June 17th, 2012	03273	07V	555334	6922756	Gentle	60cm	Moist	Light brown	B
June 17th, 2012	03274	07V	555344	6922802	Flat	60cm	Moist	Light brown	B
June 17th, 2012	03275	07V	555359	6922852	Flat	70cm	Moist	Light brown	B
June 18th, 2012	03276	07V	554090	6922574	Gentle	60cm	Moist	Light brown	B
June 18th, 2012	03277	07V	554095	6922624	Gentle	70cm	Moist	Light brown	B
June 18th, 2012	03278	07V	554103	6922669	Gentle	70cm	Moist	Light brown	B
June 18th, 2012	03279	07V	554112	6922720	Flat	60cm	Moist	Chocolate brown	B
June 18th, 2012	03280	07V	554126	6922761	Gentle	40cm	Moist	Light brown	B
June 18th, 2012	03281	07V	554130	6922818	Gentle	60cm	Moist	Chocolate brown	B
June 18th, 2012	03282	07V	554140	6922869	Gentle	60cm	Moist	Light brown	B
June 18th, 2012	03283	07V	554153	6922915	Gentle	50cm	Moist	Light brown	B
June 18th, 2012	03284	07V	554161	6922968	Gentle	60cm	Moist	Light brown	B
June 18th, 2012	03285	07V	554171	6923014	Gentle	90cm	Moist	Light brown	B
June 18th, 2012	03286	07V	554175	6923063	Gentle	60cm	Moist	Light brown	B
June 18th, 2012	03287	07V	554183	6923109	Gentle	50cm	Moist	Light brown	B
June 18th, 2012	03288	07V	554189	6923164	Gentle	70cm	Moist	Dark grey	B
June 18th, 2012	03289	07V	554207	6923209	Gentle	40cm	Moist	Dark grey	B
June 18th, 2012	03290	07V	554212	6923261	Gentle	70cm	Moist	Yellowish orange	C
June 18th, 2012	03291	07V	554224	6923398	Moderate	60cm	Moist	Light brown	B
June 18th, 2012	03292	07V	554239	6923359	Gentle	50cm	Moist	Yellowish orange	C
June 18th, 2012	03293	07V	554243	6923405	Gentle	40cm	Moist	Light brown	B
June 18th, 2012	03294	07V	554246	6923459	Flat	70cm	Moist	Light brown	B
June 18th, 2012	03295	07V	554252	6923508	Gentle	30cm	Moist	Light brown	B
June 18th, 2012	03296	07V	554262	6923557	Gentle	50cm	Moist	Light brown	B
June 18th, 2012	03297	07V	554271	6923606	Gentle	60cm	Moist	Light brown	B

Date	Sample	UTM Zone	Easting	Northing	Slope	Depth	Moisture	Color	Horizon
June 18th, 2012	03298	07V	554280	6923649	Gentle	90cm	Moist	Light brown	B
June 18th, 2012	03299	07V	554289	6923706	Gentle	60cm	Moist	Light brown	B
June 18th, 2012	03300	07V	554297	6923748	Flat	40cm	Moist	Light brown	B
June 18th, 2012	03301	07V	554406	6923799	Flat	40cm	Moist	Light brown	B
June 18th, 2012	03302	07V	554317	6923851	Flat	30cm	Moist	Chocolate brown	B
June 18th, 2012	03303	07V	554329	6923895	Flat	50cm	Moist	Light brown	B
June 18th, 2012	03304	07V	554333	6923951	Flat	50cm	Moist	Yellowish orange	C
June 18th, 2012	03305	07V	554343	6923995	Flat	40cm	Moist	Yellowish orange	C
June 18th, 2012	03306	07V	554353	6924045	Flat	50cm	Moist	Yellowish orange	C
June 19th, 2012	03307	07V	553192	6923281	NO SAMPLE				
June 19th, 2012	03308	07V	553213	6923920	NO SAMPLE				
June 19th, 2012	03309	07V	553229	6924019	Gentle	50cm	Moist	Light brown	B
June 19th, 2012	03310	07V	553248	6924122	Flat	50cm	Moist	Light brown	B
June 19th, 2012	03311	07V	553268	6924220	Gentle	60cm	Moist	Light brown	B
June 19th, 2012	03312	07V	553281	6924313	Gentle	70cm	Moist	Chocolate brown	B
June 19th, 2012	03313	07V	553300	6924409	Gentle	100cm	Moist	Chocolate brown	B
June 19th, 2012	03314	07V	553320	6924515	Gentle	60cm	Moist	Light brown	B
June 19th, 2012	03315	07V	553336	6924609	Gentle	50cm	Moist	Light brown	B
June 19th, 2012	03316	07V	553354	6924706	Gentle	40cm	Moist	Chocolate brown	B
June 19th, 2012	03317	07V	553368	6924803	Gentle	50cm	Moist	Chocolate brown	B
June 19th, 2012	03318	07V	553385	6924910	Gentle	60cm	Wet	Chocolate brown	B
June 19th, 2012	03319	07V	553407	6925008	Gentle	60cm	Moist	Light brown	B
June 19th, 2012	03320	07V	553421	6925103	Gentle	50cm	Moist	Light brown	B
June 19th, 2012	03321	07V	553527	6925105	Gentle	60cm	Moist	Yellowish orange	C
June 19th, 2012	03322	07V	553515	6925062	Gentle	60cm	Moist	Light brown	C
June 19th, 2012	03323	07V	553508	6925007	Gentle	50cm	Moist	Light brown	B
June 19th, 2012	03324	07V	553498	6924959	Gentle	60cm	Wet	Chocolate brown	B
June 19th, 2012	03325	07V	553492	6924907	Gentle	80cm	Wet	Chocolate brown	B
June 19th, 2012	03326	07V	553484	6924864	Gentle	60cm	Wet	Chocolate brown	B
June 19th, 2012	03327	07V	553474	6924815	Gentle	60cm	Moist	Light brown	B
June 19th, 2012	03328	07V	553466	6924758	Moderate	70cm	Wet	Light brown	B
June 19th, 2012	03329	07V	553459	6924709	Moderate	50cm	Moist	Light brown	B
June 19th, 2012	03330	07V	553447	6924658	Moderate	60cm	Moist	Light brown	B

Date	Sample	UTM Zone	Easting	Northing	Slope	Depth	Moisture	Color	Horizon
June 19th, 2012	03331	07V	553435	6924613	Moderate	50cm	Moist	Light brown	B
June 19th, 2012	03332	07V	553432	6924564	Gentle	30cm	Moist	Light brown	B
June 19th, 2012	03333	07V	553425	6924522	Moderate	50cm	Moist	Light brown	B
June 20th, 2012	03334	07V	553899	6922653	Flat	60cm	Wet	Chocolate brown	B
June 20th, 2012	03335	07V	553911	6922705	Flat	40cm	Wet	Dark grey	B
June 20th, 2012	03336	07V	553917	6922750	Flat	40cm	Moist	Dark grey	B
June 20th, 2012	03337	07V	553927	6922804	Flat	50cm	Moist	Light brown	B
June 20th, 2012	03338	07V	553934	6922850	Flat	40cm	Wet	Dark grey	B
June 20th, 2012	03339	07V	553946	6922901	Flat	40cm	Moist	Dark grey	B
June 20th, 2012	03340	07V	553958	6922947	Flat	40cm	Moist	Dark grey	B
June 20th, 2012	03341	07V	553957	6923000	Flat	100cm	Moist	Dark grey	B
June 20th, 2012	03342	07V	553973	6923045	Flat	40cm	Moist	Dark grey	B
June 20th, 2012	03343	07V	553980	6923101	NO SAMPLE				
June 20th, 2012	03344	07V	553989	6923151	Gentle	60cm	Moist	Chocolate brown	B
June 20th, 2012	03345	07V	553994	6923194	Gentle	50cm	Moist	Chocolate brown	B
June 20th, 2012	03346	07V	554009	6923248	Gentle	90cm	Moist	Light brown	B
June 20th, 2012	03347	07V	554013	6923298	Gentle	50cm	Moist	Yellowish orange	C
June 20th, 2012	03348	07V	554026	6923347	Flat	50cm	Moist	Yellowish orange	C
June 20th, 2012	03349	07V	554031	6923395	Gentle	50cm	Moist	Yellowish orange	C
June 20th, 2012	03350	07V	554042	6923439	Gentle	40cm	Moist	Yellowish orange	C
June 20th, 2012	03351	07V	554051	6923496	NO SAMPLE				
June 20th, 2012	03352	07V	554059	6923542	NO SAMPLE				
June 20th, 2012	03353	07V	554068	6923589	NO SAMPLE				
June 20th, 2012	03354	07V	554075	6923642	Gentle	50cm	Moist	Yellowish orange	C
June 20th, 2012	03355	07V	554087	6923691	Moderate	40cm	Dry	Light brown	B
June 20th, 2012	03356	07V	554093	6923743	NO SAMPLE				
June 20th, 2012	03357	07V	554101	6923788	Gentle	30cm	Dry	Yellowish orange	C
June 20th, 2012	03358	07V	554110	6923834	Gentle	60cm	Moist	Light brown	B
June 20th, 2012	03359	07V	554120	6923886	Gentle	50cm	Moist	Light brown	B
June 20th, 2012	03360	07V	554131	6923993	Gentle	50cm	Moist	Light brown	B
June 20th, 2012	03361	07V	554137	6923987	Flat	60cm	Moist	Light brown	B
June 20th, 2012	03362	07V	554149	6924035	Flat	50cm	Moist	Yellowish orange	C
June 20th, 2012	03363	07V	554156	6924082	Flat	30cm	Moist	Light brown	B

Date	Sample	UTM Zone	Easting	Northing	Slope	Depth	Moisture	Color	Horizon
June 21st, 2012	03364	07V	554445	6924004	Gentle	60cm	Moist	Yellowish orange	C
June 21st, 2012	03365	07V	554425	6923906	Flat	70cm	Moist	Yellowish orange	C
June 21st, 2012	03366	07V	554406	6923805	Flat	50cm	Moist	Light brown	C
June 21st, 2012	03367	07V	554390	6923702	Flat	30cm	Moist	Yellowish orange	C
June 21st, 2012	03368	07V	554369	6923605	Flat	60cm	Moist	Light brown	B
June 21st, 2012	03369	07V	554355	6923510	Gentle	50cm	Moist	Yellowish orange	C
June 21st, 2012	03370	07V	554340	6923410	Gentle	40cm	Moist	Yellowish orange	C
June 21st, 2012	03371	07V	554318	6923315	Gentle	90cm	Moist	Light brown	B
June 21st, 2012	03372	07V	554300	6923213	Moderate	80cm	Moist	Light brown	C
June 21st, 2012	03373	07V	554284	6923112	Gentle	60cm	Moist	Light brown	C
June 21st, 2012	03374	07V	554267	6923020	Gentle	50cm	Moist	Light brown	B
June 21st, 2012	03375	07V	554249	6922919	Moderate	30cm	Moist	Light brown	B
June 21st, 2012	03376	07V	554231	6922824	Moderate	40cm	Moist	Yellowish orange	C
June 21st, 2012	03377	07V	554431	6922789	Gentle	50cm	Moist	Light brown	B
June 21st, 2012	03378	07V	554448	6922888	Flat	70cm	Moist	Yellowish orange	C
June 21st, 2012	03379	07V	554470	6922986	Flat	90cm	Moist	Light brown	C
June 21st, 2012	03380	07V	554486	6923083	Flat	60cm	Moist	Yellowish orange	C
June 21st, 2012	03381	07V	554500	6923184	Gentle	60cm	Moist	Yellowish orange	C
June 21st, 2012	03382	07V	554517	6923285	Moderate	50cm	Moist	Yellowish orange	C
June 21st, 2012	03383	07V	554534	6923361	Flat	50cm	Moist	Yellowish orange	C
June 21st, 2012	03384	07V	554555	6923480	Flat	50cm	Moist	Yellowish orange	C
June 21st, 2012	03385	07V	554574	6923579	Flat	50cm	Moist	Yellowish orange	C
June 21st, 2012	03386	07V	554592	6923677	Flat	50cm	Moist	Yellowish orange	C
June 21st, 2012	03387	07V	554608	6923773	Gentle	50cm	Moist	Yellowish orange	C
June 21st, 2012	03388	07V	554625	6923371	Gentle	90cm	Moist	Greenish grey	C
June 21st, 2012	03389	07V	554643	6923970	Gentle	50cm	Moist	Yellowish orange	C
June 23rd, 2012	03390	07V	555369	6922908	Flat	40cm	Moist	Chocolate brown	B
June 23rd, 2012	03391	07V	555369	6922950	NO SAMPLE				
June 23rd, 2012	03392	07V	555379	6923001	Flat	80cm	Moist	Light brown	B
June 23rd, 2012	03393	07V	555391	6923051	Moderate	80cm	Moist	Light brown	B
June 23rd, 2012	03394	07V	555398	6923104	Moderate	70cm	Moist	Light grey	C
June 23rd, 2012	03395	07V	555405	6923145	Moderate	40cm	Moist	Yellowish orange	C
June 23rd, 2012	03396	07V	555417	6923199	Gentle	30cm	Moist	Yellowish orange	B

Date	Sample	UTM Zone	Easting	Northing	Slope	Depth	Moisture	Color	Horizon
June 23rd, 2012	03397	07V	555421	6923245	Gentle	60cm	Moist	Light brown	B
June 23rd, 2012	03398	07V	555434	6923297	Gentle	80cm	Moist	Light brown	B
June 23rd, 2012	03399	07V	555442	6923347	Gentle	70cm	Moist	Light brown	B
June 23rd, 2012	03400	07V	555452	6923398	Gentle	40cm	Moist	Light brown	B
June 23rd, 2012	03401	07V	555459	6923439	Gentle	60cm	Moist	Dark grey	B
June 23rd, 2012	03402	07V	555468	6923496	Gentle	70cm	Moist	Light grey	B
June 23rd, 2012	03403	07V	555482	6923539	Gentle	90cm	Moist	Light brown	B
June 23rd, 2012	03404	07V	555483	6923588	Gentle	40cm	Moist	Yellowish orange	B
June 23rd, 2012	03405	07V	555495	6923639	Flat	40cm	Moist	Yellowish orange	B
June 23rd, 2012	03406	07V	555506	6923687	Gentle	50cm	Moist	Yellowish orange	B
June 23rd, 2012	03407	07V	555516	6923741	NO SAMPLE				
June 23rd, 2012	03408	07V	555519	6923785	NO SAMPLE				
June 23rd, 2012	03409	07V	555528	6923837	NO SAMPLE				
June 23rd, 2012	03410	07V	555536	6923890	NO SAMPLE				
June 24th, 2012	03411	07V	554480	6922460	Gentle	50cm	Moist	Chocolate brown	B
June 24th, 2012	03412	07V	554539	6922263	Gentle	40cm	Moist	Yellowish orange	C
June 24th, 2012	03413	07V	554507	6922064	Flat	90cm	Moist	Light brown	C
June 24th, 2012	03414	07V	554471	6921864	Gentle	60cm	Moist	Light brown	C
June 24th, 2012	03415	07V	554432	6921672	Moderate	60cm	Moist	Yellowish orange	C
June 24th, 2012	03416	07V	554401	6921473	Gentle	60cm	Moist	Light brown	B
June 24th, 2012	03417	07V	554268	6921316	Gentle	80cm	Moist	Light grey	C
June 24th, 2012	03418	07V	554283	6921371	Moderate	80cm	Moist	Yellowish orange	C
June 24th, 2012	03419	07V	554291	6921417	Gentle	50cm	Moist	Yellowish orange	C
June 24th, 2012	03420	07V	554298	6921466	Gentle	60cm	Moist	Yellowish orange	C
June 24th, 2012	03421	07V	554310	6921515	Gentle	60cm	Moist	Light grey	C
June 24th, 2012	03422	07V	554316	6921561	Moderate	80cm	Moist	Yellowish orange	C
June 24th, 2012	03423	07V	554326	6921617	Moderate	60cm	Moist	Yellowish orange	C
June 24th, 2012	03424	07V	554332	6921663	Moderate	60cm	Moist	Yellowish orange	C
June 24th, 2012	03425	07V	554344	6921717	Gentle	60cm	Moist	Yellowish orange	C
June 24th, 2012	03426	07V	554351	6921759	Gentle	60cm	Moist	Light brown	C
June 24th, 2012	03427	07V	554359	6921810	Gentle	60cm	Moist	Chocolate brown	B
June 24th, 2012	03428	07V	554367	6921859	Gentle	60cm	Moist	Yellowish orange	C
June 24th, 2012	03429	07V	554377	6921911	Gentle	30cm	Moist	Yellowish orange	B

Date	Sample	UTM Zone	Easting	Northing	Slope	Depth	Moisture	Color	Horizon
June 24th, 2012	03430	07V	554386	6921958	Gentle	30cm	Moist	Light brown	B
June 24th, 2012	03431	07V	554395	6922010	Gentle	30cm	Moist	Light brown	B
June 24th, 2012	03432	07V	554404	6922058	Gentle	40cm	Moist	Yellowish orange	C
June 24th, 2012	03433	07V	554413	6922109	Gentle	90cm	Moist	Light brown	B
June 24th, 2012	03434	07V	554423	6922156	Gentle	40cm	Moist	Yellowish orange	C
June 24th, 2012	03435	07V	554434	6922207	Gentle	60cm	Moist	Yellowish orange	C
June 24th, 2012	03436	07V	554439	6922256	Flat	50cm	Moist	Yellowish orange	C
June 24th, 2012	03437	07V	554456	6922305	Gentle	50cm	Moist	Yellowish orange	C
June 24th, 2012	03438	07V	554454	6922348	Flat	50cm	Moist	Light brown	B
June 24th, 2012	03439	07V	554465	6922401	Flat	40cm	Moist	Yellowish orange	C
June 24th, 2012	03440	07V	554475	6922450	Flat	50cm	Moist	Yellowish orange	C
June 25th, 2012	03441	07V	553515	6922271	NO SAMPLE				
June 25th, 2012	03442	07V	553508	6922721	NO SAMPLE				
June 25th, 2012	03443	07V	553497	6922673	NO SAMPLE				
June 25th, 2012	03444	07V	553489	6922625	Moderate	60cm	Moist	Dark grey	B
June 25th, 2012	03445	07V	553481	6922573	NO SAMPLE				
June 25th, 2012	03446	07V	553470	6922528	Steep	60cm	Moist	Yellowish orange	C
June 25th, 2012	03447	07V	553463	6922479	Steep	30cm	Dry	Light brown	A
June 25th, 2012	03448	07V	553455	6922424	NO SAMPLE				
June 25th, 2012	03449	07V	553447	6922377	NO SAMPLE				
June 25th, 2012	03450	07V	553436	6922329	Flat	30cm	Dry	Yellowish orange	B
June 25th, 2012	03451	07V	553429	6922280	Flat	50cm	Moist	Yellowish orange	B
June 26th, 2012	03452	07V	553890	6922602	Flat	60cm	Moist	Light grey	B
June 26th, 2012	03453	07V	553886	6922554	NO SAMPLE				
June 26th, 2012	03454	07V	553872	6922503	NO SAMPLE				
June 26th, 2012	03455	07V	553868	6922456	NO SAMPLE				
June 26th, 2012	03456	07V	553857	6922408	NO SAMPLE				
June 26th, 2012	03457	07V	553848	6922359	NO SAMPLE				
June 26th, 2012	03458	07V	553839	6922309	NO SAMPLE				
June 26th, 2012	03459	07V	553830	6922360	NO SAMPLE				
June 27th, 2012	03460	07V	554491	6923122	Steep	150cm	Dry	Yellowish orange	C
June 27th, 2012	03461	07V	554491	6923122	Steep	150cm	Dry	Yellowish orange	C
June 27th, 2012	03462	07V	554491	6923122	Steep	150cm	Dry	Yellowish orange	C

Date	Sample	UTM Zone	Easting	Northing	Slope	Depth	Moisture	Color	Horizon
June 17th,2012	03501	07V	554949	6921705	Moderate	50cm	Dry	Chocolate brown	C
June 17th,2012	03502	07V	554964	6921803	Gentle	50cm	Moist	Chocolate brown	C
June 17th,2012	03503	07V	554988	6921899	Moderate	60cm	Dry	Light brown	C
June 17th,2012	03504	07V	554998	6921998	Gentle	60cm	Dry	Light brown/Yellowish	C
June 17th,2012	03505	07V	555020	6922098	Gentle	90cm	Moist	Dark grey with some	C
June 17th,2012	03506	07V	555037	6922197	Gentle	50cm	Moist	Light brown/Yellowish	C
June 17th,2012	03507	07V	555051	6922295	Gentle	100cm	Dry	Dark grey	C
June 17th,2012	03508	07V	555070	6922391	Gentle	50cm	Dry	Light brown	C
June 17th,2012	03509	07V	555089	6922496	Gentle	50cm	Moist	Light brown	C
June 17th,2012	03510	07V	556109	6922592	Gentle	50cm	Dry	Yellowish orange	C
June 17th,2012	03511	07V	555124	6922691	Gentle	60cm	Moist	Yellowish orange	C
June 17th,2012	03512	07V	555142	6922788	Moderate	40cm	Dry	Yellowish orange	C
June 17th,2012	03513	07V	555160	6922887	Gentle	40cm	Moist	Chocolate brown/Ye	C
June 17th,2012	03514	07V	555175	6922996	Gentle	40cm	Wet	Dark grey	B
June 17th,2012	03515	07V	555191	6923093	Gentle	90cm	Wet	Light brown	C
June 17th,2012	03516	07V	555216	6923183	Steep	40cm	Dry	Yellowish orange	C
June 17th,2012	03517	07V	555225	6923284	Steep	80cm	Dry	Light brown	C
June 17th,2012	03518	07V	555255	6923378	Flat	60cm	Dry	Yellowish orange/lig	C
June 17th,2012	03519	07V	555265	6923476	Flat	50cm	Dry	Light brown	C
June 17th,2012	03520	07V	555287	6923578	Gentle	40cm	Dry	Light grey/light brow	B
June 17th,2012	03521	07V	555304	6923677	Steep	60cm	Moist	Light brown	B
June 17th,2012	03522	07V	555319	6923772	NO SAMPLE				
June 17th,2012	03523	07V	555338	6923865	Flat	40cm	Wet	Light brown	B
June 17th,2012	03524	07V	554669	6923537	Flat	50cm	Moist	Yellowish orange	C
June 18th,2012	03525	07V	554682	6922463	Gentle	60cm	Dry	Light brown/Yellowish	C
June 18th,2012	03526	07V	554684	6922517	Gentle	50cm	Moist	Light brown/Yellowish	C
June 18th,2012	03527	07V	554469	6926561	Gentle	50cm	Moist	Light brown/Yellowish	C
June 18th,2012	03528	07V	554709	6922617	Gentle	60cm	Moist	Light brown/Yellowish	C
June 18th,2012	03529	07V	554712	6922658	Gentle	70cm	Moist	Light brown/Yellowish	C
June 18th,2012	03530	07V	554726	6922708	Steep	50cm	Dry	Light brown/Yellowish	B
June 18th,2012	03531	07V	554737	6922754	Steep	50cm	Moist	Light brown/Yellowish	C
June 18th,2012	03532	07V	554743	6922798	Moderate	60cm	Moist	Light brown/Yellowish	C
June 18th,2012	03533	07V	554747	6922860	Moderate	60cm	Moist	Light brown/Yellowish	C

Date	Sample	UTM Zone	Easting	Northing	Slope	Depth	Moisture	Color	Horizon
June 18th,2012	03534	07V	554756	6922907	Moderate	70cm	Moist	Light brown/Yellowish	C
June 18th,2012	03535	07V	554762	6922957	Gentle	70cm	Moist	Light brown/Yellowish	C
June 18th,2012	03536	07V	554777	6923004	Moderate	50cm	Moist	Light brown/Yellowish	C
June 18th,2012	03537	07V	554787	6923047	Gentle	100cm	Dry	Yellowish orange	C
June 18th,2012	03538	07V	554791	6923100	Moderate	70cm	Dry	Yellowish orange	C
June 18th,2012	03539	07V	554803	6923152	Moderate	70cm	Dry	Light brown/Yellowish	C
June 18th,2012	03540	07V	554813	6923201	Moderate	50cm	Moist	Yellowish orange	C
June 18th,2012	03541	07V	554822	6923248	Gentle	70cm	Moist	Chocolate brown	C
June 18th,2012	03542	07V	554829	6923299	Moderate	50cm	Moist	Chocolate brown	B
June 18th,2012	03543	07V	554843	6923351	Gentle	40cm	Wet	Chocolate brown	B
June 18th,2012	03544	07V	554850	6923405	Gentle	60cm	Moist	Chocolate brown	B
June 18th,2012	03545	07V	554860	6923452	Gentle	60cm	Dry	Yellowish orange	C
June 18th,2012	03546	07V	554866	6923494	Gentle	60cm	Dry	Yellowish orange	C
June 18th,2012	03547	07V	554873	6923547	Gentle	60cm	Dry	Yellowish orange	C
June 18th,2012	03548	07V	554879	6923596	Moderate	50cm	Moist	Yellowish orange	C
June 18th,2012	03549	07V	554806	6923645	Moderate	50cm	Moist	Chocolate brown	B
June 18th,2012	03550	07V	554890	6923694	NO SAMPLE				
June 18th,2012	03551	07V	554907	6923740	Moderate	50cm	Dry	Yellowish orange	B
June 18th,2012	03552	07V	554918	6923796	Moderate	50cm	Moist	Yellowish orange/light	C
June 18th,2012	03553	07V	554924	6923840	Moderate	50cm	Moist	Yellowish orange	C
June 18th,2012	03554	07V	554932	6923890	Moderate	70cm	Dry	Yellowish orange	C
June 18th,2012	03555	07V	554941	6923940	Gentle	60cm	Moist	Yellowish orange	B
June 19th,2012	03556	07V	553582	6923753	Gentle	50cm	Dry	Yellowish orange/light	C
June 19th,2012	03557	07V	553608	6923850	Gentle	70cm	Moist	Light brown	B
June 19th,2012	03558	07V	553616	6923947	Gentle	40cm	Moist	Chocolate brown	A
June 19th,2012	03559	07V	553640	6924043	Gentle	80cm	Moist	Light brown	C
June 19th,2012	03560	07V	553660	6924143	Gentle	70cm	Moist	Light grey	C
June 19th,2012	03561	07V	553680	6924237	Gentle	70cm	Dry	Yellowish orange/light	C
June 19th,2012	03562	07V	553696	6924340	Moderate	60cm	Dry	Light brown	C
June 19th,2012	03563	07V	553712	6924444	Gentle	50cm	Moist	Chocolate brown	B
June 19th,2012	03564	07V	553727	6924539	Gentle	70cm	Moist	Yellowish orange/light	C
June 19th,2012	03565	07V	553747	6924634	Gentle	70cm	Moist	Yellowish orange/light	C
June 19th,2012	03566	07V	553765	6924731	Gentle	70cm	Moist	Chocolate brown	B

Date	Sample	UTM Zone	Easting	Northing	Slope	Depth	Moisture	Color	Horizon
June 19th,2012	03567	07V	553785	6924830	Gentle	40cm	Moist	Light brown	B
June 19th,2012	03568	07V	553797	6924929	Gentle	50cm	Moist	Light brown	C
June 19th,2012	03569	07V	553817	6925029	Gentle	60cm	Moist	Light brown	C
June 19th,2012	03570	07V	553918	6925036	Gentle	50cm	Moist	Light brown	B
June 19th,2012	03571	07V	553909	6924986	Gentle	50cm	Moist	Light brown	C
June 19th,2012	03572	07V	553902	6924941	Flat	50cm	Moist	Light brown	C
June 19th,2012	03573	07V	553895	6924894	Flat	70cm	Moist	Light brown	B
June 19th,2012	03574	07V	553884	6924843	Flat	60cm	Dry	Yellowish orange	C
June 19th,2012	03575	07V	553876	6924788	Flat	40cm	Moist	Light brown	B
June 19th,2012	03576	07V	553866	6924742	Flat	70cm	Moist	Light brown	C
June 19th,2012	03577	07V	553860	6924687	Flat	60cm	Moist	Yellowish orange	C
June 19th,2012	03578	07V	553848	6924643	Flat	60cm	Moist	Light brown	C
June 19th,2012	03579	07V	553841	6924595	Flat	60cm	Moist	Light brown	C
June 19th,2012	03580	07V	553832	6924543	Flat	70cm	Moist	Light brown	B
June 19th,2012	03581	07V	553825	6924495	Flat	60cm	Moist	Yellowish orange	C
June 19th,2012	03582	07V	553816	6924444	Flat	60cm	Dry	Yellowish orange	C
June 19th,2012	03583	07V	553806	6924397	Gentle	50cm	Moist	Yellowish orange	C
June 20th, 2012	03584	07V	554048	6924076	Gentle	50cm	Moist	Yellowish orange/lig	C
June 20th, 2012	03585	07V	554024	6923976	Gentle	90cm	Moist	Light brown	C
June 20th, 2012	03586	07V	554014	6923879	Gentle	90cm	Moist	Light brown	B
June 20th, 2012	03587	07V	553996	6923780	Gentle	30cm	Moist	Chocolate brown	A
June 20th, 2012	03588	07V	553978	6923649	Gentle	60cm	Saturated	Chocolate brown	B
June 20th, 2012	03589	07V	553957	6923572	Gentle	40cm	Moist	Chocolate brown	B
June 20th, 2012	03590	07V	553942	6923486	Moderate	80cm	Dry	Yellowish orange/lig	C
June 20th, 2012	03591	07V	553928	6923389	Gentle	60cm	Moist	Light brown	C
June 20th, 2012	03592	07V	553910	6923289	Gentle	70cm	Moist	Yellowish orange/lig	C
June 20th, 2012	03593	07V	553897	6923190	Gentle	60cm	Moist	Light brown	C
June 20th, 2012	03594	07V	553871	6923090	Flat	60cm	Moist	Light brown	B
June 20th, 2012	03595	07V	553855	6922991	Flat	50cm	Wet	Chocolate brown	B
June 20th, 2012	03596	07V	553838	6922893	Flat	20cm	Wet	Chocolate brown	B
June 20th, 2012	03597	07V	553816	6922798	Flat	30cm	Saturated	Chocolate brown	B
June 20th, 2012	03598	07V	554019	6922760	Gentle	40cm	Wet	Chocolate brown	B
June 20th, 2012	03599	07V	554039	6922860	Gentle	40cm	Moist	Yellowish orange/lig	B

Date	Sample	UTM Zone	Easting	Northing	Slope	Depth	Moisture	Color	Horizon
June 20th, 2012	03600	07V	554051	6922956	Gentle	50cm	Moist	Light brown	B
June 20th, 2012	03601	07V	554068	6923053	Gentle	60cm	Moist	Yellowish orange/lig	B
June 20th, 2012	03602	07V	554094	6923155	Gentle	80cm	Moist	Dark grey	C
June 20th, 2012	03603	07V	554108	6923251	Gentle	60cm	Dry	Yellowish orange/lig	C
June 20th, 2012	03604	07V	554127	6923347	Moderate	40cm	D	Yellowish orange/lig	B
June 20th, 2012	03605	07V	554141	6923448	Flat	70cm	Dry	Yellowish orange	C
June 20th, 2012	03606	07V	554160	6923549	Moderate	50cm	Moist	Light brown	B
June 20th, 2012	03607	07V	554183	6923646	Moderate	50cm	Moist	Yellowish orange/lig	C
June 20th, 2012	03608	07V	554147	6923747	Gentle	50cm	Moist	Chocolate brown	B
June 20th, 2012	03609	07V	554215	6923847	Gentle	40cm	Dry	Chocolate brown	B
June 20th, 2012	03610	07V	554229	6923935	Flat	60cm	Dry	Yellowish orange	C
June 20th, 2012	03611	07V	554247	6924037	Flat	50cm	Dry	Yellowish orange/lig	C
June 21st, 2012	03612	07V	554750	6921740	Moderate	60cm	Moist	Chocolate brown	B
June 21st, 2012	03613	07V	554763	6921788	Moderate	60cm	Moist	Chocolate brown	B
June 21st, 2012	03614	07V	554768	6921836	Gentle	60cm	Moist	Chocolate brown	B
June 21st, 2012	03615	07V	554781	6921888	Gentle	60cm	Moist	Chocolate brown	B
June 21st, 2012	03616	07V	554787	6921937	Gentle	60cm	Moist	Chocolate brown	B
June 21st, 2012	03617	07V	554802	6921985	Gentle	60cm	Moist	Chocolate brown/Ye	B
June 21st, 2012	03618	07V	554806	6922031	Gentle	40cm	Dry	Yellowish orange/lig	B
June 21st, 2012	03619	07V	554807	6922094	Gentle	50cm	Moist	Light brown	C
June 21st, 2012	03620	07V	554826	6922128	Gentle	60cm	Moist	Light brown	C
June 21st, 2012	03621	07V	554834	6922180	Gentle	40cm	Moist	Chocolate brown	B
June 21st, 2012	03622	07V	554843	6922231	Gentle	50cm	Dry	Light brown	C
June 21st, 2012	03623	07V	554853	6922301	Gentle	50cm	Dry	Yellowish orange/lig	C
June 21st, 2012	03624	07V	554861	6922237	Gentle	60cm	Dry	Light brown	C
June 21st, 2012	03625	07V	554873	6922389	Gentle	50cm	Moist	Yellowish orange/lig	C
June 21st, 2012	03626	07V	554867	6922426	Gentle	90cm	Moist	Yellowish orange/lig	C
June 21st, 2012	03627	07V	554887	6922483	Gentle	60cm	Moist	Light brown	C
June 21st, 2012	03628	07V	554895	6922532	Gentle	60cm	Moist	Yellowish orange/lig	C
June 21st, 2012	03629	07V	554905	6922572	Flat	40cm	Moist	Chocolate brown	B
June 21st, 2012	03630	07V	554913	6922625	Gentle	60cm	Moist	Light brown	C
June 21st, 2012	03631	07V	554918	6922673	Gentle	50cm	Dry	Light brown	C
June 21st, 2012	03632	07V	554928	6922725	NO SAMPLE-PERMAFROST				

Date	Sample	UTM Zone	Easting	Northing	Slope	Depth	Moisture	Color	Horizon
June 21st, 2012	03633	07V	554940	6922773	NO SAMPLE-PERMAFROST				
June 21st, 2012	03634	07V	554952	6922820	NO SAMPLE-PERMAFROST				
June 21st, 2012	03635	07V	554957	6922871	Flat	50cm	Moist	Chocolate brown	B
June 21st, 2012	03636	07V	554962	6922927	Flat	50cm	Moist	Chocolate brown	B
June 21st, 2012	03637	07V	554970	6922972	NO SAMPLE-PERMAFROST				
June 21st, 2012	03638	07V	554978	6923019	Gentle	90cm	Dry	Yellowish orange	C
June 21st, 2012	03639	07V	554992	6923072	Gentle	70cm	Dry	Yellowish orange	C
June 21st, 2012	03640	07V	554997	6923116	Moderate	70cm	Dry	Yellowish orange	C
June 21st, 2012	03641	07V	555005	6923165	Moderate	70cm	Dry	Light grey	B
June 21st, 2012	03642	07V	555024	6923210	Gentle	60cm	Moist	Yellowish orange	B
June 21st, 2012	03643	07V	555027	6923259	Steep	60cm	Moist	Yellowish orange/lig	C
June 21st, 2012	03644	07V	555035	6923312	Steep	50cm	Dry	Yellowish orange	C
June 21st, 2012	03645	07V	555041	6923367	Steep	50cm	Dry	Yellowish orange/lig	C
June 21st, 2012	03646	07V	555050	6923414	Flat	90cm	Dry	Greenish grey	C
June 21st, 2012	03647	07V	555062	6923459	Flat	60cm	Moist	Light brown	C
June 21st, 2012	03648	07V	554064	6923516	Flat	80cm	Dry	Yellowish orange/lig	C
June 21st, 2012	03649	07V	555075	6923564	Moderate	50cm	Moist	Yellowish orange/lig	C
June 21st, 2012	03650	07V	555085	6923612	NO SAMPLE-PERMAFROST				
June 21st, 2012	03651	07V	555095	6925659	NO SAMPLE-PERMAFROST				
June 21st, 2012	03652	07V	555102	6923705	NO SAMPLE-PERMAFROST				
June 21st, 2012	03653	07V	555116	6923758	Flat	40cm	Moist	Chocolate brown	A
June 21st, 2012	03654	07V	555118	6923803	Gentle	60cm	Moist	Yellowish orange/lig	B
June 21st, 2012	03655	07V	555137	6923861	Moderate	80cm	Dry	Yellowish orange/lig	C
June 21st, 2012	03656	07V	555181	6923904	Moderate	50cm	Dry	Yellowish orange/lig	C
June 21st, 2012	03657	07V	554738	6923928	Flat	70cm	Dry	Yellowish orange	C
June 23rd, 2012	03658	07V	555341	6921640	Gentle	50cm	Moist	Light grey	C
June 23rd, 2012	03659	07V	555348	6921682	Gentle	30cm	Dry	Chocolate brown	B
June 23rd, 2012	03660	07V	555358	6921173	Gentle	60cm	Dry	Reddish brown	C
June 23rd, 2012	03661	07V	555368	6921780	Gentle	50cm	Dry	Reddish brown	C
June 23rd, 2012	03662	07V	555374	6921830	Gentle	60cm	Moist	Reddish brown	C
June 23rd, 2012	03663	07V	555383	6921871	Flat	60cm	Wet	Chocolate brown	B
June 23rd, 2012	03664	07V	555392	6921932	NO SAMPLE-PERMAFROST				
June 23rd, 2012	03665	07V	555497	6921977	Flat	40cm	Moist	Chocolate brown	B

Date	Sample	UTM Zone	Easting	Northing	Slope	Depth	Moisture	Color	Horizon
June 23rd, 2012	03666	07V	555411	6922031	Flat	40cm	Moist	Chocolate brown	B
June 23rd, 2012	03667	07V	554420	6922073	Flat	10cm	Wet	Black	A
June 23rd, 2012	03668	07V	554427	6922124	Gentle	80cm	Moist	Light brown	B
June 23rd, 2012	03669	07V	555437	6922173	Gentle	60cm	Moist	Yellowish orange/lig	C
June 23rd, 2012	03670	07V	555440	6922224	Gentle	60cm	Dry	Yellowish orange	C
June 23rd, 2012	03671	07V	555452	6922275	Flat	60cm	Dry	Yellowish orange/lig	C
June 23rd, 2012	03672	07V	555461	6922328	Gentle	70cm	Moist	Light brown	B
June 23rd, 2012	03673	07V	555368	6922370	Gentle	50cm	Moist	Chocolate brown	B
June 23rd, 2012	03674	07V	555479	6922426	Gentle	60cm	Moist	Greenish grey	C
June 23rd, 2012	03675	07V	555491	6922472	Gentle	40cm	Moist	Chocolate brown	B
June 23rd, 2012	03676	07V	555495	6922528	Flat	50cm	Moist	Light grey	B
June 23rd, 2012	03677	07V	555508	6922568	Flat	50cm	Moist	Chocolate brown	B
June 23rd, 2012	03678	07V	555514	6922618	Flat	30cm	Moist	Chocolate brown	A
June 23rd, 2012	03679	07V	555521	6922669	Flat	40cm	Moist	Chocolate brown	B
June 23rd, 2012	03680	07V	555537	6922710	Flat	20cm	Wet	Chocolate brown	A
June 23rd, 2012	03681	07V	555541	6922762	Flat	20cm	Moist	Chocolate brown	A
June 23rd, 2012	03682	07V	555551	6922819	Flat	20cm	Moist	Chocolate brown	A
June 24th, 2012	03683	07V	554494	6922555	Gentle	60cm	Dry	Yellowish orange/lig	C
June 24th, 2012	03684	07V	554556	6922363	Gentle	40cm	Dry	Light brown	B
June 24th, 2012	03685	07V	554524	6922166	Gentle	40cm	Dry	Light brown	B
June 24th, 2012	03686	07V	554490	6921965	Gentle	60cm	Moist	Yellowish orange	C
June 24th, 2012	03687	07V	554453	6921766	Gentle	50cm	Moist	Light brown	C
June 24th, 2012	03688	07V	554442	6921576	Gentle	80cm	Moist	Light brown	B
June 24th, 2012	03689	07V	554382	6921376	Gentle	50cm	Dry	Light brown	C
June 24th, 2012	03690	07V	554469	6921286	Gentle	70cm	Moist	Light brown	C
June 24th, 2012	03691	07V	554474	6921329	Gentle	90cm	Moist	Light brown/white	C
June 24th, 2012	03692	07V	554448	6921379	Gentle	90cm	Wet	Yellowish orange	C
June 24th, 2012	03693	07V	554458	6921428	Gentle	60cm	Moist	Light brown	C
June 24th, 2012	03694	07V	554504	6921476	Gentle	90cm	Moist	Light brown	C
June 24th, 2012	03695	07V	554517	6921528	Gentle	60cm	Dry	Light brown	C
June 24th, 2012	03696	07V	554519	6921582	Gentle	90cm	Moist	Light brown	C
June 24th, 2012	03697	07V	554530	6921628	Gentle	80cm	Moist	Light brown	C
June 24th, 2012	03698	07V	554538	6921673	Gentle	50cm	Dry	Light brown	C

Date	Sample	UTM Zone	Easting	Northing	Slope	Depth	Moisture	Color	Horizon
June 24th, 2012	03699	07V	554547	6921725	Gentle	70cm	Moist	Light brown	C
June 24th, 2012	03700	07V	554557	6921775	Gentle	60cm	Moist	Light brown	C
June 24th, 2012	03701	07V	554563	6921825	Gentle	80cm	Moist	Light brown	B
June 24th, 2012	03702	07V	554573	6921874	Gentle	60cm	Moist	Light brown	C
June 24th, 2012	03703	07V	554584	6921923	Moderate	80cm	Moist	Light brown	C
June 24th, 2012	03704	07V	554592	6921973	Gentle	60cm	Moist	Yellowish orange/lig	B
June 24th, 2012	03705	07V	554601	6922021	Gentle	60cm	Wet	Chocolate brown	B
June 24th, 2012	03706	07V	554613	6922067	Gentle	70cm	Moist	Light brown	B
June 24th, 2012	03707	07V	554620	6922119	Gentle	60cm	Moist	Yellowish orange/lig	C
June 24th, 2012	03708	07V	554628	6922165	Gentle	60cm	Moist	Light brown	B
June 24th, 2012	03709	07V	554636	6922220	Gentle	60cm	Moist	Light brown	C
June 24th, 2012	03710	07V	554646	6922271	Gentle	40cm	Moist	Light brown	C
June 24th, 2012	03711	07V	554654	6922317	Gentle	60cm	Moist	Light brown	C
June 24th, 2012	03712	07V	554664	6922366	Gentle	50cm	Dry	Yellowish orange/lig	C
June 24th, 2012	03713	07V	554669	6922146	Gentle	60cm	Moist	Chocolate brown/Ye	B
June 25th, 2012	03714	07V	553120	6922842	NO SAMPLE-PERMAFROST				
June 25th, 2012	03715	07V	553113	6922795	NO SAMPLE-PERMAFROST				
June 25th, 2012	03716	07V	553104	6922745	Flat	60cm	Moist	Chocolate brown	B
June 25th, 2012	03717	07V	553094	6922697	Flat	40cm	Wet	Light grey	C
June 25th, 2012	03718	07V	553088	6922646	Flat	40cm	Wet	Chocolate brown	A
June 25th, 2012	03719	07V	553076	6922599	Gentle	30cm	Wet	Chocolate brown	A
June 25th, 2012	03720	07V	553069	6922550	Gentle	40cm	Moist	Chocolate brown	B
June 25th, 2012	03721	07V	553063	6922500	Gentle	30cm	Moist	Light brown	B
June 25th, 2012	03722	07V	553050	6922453	Gentle	50cm	Moist	Chocolate brown	B
June 25th, 2012	03723	07V	553043	6922402	Gentle	40cm	Moist	Light brown	B
June 25th, 2012	03724	07V	553032	6922353	Gentle	40cm	Moist	Chocolate brown	B
June 25th, 2012	03725	07V	553025	6922305	Gentle	60cm	Wet	Light brown	B
June 25th, 2012	03726	07V	554016	6922251	NO SAMPLE-PERMAFROST				
June 25th, 2012	03727	07V	553008	6922206	NO SAMPLE-PERMAFROST				
June 25th, 2012	03728	07V	553001	6922156	NO SAMPLE-PERMAFROST				
June 25th, 2012	03729	07V	552990	6922103	Moderate	50cm	Moist	Light brown	C
June 25th, 2012	03730	07V	552982	6922059	Moderate	50cm	Moist	Light brown	B
June 25th, 2012	03731	07V	552974	6922009	Gentle	60cm	Moist	Light brown	C

Date	Sample	UTM Zone	Easting	Northing	Slope	Depth	Moisture	Color	Horizon
June 25th, 2012	03732	07V	552962	6921959	Moderate	70cm	Moist	Chocolate brown	B
June 25th, 2012	03733	07V	552952	6921912	Moderate	50cm	Moist	Light brown	B
June 25th, 2012	03734	07V	552947	6921859	Moderate	60cm	Dry	Light brown	B
June 25th, 2012	03735	07V	552937	6921813	Moderate	40cm	Moist	Chocolate brown	B
June 25th, 2012	03736	07V	552929	6921765	Gentle	40cm	Moist	Chocolate brown	B
June 25th, 2012	03737	07V	552922	6921713	Moderate	50cm	Moist	Chocolate brown	B
June 25th, 2012	03738	07V	552915	6921666	Moderate	40cm	Moist	Light brown	B
June 25th, 2012	03739	07V	552902	6921613	Moderate	60cm	Moist	Chocolate brown	B
June 25th, 2012	03740	07V	552891	6921567	Moderate	60cm	Moist	Light brown	C
June 25th, 2012	03741	07V	552889	6921522	Moderate	20cm	Moist	Chocolate brown	A
June 26th, 2012	03742	07V	553412	6922762	Gentle	30cm	Moist	Chocolate brown	B
June 26th, 2012	03743	07V	553395	6922672	Moderate	30cm	Moist	Chocolate brown	B
June 26th, 2012	03744	07V	553379	6922572	Moderate	40cm	Moist	Chocolate brown	B
June 26th, 2012	03745	07V	553364	6922472	Gentle	30cm	Dry	Yellowish orange	B
June 26th, 2012	03746	07V	553343	6922376	Gentle	20cm	Dry	Chocolate brown/Ye	B
June 26th, 2012	03747	07V	553325	6922275	Gentle	30cm	Dry	Chocolate brown/Ye	B
June 26th, 2012	03748	07V	553307	6922177	Gentle	40cm	Moist	Chocolate brown	B
June 26th, 2012	03749	07V	553287	6922061	Gentle	40cm	Moist	Light brown	B
June 26th, 2012	03750	07V	553274	6921979	NO SAMPLE-PERMAFROST				
June 17th, 2012	03751	07V	554956	6921760	Moderate	70cm	Moist	Chocolate brown	C
June 17th, 2012	03752	07V	554977	6921853	Moderate	60cm	Wet	Chocolate brown	B
June 17th, 2012	03753	07V	554994	6921951	Moderate	60cm	Moist	Light brown	B
June 17th, 2012	03754	07V	555012	6922049	NO SAMPLE				
June 17th, 2012	03755	07V	555030	6922148	Gentle	50cm	Moist	Dark grey	B
June 17th, 2012	03756	07V	555047	6922246	Moderate	80cm	Moist	Yellowish orange	C
June 17th, 2012	03757	07V	555064	6922345	Moderate	30cm	Moist	Yellowish orange	C
June 17th, 2012	03758	07V	555083	6922443	Moderate	30cm	Dry	Light brown	B
June 17th, 2012	03759	07V	555100	6922542	Gentle	30cm	Wet	Dark grey	B
June 17th, 2012	03760	07V	555115	6922639	Moderate	50cm	Dry	Yellowish orange	C
June 17th, 2012	03761	07V	555134	6922734	Moderate	60cm	Moist	Light brown	C
June 17th, 2012	03762	07V	555156	6922831	Steep	40cm	Dry	Light brown	B
June 17th, 2012	03763	07V	555169	6922932	NO SAMPLE				
June 17th, 2012	03764	07V	555184	6923030	Flat	30cm	Saturated	Chocolate brown	A

Date	Sample	UTM Zone	Easting	Northing	Slope	Depth	Moisture	Color	Horizon
June 17th, 2012	03765	07V	555209	6923137	Very steep	40cm	Moist	Greenish grey	C
June 17th, 2012	03766	07V	555234	6923233	Very steep	30cm	Dry	Light brown	B
June 17th, 2012	03767	07V	555228	6923346	Gentle	60cm	Dry	Yellowish orange	C
June 17th, 2012	03768	07V	555262	6923427	Flat	30cm	Dry	Light brown	B
June 17th, 2012	03769	07V	555271	6923519	Flat	60cm	Dry	Light brown	C
June 17th, 2012	03770	07V	555293	6923624	NO SAMPLE				
June 17th, 2012	03771	07V	555312	6923718	Steep	40cm	Moist	Light brown	B
June 17th, 2012	03772	07V	555328	6923821	NO SAMPLE				
June 17th, 2012	03773	07V	555348	6923907	Gentle	40cm	Wet	Dark grey	C
June 18th,2012	03774	07V	554283	6922537	Moderate	50cm	Moist	Light brown	C
June 18th,2012	03775	07V	554299	6922579	Moderate	30cm	Moist	Light brown	B
June 18th,2012	03776	07V	554300	6922632	Moderate	40cm	Moist	Light brown	B
June 18th,2012	03777	07V	554311	6922682	Steep	40cm	Moist	Light brown	B
June 18th,2012	03778	07V	554317	6922727	Moderate	40cm	Moist	Light brown	C
June 18th,2012	03779	07V	554326	6922780	Steep	50cm	Moist	Light brown	C
June 18th,2012	03780	07V	554341	6922828	Moderate	40cm	Moist	Light brown	C
June 18th,2012	03781	07V	554354	6922881	Moderate	40cm	Moist	Light brown	C
June 18th,2012	03782	07V	554356	6922928	Moderate	40cm	Moist	Light brown	C
June 18th,2012	03783	07V	554371	6922970	Moderate	50cm	Moist	Yellowish orange	C
June 18th,2012	03784	07V	554372	6923023	Gentle	60cm	Moist	Light brown	C
June 18th,2012	03785	07V	554379	6923072	Moderate	50cm	Moist	Chocolate brown	C
June 18th,2012	03786	07V	554393	6923124	Moderate	50cm	Moist	Light brown	C
June 18th,2012	03787	07V	554409	6923187	Steep	60cm	Moist	Yellowish orange	C
June 18th,2012	03788	07V	554407	6923223	Steep	70cm	Moist	Yellowish orange	C
June 18th,2012	03789	07V	554416	6923277	Steep	50cm	Moist	Light brown	C
June 18th,2012	03790	07V	554420	6923341	Moderate	30cm	Moist	Light brown	C
June 18th,2012	03791	07V	554442	6923380	Gentle	30cm	Moist	Light brown	B
June 18th,2012	03792	07V	554441	6923423	Gentle	30cm	Moist	Light brown	B
June 18th,2012	03793	07V	554450	6923468	Gentle	20cm	Moist	Light brown	A
June 18th,2012	03794	07V	554462	6923520	Gentle	30cm	Moist	Light brown	B
June 18th,2012	03795	07V	554471	6923570	Gentle	40cm	Moist	Light brown	C
June 18th,2012	03796	07V	554480	6923621	Gentle	30cm	Moist	Yellowish orange	B
June 18th,2012	03797	07V	554489	6923669	Gentle	30cm	Moist	Light brown	C

Date	Sample	UTM Zone	Easting	Northing	Slope	Depth	Moisture	Color	Horizon
June 18th,2012	03798	07V	554497	6923718	Gentle	50cm	Moist	Light brown	B
June 18th,2012	03799	07V	554506	6923766	Gentle	40cm	Moist	Chocolate brown	B
June 18th,2012	03800	07V	554517	6923817	Gentle	40cm	Moist	Chocolate brown	B
June 18th,2012	03801	07V	554521	6923861	Moderate	30cm	Moist	Chocolate brown	A
June 18th,2012	03802	07V	554531	6923909	Moderate	30cm	Moist	Light brown	B
June 18th,2012	03803	07V	554536	6923964	Steep	30cm	Wet	Chocolate brown	B
June 18th,2012	03804	07V	554545	6924003	Steep	40cm	Wet	Light brown	C
June 19th,2012	03805	07V	553483	6923746	Flat	40cm	Wet	Dark grey	A
June 19th,2012	03806	07V	553500	6923799	NO SAMPLE				
June 19th,2012	03807	07V	553502	6923845	NO SAMPLE				
June 19th,2012	03808	07V	553513	6923901	NO SAMPLE				
June 19th,2012	03809	07V	553520	6923936	Gentle	40cm	Moist	Light brown	B
June 19th,2012	03810	07V	553525	6923990	Moderate	50cm	Moist	Light brown	B
June 19th,2012	03811	07V	553538	6924041	Moderate	60cm	Moist	Light grey	C
June 19th,2012	03812	07V	553544	6924093	NO SAMPLE				
June 19th,2012	03813	07V	553553	6924139	Steep	40cm	Moist	Light brown	B
June 19th,2012	03814	07V	553567	6924185	Steep	40cm	Moist	Light brown	B
June 19th,2012	03815	07V	553571	6924238	Moderate	30cm	Moist	Light brown	B
June 19th,2012	03816	07V	553577	6924284	Steep	30cm	Moist	Light brown	B
June 19th,2012	03817	07V	553591	6924333	Steep	30cm	Moist	Chocolate brown	B
June 19th,2012	03818	07V	553595	6924383	Very steep	60cm	Moist	Light brown	B
June 19th,2012	03819	07V	553616	6924442	Steep	40cm	Moist	Light brown	B
June 19th,2012	03820	07V	553618	6924485	Steep	30cm	Moist	Light brown	B
June 19th,2012	03821	07V	553625	6924530	Steep	50cm	Moist	Light brown	B
June 19th,2012	03822	07V	553631	6924581	Moderate	20cm	Moist	Chocolate brown	A
June 19th,2012	03823	07V	553644	6924629	Moderate	10cm	Moist	Chocolate brown	A
June 19th,2012	03824	07V	553658	6924681	Moderate	40cm	Moist	Chocolate brown	A
June 19th,2012	03825	07V	553671	6924725	Steep	40cm	Moist	Chocolate brown	A
June 19th,2012	03826	07V	553669	6924781	Moderate	60cm	Moist	Chocolate brown	C
June 19th,2012	03827	07V	553680	6924822	Moderate	40cm	Moist	Chocolate brown	A
June 19th,2012	03828	07V	553689	6924871	Steep	40cm	Moist	Light brown	C
June 19th,2012	03829	07V	553706	6924932	Steep	40cm	Moist	Light brown	C
June 19th,2012	03830	07V	553713	6924981	Very steep	40cm	Moist	Light brown	C

Date	Sample	UTM Zone	Easting	Northing	Slope	Depth	Moisture	Color	Horizon
June 19th,2012	03831	07V	553716	6925031	Very steep	20cm	Moist	Light brown	A
June 19th,2012	03832	07V	553724	6925070	Flat	40cm	Moist	Light brown	C
June 20th,2012	03833	07V	554020	6924990	Gentle	60cm	Moist	Light brown	C
June 20th,2012	03834	07V	553997	6924897	Gentle	40cm	Moist	Light brown	C
June 20th,2012	03835	07V	553977	6924798	Gentle	60cm	Moist	Light brown	C
June 20th,2012	03836	07V	553961	6924698	Gentle	40cm	Moist	Light brown	C
June 20th,2012	03837	07V	553940	6924601	Gentle	50cm	Dry	Light brown	C
June 20th,2012	03838	07V	553922	6924503	Gentle	50cm	Dry	Light brown	C
June 20th,2012	03839	07V	553901	6924401	Flat	40cm	Dry	Light brown	B
June 20th,2012	03840	07V	553886	6924313	Gentle	30cm	Dry	Red/Orange	A
June 20th,2012	03841	07V	553872	6924208	Gentle	30cm	Dry	Light brown	B
June 20th,2012	03842	07V	553853	6924112	Moderate	40cm	Moist	Chocolate brown	B
June 20th,2012	03843	07V	553834	6924016	Moderate	40cm	Moist	Light brown	C
June 20th,2012	03844	07V	553819	6923912	Steep	20cm	Dry	Light brown	B
June 20th,2012	03845	07V	553808	6923814	Moderate	30cm	Moist	Light brown	B
June 20th,2012	03846	07V	553783	6923711	Flat	40cm	Wet	Chocolate brown	A
June 20th,2012	03847	07V	553680	6923712	NO SAMPLE				
June 20th,2012	03848	07V	553691	6923757	Gentle	50cm	Wet	Light brown	C
June 20th,2012	03849	07V	553702	6923807	Steep	20cm	Moist	Light brown	B
June 20th,2012	03850	07V	553710	6923857	Gentle	50cm	Moist	Light grey	C
June 20th,2012	03851	07V	553724	6923904	Moderate	40cm	Moist	Light brown	C
June 20th,2012	03852	07V	553734	6923962	Moderate	20cm	Moist	Light brown	A
June 20th,2012	03853	07V	553738	6924010	Moderate	40cm	Moist	Chocolate brown	B
June 20th,2012	03854	07V	553748	6924052	Moderate	30cm	Moist	Chocolate brown	C
June 20th,2012	03855	07V	553763	6924102	Moderate	40cm	Moist	Light brown	C
June 20th,2012	03856	07V	553765	6924153	Moderate	40cm	Moist	Light brown	C
June 20th,2012	03857	07V	553775	6924202	Moderate	30cm	Dry	Chocolate brown	B
June 20th,2012	03858	07V	553776	6924264	Moderate	30cm	Moist	Light brown	C
June 20th,2012	03859	07V	553783	6924300	Moderate	40cm	Moist	Light brown	C
June 20th,2012	03860	07V	553801	6924350	Moderate	20cm	Moist	Light brown	B
June 21st, 2012	03861	07V	555034	6923902	Steep	60cm	Moist	Light brown	C
June 21st, 2012	03862	07V	554014	6923792	Steep	50cm	Moist	Light brown	C
June 21st, 2012	03863	07V	555995	6923701	NO SAMPLE				

Date	Sample	UTM Zone	Easting	Northing	Slope	Depth	Moisture	Color	Horizon
June 21st, 2012	03864	07V	554981	6923613	NO SAMPLE				
June 21st, 2012	03865	07V	554963	6923508	Gentle	30cm	Moist	Light brown	B
June 21st, 2012	03866	07V	554948	6923408	Moderate	30cm	Moist	Chocolate brown	B
June 21st, 2012	03867	07V	554935	6923313	Moderate	40cm	Wet	Chocolate brown	A
June 21st, 2012	03868	07V	554914	6923203	Steep	50cm	Moist	Light brown	C
June 21st, 2012	03869	07V	554892	6923112	Steep	50cm	Moist	Light brown	C
June 21st, 2012	03870	07V	554870	6923019	Very steep	40cm	Dry	Light brown	B
June 21st, 2012	03871	07V	554854	6922910	Moderate	50cm	Moist	Chocolate brown	B
June 21st, 2012	03872	07V	554845	6922825	Moderate	40cm	Moist	Chocolate brown	C
June 21st, 2012	03873	07V	554832	6922724	NO SAMPLE				
June 21st, 2012	03874	07V	554820	6922624	Gentle	60cm	Moist	Chocolate brown	B
June 21st, 2012	03875	07V	554611	6922652	Steep	20cm	Moist	Chocolate brown	B
June 21st, 2012	03876	07V	554631	6922744	Steep	40cm	Moist	Chocolate brown	C
June 21st, 2012	03877	07V	554645	6922852	Steep	40cm	Moist	Chocolate brown	B
June 21st, 2012	03878	07V	554665	6922951	NO SAMPLE				
June 21st, 2012	03879	07V	554682	6923048	Steep	60cm	Moist	Chocolate brown	C
June 21st, 2012	03880	07V	554700	6923146	Very steep	30cm	Moist	Chocolate brown	B
June 21st, 2012	03881	07V	554717	6923245	Steep	30cm	Moist	Light brown	C
June 21st, 2012	03882	07V	554738	6923352	Steep	20cm	Moist	Light brown	A
June 21st, 2012	03883	07V	554756	6923446	Steep	40cm	Wet	Chocolate brown	B
June 23rd, 2012	03884	07V	555736	6923850	Very steep	40cm	Moist	Chocolate brown	A
June 23rd, 2012	03885	07V	555727	6923801	Moderate	40cm	Moist	Light brown	C
June 23rd, 2012	03886	07V	555717	6923748	Moderate	30cm	Moist	Light brown	C
June 23rd, 2012	03887	07V	555710	6923494	Gentle	20cm	Moist	Light brown	B
June 23rd, 2012	03888	07V	555701	6923653	Moderate	40cm	Moist	Light brown	C
June 23rd, 2012	03889	07V	555694	6923600	Moderate	80cm	Moist	Light brown	C
June 23rd, 2012	03890	07V	555686	6923552	Moderate	40cm	Moist	Light brown	C
June 23rd, 2012	03891	07V	555675	6923506	Moderate	80cm	Moist	Yellowish orange	C
June 23rd, 2012	03892	07V	555662	6923455	Moderate	40cm	Moist	Light brown	C
June 23rd, 2012	03893	07V	555657	6923407	Moderate	60cm	Moist	Dark grey	C
June 23rd, 2012	03894	07V	555643	6923355	Moderate	60cm	Wet	Dark grey	C
June 23rd, 2012	03895	07V	555635	6923300	Moderate	30cm	Wet	Dark grey	C
June 23rd, 2012	03896	07V	555631	6923260	Moderate	60cm	Wet	Chocolate brown	B

Date	Sample	UTM Zone	Easting	Northing	Slope	Depth	Moisture	Color	Horizon
June 23rd, 2012	03897	07V	555617	6923207	Steep	60cm	Wet	Light brown	C
June 23rd, 2012	03898	07V	555609	6923157	Steep	50cm	Moist	Light brown	C
June 23rd, 2012	03899	07V	555599	6923107	Moderate	60cm	Moist	Light brown	C
June 23rd, 2012	03900	07V	555595	6923063	Steep	30cm	Dry	Light brown	B
June 23rd, 2012	03901	07V	555590	6923017	Steep	40cm	Moist	Light brown	C
June 23rd, 2012	03902	07V	555578	6922964	NO SAMPLE				
June 23rd, 2012	03903	07V	555569	6922920	NO SAMPLE				
June 23rd, 2012	03904	07V	555555	6922863	NO SAMPLE				
June 24th, 2012	03905	07V	555428	6923829	NO SAMPLE				
June 24th, 2012	03906	07V	555410	6923735	NO SAMPLE				
June 24th, 2012	03907	07V	555392	6923632	NO SAMPLE				
June 24th, 2012	03908	07V	555375	6923534	Moderate	40cm	Moist	Light brown	C
June 24th, 2012	03909	07V	555364	6923440	Moderate	40cm	Moist	Light brown	C
June 24th, 2012	03910	07V	555342	6923331	Moderate	40cm	Moist	Light brown	C
June 24th, 2012	03911	07V	555322	6923238	Moderate	40cm	Moist	Light brown	C
June 24th, 2012	03912	07V	555304	6923140	Steep	40cm	Moist	Light brown	C
June 24th, 2012	03913	07V	555293	6923041	Very steep	30cm	Moist	Light brown	C
June 24th, 2012	03914	07V	555269	6922943	NO SAMPLE				
June 24th, 2012	03915	07V	555249	6922837	NO SAMPLE				
June 24th, 2012	03916	07V	555224	6922748	Gentle	30cm	Dry	Chocolate brown	C
June 24th, 2012	03917	07V	555216	6922648	Gentle	30cm	Dry	Light brown	C
June 24th, 2012	03918	07V	555198	6922549	NO SAMPLE				
June 24th, 2012	03919	07V	555180	6922451	Moderate	40cm	Dry	Light brown	C
June 24th, 2012	03920	07V	555163	6922353	Gentle	40cm	Moist	Light brown	C
June 24th, 2012	03921	07V	555151	6922251	Moderate	60cm	Moist	Light brown	C
June 24th, 2012	03922	07V	555130	6922156	Gentle	70cm	Wet	Light grey	C
June 24th, 2012	03923	07V	555106	6922064	NO SAMPLE				
June 24th, 2012	03924	07V	555092	6921959	Moderate	60cm	Wet	Chocolate brown	B
June 24th, 2012	03925	07V	555068	6921861	Moderate	50cm	Moist	Light brown	C
June 24th, 2012	03926	07V	555049	6921766	NO SAMPLE				
June 24th, 2012	03927	07V	555029	6921669	NO SAMPLE				
June 24th, 2012	03928	07V	554660	6921829	Moderate	40cm	Moist	Chocolate brown	C
June 24th, 2012	03929	07V	554709	6922024	Steep	40cm	Moist	Light brown	C

Date	Sample	UTM Zone	Easting	Northing	Slope	Depth	Moisture	Color	Horizon
June 24th, 2012	03930	07V	554735	6922226	Steep	40cm	Moist	Chocolate brown	A
June 24th, 2012	03931	07V	554769	6922433	Gentle	60cm	Moist	Light brown	C
June 25th, 2012	03932	07V	553322	6922804	NO SAMPLE				
June 25th, 2012	03933	07V	553306	6922759	NO SAMPLE				
June 25th, 2012	03934	07V	553302	6922710	NO SAMPLE				
June 25th, 2012	03935	07V	553293	6922661	Very steep	40cm	Wet	Chocolate brown	B
June 25th, 2012	03936	07V	553284	6922612	NO SAMPLE				
June 25th, 2012	03937	07V	553279	6922562	Very steep	30cm	Moist	Chocolate brown	A
June 25th, 2012	03938	07V	553270	6922510	Steep	20cm	Dry	Light brown	B
June 25th, 2012	03939	07V	553263	6922467	Steep	30cm	Moist	Light brown	C
June 25th, 2012	03940	07V	553251	6922415	Very steep	30cm	Dry	Light brown	A
June 25th, 2012	03941	07V	553240	6922366	Very steep	30cm	Moist	Light brown	B
June 25th, 2012	03942	07V	553232	6922321	Very steep	10cm	Dry	Light brown	A
June 25th, 2012	03943	07V	553218	6922267	Steep	20cm	Moist	Chocolate brown	B
June 25th, 2012	03944	07V	553214	6922218	Steep	50cm	Moist	Chocolate brown	B
June 25th, 2012	03945	07V	553194	6922161	Steep	40cm	Moist	Chocolate brown	B
June 25th, 2012	03946	07V	553200	6922122	NO SAMPLE				
June 25th, 2012	03947	07V	553187	6922070	NO SAMPLE				
June 25th, 2012	03948	07V	553178	6922021	NO SAMPLE				
June 25th, 2012	03949	07V	553170	6921972	NO SAMPLE				
June 25th, 2012	03950	07V	553152	6921923	NO SAMPLE				
June 25th, 2012	03951	07V	553152	6921873	NO SAMPLE				
June 25th, 2012	03952	07V	553143	6921824	Moderate	40cm	Moist	Chocolate brown	C
June 25th, 2012	03953	07V	553129	6921774	Moderate	30cm	Moist	Light brown	C
June 25th, 2012	03954	07V	553126	6921726	Moderate	20cm	Moist	Chocolate brown	B
June 25th, 2012	03955	07V	553116	6921682	Moderate	50cm	Moist	Chocolate brown	C
June 25th, 2012	03956	07V	553102	6921627	NO SAMPLE				
June 25th, 2012	03957	07V	553098	6921574	NO SAMPLE				
June 25th, 2012	03958	07V	553094	6921523	Moderate	40cm	Moist	Light brown	C
June 25th, 2012	03959	07V	553081	6921480	NO SAMPLE				
June 26th, 2012	03960	07V	553026	6922831	NO SAMPLE				
June 26th, 2012	03961	07V	552998	6922743	NO SAMPLE				
June 26th, 2012	03962	07V	552984	6922640	NO SAMPLE				

Date	Sample	UTM Zone	Easting	Northing	Slope	Depth	Moisture	Color	Horizon
June 26th, 2012	03963	07V	552867	6922541	NO SAMPLE				
June 26th, 2012	03964	07V	552949	6922443	NO SAMPLE				
June 26th, 2012	03965	07V	552932	6922344	NO SAMPLE				
June 26th, 2012	03966	07V	552914	6922246	Gentle	50cm	Wet	Light brown	B
June 26th, 2012	03967	07V	552891	6922158	NO SAMPLE				
June 26th, 2012	03968	07V	552885	6922048	Steep	40cm	Wet	Light brown	C
June 26th, 2012	03969	07V	552863	6921944	Steep	40cm	Moist	Chocolate brown	B
June 26th, 2012	03970	07V	552843	6921852	NO SAMPLE				
June 26th, 2012	03971	07V	552822	6921759	NO SAMPLE				
June 26th, 2012	03972	07V	552976	6921653	NO SAMPLE				
June 26th, 2012	03973	07V	552791	6921557	NO SAMPLE				
June 26th, 2012	03974	07V	552989	6921522	NO SAMPLE				
June 26th, 2012	03975	07V	553007	6921615	NO SAMPLE				
June 26th, 2012	03976	07V	553031	6921714	NO SAMPLE				
June 26th, 2012	03977	07V	553047	6921811	NO SAMPLE				
June 26th, 2012	03978	07V	553066	6921926	Steep	20cm	Moist	Chocolate brown	B
June 26th, 2012	03979	07V	553085	6922013	NO SAMPLE				
June 26th, 2012	03980	07V	553095	6922112	NO SAMPLE				
June 26th, 2012	03981	07V	553112	6922211	Moderate	40cm	Wet	Chocolate brown	C
June 26th, 2012	03982	07V	553123	6922312	Moderate	60cm	Moist	Chocolate brown	A
June 26th, 2012	03983	07V	553146	6922416	NO SAMPLE				
June 26th, 2012	03984	07V	553174	6922504	Very steep	20cm	Dry	Light brown	A
June 26th, 2012	03985	07V	553191	6922602	NO SAMPLE				
June 26th, 2012	03986	07V	553206	6922707	Moderate	30cm	Moist	Chocolate brown	A
June 26th, 2012	03987	07V	553218	6922801	NO SAMPLE				
June 27th, 2012	03988	07V	554214	6922722	Steep	30cm	Dry	Light brown	B
June 27th, 2012	03989	07V	554180	6922525	Steep	30cm	Moist	Chocolate brown	B
June 27th, 2012	03990	07V	554145	6922328	Very steep	30cm	Moist	Light brown	B
June 27th, 2012	03991	07V	554103	6922130	Very steep	20cm	Moist	Light brown	A
June 27th, 2012	03992	07V	554074	6921934	NO SAMPLE				
June 27th, 2012	03993	07V	554028	6921744	Moderate	60cm	Moist	Light brown	C
June 27th, 2012	03994	07V	554018	6921528	Steep	30cm	Dry	Light brown	A
June 27th, 2012	03995	07V	554076	6921349	Steep	40cm	Dry	Light brown	B

Date	Sample	UTM Zone	Easting	Northing	Slope	Depth	Moisture	Color	Horizon
June 27th, 2012	03996	07V	554087	6921409	Steep	40cm	Dry	Light brown	B
June 27th, 2012	03997	07V	554100	6921460	Steep	40cm	Dry	Light brown	B
June 27th, 2012	03998	07V	554106	6921504	Steep	30cm	Dry	Light brown	B
June 27th, 2012	03999	07V	554106	6921561	Steep	30cm	Dry	Light brown	B
June 27th, 2012	04000	07V	554119	6921599	Steep	30cm	Dry	Light brown	B
June 26th, 2012	04501	07V	553253	6921883	NO SAMPLE-PERMAFROST				
June 26th, 2012	04502	07V	553240	6921781	Moderate	60cm	Moist	Chocolate brown	B
June 26th, 2012	04503	07V	553220	6921681	Gentle	70cm	Moist	Light brown	B
June 26th, 2012	04504	07V	553206	6921585	Gentle	60cm	Moist	Yellowish orange	C
June 26th, 2012	04505	07V	553184	6921489	Gentle	90cm	Moist	Light brown	C
June 26th, 2012	04506	07V	553283	6921447	Gentle	60cm	Dry	Light brown	C
June 26th, 2012	04507	07V	553288	6921490	Gentle	40cm	Moist	Yellowish orange/lig	C
June 26th, 2012	04508	07V	553293	6921545	Gentle	60cm	Moist	Chocolate brown	B
June 26th, 2012	04509	07V	553305	6921588	Gentle	60cm	Moist	Light brown	B
June 26th, 2012	04510	07V	553315	6921641	Gentle	40cm	Moist	Chocolate brown	B
June 26th, 2012	04511	07V	553323	6921690	Gentle	60cm	Moist	Light brown	C
June 26th, 2012	04512	07V	553334	6921738	Gentle	40cm	Moist	Light brown	B
June 26th, 2012	04513	07V	553338	6921790	Moderate	60cm	Moist	Light brown	B
June 26th, 2012	04514	07V	553342	6921839	Gentle	30cm	Moist	Chocolate brown	B
June 26th, 2012	04515	07V	553353	6921891	Gentle	60cm	Moist	Chocolate brown	B
June 26th, 2012	04516	07V	553368	6921941	Gentle	20cm	Moist	Chocolate brown	B
June 26th, 2012	04517	07V	553380	6921986	Gentle	40cm	Moist	Chocolate brown	B
June 26th, 2012	04518	07V	553385	6922033	Gentle	60cm	Moist	Light brown	B
June 26th, 2012	04519	07V	553388	6922088	Gentle	50cm	Moist	Yellowish orange/lig	C
June 26th, 2012	04520	07V	553396	6922137	Gentle	50cm	Moist	Yellowish orange	C
June 26th, 2012	04521	07V	553412	6922186	Gentle	60cm	Moist	Light brown	B
June 26th, 2012	04522	07V	553417	6922231	Gentle	50cm	Moist	Chocolate brown	B
June 27th, 2012	04523	07V	554002	6922664	NO SAMPLE-PERMAFROST				
June 27th, 2012	04524	07V	553981	6922566	Gentle	40cm	Wet	Chocolate brown	B
June 27th, 2012	04525	07V	553964	6922463	Gentle	50cm	Moist	Chocolate brown	B
June 27th, 2012	04526	07V	553946	6922367	Gentle	30cm	Moist	Chocolate brown	B
June 27th, 2012	04527	07V	553928	6922269	Gentle	50cm	Moist	Chocolate brown	B
June 27th, 2012	04528	07V	553905	6922175	Gentle	40cm	Moist	Chocolate brown	B

Date	Sample	UTM Zone	Easting	Northing	Slope	Depth	Moisture	Color	Horizon
June 27th, 2012	04529	07V	553895	6922079	Gentle	40cm	Moist	Chocolate brown	B
June 27th, 2012	04530	07V	553874	6921974	NO SAMPLE-PERMAFROST				
June 27th, 2012	04531	07V	553859	6921875	NO SAMPLE-PERMAFROST				
June 27th, 2012	04532	07V	553834	6921776	NO SAMPLE-PERMAFROST				
June 27th, 2012	04534	07V	553824	6921681	Gentle	30cm	Dry	Light brown	B
June 27th, 2012	04535	07V	553805	6921583	Flat	60cm	Dry	Yellowish orange/lig	C
June 27th, 2012	04536	07V	553788	6921485	Gentle	40cm	Dry	Light brown	B
June 27th, 2012	04537	07V	553774	6921384	Gentle	40cm	Moist	Light brown	B
June 27th, 2012	04538	07V	553678	6921424	Gentle	40cm	Dry	Chocolate brown	B
June 27th, 2012	04539	07V	553691	6921474	Gentle	60cm	Dry	Yellowish orange	B
June 27th, 2012	04540	07V	553695	6921523	Flat	40cm	Moist	Yellowish orange	C
June 27th, 2012	04541	07V	553707	6921573	Flat	70cm	Dry	Yellowish orange	C
June 27th, 2012	04542	07V	553711	6921624	Gentle	50cm	Dry	Yellowish orange/lig	C
June 27th, 2012	04543	07V	553718	6921671	Gentle	60cm	Dry	Yellowish orange/lig	C
June 27th, 2012	04544	07V	553737	6921721	Gentle	70cm	Dry	Yellowish orange/lig	C
June 27th, 2012	04545	07V	553739	6921766	Gentle	70cm	Moist	Dark grey	B
June 27th, 2012	04546	07V	553751	6921817	Moderate	60cm	Moist	Chocolate brown	B
June 27th, 2012	04547	07V	553760	6921865	Moderate	50cm	Moist	Chocolate brown	B
June 27th, 2012	04548	07V	553772	6921913	NO SAMPLE-PERMAFROST				
June 27th, 2012	04549	07V	553775	6921963	Moderate	50cm	Moist	Light brown	B
June 27th, 2012	04550	07V	553784	6922004	Moderate	30cm	Dry	Chocolate brown	B
June 27th, 2012	04551	07V	553795	6922061	NO SAMPLE-PERMAFROST				
June 27th, 2012	04552	07V	553805	6922109	NO SAMPLE-PERMAFROST				
June 27th, 2012	04553	07V	553814	6922163	NO SAMPLE-PERMAFROST				
June 27th, 2012	04554	07V	553821	6922208	NO SAMPLE-PERMAFROST				
June 27th, 2012	04555	07V	554343	6922296	Flat	40cm	Dry	Light brown	C
June 18th, 2012	04556	07V	554327	6922200	Flat	50cm	Moist	Light brown	B
June 18th, 2012	04557	07V	554306	6922101	Gentle	40cm	Moist	Light brown	B
June 18th, 2012	04558	07V	554286	6921995	Gentle	40cm	Moist	Light brown	B
June 18th, 2012	04559	07V	554276	6921902	Moderate	40cm	Moist	Light brown	C
June 18th, 2012	04560	07V	554253	6921804	Gentle	30cm	Dry	Light brown	B
June 18th, 2012	04561	07V	554234	6921706	Gentle	40cm	Dry	Light brown	C
June 18th, 2012	04562	07V	554218	6921612	Moderate	50cm	Moist	Light brown	B

Date	Sample	UTM Zone	Easting	Northing	Slope	Depth	Moisture	Color	Horizon
June 18th, 2012	04563	07V	554198	6921512	Moderate	40cm	Dry	Light brown/reddish	B
June 18th, 2012	04564	07V	554183	6921412	Moderate	60cm	Moist	Light brown	C
June 27th, 2012	04600	07V	554127	6921649	Moderate	40cm	Moist	Light brown	C
June 27th, 2012	04601	07V	554136	6921708	Gentle	30cm	Moist	Light brown	C
June 27th, 2012	04602	07V	554145	6921747	Flat	60cm	Moist	Yellowish orange	C
June 27th, 2012	04603	07V	554151	6921803	Gentle	30cm	Moist	Light brown	B
June 27th, 2012	04604	07V	554162	6921845	Gentle	40cm	Moist	Chocolate brown	B
June 27th, 2012	04605	07V	554173	6921899	Moderate	40cm	Moist	Chocolate brown	B
June 27th, 2012	04606	07V	554183	6921936	Moderate	40cm	Moist	Chocolate brown	B
June 27th, 2012	04607	07V	554192	6921995	Moderate	20cm	Moist	Light brown	B
June 27th, 2012	04608	07V	554199	6922042	Steep	20cm	Moist	Chocolate brown	A
June 27th, 2012	04609	07V	554208	6922092	Steep	20cm	Moist	Light brown	B
June 27th, 2012	04610	07V	554217	6922141	Steep	10cm	Moist	Chocolate brown	A
June 27th, 2012	04611	07V	554219	6922187	Steep	30cm	Moist	Light brown	C
June 27th, 2012	04612	07V	554234	6922239	Steep	10cm	Moist	Chocolate brown	A
June 27th, 2012	04613	07V	554244	6922288	Steep	30cm	Moist	Chocolate brown	A
June 27th, 2012	04614	07V	554251	6922343	Very steep	20cm	Moist	Chocolate brown	A
June 27th, 2012	04615	07V	554259	6922387	Very steep	30cm	Moist	Chocolate brown	A
June 27th, 2012	04616	07V	554273	6922434	Steep	40cm	Moist	Light brown	C
June 27th, 2012	04617	07V	554281	6922484	Steep	20cm	Moist	Light brown	B
June 28th, 2012	04618	07V	554841	6923934	Gentle	20cm	Moist	Light brown	C
June 28th, 2012	04619	07V	554823	6923835	Gentle	20cm	Moist	Light brown	C
June 28th, 2012	04620	07V	554809	6923731	Moderate	80cm	Moist	Chocolate brown	B
June 28th, 2012	04621	07V	554788	6923638	NO SAMPLE				
June 28th, 2012	04622	07V	554770	6923540	Gentle	40cm	Moist	Light brown	C

APPENDIX C
ANAYLITICAL CERTIFICATES
ACME ANALYTICAL LABORATORIES LTD

WHI1200309.1 – 325 soils

WHI1200310.1 – 321 soils

WHI1200311.1 – 256 soils

WHI1223051 - 1 Rock



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Gorilla Minerals Corp.**
1177 West Hastings Street
Suite 2000
Vancouver B.C. V6E 2K3 Canada

Submitted By: Scott Sheldon
Receiving Lab: Canada-Whitehorse
Received: July 11, 2012
Report Date: August 24, 2012
Page: 1 of 12

CERTIFICATE OF ANALYSIS

WHI12000309.1

CLIENT JOB INFORMATION

Project: WELS
Shipment ID:
P.O. Number
Number of Samples: 325

SAMPLE DISPOSAL

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

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

Invoice To: Gorilla Minerals Corp.
1177 West Hastings Street
Suite 2000
Vancouver B.C. V6E 2K3
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	320	Dry at 60C			WHI
SS80	320	Dry at 60C sieve 100g to -80 mesh			WHI
1DX2	320	1:1:1 Aqua Regia digestion ICP-MS analysis	15	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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Acme Analytical Laboratories (Vancouver) Ltd.

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Client: Gorilla Minerals Corp.
1177 West Hastings Street
Suite 2000
Vancouver B.C. V6E 2K3 Canada

Project: WELS
Report Date: August 24, 2012

Page: 2 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI12000309.1

	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01	0.001
03501	Soil																							
03502	Soil																							
03503	Soil																							
03504	Soil																							
03505	Soil																							
03506	Soil																							
03507	Soil																							
03508	Soil																							
03509	Soil																							
03510	Soil																							
03511	Soil																							
03512	Soil																							
03513	Soil																							
03514	Soil																							
03515	Soil																							
03516	Soil																							
03517	Soil																							
03518	Soil																							
03519	Soil																							
03520	Soil																							
03521	Soil																							
03523	Soil																							
03524	Soil																							
03251	Soil																							
03252	Soil																							
03253	Soil																							
03254	Soil																							
03256	Soil																							
03257	Soil																							
03258	Soil																							



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Report Date: August 24, 2012

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Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI12000309.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
03501	Soil	27	0.45	248	0.044	2	1.31	0.020	0.08	<0.1	0.08	4.7	0.2	0.06	3	0.6	<0.2
03502	Soil	36	0.60	549	0.086	3	1.64	0.029	0.07	<0.1	0.04	5.1	0.2	<0.05	5	0.6	<0.2
03503	Soil	27	0.53	307	0.077	1	1.29	0.018	0.05	0.1	0.01	3.1	<0.1	<0.05	4	<0.5	<0.2
03504	Soil	48	0.76	411	0.114	3	1.70	0.034	0.08	0.2	0.04	12.1	<0.1	<0.05	5	<0.5	<0.2
03505	Soil	63	0.88	337	0.131	3	1.74	0.029	0.08	0.1	0.03	8.2	<0.1	<0.05	6	<0.5	<0.2
03506	Soil	70	0.94	810	0.170	3	2.08	0.035	0.24	0.1	0.02	14.4	0.1	<0.05	7	0.7	<0.2
03507	Soil	50	0.76	905	0.131	4	1.84	0.051	0.06	0.1	0.04	8.6	<0.1	<0.05	6	<0.5	<0.2
03508	Soil	44	0.51	477	0.095	2	1.68	0.022	0.06	<0.1	0.02	7.2	<0.1	<0.05	5	<0.5	<0.2
03509	Soil	30	0.39	747	0.069	3	1.21	0.020	0.06	0.1	0.07	5.6	<0.1	<0.05	4	<0.5	<0.2
03510	Soil	31	0.43	377	0.054	<1	1.45	0.022	0.07	<0.1	0.01	5.6	<0.1	<0.05	4	<0.5	<0.2
03511	Soil	32	0.39	288	0.030	3	1.33	0.012	0.07	<0.1	0.01	4.7	<0.1	<0.05	4	<0.5	<0.2
03512	Soil	43	0.47	170	0.087	2	2.39	0.016	0.05	<0.1	0.02	3.5	<0.1	<0.05	8	<0.5	<0.2
03513	Soil	31	0.37	534	0.060	4	1.36	0.018	0.05	0.1	0.04	5.1	<0.1	<0.05	5	0.8	<0.2
03514	Soil	90	1.78	266	0.132	3	1.51	0.036	0.09	0.2	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2
03515	Soil	32	0.80	288	0.095	4	1.44	0.047	0.09	0.1	0.03	5.9	<0.1	<0.05	4	<0.5	<0.2
03516	Soil	36	0.38	635	0.039	3	1.50	0.015	0.09	0.1	0.04	7.8	<0.1	<0.05	4	1.3	0.3
03517	Soil	42	0.46	415	0.070	2	1.65	0.014	0.07	0.1	0.02	6.4	<0.1	<0.05	4	<0.5	<0.2
03518	Soil	44	1.13	924	0.010	<1	1.73	0.038	0.19	0.2	0.09	12.7	0.6	<0.05	6	3.8	<0.2
03519	Soil	53	1.01	329	0.108	2	2.12	0.042	0.10	0.1	0.04	9.2	0.1	<0.05	7	1.2	<0.2
03520	Soil	33	0.51	123	0.072	3	1.87	0.029	0.05	<0.1	0.03	3.7	0.2	<0.05	7	0.8	<0.2
03521	Soil	32	0.86	254	0.064	<1	1.63	0.075	0.11	<0.1	0.03	4.6	0.2	<0.05	6	1.0	<0.2
03523	Soil	38	0.76	184	0.124	3	1.74	0.055	0.05	0.1	0.03	6.2	<0.1	<0.05	5	0.6	<0.2
03524	Soil	50	0.77	376	0.128	1	2.72	0.027	0.06	<0.1	0.03	8.5	<0.1	<0.05	7	<0.5	<0.2
03251	Soil	45	0.98	1041	0.042	3	2.37	0.029	0.05	<0.1	0.08	14.3	<0.1	<0.05	6	<0.5	<0.2
03252	Soil	42	0.79	517	0.067	3	2.07	0.024	0.06	<0.1	0.04	8.2	0.1	<0.05	6	<0.5	<0.2
03253	Soil	32	1.26	248	0.083	1	1.82	0.032	0.06	0.1	0.05	10.5	<0.1	0.06	6	0.6	<0.2
03254	Soil	37	0.90	357	0.048	2	1.70	0.027	0.06	0.1	0.05	7.6	<0.1	<0.05	5	0.7	<0.2
03256	Soil	32	0.55	390	0.068	1	1.50	0.027	0.05	<0.1	0.05	4.6	0.1	<0.05	5	<0.5	<0.2
03257	Soil	35	0.68	216	0.115	2	1.56	0.044	0.05	0.1	0.04	5.2	<0.1	<0.05	5	0.6	<0.2
03258	Soil	40	0.81	249	0.129	2	1.66	0.041	0.07	<0.1	0.03	5.4	<0.1	<0.05	5	1.1	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01	0.001
03259	Soil	0.5	27.3	5.9	56	<0.1	25.9	11.9	456	2.75	20.3	5.3	2.0	47	0.2	1.6	<0.1	69	0.77	0.059	10
03260	Soil	0.5	46.7	6.9	48	<0.1	32.1	14.2	506	3.00	15.3	4.1	2.4	55	0.1	0.9	0.1	73	0.90	0.051	11
03261	Soil	0.7	66.2	9.0	48	0.1	37.8	13.2	464	3.38	20.2	8.0	2.6	58	0.2	1.5	0.1	75	0.96	0.061	12
03262	Soil	0.7	66.9	8.1	50	<0.1	34.7	16.0	547	3.38	22.4	9.5	2.8	44	<0.1	1.4	0.1	81	0.76	0.055	12
03263	Soil	0.9	61.3	9.5	54	<0.1	35.6	17.0	617	3.37	17.9	8.4	2.9	43	<0.1	1.6	0.1	79	0.72	0.048	13
03264	Soil	0.7	56.3	8.3	60	0.1	33.5	13.7	614	3.26	16.1	12.7	2.6	51	0.3	1.0	0.1	75	0.90	0.058	13
03265	Soil	0.7	42.5	7.5	49	<0.1	32.3	12.6	476	2.91	10.9	4.7	2.1	52	0.2	0.7	0.1	79	1.32	0.059	11
03266	Soil	0.6	46.2	6.1	52	0.1	33.8	13.4	543	2.87	10.9	4.3	1.9	64	0.2	0.7	0.1	78	1.81	0.065	11
03267	Soil	0.5	41.0	5.9	51	0.1	31.1	13.0	481	3.03	13.1	5.5	2.1	49	0.1	0.7	0.1	82	1.29	0.059	10
03268	Soil	0.7	35.2	5.2	50	<0.1	29.4	13.0	563	2.97	9.2	6.6	2.0	51	0.1	0.6	<0.1	86	1.03	0.073	10
03269	Soil	0.6	31.6	4.3	49	<0.1	26.5	12.3	516	2.76	7.1	2.2	1.8	64	0.1	0.5	<0.1	86	2.12	0.072	8
03270	Soil	0.8	51.1	5.9	63	0.2	33.8	12.8	610	2.81	19.0	6.6	1.9	58	0.3	1.4	0.1	71	1.18	0.063	10
03271	Soil	1.1	54.8	10.5	55	0.2	36.3	14.7	713	3.39	44.4	22.4	2.5	42	<0.1	1.6	0.1	85	0.70	0.048	12
03272	Soil	1.1	45.1	10.4	52	0.2	34.3	16.7	686	3.37	15.3	7.5	2.3	37	<0.1	1.1	0.1	95	0.62	0.035	11
03273	Soil	1.0	47.2	11.9	52	0.1	36.1	15.7	577	3.40	12.2	6.7	2.5	36	<0.1	0.7	<0.1	91	0.56	0.030	16
03274	Soil	0.6	48.8	6.1	62	0.1	34.8	15.4	984	3.13	8.8	6.4	2.0	40	0.1	0.9	<0.1	79	0.72	0.061	11
03275	Soil	0.6	46.9	6.6	55	0.1	31.7	13.6	532	2.88	11.3	6.0	1.9	41	0.2	0.8	<0.1	76	0.72	0.066	11
03001	Soil	1.1	76.0	11.6	55	<0.1	39.8	13.9	1116	3.03	10.2	16.5	3.5	23	<0.1	2.2	0.2	59	0.34	0.025	21
03002	Soil	1.0	57.2	10.3	58	<0.1	35.0	16.1	1357	3.20	8.9	8.0	4.2	20	<0.1	1.6	0.2	59	0.29	0.019	22
03003	Soil	1.2	45.5	9.1	53	<0.1	34.9	17.4	702	3.66	9.1	5.7	2.5	21	<0.1	1.1	0.1	83	0.31	0.027	12
03004	Soil	1.2	30.7	11.9	82	<0.1	27.2	15.3	888	2.67	32.8	8.0	1.7	27	0.2	2.0	0.2	65	0.38	0.047	10
03006	Soil	0.8	40.0	7.4	57	<0.1	27.5	12.1	564	2.33	7.6	3.9	1.2	36	0.2	0.8	0.1	58	0.59	0.062	9
03007	Soil	0.8	23.4	8.7	71	<0.1	22.2	12.9	612	2.62	9.0	4.5	1.9	36	0.3	0.6	0.1	70	0.68	0.062	11
03008	Soil	0.7	38.4	7.1	63	<0.1	31.4	15.0	1000	3.31	13.3	4.8	2.3	47	0.3	0.9	<0.1	83	0.82	0.074	12
03009	Soil	0.3	30.5	5.6	54	0.1	33.9	13.4	415	2.33	8.8	12.9	1.5	42	0.2	1.5	<0.1	65	0.76	0.070	10
03010	Soil	1.0	20.9	3.8	39	<0.1	17.9	6.5	484	1.09	6.2	4.2	0.2	109	0.2	1.1	<0.1	20	2.48	0.093	5
03011	Soil	0.4	32.4	4.6	39	0.1	25.6	10.7	464	2.37	7.4	3.8	1.3	73	0.2	0.6	<0.1	57	1.59	0.061	9
03012	Soil	0.6	42.5	7.0	49	0.1	31.8	12.8	462	2.98	11.2	5.2	2.1	56	0.1	0.7	<0.1	76	1.65	0.052	11
03013	Soil	1.2	58.1	7.8	57	0.2	70.0	37.2	2183	5.90	83.4	25.7	6.4	44	<0.1	3.5	<0.1	102	1.02	0.137	21
03014	Soil	1.2	72.0	14.6	54	0.3	40.6	16.5	501	3.10	42.2	20.3	2.9	38	0.1	3.2	0.2	73	0.68	0.048	15



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
03259	Soil	35	0.66	220	0.106	2	1.49	0.039	0.05	0.1	0.03	5.0	<0.1	<0.05	5	1.2	<0.2
03260	Soil	38	0.67	397	0.114	2	1.72	0.045	0.05	<0.1	0.02	6.3	<0.1	<0.05	6	<0.5	<0.2
03261	Soil	45	0.80	601	0.121	2	1.97	0.044	0.08	0.1	0.04	8.0	<0.1	<0.05	6	0.8	<0.2
03262	Soil	44	0.76	434	0.128	1	1.79	0.047	0.09	<0.1	0.03	7.1	<0.1	<0.05	6	<0.5	<0.2
03263	Soil	41	0.72	457	0.120	1	1.83	0.046	0.06	0.1	0.04	7.2	<0.1	0.05	6	0.8	<0.2
03264	Soil	38	0.73	418	0.111	2	1.76	0.048	0.06	<0.1	0.03	6.6	<0.1	<0.05	5	<0.5	<0.2
03265	Soil	37	0.78	304	0.112	2	1.72	0.055	0.06	0.1	0.03	5.6	<0.1	<0.05	5	<0.5	<0.2
03266	Soil	37	0.79	277	0.107	2	1.64	0.051	0.06	0.1	0.03	5.3	<0.1	<0.05	5	<0.5	<0.2
03267	Soil	37	0.73	220	0.118	3	1.72	0.050	0.06	<0.1	0.02	5.7	<0.1	<0.05	5	<0.5	<0.2
03268	Soil	38	0.74	173	0.111	3	1.50	0.048	0.05	0.1	0.02	5.3	<0.1	<0.05	5	<0.5	<0.2
03269	Soil	35	0.80	113	0.113	3	1.32	0.051	0.06	0.1	0.02	4.6	<0.1	<0.05	4	<0.5	<0.2
03270	Soil	35	0.62	594	0.091	2	1.51	0.039	0.04	0.1	0.04	6.1	<0.1	<0.05	5	1.0	<0.2
03271	Soil	47	0.76	828	0.121	1	2.01	0.052	0.05	<0.1	0.06	8.2	<0.1	<0.05	6	<0.5	<0.2
03272	Soil	53	0.68	513	0.122	2	2.18	0.037	0.06	<0.1	0.04	7.6	<0.1	<0.05	6	<0.5	<0.2
03273	Soil	50	0.67	451	0.122	1	2.02	0.042	0.05	<0.1	0.04	8.6	<0.1	<0.05	6	<0.5	<0.2
03274	Soil	39	0.71	477	0.125	2	1.70	0.049	0.05	0.1	0.04	6.2	<0.1	<0.05	5	<0.5	<0.2
03275	Soil	38	0.68	517	0.104	2	1.79	0.041	0.05	0.1	0.05	6.1	<0.1	<0.05	5	<0.5	<0.2
03001	Soil	41	0.48	1125	0.057	1	1.70	0.014	0.07	<0.1	0.08	6.9	<0.1	<0.05	4	<0.5	<0.2
03002	Soil	41	0.47	456	0.053	1	1.72	0.014	0.07	0.1	0.04	6.2	<0.1	<0.05	5	<0.5	<0.2
03003	Soil	46	0.61	791	0.070	1	2.43	0.015	0.07	<0.1	0.03	5.3	<0.1	<0.05	7	<0.5	<0.2
03004	Soil	32	0.48	412	0.083	1	1.30	0.021	0.05	0.1	0.03	3.4	<0.1	<0.05	5	<0.5	<0.2
03006	Soil	32	0.53	452	0.067	2	1.50	0.030	0.04	<0.1	0.05	4.4	<0.1	<0.05	4	<0.5	<0.2
03007	Soil	34	0.63	210	0.090	2	1.60	0.033	0.07	<0.1	0.03	4.3	0.1	<0.05	5	<0.5	<0.2
03008	Soil	40	0.71	289	0.112	2	1.77	0.046	0.05	<0.1	0.03	6.6	<0.1	<0.05	5	<0.5	<0.2
03009	Soil	41	0.77	383	0.107	2	1.67	0.038	0.05	<0.1	0.06	5.6	<0.1	<0.05	5	<0.5	<0.2
03010	Soil	20	0.37	246	0.022	5	0.60	0.019	0.03	<0.1	0.06	1.6	<0.1	0.17	1	<0.5	<0.2
03011	Soil	29	0.57	271	0.079	3	1.39	0.040	0.05	<0.1	0.04	4.5	<0.1	<0.05	4	<0.5	<0.2
03012	Soil	37	0.77	258	0.119	2	1.76	0.052	0.07	<0.1	0.03	5.9	<0.1	<0.05	5	<0.5	<0.2
03013	Soil	44	1.97	1442	0.086	1	2.77	0.025	0.36	0.2	0.06	22.0	0.4	<0.05	7	<0.5	<0.2
03014	Soil	40	0.67	443	0.109	1	1.68	0.053	0.07	<0.1	0.05	6.8	<0.1	<0.05	5	<0.5	0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
03015	Soil	0.5	50.0	8.3	59	0.1	33.9	13.8	533	3.26	20.0	7.1	2.4	53	0.1	0.9	<0.1	81	1.59	0.055	12
03016	Soil	0.5	42.0	6.6	53	0.1	32.9	12.9	463	3.20	10.6	7.8	2.3	52	0.1	0.6	<0.1	81	1.11	0.060	12
03017	Soil	0.5	35.9	4.8	51	<0.1	29.3	12.8	495	2.89	7.3	1.5	2.0	62	0.1	0.4	<0.1	81	2.16	0.073	9
03018	Soil	0.6	27.6	5.1	49	<0.1	25.4	12.2	383	2.86	7.1	4.0	1.7	46	0.2	0.4	<0.1	73	0.89	0.058	9
03019	Soil	0.6	33.2	4.8	55	<0.1	28.9	12.9	517	2.90	8.1	3.5	1.8	49	0.2	0.5	<0.1	79	1.01	0.070	10
03020	Soil	0.4	28.9	4.9	45	<0.1	26.6	12.1	388	2.93	7.3	4.8	2.0	42	<0.1	0.4	0.1	81	0.80	0.070	10
03021	Soil	0.6	49.6	6.3	54	0.2	36.2	14.4	692	2.85	24.5	9.4	1.8	52	0.2	1.1	0.1	72	1.13	0.062	12
03022	Soil	0.5	44.6	6.2	56	0.1	32.5	13.8	569	3.13	12.4	6.5	2.1	56	0.1	0.7	<0.1	79	1.45	0.056	11
03023	Soil	0.5	39.2	6.4	54	<0.1	30.5	13.0	481	3.14	14.5	6.6	2.2	51	0.1	0.7	<0.1	78	1.11	0.061	11
03024	Soil	0.7	38.8	5.6	55	<0.1	32.4	15.2	698	3.39	11.3	4.6	2.1	52	0.2	0.7	<0.1	80	1.06	0.080	11
03025	Soil	0.6	38.8	6.0	52	<0.1	30.8	13.7	655	2.99	9.8	3.4	1.8	46	0.2	0.5	<0.1	74	0.89	0.064	11
03751	Soil	1.1	45.3	20.6	200	0.1	24.5	11.7	770	2.83	10.9	6.0	4.2	33	0.7	0.6	0.2	63	0.62	0.058	24
03752	Soil	1.2	36.1	8.6	63	0.1	26.5	15.2	871	3.01	18.7	5.3	2.1	39	0.3	1.3	0.2	71	0.66	0.064	13
03753	Soil	1.0	37.9	7.5	57	0.2	26.1	13.1	483	3.19	17.2	5.6	1.7	38	0.2	1.3	0.2	80	0.65	0.072	12
03755	Soil	0.5	57.7	4.9	52	<0.1	171.0	26.1	732	3.62	25.4	10.4	1.8	70	0.1	1.2	<0.1	84	1.47	0.141	11
03756	Soil	0.9	65.3	7.5	50	<0.1	38.4	15.8	580	3.85	40.7	12.8	2.8	40	<0.1	1.9	0.1	98	0.75	0.023	14
03757	Soil	1.7	41.5	11.5	52	0.1	39.5	15.2	717	3.15	26.3	4.6	2.4	35	0.1	2.6	0.2	74	0.55	0.037	11
03758	Soil	1.4	32.9	8.9	55	0.2	29.9	13.8	714	3.22	22.5	7.4	1.5	18	0.2	1.7	0.2	75	0.24	0.044	8
03759	Soil	0.8	48.0	7.2	62	0.2	28.9	14.8	690	3.10	22.4	12.1	2.1	41	0.2	1.9	0.2	72	0.68	0.062	11
03760	Soil	2.1	44.1	8.5	62	0.2	37.5	12.1	536	3.21	57.1	5.9	1.7	29	0.1	2.5	0.1	77	0.37	0.019	8
03761	Soil	1.2	30.3	6.8	44	0.2	25.2	12.2	622	2.86	9.1	3.1	1.7	25	<0.1	0.5	<0.1	79	0.40	0.015	9
03762	Soil	1.5	36.8	8.0	55	0.4	30.1	11.5	668	2.59	110.9	22.8	0.9	24	0.2	1.4	0.1	60	0.31	0.048	9
03764	Soil	21.0	35.1	3.8	56	0.2	140.4	40.4	>10000	1.68	22.0	5.5	0.4	202	0.8	1.8	<0.1	31	2.90	0.078	5
03765	Soil	0.9	60.8	8.1	48	0.4	35.2	13.4	444	2.91	31.4	16.4	2.0	58	<0.1	1.3	<0.1	80	1.88	0.048	11
03766	Soil	1.5	34.2	10.4	53	0.5	34.0	12.3	486	3.29	31.7	4.2	2.0	42	0.1	2.3	0.1	71	0.68	0.032	10
03767	Soil	36.5	70.8	19.8	254	0.9	87.6	19.5	646	5.05	117.8	19.6	7.8	38	1.5	12.0	0.3	171	0.69	0.058	38
03768	Soil	3.7	44.4	21.3	138	0.3	45.3	14.1	1094	3.71	249.3	3.3	4.8	59	1.2	2.1	0.5	119	0.83	0.074	20
03769	Soil	2.2	38.7	10.5	92	0.3	43.2	12.3	706	3.69	24.0	4.9	3.9	61	0.3	1.8	0.1	113	0.83	0.051	11
03771	Soil	3.4	23.3	12.8	87	0.4	26.7	14.1	659	3.38	21.8	3.3	2.9	35	0.7	1.6	0.2	106	0.61	0.043	13
03773	Soil	0.6	42.1	6.6	57	0.1	31.1	12.5	392	2.92	29.0	11.7	2.0	47	0.2	0.8	<0.1	76	1.10	0.058	10



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Project: WELS
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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
03015	Soil	38	0.76	302	0.126	2	1.79	0.055	0.07	0.1	0.03	6.1	<0.1	<0.05	5	<0.5	<0.2
03016	Soil	39	0.76	294	0.119	2	1.83	0.053	0.06	0.1	0.03	6.1	<0.1	<0.05	5	<0.5	<0.2
03017	Soil	35	0.86	130	0.121	3	1.43	0.055	0.08	0.1	0.02	5.0	<0.1	<0.05	4	<0.5	<0.2
03018	Soil	34	0.70	190	0.105	2	1.70	0.046	0.05	<0.1	0.02	5.1	<0.1	<0.05	5	<0.5	<0.2
03019	Soil	37	0.73	190	0.120	3	1.61	0.055	0.06	0.1	0.03	5.4	<0.1	<0.05	5	<0.5	<0.2
03020	Soil	37	0.72	145	0.116	2	1.62	0.053	0.05	<0.1	0.02	5.1	<0.1	<0.05	5	<0.5	<0.2
03021	Soil	37	0.66	534	0.103	2	1.67	0.058	0.04	0.1	0.03	6.3	<0.1	<0.05	5	<0.5	<0.2
03022	Soil	37	0.80	266	0.122	2	1.73	0.056	0.06	<0.1	0.03	6.0	<0.1	<0.05	5	<0.5	<0.2
03023	Soil	39	0.81	304	0.118	2	1.78	0.060	0.06	0.1	0.03	6.1	<0.1	<0.05	5	<0.5	<0.2
03024	Soil	38	0.78	229	0.124	2	1.60	0.067	0.05	<0.1	0.03	5.9	<0.1	<0.05	5	<0.5	<0.2
03025	Soil	36	0.69	294	0.105	2	1.80	0.049	0.05	<0.1	0.03	5.5	<0.1	<0.05	5	<0.5	<0.2
03751	Soil	40	0.68	389	0.075	<1	1.79	0.026	0.10	<0.1	0.07	5.3	0.3	<0.05	5	<0.5	<0.2
03752	Soil	35	0.58	733	0.085	2	1.69	0.031	0.05	0.1	0.05	6.0	0.1	<0.05	5	0.6	<0.2
03753	Soil	37	0.67	599	0.095	1	1.81	0.026	0.08	0.1	0.03	5.8	0.1	<0.05	6	<0.5	<0.2
03755	Soil	119	2.55	379	0.185	4	1.88	0.038	0.46	0.1	0.02	7.1	0.2	<0.05	6	<0.5	<0.2
03756	Soil	48	0.87	750	0.118	2	2.08	0.048	0.08	0.2	0.02	11.4	<0.1	<0.05	6	<0.5	<0.2
03757	Soil	45	0.61	608	0.099	2	1.72	0.025	0.10	0.1	0.02	5.4	0.1	<0.05	5	<0.5	<0.2
03758	Soil	38	0.52	660	0.068	1	1.98	0.016	0.06	0.1	0.02	4.1	<0.1	<0.05	6	<0.5	<0.2
03759	Soil	38	0.64	539	0.104	2	1.83	0.038	0.05	0.1	0.05	6.8	<0.1	<0.05	5	<0.5	<0.2
03760	Soil	38	0.49	355	0.070	<1	1.62	0.021	0.08	0.1	0.01	5.8	<0.1	<0.05	5	<0.5	<0.2
03761	Soil	37	0.54	267	0.097	<1	1.96	0.035	0.04	<0.1	<0.01	4.5	<0.1	<0.05	6	<0.5	<0.2
03762	Soil	32	0.38	381	0.046	1	1.73	0.022	0.06	<0.1	0.04	3.7	<0.1	<0.05	6	<0.5	<0.2
03764	Soil	58	1.11	859	0.045	7	0.85	0.023	0.07	0.1	0.05	3.0	0.1	0.23	2	0.8	<0.2
03765	Soil	37	0.83	257	0.117	3	1.65	0.065	0.08	0.2	0.04	5.7	<0.1	<0.05	5	<0.5	<0.2
03766	Soil	42	0.52	866	0.058	2	2.04	0.018	0.07	<0.1	0.02	6.0	<0.1	<0.05	5	<0.5	<0.2
03767	Soil	48	0.65	565	0.019	1	1.81	0.025	0.14	0.2	0.07	13.8	0.3	<0.05	6	1.9	<0.2
03768	Soil	65	1.79	472	0.120	2	3.42	0.071	0.29	0.1	0.02	9.2	0.4	<0.05	11	0.9	0.2
03769	Soil	65	1.48	307	0.138	2	3.46	0.128	0.12	<0.1	0.03	10.2	0.2	<0.05	10	0.6	<0.2
03771	Soil	48	1.32	297	0.094	2	2.54	0.025	0.10	0.1	0.04	5.5	0.3	<0.05	11	0.8	<0.2
03773	Soil	41	0.77	190	0.113	2	1.82	0.055	0.05	0.1	0.02	7.0	<0.1	<0.05	5	0.6	<0.2



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15				
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01	0.001	1
03525	Soil					1.1	47.4	11.1	61	<0.1	30.3	13.3	1004	2.76	44.3	19.0	2.5	30	<0.1	7.1	0.1	70	0.41	0.044	13
03526	Soil					1.4	60.0	18.2	90	0.1	41.4	16.8	1488	3.20	131.1	17.9	2.3	25	<0.1	28.7	0.2	59	0.30	0.055	11
03527	Soil					1.1	52.3	14.5	69	0.1	36.7	13.9	944	3.08	111.6	19.2	2.7	25	<0.1	12.7	0.1	62	0.36	0.049	13
03528	Soil					0.9	45.4	11.1	62	0.1	37.2	11.9	533	3.05	29.1	16.3	2.2	27	<0.1	2.5	0.1	70	0.41	0.058	10
03529	Soil					1.6	34.6	14.0	63	0.1	29.5	14.0	853	3.18	56.2	8.3	1.9	25	<0.1	4.8	0.1	77	0.33	0.050	9
03530	Soil					1.3	29.9	11.4	79	0.1	31.4	15.7	1182	3.28	37.7	8.4	1.8	31	0.2	3.3	0.1	80	0.49	0.054	8
03531	Soil					1.3	36.9	9.9	80	0.3	29.3	13.2	1065	2.91	39.0	5.6	1.8	44	0.5	21.5	0.1	64	0.72	0.076	8
03532	Soil					1.4	40.0	11.6	61	0.2	31.8	15.2	973	3.33	35.8	8.3	2.1	28	0.1	11.7	0.1	80	0.39	0.039	11
03533	Soil					1.4	29.7	10.9	56	0.2	26.9	13.2	1274	2.58	36.7	8.0	1.7	29	0.1	9.8	0.1	68	0.40	0.043	10
03534	Soil					1.4	39.4	11.0	58	0.2	35.7	12.4	669	3.12	37.8	16.5	2.3	31	<0.1	10.5	0.1	76	0.46	0.037	11
03535	Soil					1.6	29.3	12.1	63	0.1	31.8	12.4	617	3.21	67.6	16.8	2.1	29	0.1	5.5	0.1	84	0.44	0.034	9
03536	Soil					0.4	25.2	12.0	71	0.6	14.1	10.1	604	4.13	193.5	394.8	4.7	36	0.2	11.8	<0.1	89	0.92	0.067	16
03537	Soil					0.5	34.1	7.5	70	<0.1	14.6	12.5	813	4.86	46.6	21.3	6.9	27	<0.1	1.4	<0.1	95	0.55	0.068	22
03538	Soil					0.8	78.6	12.6	78	<0.1	48.1	13.1	494	2.61	84.7	9.5	5.2	9	<0.1	11.8	0.2	64	0.13	0.012	16
03539	Soil					0.9	143.5	18.2	88	0.1	56.2	18.5	1211	3.15	124.5	39.8	2.6	24	<0.1	10.8	0.3	62	0.36	0.022	10
03540	Soil					1.2	54.8	19.1	72	0.2	49.5	17.5	881	3.41	58.2	11.5	2.2	28	<0.1	7.4	0.1	73	0.46	0.032	9
03541	Soil					1.1	60.3	15.9	63	0.1	42.7	16.1	695	3.16	49.7	21.6	2.4	33	<0.1	4.0	0.1	84	0.54	0.046	11
03542	Soil					0.9	45.8	10.9	56	0.2	33.0	14.0	614	3.20	36.7	14.5	2.0	31	0.2	2.1	0.1	87	0.51	0.043	8
03543	Soil					0.9	85.0	10.5	63	0.3	57.6	17.4	686	3.20	13.9	12.3	2.1	47	0.2	2.2	0.1	92	0.76	0.053	12
03544	Soil					0.6	54.0	9.4	70	0.2	226.7	32.7	545	3.76	7.0	6.4	2.0	133	<0.1	1.7	<0.1	85	1.07	0.176	11
03545	Soil					1.4	53.5	15.7	75	0.3	80.3	18.1	1188	3.00	28.2	4.1	1.8	35	0.5	11.4	0.1	65	0.50	0.032	8
03546	Soil					1.3	45.4	12.5	64	0.1	35.1	10.6	292	3.05	28.6	4.1	2.5	19	<0.1	5.5	0.1	67	0.26	0.014	8
03547	Soil					1.3	38.6	10.5	77	0.2	38.4	14.0	442	3.59	13.0	3.9	3.3	23	<0.1	3.9	0.1	92	0.27	0.015	8
03548	Soil					1.5	37.1	16.1	86	0.2	28.3	17.6	819	3.06	24.4	9.4	1.8	16	0.2	6.7	0.2	72	0.19	0.039	10
03549	Soil					0.9	35.5	9.2	57	0.3	20.2	8.5	453	2.50	13.6	12.7	1.4	23	0.1	3.0	0.1	50	0.31	0.040	11
03551	Soil					0.8	96.8	8.6	71	0.1	47.7	22.6	772	4.81	83.9	30.0	2.3	50	0.2	3.4	0.2	119	0.92	0.026	12
03552	Soil					1.1	30.3	11.1	60	0.3	32.2	15.6	567	3.74	45.8	17.5	3.0	34	0.1	2.4	0.2	80	0.54	0.024	10
03553	Soil					2.5	40.7	9.2	62	0.1	34.9	13.6	520	3.80	70.7	15.1	4.1	37	<0.1	1.8	0.2	93	0.56	0.029	16
03554	Soil					1.3	105.4	38.7	153	0.6	40.4	19.7	1412	3.77	216.1	42.6	2.1	31	0.4	2.9	0.8	60	0.63	0.042	12
03555	Soil					1.2	47.8	9.6	58	0.1	46.5	21.4	586	4.34	45.0	5.4	2.3	31	0.1	0.9	0.2	112	0.57	0.020	10



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
03525	Soil	43	0.54	180	0.103	1	1.62	0.022	0.06	<0.1	0.01	5.6	<0.1	<0.05	5	<0.5	<0.2
03526	Soil	42	0.44	238	0.086	1	1.44	0.017	0.08	<0.1	0.01	4.5	<0.1	<0.05	5	<0.5	<0.2
03527	Soil	48	0.53	258	0.084	1	1.57	0.016	0.08	<0.1	0.02	5.4	<0.1	<0.05	5	<0.5	<0.2
03528	Soil	43	0.68	283	0.087	1	2.31	0.023	0.06	<0.1	0.01	5.2	<0.1	<0.05	6	<0.5	<0.2
03529	Soil	38	0.52	184	0.090	2	1.69	0.014	0.10	<0.1	0.02	3.9	<0.1	<0.05	6	<0.5	<0.2
03530	Soil	46	0.58	282	0.086	1	2.06	0.024	0.09	0.1	0.03	4.9	<0.1	<0.05	6	<0.5	<0.2
03531	Soil	39	0.53	382	0.095	3	1.67	0.034	0.15	<0.1	0.01	4.6	<0.1	<0.05	5	<0.5	<0.2
03532	Soil	45	0.63	302	0.096	2	2.12	0.026	0.06	<0.1	0.02	5.3	<0.1	<0.05	6	<0.5	<0.2
03533	Soil	34	0.49	299	0.086	<1	1.59	0.023	0.07	0.1	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2
03534	Soil	47	0.58	1030	0.071	<1	1.99	0.021	0.06	0.1	0.03	5.8	<0.1	<0.05	6	<0.5	<0.2
03535	Soil	48	0.62	446	0.084	1	2.01	0.019	0.07	0.1	0.02	5.4	<0.1	<0.05	7	<0.5	<0.2
03536	Soil	22	0.90	568	0.123	2	2.12	0.043	0.28	0.3	0.02	10.0	0.1	<0.05	7	<0.5	<0.2
03537	Soil	19	1.09	554	0.076	<1	2.18	0.042	0.17	<0.1	0.02	11.4	0.1	<0.05	8	<0.5	<0.2
03538	Soil	40	0.41	473	0.034	<1	1.04	0.006	0.17	0.2	0.01	8.7	0.1	<0.05	4	<0.5	<0.2
03539	Soil	41	0.41	497	0.047	<1	1.22	0.026	0.07	0.1	0.06	9.1	<0.1	<0.05	4	<0.5	<0.2
03540	Soil	67	0.60	440	0.078	1	1.90	0.025	0.09	0.1	0.02	8.0	<0.1	<0.05	5	<0.5	<0.2
03541	Soil	54	0.63	445	0.114	1	1.84	0.040	0.06	0.1	0.03	8.4	<0.1	<0.05	5	<0.5	<0.2
03542	Soil	44	0.65	535	0.110	1	1.89	0.031	0.06	0.2	0.02	5.6	<0.1	<0.05	6	<0.5	<0.2
03543	Soil	56	0.84	322	0.125	2	1.98	0.033	0.09	0.2	0.04	7.3	<0.1	<0.05	6	<0.5	<0.2
03544	Soil	160	3.23	436	0.151	6	1.80	0.035	0.22	0.2	0.03	6.0	0.1	<0.05	6	<0.5	<0.2
03545	Soil	67	0.55	602	0.045	3	1.56	0.024	0.12	<0.1	0.02	6.3	<0.1	<0.05	5	<0.5	<0.2
03546	Soil	37	0.44	590	0.076	1	1.50	0.017	0.06	<0.1	<0.01	4.2	<0.1	<0.05	4	0.6	<0.2
03547	Soil	52	0.69	939	0.115	1	2.67	0.018	0.05	<0.1	0.02	4.9	<0.1	<0.05	7	0.6	<0.2
03548	Soil	29	0.34	387	0.058	1	1.35	0.013	0.05	<0.1	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
03549	Soil	24	0.35	654	0.024	1	1.35	0.016	0.07	<0.1	0.03	4.0	<0.1	<0.05	5	<0.5	<0.2
03551	Soil	53	0.83	704	0.081	2	2.18	0.057	0.08	<0.1	0.05	15.2	0.1	<0.05	7	0.7	<0.2
03552	Soil	43	0.58	405	0.059	1	2.09	0.023	0.10	<0.1	0.02	6.6	<0.1	<0.05	6	<0.5	<0.2
03553	Soil	50	0.70	406	0.111	2	2.24	0.037	0.13	<0.1	0.03	10.6	0.1	<0.05	6	<0.5	<0.2
03554	Soil	33	0.41	406	0.044	1	1.39	0.028	0.05	<0.1	0.09	9.7	0.1	<0.05	4	0.6	<0.2
03555	Soil	64	0.76	252	0.080	1	3.07	0.036	0.05	<0.1	0.02	10.2	0.1	<0.05	8	<0.5	<0.2



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01	0.001
03276	Soil																							
03277	Soil																							
03278	Soil																							
03279	Soil																							
03280	Soil																							
03281	Soil																							
03282	Soil																							
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03298	Soil																							
03299	Soil																							
03300	Soil																							
03301	Soil																							
03302	Soil																							
03303	Soil																							
03304	Soil																							
03305	Soil																							



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
03276	Soil	70	0.84	741	0.112	2	2.30	0.023	0.10	<0.1	0.04	6.3	0.1	<0.05	7	<0.5	<0.2
03277	Soil	47	0.76	651	0.147	1	1.89	0.031	0.12	0.1	0.02	5.6	<0.1	<0.05	6	<0.5	<0.2
03278	Soil	63	0.97	603	0.154	1	1.97	0.035	0.16	0.1	0.02	7.3	0.1	<0.05	7	<0.5	<0.2
03279	Soil	40	0.74	446	0.102	1	2.41	0.027	0.10	0.1	0.04	6.6	<0.1	<0.05	7	<0.5	<0.2
03280	Soil	40	0.52	457	0.109	1	1.84	0.027	0.07	0.1	0.05	5.5	<0.1	<0.05	7	<0.5	<0.2
03281	Soil	43	0.64	788	0.123	2	2.28	0.033	0.09	0.1	0.04	7.1	<0.1	<0.05	7	0.5	<0.2
03282	Soil	30	0.55	653	0.075	1	1.83	0.028	0.08	0.2	0.04	6.3	<0.1	<0.05	6	0.6	<0.2
03283	Soil	36	0.76	606	0.130	1	1.93	0.039	0.10	0.4	0.03	7.8	0.1	<0.05	6	0.7	<0.2
03284	Soil	41	0.67	432	0.127	2	1.95	0.040	0.06	0.2	0.04	6.0	<0.1	<0.05	6	0.5	<0.2
03285	Soil	41	0.52	689	0.077	1	2.20	0.025	0.06	0.2	0.07	7.5	0.1	<0.05	6	0.6	<0.2
03286	Soil	18	0.53	369	0.066	2	1.24	0.029	0.13	0.4	0.03	5.5	0.1	0.08	4	0.6	<0.2
03287	Soil	48	0.65	503	0.078	1	1.77	0.025	0.10	0.2	0.01	4.9	<0.1	<0.05	6	<0.5	<0.2
03288	Soil	118	1.35	810	0.063	2	1.52	0.023	0.09	0.1	0.05	7.1	<0.1	0.05	5	0.5	<0.2
03289	Soil	170	1.88	976	0.086	2	1.79	0.024	0.15	0.1	0.06	9.5	0.1	<0.05	5	0.7	<0.2
03290	Soil	198	1.71	973	0.091	2	1.74	0.022	0.10	<0.1	0.04	9.9	0.1	<0.05	5	0.7	<0.2
03291	Soil	43	0.67	482	0.105	2	1.91	0.026	0.12	<0.1	0.02	5.2	<0.1	<0.05	6	<0.5	<0.2
03292	Soil	32	0.50	1322	0.082	1	1.58	0.019	0.09	0.1	0.02	4.6	0.1	<0.05	5	0.6	<0.2
03293	Soil	40	0.59	1026	0.090	1	2.07	0.024	0.06	<0.1	0.03	5.7	<0.1	<0.05	6	<0.5	<0.2
03294	Soil	46	0.67	686	0.106	1	2.47	0.021	0.06	<0.1	0.02	5.6	0.1	<0.05	7	<0.5	<0.2
03295	Soil	43	0.70	479	0.107	1	2.41	0.020	0.09	<0.1	0.01	4.5	<0.1	<0.05	7	<0.5	<0.2
03296	Soil	38	0.71	704	0.083	1	2.10	0.019	0.08	<0.1	0.02	4.7	0.1	<0.05	7	<0.5	<0.2
03297	Soil	33	0.79	850	0.085	1	2.52	0.028	0.11	0.1	0.03	7.0	0.1	<0.05	8	<0.5	<0.2
03298	Soil	34	0.56	657	0.056	<1	1.97	0.020	0.09	<0.1	0.03	4.9	0.1	<0.05	6	0.5	<0.2
03299	Soil	46	0.74	774	0.091	1	2.58	0.023	0.07	<0.1	0.03	5.8	0.1	<0.05	7	0.6	<0.2
03300	Soil	36	0.61	888	0.050	2	1.96	0.018	0.06	0.1	0.04	4.9	0.1	<0.05	6	<0.5	<0.2
03301	Soil	26	0.52	1306	0.037	1	2.35	0.018	0.08	0.1	0.04	4.6	0.2	<0.05	7	<0.5	<0.2
03302	Soil	24	0.35	1086	0.042	2	1.50	0.022	0.06	0.1	0.03	3.7	0.1	<0.05	5	<0.5	<0.2
03303	Soil	39	0.81	647	0.098	1	2.52	0.025	0.14	0.2	0.05	8.8	0.2	<0.05	8	0.7	<0.2
03304	Soil	34	0.43	257	0.054	<1	2.27	0.018	0.04	<0.1	0.02	4.0	0.1	<0.05	7	<0.5	<0.2
03305	Soil	21	0.38	286	0.068	<1	1.52	0.021	0.07	<0.1	0.03	4.4	0.2	<0.05	5	0.5	<0.2



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01	0.001
03306	Soil		0.9	18.8	8.7	48	<0.1	25.7	10.1	312	3.03	11.5	9.8	3.4	28	<0.1	0.6	0.1	70	0.35	0.032	11		
03026	Soil		1.0	37.9	8.9	54	<0.1	33.3	11.8	505	3.23	9.5	4.5	2.9	29	<0.1	1.4	0.1	80	0.34	0.019	12		
03027	Soil		0.8	50.9	7.1	56	<0.1	35.9	10.3	508	3.27	14.6	7.5	2.9	31	<0.1	1.7	0.1	74	0.44	0.023	12		
03028	Soil		1.3	46.9	9.6	57	0.1	37.9	13.1	396	3.55	16.9	6.8	2.6	24	<0.1	1.7	0.1	72	0.28	0.025	9		
03029	Soil		0.7	54.8	6.9	71	<0.1	31.0	11.9	510	3.26	22.5	6.8	2.1	21	<0.1	4.6	0.1	60	0.30	0.024	9		
03030	Soil		0.7	43.6	9.4	79	0.2	16.5	10.3	1060	3.89	59.7	115.7	4.3	27	0.1	4.1	0.2	52	0.37	0.042	18		
03031	Soil		1.6	37.3	8.2	63	0.1	42.5	13.6	479	3.50	69.7	10.2	2.2	24	0.2	2.2	0.2	86	0.30	0.032	8		
03032	Soil		1.4	50.3	13.8	68	0.6	40.5	14.1	558	3.61	331.9	120.6	2.3	24	0.2	13.1	0.2	78	0.33	0.031	10		
03033	Soil		1.2	24.6	7.3	64	0.1	24.7	10.4	1096	2.62	72.1	21.1	1.4	18	0.2	12.0	0.1	54	0.24	0.060	8		
03034	Soil		1.2	26.6	8.8	69	0.3	27.4	11.5	750	3.44	64.0	29.8	3.2	26	0.3	13.4	0.1	71	0.38	0.039	16		
03035	Soil		0.9	21.6	5.4	67	0.2	14.8	12.8	1065	4.22	74.6	26.7	3.6	37	0.1	14.0	0.1	95	0.72	0.069	13		
03036	Soil		0.8	21.1	5.2	54	0.3	16.2	9.9	734	2.95	90.4	41.2	2.6	40	0.1	6.5	<0.1	66	0.75	0.064	17		
03037	Soil		0.8	9.1	4.7	50	<0.1	9.2	10.3	651	4.80	210.4	149.0	6.7	18	<0.1	4.5	0.1	97	0.40	0.059	17		
03038	Soil		0.7	19.1	4.3	46	<0.1	13.1	10.8	662	4.82	74.3	102.0	6.9	24	<0.1	2.0	0.2	99	0.42	0.039	22		
03039	Soil		0.5	101.1	5.2	51	0.2	30.9	14.4	493	4.01	80.2	478.9	2.9	42	<0.1	2.4	<0.1	101	0.72	0.032	8		
03040	Soil		0.9	40.0	8.1	57	0.4	35.1	11.1	328	2.87	85.5	15.5	2.2	26	0.1	4.0	0.1	68	0.38	0.021	10		
03041	Soil		1.2	31.1	7.1	59	0.2	32.2	10.0	380	3.02	34.4	5.4	2.5	29	0.1	2.6	0.1	67	0.42	0.019	8		
03042	Soil		1.1	39.4	7.6	62	0.3	38.7	14.1	498	3.43	40.2	11.5	2.4	25	0.1	2.0	0.1	75	0.31	0.016	8		
03043	Soil		1.0	31.3	6.4	63	0.1	27.6	11.8	559	3.44	15.6	6.1	2.5	25	<0.1	2.3	<0.1	75	0.32	0.020	10		
03044	Soil		1.1	42.3	7.0	62	0.3	40.3	14.2	380	3.57	14.4	11.3	2.8	23	0.1	1.1	<0.1	79	0.30	0.032	8		
03045	Soil		0.7	115.7	13.4	105	<0.1	191.6	34.2	980	6.19	3.2	3.5	4.2	77	<0.1	0.8	<0.1	174	1.65	0.330	35		
03046	Soil		0.8	95.0	9.4	87	<0.1	192.9	35.9	825	5.41	4.3	3.5	2.8	208	<0.1	0.4	<0.1	120	1.66	0.478	26		
03047	Soil		1.1	36.1	7.5	56	0.5	40.4	16.6	334	3.86	13.4	10.7	2.5	20	0.1	1.0	<0.1	88	0.29	0.039	8		
03048	Soil		0.8	29.4	8.2	61	0.2	33.1	11.1	336	3.37	64.6	29.7	1.9	22	<0.1	2.3	0.1	73	0.27	0.024	7		
03049	Soil		1.8	30.2	9.2	73	0.2	27.6	12.5	632	3.88	71.4	12.4	2.1	19	0.1	5.1	0.2	89	0.23	0.056	10		
03050	Soil		0.9	48.0	6.3	71	0.2	34.1	9.8	483	3.40	56.0	24.5	3.5	24	<0.1	3.9	0.1	53	0.33	0.041	15		
03051	Soil		0.7	19.4	7.2	78	<0.1	10.8	8.2	490	4.45	14.2	14.0	4.5	19	<0.1	3.0	<0.1	44	0.24	0.038	13		
03052	Soil		1.0	22.7	10.4	67	0.1	26.6	11.2	290	3.45	15.9	7.2	2.5	25	<0.1	1.0	0.1	72	0.33	0.048	10		
03053	Soil		0.6	35.8	5.7	54	<0.1	26.1	11.1	321	2.91	20.2	17.8	2.8	26	0.1	1.2	0.1	60	0.39	0.040	10		
03054	Soil		1.0	34.9	6.4	57	<0.1	23.5	6.5	438	2.44	47.3	20.6	2.3	20	<0.1	5.3	0.1	31	0.16	0.014	7		



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
03306	Soil	40	0.61	317	0.085	1	2.05	0.019	0.04	<0.1	0.02	5.0	0.1	<0.05	6	<0.5	<0.2
03026	Soil	48	0.66	225	0.110	1	2.49	0.018	0.05	<0.1	0.02	7.2	<0.1	<0.05	7	<0.5	<0.2
03027	Soil	49	0.75	402	0.130	1	2.50	0.024	0.06	<0.1	0.03	10.2	<0.1	<0.05	7	<0.5	<0.2
03028	Soil	47	0.68	325	0.098	1	3.01	0.019	0.06	<0.1	0.02	5.7	0.1	<0.05	7	<0.5	<0.2
03029	Soil	32	0.87	763	0.101	1	2.60	0.018	0.24	0.1	0.01	7.4	0.1	<0.05	8	<0.5	<0.2
03030	Soil	24	0.63	665	0.019	<1	2.01	0.015	0.07	<0.1	0.03	12.0	<0.1	<0.05	6	<0.5	<0.2
03031	Soil	48	0.64	513	0.089	1	3.02	0.020	0.06	<0.1	0.02	5.1	0.1	<0.05	8	<0.5	<0.2
03032	Soil	43	0.60	325	0.079	2	2.71	0.017	0.06	<0.1	0.06	5.7	0.1	<0.05	7	<0.5	<0.2
03033	Soil	29	0.37	210	0.056	1	1.54	0.017	0.06	0.1	0.02	3.5	<0.1	<0.05	6	<0.5	<0.2
03034	Soil	37	0.60	398	0.056	<1	2.42	0.022	0.06	0.2	0.03	5.9	0.1	<0.05	7	<0.5	<0.2
03035	Soil	27	0.83	301	0.095	1	2.17	0.029	0.09	0.1	0.04	10.2	0.1	<0.05	8	0.5	<0.2
03036	Soil	26	0.64	375	0.075	1	1.93	0.031	0.06	0.2	0.05	8.0	0.1	<0.05	6	0.6	<0.2
03037	Soil	20	1.06	251	0.093	<1	2.30	0.016	0.23	1.4	0.02	10.5	0.1	<0.05	8	<0.5	<0.2
03038	Soil	26	1.06	305	0.100	<1	2.38	0.024	0.18	0.4	0.02	12.6	0.2	<0.05	8	<0.5	<0.2
03039	Soil	37	0.83	513	0.114	<1	2.78	0.074	0.10	0.3	0.02	9.1	<0.1	<0.05	8	<0.5	<0.2
03040	Soil	40	0.52	263	0.077	1	1.65	0.025	0.07	0.1	0.02	5.7	<0.1	<0.05	5	<0.5	<0.2
03041	Soil	36	0.46	749	0.068	1	1.54	0.017	0.05	<0.1	<0.01	3.9	<0.1	<0.05	5	<0.5	<0.2
03042	Soil	48	0.58	949	0.088	<1	2.25	0.019	0.05	<0.1	0.02	6.9	<0.1	<0.05	7	<0.5	<0.2
03043	Soil	48	0.65	820	0.068	<1	2.20	0.017	0.05	<0.1	0.01	7.8	<0.1	<0.05	6	<0.5	<0.2
03044	Soil	49	0.71	818	0.109	2	3.00	0.023	0.05	<0.1	0.03	5.5	<0.1	<0.05	7	<0.5	<0.2
03045	Soil	209	4.66	566	0.158	2	3.14	0.053	1.21	0.3	0.01	7.0	0.2	<0.05	13	<0.5	<0.2
03046	Soil	80	4.15	1136	0.105	7	2.92	0.027	0.53	0.2	<0.01	4.3	0.2	<0.05	9	<0.5	<0.2
03047	Soil	48	0.73	314	0.108	1	3.28	0.021	0.05	<0.1	0.03	5.2	0.1	<0.05	7	<0.5	<0.2
03048	Soil	39	0.65	571	0.087	1	2.38	0.018	0.06	<0.1	0.02	4.2	<0.1	<0.05	7	0.5	<0.2
03049	Soil	35	0.48	578	0.074	<1	1.68	0.010	0.05	<0.1	0.01	3.6	<0.1	<0.05	8	0.5	<0.2
03050	Soil	29	0.50	2394	0.048	<1	1.59	0.017	0.07	<0.1	0.02	7.3	<0.1	<0.05	5	<0.5	<0.2
03051	Soil	16	0.33	1048	0.009	<1	1.52	0.019	0.07	<0.1	0.01	7.9	<0.1	<0.05	4	<0.5	<0.2
03052	Soil	36	0.62	447	0.063	1	2.39	0.019	0.05	<0.1	0.03	4.4	0.1	<0.05	7	<0.5	<0.2
03053	Soil	35	0.64	667	0.069	<1	1.91	0.022	0.06	<0.1	0.02	5.1	<0.1	<0.05	5	<0.5	<0.2
03054	Soil	16	0.18	258	0.010	<1	0.80	0.008	0.05	<0.1	0.02	4.9	<0.1	<0.05	2	<0.5	<0.2



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
03774	Soil																							
03775	Soil																							
03776	Soil																							
03777	Soil																							
03778	Soil																							
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03799	Soil																							
03800	Soil																							
03801	Soil																							
03802	Soil																							
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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
03774	Soil	34	0.63	469	0.060	2	1.74	0.018	0.08	0.1	0.02	4.9	<0.1	<0.05	6	<0.5	<0.2
03775	Soil	46	0.72	418	0.083	2	2.32	0.024	0.08	0.1	0.01	5.3	<0.1	<0.05	8	<0.5	<0.2
03776	Soil	30	0.52	369	0.083	3	1.55	0.016	0.13	0.2	0.03	3.9	<0.1	<0.05	6	<0.5	<0.2
03777	Soil	34	0.48	461	0.074	1	1.80	0.021	0.06	<0.1	0.02	3.7	<0.1	<0.05	6	<0.5	<0.2
03778	Soil	27	0.44	428	0.069	<1	1.20	0.021	0.06	0.1	0.03	3.0	<0.1	<0.05	6	<0.5	<0.2
03779	Soil	48	0.73	451	0.087	1	2.48	0.026	0.05	0.1	0.02	6.6	<0.1	<0.05	7	<0.5	<0.2
03780	Soil	32	0.45	210	0.055	1	2.32	0.026	0.05	0.1	0.02	4.6	<0.1	<0.05	7	<0.5	<0.2
03781	Soil	38	0.55	304	0.070	2	2.38	0.021	0.06	0.3	0.03	5.4	0.1	<0.05	8	<0.5	<0.2
03782	Soil	43	0.69	499	0.060	2	2.77	0.020	0.06	0.2	0.06	6.3	0.1	<0.05	7	<0.5	<0.2
03783	Soil	51	1.16	1366	0.171	1	3.53	0.048	0.18	0.3	0.03	8.0	0.2	<0.05	11	<0.5	<0.2
03784	Soil	22	1.27	774	0.138	1	2.94	0.038	0.20	0.2	0.02	9.4	0.2	<0.05	9	<0.5	<0.2
03785	Soil	27	0.97	391	0.143	3	2.01	0.035	0.16	0.7	0.05	9.1	0.2	0.06	7	0.6	<0.2
03786	Soil	26	1.50	555	0.300	<1	2.86	0.023	0.52	0.4	0.01	8.7	0.4	<0.05	10	<0.5	<0.2
03787	Soil	19	1.16	536	0.200	<1	2.90	0.033	0.51	3.0	0.02	11.8	0.3	<0.05	9	<0.5	<0.2
03788	Soil	23	0.90	800	0.086	<1	2.82	0.048	0.20	0.3	0.02	11.4	0.1	<0.05	8	<0.5	<0.2
03789	Soil	28	0.43	981	0.040	1	1.56	0.020	0.07	0.2	0.01	5.8	<0.1	<0.05	4	<0.5	<0.2
03790	Soil	34	0.54	808	0.087	1	1.72	0.023	0.08	0.1	0.01	3.9	<0.1	<0.05	6	<0.5	<0.2
03791	Soil	49	0.79	642	0.100	2	2.60	0.023	0.06	<0.1	0.01	4.9	0.1	<0.05	7	<0.5	<0.2
03792	Soil	38	0.57	619	0.078	2	2.51	0.022	0.07	<0.1	0.03	4.7	0.1	<0.05	8	<0.5	<0.2
03793	Soil	36	0.56	422	0.080	2	2.00	0.015	0.07	0.1	0.02	4.2	<0.1	<0.05	8	<0.5	<0.2
03794	Soil	45	0.54	1218	0.078	2	3.16	0.025	0.07	<0.1	0.05	7.1	0.1	<0.05	9	<0.5	<0.2
03795	Soil	43	1.02	788	0.135	2	2.92	0.030	0.08	0.1	0.03	8.7	0.1	<0.05	8	<0.5	<0.2
03796	Soil	21	0.44	587	0.065	1	1.23	0.019	0.07	0.1	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2
03797	Soil	42	0.65	659	0.070	2	2.84	0.020	0.06	<0.1	0.05	4.9	0.1	<0.05	7	<0.5	<0.2
03798	Soil	38	0.72	662	0.071	2	2.35	0.021	0.06	0.1	0.03	5.0	0.1	<0.05	7	<0.5	<0.2
03799	Soil	33	0.50	786	0.034	2	1.99	0.016	0.06	<0.1	0.04	4.5	0.1	<0.05	6	<0.5	<0.2
03800	Soil	32	0.54	819	0.040	2	2.13	0.018	0.06	0.1	0.05	4.9	0.1	<0.05	7	<0.5	<0.2
03801	Soil	23	0.32	390	0.065	1	1.14	0.011	0.04	<0.1	0.02	2.5	<0.1	<0.05	7	<0.5	<0.2
03802	Soil	26	0.35	533	0.055	1	1.45	0.017	0.05	0.1	0.03	3.3	0.1	<0.05	6	<0.5	<0.2
03803	Soil	33	0.55	1734	0.082	2	1.89	0.023	0.06	0.1	0.05	5.3	0.1	<0.05	5	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
03804	Soil	1.8	29.7	9.2	91	0.2	31.3	11.6	636	3.26	29.6	11.2	1.7	27	0.2	2.4	0.1	79	0.32	0.060	8
03556	Soil	1.4	49.3	9.2	74	0.1	35.3	16.7	885	4.90	344.7	121.8	3.9	34	<0.1	3.7	0.2	86	0.68	0.088	17
03557	Soil	1.1	38.1	8.0	60	0.1	34.7	14.0	575	3.60	39.7	19.2	3.6	42	<0.1	0.6	0.1	89	0.71	0.044	15
03558	Soil	1.3	39.7	7.2	48	0.4	28.6	8.9	558	2.12	155.7	67.7	0.9	111	0.4	2.0	0.1	36	2.02	0.070	22
03559	Soil	1.1	44.5	8.4	57	0.1	34.6	13.5	565	3.58	48.0	28.7	3.6	38	0.1	0.7	<0.1	86	0.83	0.032	13
03560	Soil	0.7	71.4	6.7	54	0.1	38.6	14.4	525	3.62	28.1	35.8	3.0	52	<0.1	0.6	<0.1	94	1.08	0.046	16
03561	Soil	1.0	74.0	12.1	94	0.2	29.4	20.3	1013	5.35	252.8	239.3	9.8	42	0.1	1.9	0.5	86	0.72	0.067	25
03562	Soil	0.9	68.2	7.6	55	0.1	33.3	15.0	493	3.57	18.4	7.4	2.6	45	0.2	0.6	<0.1	94	0.78	0.047	13
03563	Soil	1.1	67.1	6.8	57	0.3	25.8	16.8	587	3.55	197.5	18.0	1.6	37	0.1	1.2	0.2	94	0.58	0.055	10
03564	Soil	1.2	31.5	14.3	64	<0.1	37.7	17.4	410	4.19	17.3	4.8	4.2	35	0.1	0.7	0.2	94	0.33	0.019	9
03565	Soil	1.0	37.9	12.0	62	<0.1	37.6	18.1	450	3.97	36.4	9.7	5.4	33	<0.1	1.0	0.2	89	0.38	0.026	11
03566	Soil	0.8	53.7	6.2	55	0.3	27.0	14.1	1197	2.34	11.1	12.1	0.8	51	0.3	1.0	0.1	57	1.22	0.078	12
03567	Soil	0.9	60.5	8.6	59	0.2	34.7	19.5	1002	3.47	8.3	5.2	3.0	46	0.1	0.5	0.1	106	0.78	0.041	14
03568	Soil	0.9	84.8	8.7	54	<0.1	48.5	18.5	487	4.02	9.7	12.3	3.1	48	<0.1	0.4	0.1	107	0.72	0.024	14
03569	Soil	0.9	62.0	7.7	61	<0.1	36.9	17.0	555	4.10	9.4	6.5	3.4	54	<0.1	0.4	0.1	102	0.69	0.032	15
03570	Soil	0.8	53.9	9.8	54	<0.1	34.4	15.6	463	3.66	9.4	5.2	3.7	48	<0.1	0.5	0.1	99	0.63	0.032	16
03571	Soil	1.0	36.4	8.0	49	<0.1	28.2	12.8	323	3.46	8.3	3.7	2.9	38	<0.1	0.4	0.1	98	0.45	0.021	10
03572	Soil	0.7	40.8	8.4	51	<0.1	31.5	13.9	386	3.58	7.5	2.1	3.1	45	0.1	0.4	0.1	94	0.56	0.026	11
03573	Soil	1.0	53.2	7.7	59	<0.1	32.7	16.4	510	3.85	9.5	3.8	3.0	53	<0.1	0.5	0.1	98	0.72	0.038	14
03574	Soil	0.9	100.2	6.4	57	0.1	33.7	19.1	599	4.63	7.7	5.3	3.0	48	<0.1	0.4	0.1	123	0.58	0.029	14
03575	Soil	0.8	64.6	9.3	56	0.1	35.7	15.7	506	3.87	10.6	7.7	3.5	54	<0.1	0.4	0.2	98	0.65	0.025	16
03576	Soil	0.9	57.3	8.5	60	0.1	35.3	17.4	496	4.05	10.1	6.7	3.4	53	<0.1	0.6	0.1	103	0.69	0.031	14
03577	Soil	0.9	34.9	8.0	57	<0.1	30.2	14.0	410	3.57	15.5	13.0	4.3	42	<0.1	0.5	0.1	89	0.48	0.031	14
03578	Soil	0.9	32.9	8.8	75	<0.1	37.3	16.0	607	3.93	19.2	6.6	4.1	51	<0.1	0.8	0.1	90	0.55	0.038	14
03579	Soil	1.1	28.4	8.9	50	0.1	25.7	11.1	319	3.36	32.7	11.5	3.0	39	0.1	0.7	0.1	85	0.50	0.038	13
03580	Soil	0.6	42.4	8.8	62	0.1	33.2	13.6	456	3.59	21.9	7.8	3.9	51	0.1	0.8	0.1	93	0.66	0.039	16
03581	Soil	0.8	33.4	8.0	50	<0.1	28.8	12.0	414	3.19	13.5	9.8	3.5	42	0.1	0.5	<0.1	84	0.48	0.031	13
03582	Soil	1.0	59.1	20.1	69	<0.1	79.4	19.5	605	3.99	66.2	11.2	9.7	39	0.1	19.7	0.4	81	0.40	0.032	28
03583	Soil	1.3	24.6	17.6	66	0.2	22.6	11.5	422	3.55	915.5	208.9	6.9	28	0.2	5.9	0.3	63	0.30	0.030	16
03309	Soil	0.5	53.9	5.8	56	0.1	30.7	13.4	497	3.04	16.0	13.3	2.2	64	0.1	0.7	0.1	77	1.33	0.047	11



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
03804	Soil	35	0.59	589	0.077	2	1.77	0.019	0.06	0.1	0.02	3.9	0.1	<0.05	6	<0.5	<0.2
03556	Soil	41	1.08	252	0.188	1	2.40	0.052	0.32	1.1	0.03	10.1	0.3	<0.05	8	<0.5	<0.2
03557	Soil	46	0.82	237	0.122	2	2.15	0.045	0.07	0.1	0.04	8.1	<0.1	<0.05	6	<0.5	<0.2
03558	Soil	22	0.40	201	0.032	4	1.48	0.023	0.05	0.2	0.13	5.2	<0.1	0.16	4	0.8	<0.2
03559	Soil	43	0.86	333	0.115	2	2.38	0.046	0.10	0.1	0.02	7.4	0.1	<0.05	7	<0.5	<0.2
03560	Soil	41	1.05	264	0.118	2	2.31	0.061	0.08	0.2	0.04	7.6	<0.1	<0.05	6	<0.5	<0.2
03561	Soil	35	0.97	452	0.098	2	2.65	0.052	0.38	0.2	0.04	12.8	0.3	<0.05	10	<0.5	<0.2
03562	Soil	47	0.76	146	0.135	3	1.94	0.047	0.08	<0.1	0.03	8.1	<0.1	<0.05	6	<0.5	<0.2
03563	Soil	34	0.54	211	0.072	2	2.34	0.028	0.04	<0.1	0.03	5.1	<0.1	<0.05	7	<0.5	<0.2
03564	Soil	55	0.76	281	0.123	<1	3.07	0.020	0.05	<0.1	0.02	5.7	0.1	<0.05	7	<0.5	<0.2
03565	Soil	50	0.74	251	0.108	1	3.19	0.023	0.05	<0.1	0.02	6.3	0.1	<0.05	7	<0.5	<0.2
03566	Soil	29	0.48	206	0.043	2	1.67	0.031	0.03	<0.1	0.08	6.0	<0.1	<0.05	5	0.7	<0.2
03567	Soil	53	0.72	220	0.135	<1	2.75	0.042	0.04	<0.1	0.05	9.1	<0.1	<0.05	7	<0.5	<0.2
03568	Soil	74	0.90	173	0.155	2	2.70	0.043	0.04	<0.1	0.03	10.7	<0.1	<0.05	8	<0.5	<0.2
03569	Soil	54	0.78	208	0.156	1	2.19	0.047	0.05	<0.1	0.05	10.0	<0.1	<0.05	7	<0.5	<0.2
03570	Soil	57	0.73	244	0.149	<1	2.44	0.034	0.05	<0.1	0.05	10.2	<0.1	<0.05	7	<0.5	<0.2
03571	Soil	49	0.64	217	0.140	<1	2.35	0.027	0.04	<0.1	0.02	6.4	<0.1	<0.05	7	<0.5	<0.2
03572	Soil	54	0.76	209	0.154	1	2.55	0.034	0.04	<0.1	0.03	7.6	<0.1	<0.05	8	<0.5	<0.2
03573	Soil	50	0.74	183	0.153	1	2.16	0.049	0.05	<0.1	0.03	9.0	<0.1	<0.05	7	<0.5	<0.2
03574	Soil	48	0.82	190	0.121	<1	2.83	0.031	0.04	<0.1	0.04	15.2	<0.1	<0.05	9	<0.5	<0.2
03575	Soil	55	0.76	218	0.154	<1	2.41	0.046	0.05	<0.1	0.05	9.9	<0.1	<0.05	7	<0.5	<0.2
03576	Soil	53	0.81	216	0.151	<1	2.63	0.046	0.05	<0.1	0.04	10.5	<0.1	<0.05	8	0.8	<0.2
03577	Soil	48	0.73	237	0.131	1	2.69	0.026	0.04	<0.1	0.02	8.0	<0.1	<0.05	7	<0.5	<0.2
03578	Soil	51	0.84	252	0.121	1	2.70	0.037	0.05	<0.1	0.03	8.4	<0.1	<0.05	7	<0.5	<0.2
03579	Soil	39	0.64	187	0.120	<1	2.26	0.025	0.04	<0.1	0.03	6.2	0.1	<0.05	7	0.7	<0.2
03580	Soil	48	0.74	227	0.147	1	2.33	0.042	0.05	<0.1	0.05	9.8	<0.1	<0.05	7	<0.5	<0.2
03581	Soil	46	0.68	186	0.136	2	2.12	0.031	0.04	<0.1	0.02	7.1	<0.1	<0.05	7	<0.5	<0.2
03582	Soil	59	0.50	191	0.076	<1	1.95	0.022	0.05	<0.1	0.03	11.4	0.1	<0.05	6	0.9	<0.2
03583	Soil	32	0.46	172	0.050	<1	1.87	0.016	0.07	0.1	0.02	5.5	0.1	<0.05	5	<0.5	<0.2
03309	Soil	33	0.75	161	0.122	2	1.85	0.069	0.06	0.2	0.02	6.1	<0.1	<0.05	6	<0.5	<0.2



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
03310	Soil				0.5	56.2	6.0	55	0.1	33.7	15.4	488	3.89	31.6	48.2	3.1	58	<0.1	0.9	0.1	90	1.18	0.039	12
03311	Soil				0.6	54.9	6.1	53	0.1	26.1	13.6	449	3.29	32.7	121.9	3.2	56	0.2	0.6	0.1	82	1.08	0.044	14
03312	Soil				0.6	100.4	6.3	53	0.1	30.2	14.1	450	3.10	24.9	13.8	2.2	64	<0.1	0.6	<0.1	81	1.22	0.053	11
03313	Soil				1.1	62.4	8.4	57	0.2	27.6	12.3	455	2.99	254.0	38.7	2.3	59	0.3	1.0	0.1	73	0.98	0.058	13
03314	Soil				1.1	66.2	10.0	54	<0.1	33.5	14.6	485	3.64	49.9	16.2	3.5	50	<0.1	0.6	0.1	93	0.77	0.042	16
03315	Soil				1.0	36.4	6.1	46	<0.1	24.5	11.6	358	3.06	47.2	20.0	1.9	36	0.1	0.5	<0.1	84	0.48	0.032	7
03316	Soil				0.6	52.0	6.9	54	0.1	30.9	13.7	476	2.76	57.9	11.8	2.6	62	0.3	0.7	0.1	69	1.12	0.069	12
03317	Soil				0.7	30.6	5.6	55	<0.1	24.9	12.6	391	2.92	18.5	5.4	2.1	54	0.1	0.5	0.1	82	0.88	0.069	11
03318	Soil				0.7	57.4	6.7	55	0.1	31.3	15.3	563	2.94	7.4	7.5	2.2	70	0.2	0.6	<0.1	79	1.24	0.059	12
03319	Soil				0.9	37.8	15.3	64	0.1	31.3	14.1	479	3.54	9.5	4.7	6.2	49	0.3	0.9	0.2	79	0.73	0.044	21
03320	Soil				1.0	31.9	15.4	63	0.2	33.0	13.5	382	3.52	9.9	3.6	5.5	44	0.2	1.1	0.2	85	0.61	0.028	25
03321	Soil				1.0	28.1	16.1	70	<0.1	34.4	16.0	469	4.09	9.7	2.6	6.6	40	0.2	1.3	0.2	91	0.52	0.032	18
03322	Soil				0.7	29.3	11.6	54	<0.1	31.7	14.5	431	3.41	6.2	3.8	5.1	33	<0.1	0.6	0.2	80	0.58	0.040	19
03323	Soil				0.6	37.4	7.0	49	<0.1	30.2	14.4	543	3.31	7.5	3.7	3.0	38	0.1	0.4	0.1	86	0.71	0.041	13
03324	Soil				0.4	56.4	4.9	54	0.1	32.1	13.1	442	3.12	7.0	6.7	1.9	45	0.1	0.4	0.1	81	1.05	0.054	10
03325	Soil				0.4	57.1	5.0	54	0.1	30.5	13.1	452	2.77	5.8	5.3	1.6	51	0.1	0.5	0.1	72	1.36	0.050	10
03326	Soil				0.5	50.3	5.7	52	0.1	31.1	14.8	543	2.95	7.2	5.5	1.9	47	0.2	0.4	0.1	77	1.02	0.049	11
03327	Soil				0.8	42.6	6.0	61	0.1	24.5	17.2	631	3.04	121.2	19.2	2.0	37	0.1	0.7	0.1	88	0.70	0.065	10
03328	Soil				0.5	48.4	6.1	55	<0.1	25.7	14.7	441	2.97	82.8	11.1	2.5	35	0.1	0.4	<0.1	85	0.66	0.051	12
03329	Soil				0.6	62.8	5.0	54	0.2	29.3	14.1	377	3.24	307.5	77.2	2.2	39	0.1	0.9	<0.1	87	0.77	0.059	11
03330	Soil				0.6	78.5	7.3	50	0.3	96.2	20.8	432	3.61	129.3	177.4	4.4	58	0.1	0.7	0.1	104	0.84	0.074	18
03331	Soil				1.0	34.4	6.5	43	0.1	23.0	10.4	250	2.91	55.7	7.6	1.5	27	<0.1	0.4	<0.1	85	0.47	0.025	8
03332	Soil				1.2	42.7	7.3	47	0.1	28.7	14.8	374	3.38	70.0	15.5	2.1	34	<0.1	0.5	<0.1	98	0.58	0.026	10
03333	Soil				1.6	73.8	9.2	53	0.2	36.8	15.8	466	3.57	349.3	39.0	2.7	40	0.1	0.8	<0.1	97	0.67	0.036	12
03055	Soil				0.9	72.6	6.5	49	0.1	37.1	18.1	646	3.56	9.6	4.8	2.4	35	0.2	0.4	<0.1	102	0.65	0.029	14
03056	Soil				0.5	72.9	5.6	48	0.2	32.4	13.1	502	2.88	6.7	4.3	1.4	46	0.3	0.4	<0.1	77	1.09	0.054	11
03057	Soil				0.4	50.2	5.2	48	0.1	33.4	14.6	524	2.75	6.8	21.9	1.4	53	0.1	0.5	<0.1	73	1.35	0.054	10
03058	Soil				0.6	40.8	7.8	64	0.1	27.5	14.5	415	2.92	131.5	14.0	3.2	43	0.2	0.9	<0.1	79	0.81	0.060	13
03059	Soil				1.0	45.8	7.6	54	0.2	24.6	13.7	391	3.09	269.7	14.1	1.9	26	0.1	0.6	0.1	86	0.38	0.040	9
03060	Soil				0.9	40.6	8.2	51	0.2	29.8	14.7	373	3.67	295.1	45.3	2.5	33	0.1	0.7	<0.1	102	0.55	0.035	11



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
03310	Soil	43	0.81	183	0.129	5	2.17	0.065	0.07	0.3	0.04	9.2	<0.1	<0.05	6	<0.5	<0.2
03311	Soil	36	0.72	194	0.132	<1	2.02	0.059	0.09	0.4	0.04	8.8	<0.1	<0.05	6	<0.5	<0.2
03312	Soil	34	0.75	158	0.121	2	1.88	0.061	0.05	0.1	0.04	6.7	<0.1	<0.05	6	<0.5	<0.2
03313	Soil	36	0.62	213	0.092	<1	1.90	0.039	0.05	0.1	0.04	7.0	<0.1	<0.05	6	0.5	<0.2
03314	Soil	47	0.76	201	0.138	<1	2.22	0.051	0.06	<0.1	0.04	9.2	<0.1	<0.05	7	<0.5	<0.2
03315	Soil	35	0.58	167	0.119	2	2.20	0.029	0.05	0.1	0.01	4.5	<0.1	<0.05	7	<0.5	<0.2
03316	Soil	42	0.71	187	0.109	<1	1.93	0.045	0.06	0.1	0.03	6.5	<0.1	<0.05	6	0.5	<0.2
03317	Soil	34	0.64	159	0.119	3	1.66	0.047	0.05	0.1	0.03	5.2	<0.1	<0.05	5	<0.5	<0.2
03318	Soil	40	0.73	200	0.119	5	1.84	0.051	0.05	0.1	0.04	6.6	<0.1	<0.05	6	<0.5	<0.2
03319	Soil	49	0.81	198	0.136	3	2.27	0.044	0.13	<0.1	0.03	8.8	<0.1	<0.05	7	<0.5	<0.2
03320	Soil	53	0.77	174	0.139	1	2.28	0.040	0.11	<0.1	0.03	8.8	<0.1	<0.05	7	1.0	<0.2
03321	Soil	55	0.92	180	0.149	<1	2.46	0.033	0.26	<0.1	0.01	8.1	0.2	<0.05	8	<0.5	<0.2
03322	Soil	55	0.82	190	0.132	2	2.14	0.036	0.18	<0.1	0.03	6.9	0.1	<0.05	7	<0.5	<0.2
03323	Soil	48	0.79	209	0.122	2	1.94	0.040	0.05	<0.1	0.03	6.4	<0.1	<0.05	6	<0.5	<0.2
03324	Soil	41	0.80	157	0.128	3	1.90	0.059	0.05	0.1	0.04	6.4	<0.1	<0.05	5	<0.5	<0.2
03325	Soil	38	0.71	151	0.109	3	1.71	0.049	0.05	0.1	0.04	6.5	<0.1	<0.05	5	<0.5	<0.2
03326	Soil	43	0.74	172	0.114	2	1.92	0.045	0.04	<0.1	0.06	6.6	<0.1	<0.05	6	<0.5	<0.2
03327	Soil	36	0.70	163	0.102	2	1.91	0.036	0.05	0.1	0.04	6.0	<0.1	<0.05	6	<0.5	<0.2
03328	Soil	40	0.65	150	0.124	2	2.02	0.037	0.05	0.1	0.03	6.0	<0.1	<0.05	6	<0.5	<0.2
03329	Soil	40	0.68	160	0.112	2	2.24	0.040	0.05	0.2	0.03	6.5	<0.1	<0.05	7	<0.5	<0.2
03330	Soil	152	1.53	186	0.126	2	2.66	0.036	0.05	0.1	0.02	9.5	<0.1	<0.05	7	<0.5	<0.2
03331	Soil	37	0.56	140	0.104	1	2.08	0.026	0.04	<0.1	0.01	4.4	<0.1	<0.05	7	<0.5	<0.2
03332	Soil	48	0.72	167	0.120	2	2.53	0.031	0.05	<0.1	0.02	5.9	<0.1	<0.05	7	<0.5	<0.2
03333	Soil	54	0.74	185	0.123	2	2.51	0.042	0.06	0.1	0.03	7.2	<0.1	<0.05	7	<0.5	<0.2
03055	Soil	57	0.80	214	0.125	1	2.58	0.038	0.04	<0.1	0.04	7.7	<0.1	<0.05	7	<0.5	<0.2
03056	Soil	42	0.62	162	0.104	2	2.00	0.048	0.04	<0.1	0.04	6.5	<0.1	<0.05	6	<0.5	<0.2
03057	Soil	46	0.74	159	0.101	3	1.92	0.048	0.04	<0.1	0.05	6.5	<0.1	0.06	5	<0.5	<0.2
03058	Soil	36	0.73	183	0.108	2	2.03	0.048	0.07	0.1	0.04	6.8	<0.1	<0.05	6	<0.5	<0.2
03059	Soil	38	0.59	149	0.100	2	2.29	0.026	0.06	0.1	0.02	4.2	0.1	<0.05	8	<0.5	<0.2
03060	Soil	44	0.78	203	0.109	2	2.71	0.030	0.05	0.1	0.02	6.1	0.1	<0.05	8	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001	La ppm 1
03061	Soil	1.0	51.2	8.5	60	0.3	26.3	19.4	646	3.87	1385	206.2	2.9	38	0.2	1.5	0.2	93	0.61	0.049	13
03062	Soil	0.8	70.0	5.2	46	<0.1	34.3	17.1	512	3.56	34.9	7.8	1.8	41	<0.1	0.7	<0.1	102	0.94	0.036	10
03063	Soil	0.6	77.9	6.1	54	0.1	33.3	16.5	540	3.63	35.7	13.6	2.1	47	0.1	0.5	<0.1	103	0.94	0.042	12
03064	Soil	0.7	56.2	5.7	56	0.1	31.9	16.5	603	3.82	42.0	74.1	2.9	45	<0.1	0.5	<0.1	94	0.84	0.041	14
03065	Soil	0.9	59.9	6.5	47	0.1	40.6	17.5	594	3.82	57.9	45.1	2.3	42	0.1	0.9	<0.1	102	0.80	0.022	12
03066	Soil	0.1	107.9	0.9	45	<0.1	73.8	30.2	666	4.88	125.5	40.1	0.4	96	<0.1	0.6	<0.1	131	8.86	0.047	4
03067	Soil	0.5	60.2	5.5	51	0.1	33.2	13.8	489	3.12	27.5	14.5	1.9	64	0.1	0.5	<0.1	84	1.91	0.049	11
03068	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.
03069	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.
03070	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.
03071	Soil	0.5	38.7	4.3	47	<0.1	25.5	14.9	304	2.85	197.4	8.8	1.6	62	<0.1	0.6	<0.1	74	1.45	0.054	9
03072	Soil	0.5	43.7	5.2	51	<0.1	31.3	13.7	509	3.05	16.3	15.7	2.0	67	<0.1	0.5	<0.1	88	2.01	0.063	11
03073	Soil	0.5	46.7	5.2	55	<0.1	31.6	14.5	584	3.15	16.6	9.1	2.0	59	<0.1	0.5	<0.1	91	1.60	0.058	11
03074	Soil	0.5	46.3	5.7	45	<0.1	29.3	14.2	466	3.25	24.3	29.3	2.0	44	<0.1	0.5	<0.1	90	0.89	0.025	10
03075	Soil	0.7	41.0	6.1	54	<0.1	29.1	15.7	535	4.16	81.1	61.9	3.5	36	<0.1	0.7	<0.1	93	0.71	0.030	12
03076	Soil	0.9	42.0	6.4	43	<0.1	36.2	15.6	424	3.59	27.8	54.0	2.4	38	<0.1	0.7	<0.1	93	0.76	0.017	10
03077	Soil	0.7	66.9	5.7	49	<0.1	37.2	16.5	510	3.80	29.7	35.1	2.3	45	<0.1	0.8	<0.1	102	0.93	0.028	11
03078	Soil	0.7	56.4	6.0	50	0.1	33.5	15.7	541	3.50	25.9	36.1	2.1	45	0.1	0.5	<0.1	98	0.92	0.043	11
03079	Soil	0.7	48.6	6.1	53	<0.1	29.4	15.5	508	3.48	37.2	32.4	3.0	46	0.1	0.5	<0.1	94	0.89	0.050	12
03080	Soil	0.5	115.7	4.4	45	0.1	30.3	13.3	375	3.06	31.2	27.0	1.7	53	<0.1	0.5	<0.1	90	1.23	0.053	11
03081	Soil	0.6	86.5	5.3	54	0.1	31.1	14.8	492	3.46	35.3	9.3	1.9	46	0.1	0.7	<0.1	95	0.90	0.050	10
03082	Soil	0.8	89.7	5.7	54	0.2	27.7	13.9	499	3.47	253.3	20.3	1.8	44	0.1	1.0	0.1	84	0.93	0.057	11
03083	Soil	0.9	47.8	7.3	60	0.2	28.3	13.8	501	3.67	440.5	51.3	2.9	39	<0.1	1.0	0.1	85	0.71	0.053	13
03805	Soil	0.5	33.3	5.0	50	<0.1	26.9	12.9	566	2.88	10.8	7.2	2.1	40	0.1	0.5	<0.1	79	0.81	0.067	10
03809	Soil	0.6	63.3	5.1	41	<0.1	26.9	12.0	293	3.06	36.4	27.4	2.0	42	<0.1	0.7	<0.1	83	0.93	0.025	13
03810	Soil	0.7	59.0	5.5	50	0.2	30.7	14.1	510	3.44	39.5	908.5	2.2	42	<0.1	0.6	<0.1	86	0.93	0.037	12
03811	Soil	0.6	63.8	5.4	49	<0.1	34.0	13.7	424	3.23	26.0	29.6	2.6	45	<0.1	0.6	<0.1	86	1.01	0.047	14
03812	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.
03813	Soil	0.9	35.9	6.5	52	<0.1	34.7	16.0	474	3.61	21.4	42.1	2.7	35	<0.1	0.7	<0.1	85	0.61	0.020	14
03814	Soil	0.9	49.9	6.3	47	0.1	35.2	15.1	320	3.79	18.5	16.0	2.4	36	<0.1	0.5	0.2	102	0.68	0.018	10



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
03061	Soil	36	0.69	269	0.098	1	2.28	0.036	0.10	0.2	0.03	7.0	0.1	<0.05	7	<0.5	<0.2
03062	Soil	42	0.82	163	0.122	2	2.23	0.063	0.05	<0.1	0.02	6.8	<0.1	<0.05	7	<0.5	<0.2
03063	Soil	43	0.79	179	0.127	2	2.33	0.061	0.05	<0.1	0.04	8.1	<0.1	<0.05	7	<0.5	<0.2
03064	Soil	37	0.89	184	0.123	2	2.29	0.070	0.09	0.7	0.04	9.1	<0.1	<0.05	7	<0.5	<0.2
03065	Soil	51	0.82	180	0.104	3	2.67	0.073	0.06	0.3	0.03	9.8	<0.1	<0.05	7	<0.5	<0.2
03066	Soil	75	2.41	82	0.014	1	3.92	0.038	0.04	0.5	0.05	13.2	<0.1	<0.05	10	<0.5	<0.2
03067	Soil	38	0.80	170	0.119	3	1.92	0.074	0.06	0.3	0.03	6.2	<0.1	<0.05	6	<0.5	<0.2
03068	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.
03069	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.
03070	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.
03071	Soil	33	0.67	124	0.104	3	1.72	0.064	0.05	0.1	0.03	5.5	<0.1	<0.05	5	1.0	<0.2
03072	Soil	39	0.83	163	0.133	3	1.80	0.075	0.06	0.1	0.02	5.9	<0.1	<0.05	5	<0.5	<0.2
03073	Soil	40	0.80	156	0.136	3	1.84	0.077	0.05	0.2	0.03	6.3	<0.1	<0.05	5	<0.5	<0.2
03074	Soil	42	0.68	153	0.113	2	2.21	0.065	0.05	0.3	0.02	6.9	<0.1	<0.05	6	<0.5	<0.2
03075	Soil	40	0.83	161	0.124	2	2.48	0.064	0.15	0.5	0.03	10.1	0.1	<0.05	8	<0.5	<0.2
03076	Soil	48	0.76	172	0.112	2	2.43	0.062	0.07	0.2	0.02	8.5	<0.1	<0.05	7	<0.5	<0.2
03077	Soil	47	0.86	174	0.122	2	2.48	0.073	0.06	0.2	0.03	9.4	<0.1	<0.05	7	<0.5	<0.2
03078	Soil	45	0.79	182	0.121	2	2.17	0.064	0.06	0.2	0.03	8.5	<0.1	<0.05	6	<0.5	<0.2
03079	Soil	43	0.76	168	0.123	2	2.12	0.056	0.08	0.2	0.02	8.1	<0.1	<0.05	7	<0.5	<0.2
03080	Soil	37	0.79	160	0.111	2	2.14	0.071	0.05	0.2	0.04	7.0	<0.1	<0.05	6	0.6	<0.2
03081	Soil	41	0.79	165	0.124	2	2.11	0.063	0.06	0.1	0.03	7.4	<0.1	<0.05	6	<0.5	<0.2
03082	Soil	36	0.75	210	0.092	3	2.27	0.043	0.06	0.1	0.04	7.4	<0.1	<0.05	7	<0.5	<0.2
03083	Soil	40	0.78	232	0.108	2	2.35	0.038	0.08	0.1	0.03	7.8	<0.1	<0.05	7	<0.5	<0.2
03805	Soil	35	0.71	148	0.120	3	1.75	0.062	0.06	0.1	0.02	5.6	<0.1	<0.05	5	<0.5	<0.2
03809	Soil	35	0.67	154	0.098	2	2.23	0.068	0.05	0.2	0.02	7.0	<0.1	<0.05	7	<0.5	<0.2
03810	Soil	38	0.84	170	0.107	3	2.24	0.080	0.06	0.1	0.04	7.9	<0.1	<0.05	7	<0.5	<0.2
03811	Soil	37	0.87	167	0.111	3	2.03	0.072	0.07	0.2	0.02	7.3	<0.1	<0.05	6	<0.5	<0.2
03812	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.
03813	Soil	50	0.75	178	0.121	2	2.25	0.045	0.09	0.2	0.02	9.6	<0.1	<0.05	7	<0.5	<0.2
03814	Soil	53	0.76	134	0.114	2	2.99	0.033	0.06	0.1	0.01	8.1	0.1	<0.05	8	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001	La ppm 1
03815	Soil	1.1	36.6	6.9	51	0.1	29.7	16.1	560	3.64	18.7	16.9	1.8	33	<0.1	0.5	0.1	96	0.62	0.026	8
03816	Soil	0.8	56.9	5.7	45	0.2	27.6	14.4	786	3.06	16.2	6.2	1.6	33	0.2	0.4	<0.1	80	0.70	0.029	10
03817	Soil	1.1	69.8	5.4	43	<0.1	26.7	13.8	302	3.46	36.7	5.4	1.3	28	<0.1	0.3	<0.1	94	0.56	0.025	7
03818	Soil	0.8	91.0	5.4	46	<0.1	32.9	15.2	504	3.59	37.9	14.1	2.1	38	<0.1	0.6	<0.1	92	0.85	0.025	11
03819	Soil	0.8	72.0	5.0	53	0.1	23.0	13.1	357	3.40	49.3	30.4	1.8	32	0.1	1.1	<0.1	88	0.67	0.052	9
03820	Soil	0.8	12.8	4.7	35	0.1	10.3	6.2	294	1.73	92.9	6.8	1.0	16	0.1	0.4	<0.1	47	0.23	0.021	7
03821	Soil	1.3	24.0	9.2	62	0.2	26.3	10.9	431	3.51	130.2	60.6	3.0	29	0.2	1.0	0.1	79	0.49	0.048	12
03822	Soil	1.6	17.3	12.6	51	0.2	14.4	8.9	760	2.42	90.0	5.0	1.1	16	0.2	0.5	0.1	67	0.22	0.044	7
03823	Soil	1.3	22.2	9.5	51	0.3	25.0	11.3	267	3.68	454.8	13.1	2.2	21	0.1	0.9	0.1	87	0.30	0.037	9
03824	Soil	0.7	14.5	6.2	30	0.1	6.8	2.8	84	1.07	48.8	6.7	0.7	17	<0.1	0.2	<0.1	29	0.24	0.019	5
03825	Soil	0.6	24.9	3.6	43	0.1	15.6	8.2	800	1.38	21.8	10.3	0.5	81	0.3	0.8	<0.1	29	1.89	0.075	7
03826	Soil	0.8	33.8	2.8	36	0.1	15.1	7.1	874	1.08	19.2	9.2	0.3	78	0.3	0.9	<0.1	21	2.82	0.077	4
03827	Soil	0.6	40.7	5.7	49	0.1	29.7	13.4	478	2.73	15.7	10.3	1.7	39	0.1	0.5	<0.1	72	0.99	0.051	11
03828	Soil	0.5	46.7	4.0	44	0.1	26.2	11.2	437	2.42	10.1	4.1	1.2	53	0.2	0.5	<0.1	64	1.63	0.048	8
03829	Soil	0.7	48.8	7.0	55	0.1	33.2	16.7	681	3.64	10.6	10.3	3.3	41	0.2	0.6	<0.1	88	0.86	0.044	15
03830	Soil	0.6	58.7	5.6	49	<0.1	31.7	14.2	468	3.51	9.1	6.7	2.5	39	<0.1	0.5	<0.1	92	0.94	0.037	14
03831	Soil	1.5	38.1	5.5	66	<0.1	33.5	13.3	268	3.65	9.9	2.0	1.1	18	0.1	0.6	0.1	95	0.32	0.030	5
03832	Soil	0.6	39.5	5.8	56	0.2	33.9	14.7	611	3.43	10.9	6.5	2.5	43	<0.1	0.4	<0.1	86	0.87	0.066	13
03584	Soil	0.9	37.0	8.5	67	0.1	30.4	11.2	511	4.06	58.2	29.1	4.0	36	<0.1	1.2	0.1	77	0.55	0.032	20
03585	Soil	0.7	28.0	11.8	77	<0.1	28.3	9.5	463	3.65	42.2	21.3	7.9	34	0.1	2.3	0.2	67	0.59	0.026	29
03586	Soil	1.1	24.6	10.4	67	0.3	24.4	12.5	603	3.81	73.7	21.7	4.6	39	0.2	1.2	0.1	70	0.69	0.049	22
03587	Soil	0.8	45.0	6.2	51	0.6	27.3	7.3	513	2.46	49.6	47.9	1.2	110	0.3	1.5	<0.1	38	2.00	0.081	28
03588	Soil	1.6	32.3	8.9	73	0.6	23.5	10.0	436	2.80	27.0	18.9	1.9	43	0.4	2.5	0.1	65	0.67	0.084	14
03589	Soil	3.4	16.5	7.9	63	0.4	15.4	8.0	387	2.86	53.3	14.8	2.4	27	0.1	3.8	0.1	93	0.40	0.085	13



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
03815	Soil	44	0.70	209	0.099	2	2.53	0.038	0.05	0.1	0.02	6.2	0.1	<0.05	8	<0.5	<0.2
03816	Soil	36	0.59	193	0.090	2	2.12	0.048	0.04	<0.1	0.02	6.2	<0.1	<0.05	7	<0.5	<0.2
03817	Soil	35	0.67	92	0.098	2	2.40	0.037	0.06	<0.1	<0.01	4.5	<0.1	<0.05	8	<0.5	<0.2
03818	Soil	40	0.77	178	0.110	3	2.25	0.056	0.06	<0.1	0.03	8.0	<0.1	<0.05	7	<0.5	<0.2
03819	Soil	33	0.67	182	0.095	2	2.26	0.038	0.06	<0.1	0.02	5.6	0.1	<0.05	8	<0.5	<0.2
03820	Soil	19	0.25	118	0.062	2	1.10	0.027	0.04	<0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
03821	Soil	41	0.64	284	0.086	2	2.70	0.027	0.06	<0.1	0.03	5.5	0.1	<0.05	8	<0.5	<0.2
03822	Soil	25	0.30	116	0.073	1	1.16	0.021	0.05	<0.1	0.01	2.5	<0.1	<0.05	7	<0.5	<0.2
03823	Soil	39	0.57	174	0.091	2	2.66	0.020	0.05	<0.1	0.03	4.4	0.2	<0.05	9	<0.5	<0.2
03824	Soil	15	0.16	62	0.057	2	0.66	0.032	0.05	<0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
03825	Soil	19	0.34	149	0.035	4	0.94	0.024	0.03	<0.1	0.06	3.7	<0.1	0.13	3	<0.5	<0.2
03826	Soil	14	0.32	143	0.021	6	0.73	0.020	0.02	<0.1	0.07	2.1	<0.1	0.12	2	<0.5	<0.2
03827	Soil	42	0.65	180	0.091	1	2.00	0.039	0.04	<0.1	0.05	7.2	<0.1	<0.05	6	<0.5	<0.2
03828	Soil	37	0.60	136	0.083	3	1.65	0.038	0.04	<0.1	0.05	6.4	<0.1	<0.05	5	<0.5	<0.2
03829	Soil	47	0.78	216	0.114	2	2.40	0.051	0.05	<0.1	0.04	8.7	<0.1	<0.05	7	<0.5	<0.2
03830	Soil	43	0.83	134	0.130	2	1.96	0.056	0.08	<0.1	0.03	12.3	<0.1	<0.05	6	<0.5	<0.2
03831	Soil	38	0.66	84	0.101	2	2.63	0.022	0.04	<0.1	0.02	3.7	0.1	<0.05	8	<0.5	<0.2
03832	Soil	43	0.81	235	0.114	2	2.10	0.056	0.06	0.1	0.05	7.8	<0.1	<0.05	6	<0.5	<0.2
03584	Soil	47	0.71	228	0.124	2	2.25	0.037	0.08	<0.1	0.08	11.2	0.2	<0.05	7	<0.5	<0.2
03585	Soil	40	0.81	244	0.114	2	2.23	0.045	0.17	0.2	0.03	9.6	0.3	<0.05	7	<0.5	<0.2
03586	Soil	38	0.79	299	0.117	2	2.30	0.035	0.16	0.1	0.05	8.3	0.2	<0.05	8	<0.5	<0.2
03587	Soil	26	0.44	205	0.046	5	1.90	0.025	0.10	0.1	0.13	6.9	0.1	0.10	5	<0.5	<0.2
03588	Soil	33	0.59	426	0.069	2	1.75	0.029	0.08	0.1	0.07	6.4	0.2	<0.05	6	0.7	<0.2
03589	Soil	25	0.50	197	0.056	2	1.57	0.026	0.08	0.2	0.05	4.1	0.2	<0.05	6	0.8	<0.2



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Project: WELS
Report Date: August 24, 2012

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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
03509	Soil	1.8	70.7	9.8	84	0.7	37.8	12.4	1029	2.52	113.4	57.5	2.3	36	0.2	5.9	0.2	50	0.35	0.050	11
REP 03509	QC	1.7	67.3	9.6	80	0.7	38.5	11.6	956	2.41	107.5	58.5	2.3	36	0.1	5.8	0.2	51	0.34	0.050	11
03515	Soil	1.8	49.6	11.5	76	0.7	36.1	13.3	538	3.06	100.8	38.2	2.8	71	0.3	3.0	0.2	68	1.76	0.071	12
REP 03515	QC	1.8	49.5	11.0	75	0.7	36.4	13.0	533	3.01	96.3	45.4	2.9	69	0.4	2.9	0.1	66	1.69	0.073	11
03273	Soil	1.0	47.2	11.9	52	0.1	36.1	15.7	577	3.40	12.2	6.7	2.5	36	<0.1	0.7	<0.1	91	0.56	0.030	16
REP 03273	QC	1.1	48.8	12.3	53	0.1	36.6	16.2	590	3.47	12.1	5.9	2.5	35	<0.1	0.8	0.1	93	0.57	0.029	15
03007	Soil	0.8	23.4	8.7	71	<0.1	22.2	12.9	612	2.62	9.0	4.5	1.9	36	0.3	0.6	0.1	70	0.68	0.062	11
REP 03007	QC	0.8	23.2	8.6	70	<0.1	23.2	13.1	607	2.62	8.9	52.5	2.0	37	0.3	0.5	0.1	71	0.66	0.059	11
03761	Soil	1.2	30.3	6.8	44	0.2	25.2	12.2	622	2.86	9.1	3.1	1.7	25	<0.1	0.5	<0.1	79	0.40	0.015	9
REP 03761	QC	1.1	31.0	7.2	45	0.2	24.2	12.6	639	2.97	8.7	3.7	1.8	25	<0.1	0.5	<0.1	79	0.41	0.015	9
03773	Soil	0.6	42.1	6.6	57	0.1	31.1	12.5	392	2.92	29.0	11.7	2.0	47	0.2	0.8	<0.1	76	1.10	0.058	10
REP 03773	QC	0.5	41.6	6.6	56	0.1	30.8	12.5	391	2.90	28.8	12.8	2.0	47	0.2	0.8	<0.1	76	1.08	0.060	10
03551	Soil	0.8	96.8	8.6	71	0.1	47.7	22.6	772	4.81	83.9	30.0	2.3	50	0.2	3.4	0.2	119	0.92	0.026	12
REP 03551	QC	0.8	94.2	8.8	72	0.2	46.8	22.5	755	4.79	82.8	24.7	2.2	49	0.2	3.6	0.2	115	0.91	0.027	12
03280	Soil	1.2	68.1	12.6	61	1.2	34.4	13.7	638	2.91	102.8	19.8	1.7	40	0.2	2.8	0.3	82	0.58	0.038	11
REP 03280	QC	1.2	68.2	12.7	60	1.2	33.2	13.8	633	2.95	101.3	20.9	1.7	40	0.2	2.8	0.3	83	0.57	0.037	11
03027	Soil	0.8	50.9	7.1	56	<0.1	35.9	10.3	508	3.27	14.6	7.5	2.9	31	<0.1	1.7	0.1	74	0.44	0.023	12
REP 03027	QC	0.8	53.5	7.1	58	<0.1	36.8	10.8	514	3.42	12.3	7.5	2.9	31	<0.1	1.7	0.1	75	0.43	0.020	12
03035	Soil	0.9	21.6	5.4	67	0.2	14.8	12.8	1065	4.22	74.6	26.7	3.6	37	0.1	14.0	0.1	95	0.72	0.069	13
REP 03035	QC	0.9	21.4	5.4	68	0.2	15.2	13.2	1100	4.29	76.1	28.6	3.6	40	0.1	14.5	0.1	100	0.72	0.071	13
03782	Soil	1.3	54.4	8.0	73	1.2	41.9	14.7	739	3.94	600.5	340.2	2.0	28	0.1	42.0	0.1	84	0.37	0.047	8
REP 03782	QC	1.3	52.9	7.8	70	1.2	41.6	14.6	737	3.91	580.1	327.6	2.1	28	0.1	43.1	0.1	86	0.37	0.046	8
03790	Soil	1.5	31.1	6.9	57	0.4	31.4	11.6	461	3.04	17.2	7.1	1.6	25	0.4	1.5	0.1	79	0.32	0.045	7
REP 03790	QC	1.5	30.1	6.9	54	0.4	30.1	11.6	461	3.04	16.9	8.7	1.6	24	0.3	1.4	0.1	80	0.32	0.045	7
03569	Soil	0.9	62.0	7.7	61	<0.1	36.9	17.0	555	4.10	9.4	6.5	3.4	54	<0.1	0.4	0.1	102	0.69	0.032	15
REP 03569	QC	0.8	58.4	7.4	54	<0.1	33.2	16.1	529	3.70	9.5	4.5	3.1	50	<0.1	0.4	0.1	100	0.63	0.034	14
03577	Soil	0.9	34.9	8.0	57	<0.1	30.2	14.0	410	3.57	15.5	13.0	4.3	42	<0.1	0.5	0.1	89	0.48	0.031	14
REP 03577	QC	0.8	34.9	8.2	58	<0.1	30.4	13.8	404	3.68	16.4	8.6	4.4	42	0.1	0.6	0.1	93	0.50	0.031	14



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
03509	Soil	30	0.39	747	0.069	3	1.21	0.020	0.06	0.1	0.07	5.6	<0.1	<0.05	4	<0.5	<0.2
REP 03509	QC	30	0.38	687	0.067	6	1.21	0.020	0.05	<0.1	0.07	5.9	<0.1	<0.05	4	0.6	<0.2
03515	Soil	32	0.80	288	0.095	4	1.44	0.047	0.09	0.1	0.03	5.9	<0.1	<0.05	4	<0.5	<0.2
REP 03515	QC	32	0.78	276	0.096	3	1.41	0.047	0.09	0.1	0.04	5.5	<0.1	<0.05	4	0.8	<0.2
03273	Soil	50	0.67	451	0.122	1	2.02	0.042	0.05	<0.1	0.04	8.6	<0.1	<0.05	6	<0.5	<0.2
REP 03273	QC	51	0.67	443	0.125	1	1.99	0.041	0.05	0.1	0.04	8.9	<0.1	<0.05	6	<0.5	<0.2
03007	Soil	34	0.63	210	0.090	2	1.60	0.033	0.07	<0.1	0.03	4.3	0.1	<0.05	5	<0.5	<0.2
REP 03007	QC	33	0.61	210	0.090	2	1.57	0.033	0.07	0.1	0.03	4.3	0.1	<0.05	5	<0.5	<0.2
03761	Soil	37	0.54	267	0.097	<1	1.96	0.035	0.04	<0.1	<0.01	4.5	<0.1	<0.05	6	<0.5	<0.2
REP 03761	QC	37	0.52	276	0.099	<1	1.87	0.033	0.04	<0.1	0.01	4.9	<0.1	<0.05	6	<0.5	<0.2
03773	Soil	41	0.77	190	0.113	2	1.82	0.055	0.05	0.1	0.02	7.0	<0.1	<0.05	5	0.6	<0.2
REP 03773	QC	43	0.80	190	0.113	2	1.88	0.057	0.05	0.1	0.03	6.8	<0.1	<0.05	5	<0.5	<0.2
03551	Soil	53	0.83	704	0.081	2	2.18	0.057	0.08	<0.1	0.05	15.2	0.1	<0.05	7	0.7	<0.2
REP 03551	QC	53	0.83	696	0.080	2	2.14	0.055	0.08	0.1	0.05	15.1	0.1	<0.05	7	0.6	<0.2
03280	Soil	40	0.52	457	0.109	1	1.84	0.027	0.07	0.1	0.05	5.5	<0.1	<0.05	7	<0.5	<0.2
REP 03280	QC	39	0.52	439	0.112	1	1.89	0.026	0.07	0.1	0.05	5.6	<0.1	<0.05	7	<0.5	<0.2
03027	Soil	49	0.75	402	0.130	1	2.50	0.024	0.06	<0.1	0.03	10.2	<0.1	<0.05	7	<0.5	<0.2
REP 03027	QC	47	0.74	402	0.134	1	2.42	0.026	0.07	<0.1	0.03	10.2	<0.1	<0.05	7	<0.5	<0.2
03035	Soil	27	0.83	301	0.095	1	2.17	0.029	0.09	0.1	0.04	10.2	0.1	<0.05	8	0.5	<0.2
REP 03035	QC	29	0.84	316	0.100	1	2.14	0.029	0.09	0.2	0.05	10.7	0.1	<0.05	7	<0.5	<0.2
03782	Soil	43	0.69	499	0.060	2	2.77	0.020	0.06	0.2	0.06	6.3	0.1	<0.05	7	<0.5	<0.2
REP 03782	QC	44	0.69	498	0.056	1	2.86	0.021	0.06	0.2	0.07	6.0	0.1	<0.05	7	<0.5	<0.2
03790	Soil	34	0.54	808	0.087	1	1.72	0.023	0.08	0.1	0.01	3.9	<0.1	<0.05	6	<0.5	<0.2
REP 03790	QC	33	0.55	782	0.085	2	1.73	0.027	0.08	0.1	0.02	3.6	<0.1	<0.05	6	<0.5	<0.2
03569	Soil	54	0.78	208	0.156	1	2.19	0.047	0.05	<0.1	0.05	10.0	<0.1	<0.05	7	<0.5	<0.2
REP 03569	QC	51	0.74	194	0.152	2	2.12	0.044	0.04	<0.1	0.06	9.8	<0.1	<0.05	7	<0.5	<0.2
03577	Soil	48	0.73	237	0.131	1	2.69	0.026	0.04	<0.1	0.02	8.0	<0.1	<0.05	7	<0.5	<0.2
REP 03577	QC	48	0.73	244	0.135	2	2.71	0.028	0.05	<0.1	0.03	8.4	0.1	<0.05	8	<0.5	<0.2



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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
03330	Soil	0.6	78.5	7.3	50	0.3	96.2	20.8	432	3.61	129.3	177.4	4.4	58	0.1	0.7	0.1	104	0.84	0.074
REP 03330	QC	0.6	81.7	7.5	53	0.3	98.9	21.1	440	3.77	131.6	20.5	4.5	59	<0.1	0.7	0.1	105	0.85	0.073
03059	Soil	1.0	45.8	7.6	54	0.2	24.6	13.7	391	3.09	269.7	14.1	1.9	26	0.1	0.6	0.1	86	0.38	0.040
REP 03059	QC	0.9	46.2	7.7	55	0.2	25.1	13.9	383	3.06	270.4	12.5	1.9	26	<0.1	0.5	0.1	87	0.38	0.041
03083	Soil	0.9	47.8	7.3	60	0.2	28.3	13.8	501	3.67	440.5	51.3	2.9	39	<0.1	1.0	0.1	85	0.71	0.053
REP 03083	QC	1.0	47.5	7.1	59	0.2	28.2	13.4	498	3.61	433.2	52.6	2.9	38	0.1	1.0	0.1	85	0.71	0.053
03588	Soil	1.6	32.3	8.9	73	0.6	23.5	10.0	436	2.80	27.0	18.9	1.9	43	0.4	2.5	0.1	65	0.67	0.084
REP 03588	QC	1.6	32.8	9.1	74	0.6	24.4	9.8	436	2.86	27.0	18.2	2.0	43	0.4	2.6	0.1	66	0.68	0.086
Reference Materials																				
STD DS9	Standard	14.4	102.5	128.8	310	1.9	43.6	7.6	620	2.49	24.3	204.5	6.0	76	2.2	5.3	6.1	42	0.74	0.080
STD DS9	Standard	14.2	110.4	122.6	296	1.9	42.3	8.1	595	2.37	23.7	105.8	6.9	72	2.1	5.2	6.3	46	0.76	0.077
STD DS9	Standard	12.9	106.6	121.5	310	1.9	40.1	7.8	583	2.34	26.3	131.7	6.6	73	2.5	5.3	6.8	39	0.67	0.084
STD DS9	Standard	13.7	108.8	122.6	316	1.9	39.8	7.7	593	2.48	25.4	112.8	7.5	84	2.4	5.7	6.5	42	0.79	0.081
STD DS9	Standard	13.8	93.5	112.3	292	1.9	38.7	7.3	562	2.28	24.6	114.6	5.6	64	2.3	4.9	5.4	39	0.71	0.078
STD DS9	Standard	13.8	98.7	125.7	294	1.9	41.4	7.3	592	2.35	24.6	117.4	5.8	74	2.2	5.2	5.6	41	0.72	0.082
STD DS9	Standard	14.0	104.8	120.3	315	2.0	42.8	8.2	590	2.42	26.1	125.8	6.1	67	2.2	5.1	5.7	46	0.71	0.076
STD DS9	Standard	14.1	98.9	115.2	306	1.9	41.4	8.0	620	2.44	26.0	124.1	5.9	72	2.5	5.1	5.7	45	0.76	0.078
STD DS9	Standard	13.7	99.1	116.2	298	1.9	41.0	7.8	598	2.41	25.6	117.8	5.8	70	2.2	5.2	5.6	44	0.75	0.080
STD DS9 Expected		12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	4	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
03330	Soil	152	1.53	186	0.126	2	2.66	0.036	0.05	0.1	0.02	9.5	<0.1	<0.05	7	<0.5	<0.2
REP 03330	QC	152	1.47	189	0.122	1	2.69	0.039	0.05	0.1	0.02	9.7	<0.1	<0.05	8	<0.5	<0.2
03059	Soil	38	0.59	149	0.100	2	2.29	0.026	0.06	0.1	0.02	4.2	0.1	<0.05	8	<0.5	<0.2
REP 03059	QC	38	0.59	149	0.096	2	2.34	0.028	0.06	<0.1	0.02	4.5	<0.1	<0.05	7	<0.5	<0.2
03083	Soil	40	0.78	232	0.108	2	2.35	0.038	0.08	0.1	0.03	7.8	<0.1	<0.05	7	<0.5	<0.2
REP 03083	QC	40	0.77	225	0.107	2	2.33	0.040	0.08	0.2	0.03	7.6	<0.1	<0.05	7	<0.5	<0.2
03588	Soil	33	0.59	426	0.069	2	1.75	0.029	0.08	0.1	0.07	6.4	0.2	<0.05	6	0.7	<0.2
REP 03588	QC	34	0.60	426	0.069	2	1.78	0.030	0.08	0.2	0.06	6.6	0.2	<0.05	6	0.6	<0.2
Reference Materials																	
STD DS9	Standard	133	0.70	300	0.121	3	1.07	0.102	0.39	3.2	0.23	3.0	5.7	0.14	5	5.4	5.1
STD DS9	Standard	130	0.65	298	0.126	2	1.00	0.094	0.36	3.0	0.21	2.7	5.6	0.18	5	5.6	5.0
STD DS9	Standard	120	0.62	302	0.112	4	0.88	0.092	0.36	3.0	0.23	2.4	5.3	0.16	5	5.1	4.7
STD DS9	Standard	126	0.62	303	0.124	2	0.98	0.095	0.38	3.1	0.23	2.8	5.5	0.15	5	6.4	5.0
STD DS9	Standard	118	0.62	300	0.101	3	0.94	0.089	0.36	3.2	0.20	2.4	5.7	0.17	5	4.9	5.2
STD DS9	Standard	133	0.62	295	0.112	2	0.95	0.101	0.38	2.9	0.22	2.5	5.4	<0.05	5	5.3	4.9
STD DS9	Standard	134	0.65	308	0.117	3	0.95	0.092	0.37	3.2	0.22	2.7	5.7	0.10	5	5.9	5.1
STD DS9	Standard	129	0.68	311	0.116	2	1.01	0.102	0.39	3.1	0.20	2.8	5.6	0.14	5	6.1	5.2
STD DS9	Standard	126	0.65	319	0.115	2	0.97	0.098	0.36	3.1	0.20	2.7	5.7	0.13	5	5.1	5.2
STD DS9 Expected		121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	4	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Scott Sheldon
Receiving Lab: Canada-Whitehorse
Received: July 11, 2012
Report Date: August 24, 2012
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CERTIFICATE OF ANALYSIS

WHI12000310.1

CLIENT JOB INFORMATION

Project: WELS
Shipment ID:
P.O. Number
Number of Samples: 321

SAMPLE DISPOSAL

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

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

Invoice To: Gorilla Minerals Corp.
1177 West Hastings Street
Suite 2000
Vancouver B.C. V6E 2K3
Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	320	Dry at 60C			WHI
SS80	320	Dry at 60C sieve 100g to -80 mesh			WHI
1DX2	320	1:1:1 Aqua Regia digestion ICP-MS analysis	15	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: WELS
Report Date: August 24, 2012

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CERTIFICATE OF ANALYSIS

WHI12000310.1

	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01	0.001
03590	Soil																							
03591	Soil																							
03592	Soil																							
03593	Soil																							
03594	Soil																							
03595	Soil																							
03596	Soil																							
03597	Soil																							
03598	Soil																							
03599	Soil																							
03600	Soil																							
03601	Soil																							
03602	Soil																							
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03608	Soil																							
03609	Soil																							
03610	Soil																							
03611	Soil																							
03334	Soil																							
03335	Soil																							
03336	Soil																							
03337	Soil																							
03338	Soil																							
03339	Soil																							
03340	Soil																							
03341	Soil																							



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CERTIFICATE OF ANALYSIS

WHI12000310.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
03590	Soil	26	0.51	239	0.088	2	1.65	0.021	0.15	0.4	0.03	5.0	0.2	<0.05	6	0.6	<0.2
03591	Soil	36	0.81	394	0.123	2	2.33	0.025	0.13	0.1	0.01	6.0	0.2	<0.05	7	<0.5	<0.2
03592	Soil	21	1.43	895	0.236	1	2.63	0.031	0.42	0.5	0.04	9.8	0.6	<0.05	10	<0.5	<0.2
03593	Soil	26	0.99	404	0.140	1	1.86	0.041	0.21	0.3	0.03	7.0	0.3	<0.05	7	<0.5	<0.2
03594	Soil	32	0.85	203	0.121	2	1.72	0.040	0.16	0.2	0.03	6.0	0.2	<0.05	6	<0.5	<0.2
03595	Soil	72	1.16	412	0.097	3	1.46	0.036	0.06	0.1	0.03	5.5	<0.1	<0.05	4	<0.5	<0.2
03596	Soil	29	0.57	242	0.093	2	1.45	0.038	0.04	0.1	0.04	4.6	<0.1	<0.05	4	<0.5	<0.2
03597	Soil	34	0.53	254	0.084	1	1.53	0.034	0.04	0.1	0.05	5.5	<0.1	<0.05	5	<0.5	<0.2
03598	Soil	30	0.59	298	0.082	2	1.62	0.032	0.05	0.1	0.05	5.3	<0.1	<0.05	5	<0.5	<0.2
03599	Soil	39	0.58	416	0.102	1	1.98	0.030	0.05	0.2	0.03	5.6	<0.1	<0.05	6	<0.5	<0.2
03600	Soil	40	0.60	461	0.090	2	2.03	0.025	0.06	0.2	0.04	5.4	<0.1	<0.05	6	<0.5	<0.2
03601	Soil	106	1.45	591	0.089	3	1.45	0.029	0.06	0.2	0.03	6.1	<0.1	<0.05	5	<0.5	<0.2
03602	Soil	128	2.41	801	0.129	5	1.85	0.034	0.18	0.1	0.03	6.4	<0.1	<0.05	5	<0.5	<0.2
03603	Soil	112	2.92	363	0.181	5	1.81	0.037	0.25	0.1	0.02	4.6	<0.1	<0.05	6	<0.5	<0.2
03604	Soil	36	0.60	237	0.068	<1	1.79	0.017	0.07	<0.1	<0.01	3.2	<0.1	<0.05	6	<0.5	<0.2
03605	Soil	19	0.75	787	0.089	<1	2.67	0.063	0.31	<0.1	0.01	8.7	0.3	<0.05	8	<0.5	<0.2
03606	Soil	24	0.43	401	0.052	2	1.46	0.018	0.08	0.1	0.04	4.1	0.1	<0.05	5	0.7	<0.2
03607	Soil	37	0.66	660	0.063	2	2.08	0.020	0.13	0.2	0.07	7.5	0.2	<0.05	6	0.9	<0.2
03608	Soil	28	0.48	648	0.045	2	1.99	0.028	0.10	0.1	0.06	5.0	0.2	<0.05	7	<0.5	<0.2
03609	Soil	29	0.68	285	0.108	1	2.06	0.020	0.08	0.1	0.02	4.2	0.2	<0.05	7	<0.5	<0.2
03610	Soil	24	1.01	358	0.136	1	2.49	0.021	0.29	<0.1	0.02	6.2	0.4	<0.05	8	<0.5	<0.2
03611	Soil	107	2.99	448	0.275	1	5.11	0.135	0.66	0.4	0.02	15.2	0.7	<0.05	12	<0.5	<0.2
03334	Soil	38	0.60	370	0.102	2	1.56	0.037	0.05	0.1	0.03	5.2	<0.1	<0.05	5	<0.5	<0.2
03335	Soil	41	0.66	580	0.109	2	1.78	0.033	0.06	0.1	0.04	6.8	<0.1	<0.05	5	<0.5	<0.2
03336	Soil	32	0.54	359	0.089	2	1.58	0.029	0.05	0.1	0.05	5.2	<0.1	<0.05	5	<0.5	<0.2
03337	Soil	36	0.58	279	0.102	2	1.60	0.036	0.04	0.1	0.05	6.0	<0.1	<0.05	5	<0.5	<0.2
03338	Soil	33	0.56	220	0.099	2	1.68	0.037	0.04	0.2	0.04	5.3	<0.1	<0.05	5	<0.5	<0.2
03339	Soil	35	0.59	209	0.109	2	1.64	0.038	0.04	0.1	0.03	5.6	<0.1	<0.05	5	<0.5	<0.2
03340	Soil	29	0.57	515	0.076	2	1.67	0.031	0.05	0.3	0.05	6.1	<0.1	<0.05	5	<0.5	<0.2
03341	Soil	55	0.91	426	0.089	3	1.47	0.033	0.07	0.3	0.03	5.7	<0.1	<0.05	5	<0.5	<0.2



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Project: WELS
Report Date: August 24, 2012

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CERTIFICATE OF ANALYSIS

WHI12000310.1

	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
03342	Soil		0.3	29.1	5.6	45	<0.1	71.6	12.4	333	2.39	13.5	6.6	1.2	97	<0.1	3.0	<0.1	54	1.24	0.070	8		
03344	Soil		0.2	26.5	6.2	57	<0.1	377.0	32.0	493	3.16	7.0	6.0	1.7	159	0.2	1.3	<0.1	50	1.26	0.134	7		
03345	Soil		0.3	38.6	6.0	43	0.1	278.4	24.3	447	2.74	6.0	6.3	2.4	161	0.2	0.8	<0.1	51	1.45	0.098	10		
03346	Soil		0.6	34.4	9.0	65	0.2	150.2	21.8	521	3.87	36.9	25.2	5.8	48	0.1	3.7	<0.1	77	0.61	0.053	14		
03347	Soil		0.8	21.2	13.1	74	<0.1	54.7	12.8	388	4.29	128.6	68.4	18.1	21	0.1	7.6	<0.1	72	0.29	0.025	36		
03348	Soil		0.9	18.9	8.6	70	<0.1	24.0	12.4	326	3.69	12.2	2.4	13.8	29	<0.1	0.7	<0.1	84	0.47	0.037	27		
03349	Soil		1.0	17.8	7.4	84	0.1	23.0	12.9	430	3.82	16.7	4.4	4.9	35	0.3	0.7	0.1	80	0.46	0.052	12		
03350	Soil		1.3	15.7	8.9	66	0.1	16.9	10.3	282	3.06	14.3	3.1	6.1	19	0.3	1.5	0.1	68	0.28	0.058	22		
03351	Soil		1.1	23.9	7.7	60	0.2	24.3	10.3	418	3.38	14.5	7.3	2.3	24	0.2	0.9	0.1	72	0.38	0.033	11		
03354	Soil		1.6	24.7	9.3	58	0.2	25.1	13.5	407	3.47	51.8	5.9	2.0	30	0.1	1.3	0.1	79	0.42	0.036	11		
03355	Soil		1.5	18.2	7.9	100	0.1	16.7	9.5	738	2.49	20.7	3.3	1.6	28	0.8	1.4	0.1	55	0.41	0.055	10		
03357	Soil		1.3	27.4	8.5	141	0.1	34.5	12.9	552	4.03	59.3	141.3	2.8	30	0.4	1.6	<0.1	85	0.51	0.060	16		
03358	Soil		0.9	26.5	9.0	82	0.3	19.6	9.0	553	3.53	127.5	32.6	3.0	41	0.2	1.8	<0.1	59	0.72	0.057	22		
03359	Soil		1.1	30.0	7.8	77	0.3	23.0	11.1	941	3.80	28.9	21.3	3.3	33	0.2	0.9	<0.1	66	0.55	0.061	23		
03360	Soil		1.0	22.1	7.4	62	0.2	20.8	10.2	507	3.19	31.6	19.5	2.5	31	0.2	0.7	<0.1	68	0.51	0.045	15		
03362	Soil		1.3	25.1	7.1	51	<0.1	28.4	12.0	520	3.41	12.3	4.4	1.9	24	0.1	0.5	<0.1	86	0.34	0.026	7		
03363	Soil		0.9	23.1	6.4	55	<0.1	30.1	13.6	362	3.61	8.9	1.5	2.2	26	<0.1	0.4	<0.1	80	0.36	0.017	8		
03084	Soil		0.7	37.7	8.5	62	0.1	28.9	14.5	419	3.42	8.4	4.5	4.4	36	0.1	0.5	<0.1	84	0.67	0.050	16		
03085	Soil		0.6	32.8	6.7	51	<0.1	25.5	12.7	358	3.04	7.4	3.7	2.9	33	0.1	0.4	<0.1	80	0.55	0.039	13		
03086	Soil		0.6	39.4	7.1	51	<0.1	27.3	13.2	397	3.06	6.3	4.6	2.7	34	0.1	0.4	<0.1	82	0.65	0.041	14		
03087	Soil		0.6	81.3	7.5	50	0.2	30.3	16.4	533	3.00	8.5	9.5	2.5	38	0.2	0.5	<0.1	80	0.80	0.054	18		
03088	Soil		0.6	62.3	6.3	50	0.1	27.3	12.6	407	3.05	7.0	9.6	2.4	33	0.2	0.4	<0.1	80	0.65	0.040	13		
03089	Soil		0.6	35.0	6.9	46	<0.1	22.2	11.3	263	2.78	6.3	3.3	2.3	29	0.2	0.5	<0.1	77	0.50	0.038	11		
03090	Soil		1.2	32.7	11.9	51	<0.1	27.1	12.3	332	3.00	9.9	5.7	2.5	31	0.1	0.4	<0.1	85	0.54	0.037	11		
03091	Soil		0.9	27.0	9.7	56	0.1	23.8	12.1	404	2.84	10.6	5.8	3.5	30	0.1	0.5	0.1	72	0.53	0.046	15		
03092	Soil		1.3	18.9	10.5	69	0.1	25.6	13.8	449	3.53	42.8	10.9	2.6	27	0.2	0.6	<0.1	90	0.45	0.069	10		
03093	Soil		1.0	25.2	10.4	56	0.1	23.9	10.1	301	2.93	36.2	9.2	2.9	31	0.1	0.8	<0.1	76	0.48	0.037	12		
03094	Soil		0.9	22.1	13.3	68	0.1	27.6	12.0	277	3.34	52.6	21.9	3.7	27	0.1	1.0	0.1	80	0.38	0.032	13		
03095	Soil		1.1	27.5	16.0	62	0.1	26.2	11.7	415	2.88	20.1	7.4	5.6	27	0.1	0.8	0.1	68	0.39	0.027	23		
03096	Soil		1.0	28.3	10.3	57	<0.1	31.9	13.3	277	3.57	11.9	2.5	3.4	25	0.1	0.6	0.2	92	0.32	0.017	12		



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
03342	Soil	58	1.04	360	0.088	3	1.32	0.034	0.06	<0.1	0.04	4.5	<0.1	<0.05	4	<0.5	<0.2
03344	Soil	278	4.89	407	0.109	8	1.60	0.025	0.23	<0.1	0.03	4.4	0.1	<0.05	5	<0.5	<0.2
03345	Soil	149	3.07	383	0.102	8	1.38	0.032	0.18	0.1	0.03	4.2	0.1	<0.05	4	<0.5	<0.2
03346	Soil	105	1.72	279	0.120	3	1.82	0.037	0.16	0.1	0.03	6.7	0.1	<0.05	6	<0.5	<0.2
03347	Soil	60	1.15	222	0.096	1	2.41	0.021	0.29	0.2	0.02	8.8	0.3	<0.05	9	<0.5	<0.2
03348	Soil	40	1.10	207	0.167	1	2.51	0.026	0.28	0.1	<0.01	6.5	0.3	<0.05	10	<0.5	<0.2
03349	Soil	29	0.81	303	0.111	2	3.27	0.028	0.20	0.1	<0.01	5.6	0.3	<0.05	10	<0.5	<0.2
03350	Soil	28	0.73	184	0.117	2	2.10	0.014	0.23	0.2	0.01	4.3	0.2	<0.05	9	0.6	<0.2
03351	Soil	36	0.60	417	0.080	3	2.00	0.016	0.05	<0.1	0.01	5.0	0.1	<0.05	6	<0.5	<0.2
03354	Soil	38	0.66	293	0.093	1	2.09	0.020	0.08	<0.1	0.01	4.4	0.1	<0.05	6	<0.5	<0.2
03355	Soil	23	0.38	267	0.068	3	1.10	0.016	0.13	0.1	0.01	2.5	<0.1	<0.05	4	<0.5	<0.2
03357	Soil	44	0.99	629	0.139	2	2.65	0.019	0.30	0.1	0.02	6.5	0.4	<0.05	8	0.6	<0.2
03358	Soil	28	0.66	343	0.090	1	2.14	0.025	0.26	0.1	0.05	7.0	0.3	<0.05	7	<0.5	<0.2
03359	Soil	35	0.80	294	0.117	1	2.40	0.021	0.19	0.1	0.04	7.5	0.2	<0.05	8	<0.5	<0.2
03360	Soil	33	0.70	252	0.111	2	2.11	0.020	0.08	0.1	0.02	5.0	0.2	<0.05	7	<0.5	<0.2
03362	Soil	41	0.65	312	0.097	1	2.14	0.015	0.05	<0.1	0.02	4.2	0.1	<0.05	7	<0.5	<0.2
03363	Soil	41	0.80	531	0.130	2	2.39	0.020	0.06	<0.1	<0.01	4.5	0.2	<0.05	7	0.5	<0.2
03084	Soil	51	0.91	234	0.126	1	2.58	0.040	0.06	<0.1	0.03	7.3	<0.1	<0.05	8	<0.5	<0.2
03085	Soil	43	0.70	201	0.112	1	2.11	0.029	0.04	<0.1	0.04	6.0	<0.1	<0.05	6	<0.5	<0.2
03086	Soil	47	0.69	215	0.129	<1	2.15	0.028	0.04	0.2	0.03	6.4	<0.1	<0.05	6	0.6	<0.2
03087	Soil	46	0.58	284	0.104	1	2.44	0.028	0.03	0.1	0.07	8.7	<0.1	<0.05	7	0.9	<0.2
03088	Soil	42	0.56	221	0.121	1	2.27	0.027	0.05	<0.1	0.03	6.9	<0.1	<0.05	7	<0.5	<0.2
03089	Soil	38	0.62	224	0.108	1	1.94	0.023	0.03	<0.1	0.01	4.4	<0.1	<0.05	6	<0.5	<0.2
03090	Soil	47	0.65	246	0.123	2	2.17	0.022	0.03	<0.1	<0.01	4.5	<0.1	<0.05	7	<0.5	<0.2
03091	Soil	43	0.77	349	0.101	2	2.30	0.026	0.06	<0.1	0.02	5.3	0.1	<0.05	7	<0.5	<0.2
03092	Soil	38	0.64	204	0.108	2	2.10	0.014	0.05	<0.1	0.02	4.3	<0.1	<0.05	7	<0.5	<0.2
03093	Soil	38	0.58	211	0.100	2	2.04	0.023	0.04	<0.1	0.02	4.7	<0.1	<0.05	6	<0.5	<0.2
03094	Soil	39	0.67	297	0.090	2	2.54	0.015	0.06	<0.1	0.01	4.5	0.1	<0.05	7	<0.5	<0.2
03095	Soil	40	0.53	250	0.089	<1	1.75	0.018	0.05	<0.1	0.03	5.8	<0.1	<0.05	5	<0.5	<0.2
03096	Soil	49	0.66	225	0.110	1	2.69	0.015	0.04	<0.1	0.02	4.9	0.2	<0.05	7	0.7	<0.2



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
03097	Soil																							
03098	Soil																							
03099	Soil																							
03100	Soil																							
03101	Soil																							
03102	Soil																							
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03105	Soil																							
03106	Soil																							
03107	Soil																							
03108	Soil																							
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03851	Soil																							



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
03097	Soil	59	0.88	244	0.103	2	3.08	0.015	0.06	<0.1	0.01	4.0	0.2	<0.05	8	<0.5	<0.2
03098	Soil	41	0.70	220	0.115	1	2.24	0.017	0.11	0.1	<0.01	7.9	0.2	<0.05	6	0.6	<0.2
03099	Soil	42	0.71	210	0.088	2	2.24	0.014	0.07	<0.1	0.01	4.1	0.1	<0.05	6	<0.5	<0.2
03100	Soil	24	0.52	292	0.034	1	1.98	0.014	0.08	<0.1	0.01	5.5	0.1	<0.05	5	<0.5	<0.2
03101	Soil	41	0.73	191	0.105	2	2.47	0.019	0.05	<0.1	0.02	4.1	<0.1	<0.05	6	0.5	<0.2
03102	Soil	41	0.83	250	0.129	1	2.21	0.024	0.08	<0.1	0.03	7.5	0.2	<0.05	7	0.5	<0.2
03103	Soil	52	0.77	221	0.128	2	2.40	0.025	0.08	<0.1	0.03	8.5	0.1	<0.05	7	0.6	<0.2
03104	Soil	14	0.53	185	0.045	2	1.40	0.013	0.16	<0.1	0.01	3.6	0.1	<0.05	5	<0.5	<0.2
03105	Soil	44	0.74	238	0.107	3	2.09	0.031	0.14	0.1	0.05	6.8	<0.1	<0.05	6	0.8	<0.2
03106	Soil	42	0.80	239	0.110	3	2.10	0.032	0.20	<0.1	0.02	6.2	0.1	<0.05	7	0.7	<0.2
03107	Soil	33	0.93	362	0.128	1	2.12	0.038	0.20	0.2	0.04	7.3	0.2	<0.05	7	<0.5	<0.2
03108	Soil	35	0.89	362	0.141	2	2.20	0.044	0.14	0.1	0.01	6.3	0.2	<0.05	7	0.6	<0.2
03833	Soil	54	0.85	251	0.119	2	2.29	0.033	0.06	<0.1	0.02	8.1	<0.1	<0.05	7	<0.5	<0.2
03834	Soil	43	0.68	211	0.105	2	2.06	0.025	0.03	<0.1	0.01	5.7	<0.1	<0.05	6	<0.5	<0.2
03835	Soil	50	0.73	352	0.103	2	2.42	0.027	0.04	0.1	0.04	8.0	<0.1	<0.05	7	<0.5	<0.2
03836	Soil	35	0.46	251	0.071	2	2.31	0.018	0.04	<0.1	0.02	4.2	<0.1	<0.05	7	<0.5	<0.2
03837	Soil	49	0.78	263	0.110	2	2.11	0.027	0.05	0.1	0.03	7.3	<0.1	<0.05	6	<0.5	<0.2
03838	Soil	40	0.66	222	0.104	2	2.27	0.025	0.04	<0.1	0.02	5.2	<0.1	<0.05	6	<0.5	<0.2
03839	Soil	43	0.69	227	0.101	1	2.11	0.026	0.04	<0.1	0.01	6.4	<0.1	<0.05	6	<0.5	<0.2
03840	Soil	38	0.50	146	0.069	2	2.20	0.020	0.06	<0.1	<0.01	3.0	0.1	<0.05	8	<0.5	<0.2
03841	Soil	39	0.61	229	0.075	2	1.84	0.018	0.09	<0.1	0.02	3.8	<0.1	<0.05	6	<0.5	<0.2
03842	Soil	38	0.54	462	0.034	2	2.33	0.019	0.09	0.1	0.10	9.6	0.1	<0.05	6	<0.5	<0.2
03843	Soil	46	0.74	236	0.106	2	2.18	0.028	0.11	<0.1	0.02	6.3	0.1	<0.05	7	<0.5	<0.2
03844	Soil	40	0.69	131	0.084	1	2.09	0.021	0.06	<0.1	<0.01	3.6	0.1	<0.05	6	<0.5	<0.2
03845	Soil	30	0.51	106	0.076	2	1.69	0.023	0.05	0.1	0.02	3.3	<0.1	<0.05	6	<0.5	<0.2
03846	Soil	26	0.52	195	0.063	3	1.33	0.037	0.05	<0.1	0.04	4.3	<0.1	<0.05	4	0.6	<0.2
03848	Soil	42	0.79	214	0.119	3	1.96	0.048	0.07	0.1	0.04	6.6	0.1	<0.05	6	<0.5	<0.2
03849	Soil	49	0.62	238	0.097	2	2.10	0.026	0.09	0.1	0.03	7.4	<0.1	<0.05	6	<0.5	<0.2
03850	Soil	41	0.77	158	0.130	3	1.84	0.051	0.06	<0.1	0.03	6.9	<0.1	<0.05	6	<0.5	<0.2
03851	Soil	47	0.67	305	0.105	2	2.21	0.035	0.07	<0.1	0.02	7.2	<0.1	<0.05	6	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
03852	Soil	1.3	13.8	5.7	46	0.2	12.2	5.4	204	2.00	15.7	4.7	0.5	18	0.7	0.4	0.1	57	0.21	0.021	5
03853	Soil	1.0	40.4	13.5	66	0.8	28.4	10.0	464	2.78	77.4	34.6	2.7	46	0.4	0.9	0.2	54	0.69	0.057	18
03854	Soil	0.5	20.0	7.2	34	0.5	12.4	3.7	112	1.36	29.3	11.0	0.7	28	0.3	0.4	<0.1	32	0.42	0.024	5
03855	Soil	0.7	20.1	9.9	45	0.2	26.1	11.6	382	3.06	73.9	48.4	2.5	30	<0.1	0.7	0.2	72	0.51	0.042	10
03856	Soil	1.8	22.8	18.7	50	0.2	32.3	15.7	708	3.47	157.4	79.7	3.8	30	0.1	1.2	0.2	78	0.43	0.021	13
03857	Soil	1.0	17.9	10.9	52	0.1	21.8	14.0	582	3.10	122.2	57.3	3.2	13	0.2	1.4	0.2	62	0.17	0.030	8
03858	Soil	1.5	30.1	12.9	51	0.1	38.3	14.1	412	3.61	73.7	14.3	4.0	33	<0.1	1.4	0.1	87	0.52	0.029	11
03859	Soil	1.3	24.6	10.8	51	0.1	32.6	12.9	302	3.60	44.8	5.5	2.1	24	<0.1	0.8	0.1	86	0.30	0.027	8
03860	Soil	1.6	19.6	10.1	58	0.1	28.5	16.3	889	3.54	21.6	3.8	1.8	28	0.2	0.6	0.1	85	0.41	0.036	7
03364	Soil	1.0	31.1	9.8	76	0.1	25.4	15.1	661	2.70	24.4	7.8	1.9	29	0.3	1.6	0.1	62	0.30	0.079	9
03365	Soil	0.8	28.8	8.2	55	0.1	30.7	13.5	440	3.42	12.1	4.1	3.1	35	<0.1	0.7	0.1	82	0.45	0.035	15
03366	Soil	2.1	27.3	9.2	56	0.5	32.8	13.9	315	3.96	32.1	11.7	2.4	24	<0.1	1.5	0.1	88	0.27	0.038	9
03367	Soil	1.2	44.2	9.5	57	0.3	26.0	12.3	377	2.95	53.5	23.9	2.1	24	<0.1	3.0	0.1	70	0.30	0.032	10
03368	Soil	1.4	42.6	10.8	61	0.2	27.2	12.4	419	3.68	34.9	26.8	2.2	29	0.1	4.9	0.1	87	0.35	0.042	11
03369	Soil	1.1	26.6	7.9	55	0.1	24.6	12.9	480	3.78	15.5	4.0	1.9	21	<0.1	0.8	0.1	90	0.30	0.048	9
03370	Soil	1.3	40.1	9.4	58	0.3	26.8	14.7	1023	3.25	14.2	9.6	1.9	32	0.2	1.5	0.1	77	0.41	0.048	10
03371	Soil	1.5	47.6	15.6	61	0.4	43.5	13.6	549	3.69	15.8	14.9	2.6	35	<0.1	6.7	0.1	81	0.49	0.046	11
03372	Soil	1.4	41.9	13.8	67	0.4	38.6	13.8	718	3.64	255.1	114.3	2.9	39	<0.1	6.7	0.1	82	0.62	0.041	11
03373	Soil	0.6	26.0	5.8	67	0.1	12.1	10.1	686	3.95	146.0	69.7	4.9	40	0.1	27.2	<0.1	84	1.23	0.072	16
03374	Soil	0.9	41.0	9.5	66	0.6	31.5	12.8	505	3.49	376.7	119.9	2.1	31	0.2	61.2	0.2	81	0.42	0.045	8
03375	Soil	1.1	53.1	9.6	63	0.8	35.8	11.4	450	2.95	544.1	151.6	1.9	26	0.3	92.7	0.2	65	0.32	0.043	8
03376	Soil	1.7	28.7	11.2	57	0.2	25.8	10.2	289	3.26	53.5	5.5	1.4	22	0.2	2.5	0.2	89	0.29	0.029	6
03377	Soil	1.4	43.1	10.5	67	0.3	40.4	17.5	480	3.95	79.7	21.9	3.4	23	0.2	3.3	0.2	83	0.25	0.043	10
03378	Soil	0.5	11.8	4.8	102	<0.1	8.1	9.5	1054	5.31	161.8	35.9	8.7	33	0.1	8.1	<0.1	86	0.54	0.099	19
03379	Soil	1.1	31.7	9.2	59	0.2	27.2	12.9	544	3.57	89.2	40.5	3.7	35	<0.1	9.2	0.2	82	0.47	0.059	17
03380	Soil	0.4	10.0	6.3	60	<0.1	10.9	13.0	978	5.23	258.1	41.4	9.7	24	<0.1	5.4	0.1	113	0.64	0.086	29
03381	Soil	1.0	32.3	11.1	57	0.4	32.0	12.2	596	3.34	83.9	9.9	2.5	32	0.1	5.8	0.1	79	0.44	0.032	11
03382	Soil	0.8	47.2	8.2	72	0.1	39.1	11.4	393	2.36	67.1	1.2	3.5	16	0.1	8.2	0.1	57	0.19	0.020	11
03383	Soil	0.6	77.9	9.1	73	<0.1	64.6	16.3	562	3.70	109.2	5.4	3.2	22	0.1	14.7	0.4	87	0.24	0.034	10
03384	Soil	1.0	40.4	8.8	51	<0.1	33.1	12.4	392	3.30	11.6	14.4	3.2	31	<0.1	1.4	0.1	80	0.37	0.034	15



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
03852	Soil	20	0.27	125	0.066	2	0.86	0.024	0.09	<0.1	0.01	1.7	<0.1	<0.05	5	<0.5	<0.2
03853	Soil	32	0.54	355	0.047	2	2.02	0.025	0.08	<0.1	0.06	7.0	0.1	<0.05	6	<0.5	<0.2
03854	Soil	16	0.22	117	0.049	1	0.84	0.032	0.05	<0.1	0.02	2.1	<0.1	<0.05	4	<0.5	<0.2
03855	Soil	38	0.74	168	0.111	2	1.84	0.030	0.07	0.1	0.01	4.9	0.1	<0.05	6	<0.5	<0.2
03856	Soil	47	0.54	198	0.085	2	2.06	0.021	0.08	0.1	0.02	5.7	0.1	<0.05	7	<0.5	<0.2
03857	Soil	33	0.41	118	0.067	2	1.76	0.023	0.08	0.2	0.01	3.7	0.1	<0.05	6	<0.5	<0.2
03858	Soil	57	0.71	228	0.125	2	2.29	0.026	0.07	0.1	0.02	6.9	<0.1	<0.05	7	<0.5	<0.2
03859	Soil	45	0.67	209	0.092	1	2.41	0.019	0.05	<0.1	<0.01	4.4	<0.1	<0.05	7	<0.5	<0.2
03860	Soil	42	0.62	200	0.083	1	2.14	0.019	0.07	<0.1	<0.01	3.7	0.1	<0.05	7	<0.5	<0.2
03364	Soil	28	0.45	238	0.061	2	1.50	0.014	0.05	<0.1	0.02	4.0	0.1	<0.05	5	0.6	<0.2
03365	Soil	45	0.69	428	0.107	2	2.21	0.030	0.05	<0.1	0.04	8.0	<0.1	<0.05	7	<0.5	<0.2
03366	Soil	48	0.61	360	0.083	2	2.97	0.017	0.05	<0.1	0.04	5.5	0.1	<0.05	8	<0.5	<0.2
03367	Soil	38	0.55	1051	0.059	2	1.86	0.017	0.05	<0.1	0.02	4.9	<0.1	<0.05	6	<0.5	<0.2
03368	Soil	38	0.72	954	0.084	2	2.34	0.018	0.06	0.3	0.02	5.7	0.1	<0.05	8	<0.5	<0.2
03369	Soil	35	0.81	365	0.111	2	2.53	0.014	0.06	0.1	0.02	4.9	<0.1	<0.05	9	<0.5	<0.2
03370	Soil	36	0.68	914	0.087	2	2.37	0.025	0.07	0.1	0.03	6.1	0.1	<0.05	7	<0.5	<0.2
03371	Soil	52	0.78	1009	0.104	2	2.08	0.027	0.10	<0.1	0.02	7.8	<0.1	<0.05	6	<0.5	<0.2
03372	Soil	44	0.66	861	0.098	3	2.02	0.028	0.10	0.6	0.02	7.9	<0.1	<0.05	6	<0.5	<0.2
03373	Soil	17	0.77	598	0.093	4	1.77	0.032	0.30	1.2	0.02	11.8	0.2	<0.05	6	<0.5	<0.2
03374	Soil	36	0.71	504	0.089	3	2.36	0.022	0.07	0.3	0.02	5.9	<0.1	<0.05	7	<0.5	<0.2
03375	Soil	33	0.45	562	0.079	2	1.60	0.020	0.05	0.3	0.04	4.9	<0.1	<0.05	5	<0.5	<0.2
03376	Soil	34	0.41	286	0.097	4	1.83	0.019	0.07	0.1	0.02	3.7	<0.1	<0.05	8	<0.5	<0.2
03377	Soil	49	0.70	216	0.086	3	3.19	0.018	0.06	<0.1	0.03	7.0	0.1	<0.05	7	<0.5	<0.2
03378	Soil	12	1.07	741	0.197	3	2.61	0.042	0.53	0.1	0.01	11.8	0.5	<0.05	10	<0.5	<0.2
03379	Soil	39	0.72	368	0.079	2	2.55	0.023	0.05	0.2	0.05	9.5	0.1	<0.05	7	<0.5	<0.2
03380	Soil	23	1.46	334	0.082	3	2.86	0.015	0.20	0.2	0.01	15.3	0.1	<0.05	11	<0.5	<0.2
03381	Soil	39	0.69	497	0.098	3	2.04	0.025	0.20	0.3	0.01	7.7	<0.1	<0.05	6	<0.5	<0.2
03382	Soil	33	0.35	387	0.053	2	1.42	0.009	0.08	0.5	0.01	5.2	<0.1	<0.05	4	<0.5	<0.2
03383	Soil	72	0.73	436	0.082	4	2.21	0.013	0.12	0.3	<0.01	8.6	0.2	<0.05	5	<0.5	<0.2
03384	Soil	43	0.68	632	0.105	4	2.25	0.023	0.04	<0.1	0.03	8.5	<0.1	<0.05	6	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
03385	Soil	0.9	64.1	10.4	64	0.2	27.3	13.0	1011	3.83	14.9	13.5	2.9	36	<0.1	1.0	0.2	92	0.39	0.045	13
03386	Soil	0.7	26.9	8.6	54	<0.1	27.5	11.3	334	3.14	11.7	5.7	1.7	25	0.1	0.9	0.1	73	0.32	0.065	8
03387	Soil	0.8	27.8	8.1	53	0.1	26.9	11.4	324	3.10	10.9	8.7	1.7	25	0.1	0.9	0.1	73	0.32	0.061	8
03388	Soil	0.5	105.7	9.9	82	0.2	19.5	12.9	1821	4.48	32.6	93.7	3.4	42	<0.1	2.4	0.1	114	0.59	0.148	23
03389	Soil	0.5	87.5	8.7	72	0.2	21.1	11.6	1347	3.81	23.5	55.6	2.7	42	0.1	1.9	0.1	89	0.55	0.124	20
03861	Soil	0.7	78.0	8.7	59	0.2	32.2	15.3	567	3.46	28.5	30.2	2.3	47	0.1	0.8	0.1	86	0.88	0.038	12
03862	Soil	1.6	27.6	8.5	65	0.3	22.7	9.8	538	3.12	60.0	6.6	1.5	47	0.3	1.7	0.2	72	0.65	0.031	8
03865	Soil	1.4	33.1	9.8	62	0.2	45.0	19.4	449	4.16	13.6	2.4	3.0	35	0.1	0.8	0.1	92	0.39	0.045	10
03866	Soil	0.8	43.7	10.0	71	0.8	40.1	18.5	1773	3.41	11.8	2.8	1.9	42	0.6	0.9	0.1	77	0.63	0.026	8
03867	Soil	0.4	54.3	8.0	82	0.1	216.1	30.0	744	3.56	6.1	3.7	1.6	149	0.2	1.5	<0.1	72	1.18	0.178	10
03868	Soil	0.8	43.6	11.1	50	0.2	28.0	12.6	495	3.15	26.6	9.6	2.0	42	0.2	1.3	0.1	80	0.73	0.048	11
03869	Soil	0.8	49.6	11.1	49	<0.1	35.3	14.3	499	3.33	39.7	11.8	2.8	39	<0.1	1.8	0.1	86	0.62	0.026	13
03870	Soil	1.5	54.2	13.4	81	0.4	47.4	17.9	2094	3.54	269.5	38.9	2.2	41	0.2	6.4	0.2	61	0.49	0.047	10
03871	Soil	1.0	32.7	11.2	52	0.2	24.2	8.9	419	2.48	22.1	5.1	1.5	49	<0.1	6.6	0.1	58	0.61	0.045	11
03872	Soil	5.3	45.1	15.0	79	0.2	33.9	13.5	859	2.54	28.8	1.2	2.1	45	2.1	5.5	0.2	53	0.61	0.036	13
03874	Soil	9.3	60.2	17.5	134	0.2	45.7	14.3	676	3.97	47.8	9.0	4.2	42	0.8	9.8	0.2	56	0.46	0.071	17
03875	Soil	1.5	23.0	10.6	41	0.1	17.3	8.7	576	2.30	13.2	1.5	1.1	19	0.1	1.0	0.2	68	0.22	0.035	6
03876	Soil	0.9	62.2	6.5	39	1.3	29.0	10.9	1755	2.40	31.1	30.7	1.3	26	0.2	2.0	0.1	48	0.29	0.049	12
03877	Soil	1.2	46.9	12.4	61	0.3	31.9	11.8	698	3.07	75.3	16.3	2.3	35	0.2	5.0	0.2	77	0.39	0.041	12
03879	Soil	1.0	50.9	8.8	46	0.4	25.2	15.0	1155	3.26	67.8	22.0	2.9	58	<0.1	2.9	0.1	82	1.05	0.043	17
03880	Soil	0.8	37.9	9.7	53	0.4	31.0	12.5	597	3.01	42.1	15.7	2.0	34	0.1	2.2	0.1	74	0.46	0.028	11
03881	Soil	1.0	23.4	11.3	59	0.1	29.8	11.4	563	2.67	18.3	1.4	1.8	25	0.1	2.9	0.1	68	0.31	0.019	8
03882	Soil	1.9	24.7	9.0	71	0.4	20.3	15.5	1487	2.96	9.4	<0.5	1.2	26	0.7	0.7	0.1	69	0.33	0.056	6
03883	Soil	0.7	48.6	9.5	74	0.1	140.9	20.9	625	3.29	5.3	2.5	2.0	97	0.3	0.5	<0.1	73	0.86	0.145	11
03612	Soil	0.9	44.3	11.9	55	0.2	31.8	12.4	466	2.95	19.2	10.2	2.3	42	0.2	1.6	0.2	71	0.77	0.056	13
03613	Soil	0.7	36.9	9.3	55	0.1	27.1	11.7	486	2.78	16.8	6.3	2.2	38	0.1	1.2	0.1	69	0.64	0.062	11
03614	Soil	0.7	34.9	9.1	53	0.1	26.8	12.4	509	2.84	20.9	6.4	2.0	39	0.2	1.4	0.1	70	0.62	0.060	11
03615	Soil	0.8	28.4	11.0	50	0.2	20.3	7.9	287	2.34	18.0	6.6	1.5	34	0.2	1.2	0.1	59	0.45	0.047	10
03616	Soil	0.9	40.2	8.0	54	0.5	26.6	14.4	727	2.69	23.5	12.8	1.1	36	0.2	1.3	0.1	64	0.50	0.065	11
03617	Soil	0.9	39.2	10.0	70	0.2	27.4	11.6	534	2.79	21.2	8.9	1.5	34	0.2	1.9	0.1	65	0.49	0.059	11



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
03385	Soil	36	1.06	1152	0.140	2	3.19	0.017	0.12	0.1	0.02	8.4	0.1	<0.05	9	<0.5	<0.2
03386	Soil	33	0.61	459	0.099	3	2.09	0.016	0.06	0.1	0.02	4.6	<0.1	<0.05	7	<0.5	<0.2
03387	Soil	33	0.63	459	0.099	2	2.20	0.016	0.06	0.1	0.03	4.8	<0.1	<0.05	7	<0.5	<0.2
03388	Soil	19	1.62	3611	0.186	2	3.73	0.018	0.87	0.1	0.02	12.1	0.2	<0.05	10	<0.5	<0.2
03389	Soil	23	1.25	2559	0.144	3	2.96	0.019	0.56	<0.1	0.03	9.2	0.1	<0.05	9	<0.5	<0.2
03861	Soil	39	0.88	218	0.108	3	2.01	0.061	0.05	<0.1	0.04	9.3	<0.1	<0.05	6	<0.5	<0.2
03862	Soil	30	0.56	425	0.065	2	1.61	0.021	0.20	<0.1	0.03	4.7	<0.1	<0.05	6	<0.5	<0.2
03865	Soil	54	0.79	435	0.109	3	3.03	0.023	0.04	<0.1	0.03	6.0	<0.1	<0.05	8	<0.5	<0.2
03866	Soil	44	0.58	737	0.106	3	2.15	0.037	0.09	<0.1	0.02	6.1	<0.1	<0.05	7	<0.5	<0.2
03867	Soil	135	3.14	362	0.152	7	1.82	0.026	0.24	0.1	0.03	5.6	<0.1	<0.05	5	<0.5	<0.2
03868	Soil	39	0.65	239	0.112	3	1.92	0.047	0.06	0.3	0.03	7.1	<0.1	<0.05	6	0.7	<0.2
03869	Soil	46	0.69	283	0.126	2	1.94	0.035	0.06	0.1	0.02	9.4	<0.1	<0.05	5	<0.5	<0.2
03870	Soil	38	0.52	1163	0.053	3	2.08	0.015	0.16	0.1	0.04	9.6	<0.1	<0.05	6	<0.5	<0.2
03871	Soil	33	0.50	369	0.078	3	1.59	0.022	0.06	0.1	0.03	4.8	<0.1	<0.05	5	<0.5	<0.2
03872	Soil	27	0.41	368	0.062	3	1.43	0.024	0.08	0.1	0.04	3.8	<0.1	<0.05	4	<0.5	<0.2
03874	Soil	34	0.55	281	0.060	3	1.63	0.023	0.06	0.4	0.04	7.6	<0.1	<0.05	4	0.9	<0.2
03875	Soil	26	0.33	163	0.088	2	1.23	0.019	0.05	<0.1	<0.01	2.9	<0.1	<0.05	6	<0.5	<0.2
03876	Soil	30	0.29	351	0.045	6	1.86	0.023	0.04	<0.1	0.06	7.1	<0.1	<0.05	5	<0.5	<0.2
03877	Soil	42	0.54	376	0.073	2	2.09	0.016	0.05	0.1	0.04	6.5	<0.1	<0.05	6	<0.5	<0.2
03879	Soil	34	0.69	464	0.086	4	1.80	0.032	0.12	0.3	0.04	8.3	<0.1	<0.05	6	<0.5	<0.2
03880	Soil	39	0.59	641	0.109	3	1.71	0.026	0.08	0.1	0.03	5.7	<0.1	<0.05	5	<0.5	<0.2
03881	Soil	35	0.39	341	0.060	2	1.71	0.019	0.05	<0.1	0.02	4.4	<0.1	<0.05	6	<0.5	<0.2
03882	Soil	28	0.34	201	0.078	2	1.51	0.019	0.09	<0.1	0.01	3.1	<0.1	<0.05	6	<0.5	<0.2
03883	Soil	97	1.97	233	0.139	4	1.93	0.024	0.14	0.2	0.02	4.2	<0.1	<0.05	6	<0.5	<0.2
03612	Soil	40	0.63	648	0.099	1	1.86	0.037	0.06	0.1	0.05	6.7	0.1	<0.05	5	0.5	<0.2
03613	Soil	38	0.67	526	0.098	1	1.78	0.038	0.06	0.1	0.03	5.8	<0.1	<0.05	5	<0.5	<0.2
03614	Soil	38	0.64	505	0.097	1	1.88	0.034	0.05	0.1	0.03	6.1	<0.1	<0.05	5	<0.5	<0.2
03615	Soil	31	0.53	594	0.072	2	1.70	0.027	0.06	0.1	0.03	4.3	0.2	<0.05	6	<0.5	<0.2
03616	Soil	36	0.52	860	0.059	1	2.00	0.025	0.06	0.1	0.06	5.9	0.1	<0.05	7	<0.5	<0.2
03617	Soil	39	0.60	788	0.073	1	1.99	0.020	0.07	0.1	0.03	5.6	0.2	<0.05	6	<0.5	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01	0.001
03618	Soil	1.1	24.2	10.2	75	<0.1	30.0	14.8	616	3.14	31.4	9.4	1.8	27	0.1	2.3	0.1	73	0.39	0.046	8
03619	Soil	0.7	49.2	8.0	54	<0.1	148.0	28.6	542	4.17	28.1	9.7	2.1	37	<0.1	1.2	<0.1	92	0.83	0.142	12
03620	Soil	0.7	48.2	8.1	57	0.1	71.1	17.2	497	3.47	50.1	15.0	2.0	40	0.1	2.1	<0.1	88	0.68	0.094	10
03621	Soil	1.0	68.2	12.3	58	0.2	58.3	14.1	735	3.33	109.5	38.1	2.0	56	0.2	4.4	<0.1	78	1.01	0.070	14
03622	Soil	1.6	63.2	7.7	63	0.1	36.1	14.2	283	3.48	110.1	6.1	1.5	29	0.2	4.3	<0.1	87	0.47	0.030	7
03623	Soil	1.5	58.4	19.1	53	0.2	50.6	18.0	654	3.57	76.1	9.4	2.7	34	0.1	3.4	<0.1	85	0.56	0.039	13
03624	Soil	0.9	57.3	7.9	50	0.1	54.7	20.1	653	4.00	16.5	10.9	2.6	35	<0.1	1.1	<0.1	110	0.76	0.090	14
03625	Soil	1.4	43.5	17.6	64	0.2	62.4	16.9	642	3.47	21.4	14.2	2.6	38	0.2	1.9	<0.1	86	0.57	0.041	13
03626	Soil	2.0	115.3	16.0	52	0.1	74.9	21.4	545	4.06	98.3	33.2	2.9	33	<0.1	8.2	0.1	81	0.44	0.026	12
03627	Soil	1.3	33.4	12.6	61	0.1	35.4	13.9	452	3.11	47.9	8.0	2.3	29	0.1	2.9	0.2	70	0.42	0.051	10
03628	Soil	1.2	49.7	8.0	68	0.3	34.8	12.3	585	3.26	49.0	14.6	3.1	34	0.2	3.2	0.1	74	0.55	0.049	15
03629	Soil	1.3	41.1	7.2	65	0.4	29.7	9.0	515	2.57	32.8	21.1	1.2	57	0.3	4.6	0.1	49	0.89	0.065	11
03630	Soil	1.1	41.3	7.1	56	0.2	33.9	13.2	569	3.39	18.0	5.0	3.0	37	<0.1	1.8	0.1	80	0.55	0.034	13
03631	Soil	1.5	25.8	8.1	48	0.2	29.2	12.6	257	3.60	16.2	5.6	1.8	20	0.1	0.7	0.1	93	0.26	0.024	7
03635	Soil	1.1	34.0	8.0	50	<0.1	28.0	12.7	480	2.70	13.2	6.6	2.0	63	0.1	3.3	0.1	64	1.08	0.051	10
03636	Soil	0.5	34.6	5.2	62	<0.1	27.4	12.5	391	2.86	21.3	8.8	2.4	46	0.2	2.2	<0.1	79	0.95	0.069	11
03638	Soil	0.9	72.8	10.8	69	0.2	37.7	12.5	545	2.61	197.3	57.9	2.1	35	<0.1	6.6	0.1	50	0.94	0.038	10
03639	Soil	1.2	122.8	13.3	94	0.2	91.1	18.8	754	3.94	253.5	38.0	3.7	25	<0.1	9.3	0.3	69	0.41	0.027	14
03640	Soil	1.6	65.3	12.7	66	<0.1	66.5	20.7	1836	3.16	155.9	14.3	3.2	24	0.1	5.5	0.1	73	0.41	0.025	13
03641	Soil	0.5	38.2	5.3	51	<0.1	31.0	13.0	510	2.94	15.3	13.5	2.3	70	0.1	0.7	<0.1	77	2.16	0.078	10
03642	Soil	0.8	37.1	6.7	50	0.1	33.3	12.5	567	2.90	44.9	3.4	1.6	42	0.1	1.2	<0.1	73	0.76	0.059	9
03643	Soil	1.8	87.6	17.0	82	<0.1	50.7	20.3	3165	3.62	253.8	4.9	2.9	41	<0.1	7.4	0.2	55	0.49	0.030	15
03644	Soil	1.4	46.9	10.9	61	0.2	36.2	15.6	1174	3.36	63.5	5.0	2.6	36	<0.1	3.3	0.2	67	0.56	0.033	11
03645	Soil	1.0	45.4	11.3	60	0.2	43.5	15.7	612	3.21	118.0	9.0	3.0	29	0.1	4.6	0.3	66	0.36	0.019	13
03646	Soil	0.3	105.9	14.3	94	<0.1	533.7	48.0	709	3.99	6.7	2.2	2.1	46	0.1	0.4	<0.1	72	0.82	0.135	10
03647	Soil	0.9	30.3	7.6	57	0.1	55.3	17.3	384	3.65	12.6	1.9	2.7	30	0.1	0.9	<0.1	85	0.43	0.034	9
03648	Soil	0.6	111.0	6.1	87	0.2	470.8	50.8	1048	5.44	24.5	11.3	2.0	59	0.1	7.6	<0.1	117	1.02	0.138	12
03649	Soil	1.2	61.3	12.4	96	0.4	47.2	25.8	1516	3.64	185.3	42.5	1.8	30	0.5	3.8	0.3	89	0.38	0.036	8
03653	Soil	0.6	31.1	4.0	37	0.1	22.4	9.5	419	1.98	28.4	10.5	0.9	76	0.1	0.7	<0.1	46	2.03	0.046	6
03654	Soil	1.0	47.7	7.0	58	0.1	30.6	13.6	495	3.58	50.2	17.1	2.4	50	0.1	1.2	0.1	82	0.95	0.028	11



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
03618	Soil	38	0.58	384	0.094	<1	1.92	0.019	0.07	0.1	<0.01	4.3	0.1	<0.05	6	<0.5	<0.2
03619	Soil	109	2.57	301	0.257	1	2.35	0.023	0.67	0.1	<0.01	5.5	0.3	<0.05	8	<0.5	<0.2
03620	Soil	76	1.41	342	0.180	1	2.13	0.027	0.27	0.1	0.02	5.5	0.2	<0.05	7	<0.5	<0.2
03621	Soil	72	0.95	400	0.126	2	2.53	0.030	0.15	0.1	0.07	10.2	0.1	<0.05	7	<0.5	<0.2
03622	Soil	71	0.66	337	0.086	1	1.90	0.023	0.13	0.1	<0.01	5.4	0.1	<0.05	7	<0.5	<0.2
03623	Soil	70	0.78	483	0.122	2	2.01	0.033	0.12	0.1	0.02	9.0	<0.1	<0.05	6	<0.5	<0.2
03624	Soil	76	1.42	350	0.199	2	1.79	0.034	0.27	0.2	0.01	8.9	0.1	<0.05	7	<0.5	<0.2
03625	Soil	70	0.99	408	0.119	2	2.28	0.030	0.08	0.1	0.02	8.1	<0.1	<0.05	7	<0.5	<0.2
03626	Soil	98	0.82	470	0.097	1	2.13	0.020	0.07	0.2	0.02	9.4	0.1	<0.05	6	<0.5	<0.2
03627	Soil	45	0.69	362	0.086	1	2.27	0.021	0.06	0.1	0.01	4.7	0.1	<0.05	6	<0.5	<0.2
03628	Soil	45	0.70	866	0.088	1	2.29	0.030	0.06	<0.1	0.03	8.3	<0.1	<0.05	6	<0.5	<0.2
03629	Soil	34	0.50	299	0.057	2	2.10	0.023	0.05	0.1	0.08	6.8	<0.1	<0.05	5	<0.5	<0.2
03630	Soil	48	0.71	360	0.112	2	2.12	0.037	0.05	<0.1	0.02	8.8	<0.1	<0.05	6	<0.5	<0.2
03631	Soil	42	0.56	242	0.098	<1	2.51	0.017	0.05	<0.1	0.01	4.1	0.1	<0.05	8	<0.5	<0.2
03635	Soil	36	0.67	253	0.098	2	1.55	0.048	0.05	<0.1	0.03	5.1	<0.1	<0.05	5	<0.5	<0.2
03636	Soil	34	0.73	180	0.120	2	1.64	0.055	0.06	0.1	0.02	6.0	<0.1	<0.05	5	<0.5	<0.2
03638	Soil	27	0.44	260	0.064	2	1.12	0.034	0.06	0.2	0.03	5.5	<0.1	<0.05	3	<0.5	<0.2
03639	Soil	56	0.46	399	0.071	2	2.32	0.027	0.08	<0.1	0.08	13.0	<0.1	<0.05	7	<0.5	<0.2
03640	Soil	56	0.40	435	0.067	<1	1.32	0.027	0.06	0.2	0.01	8.9	0.1	<0.05	4	<0.5	<0.2
03641	Soil	34	0.90	163	0.111	2	1.51	0.067	0.08	0.2	0.01	5.1	<0.1	<0.05	5	<0.5	<0.2
03642	Soil	37	0.63	296	0.094	2	1.65	0.037	0.06	0.1	0.03	5.2	<0.1	<0.05	5	<0.5	<0.2
03643	Soil	35	0.46	665	0.035	1	1.76	0.019	0.11	<0.1	0.02	7.2	0.1	<0.05	5	<0.5	<0.2
03644	Soil	41	0.54	641	0.052	1	2.32	0.025	0.11	<0.1	0.02	7.0	0.1	<0.05	6	<0.5	<0.2
03645	Soil	41	0.50	394	0.065	1	1.61	0.018	0.09	<0.1	0.01	6.4	0.1	<0.05	5	<0.5	0.3
03646	Soil	425	5.29	341	0.149	3	2.15	0.019	0.27	<0.1	0.02	7.1	0.4	<0.05	7	<0.5	<0.2
03647	Soil	60	0.82	334	0.112	1	2.66	0.027	0.06	<0.1	<0.01	5.3	0.1	<0.05	7	<0.5	<0.2
03648	Soil	386	3.63	526	0.162	<1	2.56	0.025	0.18	0.1	0.03	14.6	0.3	<0.05	8	<0.5	<0.2
03649	Soil	46	0.66	447	0.076	2	2.26	0.022	0.07	0.3	0.03	6.6	0.2	<0.05	7	<0.5	<0.2
03653	Soil	27	0.54	186	0.058	3	1.21	0.040	0.04	<0.1	0.03	4.7	<0.1	<0.05	4	<0.5	<0.2
03654	Soil	38	0.81	268	0.092	2	2.09	0.058	0.06	<0.1	0.03	8.3	<0.1	<0.05	6	<0.5	<0.2



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15				
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01	0.001	1
03655	Soil					0.8	34.6	6.7	59	0.1	25.2	14.9	537	3.49	36.6	13.1	3.4	38	<0.1	0.7	0.1	74	0.75	0.031	13
03656	Soil					1.5	32.5	7.1	61	<0.1	26.5	17.1	443	3.59	71.7	8.4	2.2	33	0.2	1.2	0.1	86	0.70	0.034	8
03657	Soil					1.6	54.5	8.1	57	0.2	33.9	17.9	417	3.39	12.8	6.9	3.5	22	<0.1	1.4	0.2	75	0.24	0.039	11
03658	Soil					0.6	61.2	9.1	54	<0.1	30.0	15.3	831	3.03	12.6	7.4	2.6	38	<0.1	1.1	0.1	72	0.57	0.041	13
03659	Soil					1.1	29.8	14.7	78	0.1	28.1	15.2	2265	2.63	46.8	2.7	1.9	33	0.2	2.2	0.3	56	0.66	0.078	11
03660	Soil					1.5	36.5	13.7	49	<0.1	26.4	14.4	1204	2.91	15.3	4.1	2.2	19	<0.1	1.8	0.2	53	0.21	0.019	10
03661	Soil					1.1	29.3	9.5	44	<0.1	26.6	13.8	452	2.91	9.3	7.9	1.8	19	<0.1	1.2	0.2	71	0.24	0.034	9
03662	Soil					0.8	42.4	8.2	59	0.1	26.8	16.7	1235	2.79	9.0	11.0	1.8	31	<0.1	1.0	0.1	70	0.46	0.040	11
03663	Soil					0.6	40.9	7.6	49	<0.1	27.4	13.2	664	2.52	10.2	5.7	1.8	34	<0.1	0.8	0.1	66	0.52	0.049	10
03665	Soil					0.6	24.0	7.5	58	<0.1	20.3	13.8	961	2.42	7.8	5.0	1.9	40	0.1	0.5	<0.1	65	0.78	0.060	10
03666	Soil					1.0	40.3	5.9	48	0.1	30.8	18.5	840	3.07	33.7	7.8	1.7	39	<0.1	1.8	0.1	74	0.62	0.069	11
03667	Soil					1.8	27.3	3.6	43	<0.1	19.0	13.5	1656	1.86	18.7	2.3	0.6	88	0.4	0.7	<0.1	44	1.92	0.073	6
03668	Soil					0.5	55.3	6.5	53	0.1	32.9	15.8	475	2.90	12.5	6.5	2.5	57	0.1	1.4	<0.1	75	2.04	0.058	12
03669	Soil					2.4	92.8	8.8	81	0.1	62.7	27.2	1062	4.02	29.1	14.9	2.9	42	0.1	5.1	0.1	79	0.60	0.058	15
03670	Soil					3.3	95.6	12.4	150	0.4	50.7	13.6	503	4.28	86.0	14.8	3.3	85	0.2	10.8	0.2	37	0.32	0.089	18
03671	Soil					2.7	98.1	22.5	106	0.7	71.2	52.2	2585	5.25	294.0	121.9	5.4	29	0.5	4.6	0.1	109	0.77	0.126	20
03672	Soil					0.4	42.3	5.8	50	<0.1	28.1	12.8	497	2.69	10.0	3.0	2.2	60	0.2	0.6	<0.1	72	1.97	0.060	11
03673	Soil					0.5	36.5	6.2	51	0.1	29.6	12.5	465	2.69	8.7	2.9	2.0	49	0.2	0.5	<0.1	71	0.88	0.057	10
03674	Soil					0.4	32.0	4.1	44	<0.1	24.1	10.7	407	2.44	5.5	2.0	1.7	64	0.1	0.3	<0.1	73	2.18	0.067	8
03675	Soil					0.5	35.4	4.8	46	<0.1	28.3	11.2	387	2.56	6.2	2.6	2.0	48	<0.1	0.4	<0.1	75	0.93	0.067	10
03676	Soil					0.5	38.9	4.6	53	<0.1	27.8	13.2	528	2.66	7.3	1.9	1.9	63	0.3	0.4	<0.1	74	2.04	0.072	9
03677	Soil					0.5	33.7	4.4	48	<0.1	25.4	11.7	393	2.61	8.3	5.1	1.8	40	<0.1	0.5	<0.1	75	0.82	0.068	9
03678	Soil					1.3	35.3	4.8	53	<0.1	26.3	20.0	823	3.61	17.1	3.6	1.6	46	0.1	0.8	<0.1	74	0.95	0.064	9
03679	Soil					0.8	37.0	4.7	50	<0.1	26.0	12.7	339	2.69	15.1	4.1	1.9	44	0.2	0.8	<0.1	77	0.90	0.067	10
03680	Soil					0.4	36.8	5.2	47	<0.1	28.6	12.8	423	2.78	8.4	2.6	2.1	46	<0.1	0.5	<0.1	76	0.97	0.057	10
03681	Soil					0.6	32.3	5.6	44	<0.1	23.8	11.1	360	2.50	6.8	1.2	1.6	46	<0.1	0.4	<0.1	69	0.84	0.052	8
03682	Soil					0.5	45.0	5.0	52	<0.1	30.2	14.5	488	2.83	7.5	5.0	1.8	68	0.2	0.5	<0.1	75	2.15	0.064	10
03390	Soil					0.4	28.3	4.7	54	<0.1	28.5	9.4	259	2.09	14.1	9.1	1.7	43	<0.1	1.1	<0.1	61	0.70	0.058	8
03392	Soil					0.8	71.8	7.4	61	0.4	36.2	16.6	800	3.09	30.7	23.1	1.9	54	0.1	1.5	0.1	76	1.39	0.041	11
03393	Soil					0.8	76.4	9.0	52	0.3	33.0	16.0	801	3.09	20.7	28.8	2.3	41	<0.1	1.4	0.1	71	0.77	0.021	13



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
03655	Soil	38	0.76	222	0.085	2	1.83	0.047	0.07	<0.1	0.04	9.2	<0.1	<0.05	5	<0.5	<0.2
03656	Soil	35	0.75	260	0.085	1	2.02	0.037	0.07	0.1	0.03	6.1	<0.1	<0.05	6	<0.5	<0.2
03657	Soil	50	0.61	245	0.083	2	2.74	0.019	0.05	<0.1	0.04	7.9	0.1	<0.05	6	<0.5	<0.2
03658	Soil	45	0.62	911	0.103	3	1.60	0.045	0.05	<0.1	0.20	7.7	<0.1	<0.05	5	<0.5	<0.2
03659	Soil	29	0.36	847	0.062	2	1.33	0.028	0.10	<0.1	0.03	4.4	<0.1	<0.05	4	<0.5	<0.2
03660	Soil	34	0.37	573	0.044	<1	1.34	0.014	0.05	0.1	0.09	4.2	<0.1	<0.05	4	<0.5	<0.2
03661	Soil	41	0.41	487	0.063	1	1.76	0.019	0.05	<0.1	0.04	4.0	<0.1	<0.05	6	<0.5	<0.2
03662	Soil	37	0.55	632	0.090	2	1.75	0.032	0.05	<0.1	0.07	5.6	<0.1	<0.05	5	<0.5	<0.2
03663	Soil	35	0.53	582	0.084	2	1.61	0.029	0.04	<0.1	0.09	5.6	<0.1	<0.05	5	<0.5	<0.2
03665	Soil	32	0.59	212	0.092	2	1.47	0.037	0.06	<0.1	0.04	4.5	<0.1	<0.05	4	<0.5	<0.2
03666	Soil	39	0.64	314	0.092	2	1.62	0.032	0.05	0.1	0.05	5.7	<0.1	<0.05	5	<0.5	<0.2
03667	Soil	19	0.44	289	0.047	4	0.87	0.029	0.03	<0.1	0.04	2.7	<0.1	0.14	3	0.6	<0.2
03668	Soil	34	0.85	229	0.104	2	1.71	0.046	0.09	<0.1	0.04	6.8	<0.1	<0.05	5	0.5	<0.2
03669	Soil	49	0.60	293	0.073	<1	1.90	0.030	0.10	0.2	0.07	9.4	0.1	<0.05	5	0.6	<0.2
03670	Soil	22	0.20	186	0.028	2	0.98	0.011	0.11	<0.1	0.02	6.4	0.1	<0.05	3	2.4	<0.2
03671	Soil	50	2.63	467	0.042	1	3.09	0.014	0.21	0.1	0.04	13.8	0.4	<0.05	7	<0.5	0.3
03672	Soil	33	0.76	192	0.112	2	1.52	0.056	0.07	0.1	0.03	5.3	<0.1	<0.05	4	<0.5	<0.2
03673	Soil	34	0.62	230	0.099	3	1.65	0.044	0.05	<0.1	0.02	5.4	<0.1	<0.05	5	0.6	<0.2
03674	Soil	29	0.77	101	0.102	2	1.31	0.056	0.07	<0.1	0.02	4.5	<0.1	<0.05	4	<0.5	<0.2
03675	Soil	32	0.61	168	0.107	4	1.50	0.045	0.05	0.1	0.02	4.9	<0.1	<0.05	5	<0.5	<0.2
03676	Soil	33	0.79	122	0.110	3	1.38	0.055	0.08	0.1	0.02	4.9	<0.1	<0.05	4	<0.5	<0.2
03677	Soil	33	0.65	139	0.110	2	1.37	0.047	0.05	<0.1	0.03	4.6	<0.1	<0.05	4	<0.5	<0.2
03678	Soil	34	0.64	240	0.097	2	1.48	0.044	0.05	<0.1	0.03	5.0	<0.1	<0.05	4	<0.5	<0.2
03679	Soil	32	0.59	209	0.107	1	1.46	0.041	0.04	0.1	0.02	5.0	<0.1	<0.05	4	<0.5	<0.2
03680	Soil	34	0.70	172	0.111	2	1.59	0.057	0.06	<0.1	0.03	5.0	<0.1	<0.05	5	<0.5	<0.2
03681	Soil	33	0.58	173	0.087	2	1.61	0.044	0.04	<0.1	0.02	4.5	<0.1	<0.05	5	<0.5	<0.2
03682	Soil	34	0.78	152	0.106	3	1.46	0.055	0.05	<0.1	0.02	5.4	<0.1	<0.05	4	<0.5	<0.2
03390	Soil	32	0.69	156	0.099	2	1.35	0.042	0.05	0.1	0.03	4.4	<0.1	0.09	4	<0.5	<0.2
03392	Soil	36	0.66	707	0.099	3	1.66	0.049	0.06	<0.1	0.07	6.4	<0.1	<0.05	5	<0.5	<0.2
03393	Soil	40	0.65	650	0.107	2	1.74	0.049	0.08	<0.1	0.07	7.4	<0.1	<0.05	5	<0.5	<0.2



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Project: WELS
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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01	0.001
03394	Soil																							
03395	Soil																							
03396	Soil																							
03397	Soil																							
03398	Soil																							
03399	Soil																							
03400	Soil																							
03401	Soil																							
03402	Soil																							
03403	Soil																							
03404	Soil																							
03405	Soil																							
03406	Soil																							
03452	Soil																							
03411	Soil																							
03412	Soil																							
03413	Soil																							
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03426	Soil																							



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
03394	Soil	29	0.62	775	0.095	2	1.28	0.042	0.06	0.1	0.08	6.5	<0.1	0.06	4	0.5	<0.2
03395	Soil	37	0.48	1627	0.061	1	1.92	0.015	0.10	<0.1	0.08	8.5	<0.1	<0.05	5	<0.5	<0.2
03396	Soil	39	0.48	706	0.077	2	1.85	0.027	0.06	<0.1	0.02	5.6	<0.1	<0.05	5	<0.5	<0.2
03397	Soil	52	0.64	589	0.127	1	1.90	0.028	0.05	<0.1	0.01	9.5	<0.1	<0.05	5	0.6	<0.2
03398	Soil	43	0.64	917	0.101	1	1.91	0.023	0.05	0.1	0.03	6.0	<0.1	<0.05	6	<0.5	<0.2
03399	Soil	37	0.49	875	0.096	1	1.79	0.021	0.06	0.1	0.04	5.2	<0.1	<0.05	5	<0.5	<0.2
03400	Soil	37	0.55	1074	0.104	1	1.76	0.027	0.05	0.1	0.03	5.4	<0.1	<0.05	5	<0.5	<0.2
03401	Soil	33	0.64	425	0.099	3	1.66	0.040	0.06	<0.1	0.04	6.0	<0.1	<0.05	5	<0.5	<0.2
03402	Soil	38	0.74	305	0.106	2	1.80	0.049	0.06	0.1	0.04	6.2	<0.1	<0.05	5	<0.5	<0.2
03403	Soil	39	0.73	462	0.111	2	1.97	0.041	0.10	<0.1	0.03	7.3	<0.1	<0.05	6	<0.5	<0.2
03404	Soil	39	0.58	380	0.054	2	2.11	0.014	0.10	0.1	0.01	4.0	<0.1	<0.05	6	<0.5	<0.2
03405	Soil	38	0.58	280	0.081	2	2.12	0.030	0.03	0.1	0.01	4.3	0.1	<0.05	7	<0.5	<0.2
03406	Soil	37	0.65	405	0.071	1	2.42	0.033	0.04	0.3	0.03	5.7	0.1	<0.05	7	<0.5	<0.2
03452	Soil	48	0.74	530	0.112	3	2.04	0.033	0.05	0.2	0.04	7.1	<0.1	<0.05	6	<0.5	<0.2
03411	Soil	48	0.72	279	0.111	2	2.66	0.025	0.06	<0.1	0.02	4.7	<0.1	<0.05	8	<0.5	<0.2
03412	Soil	37	0.44	344	0.096	1	1.58	0.016	0.07	<0.1	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
03413	Soil	51	0.74	415	0.120	2	2.33	0.022	0.06	0.2	0.04	6.9	0.1	<0.05	7	<0.5	<0.2
03414	Soil	52	0.77	856	0.118	2	2.25	0.025	0.05	0.2	0.02	6.9	0.1	<0.05	6	<0.5	<0.2
03415	Soil	51	0.71	620	0.130	2	2.08	0.031	0.06	<0.1	0.02	6.6	<0.1	<0.05	6	<0.5	<0.2
03416	Soil	51	0.71	682	0.132	2	2.02	0.036	0.06	<0.1	0.02	6.7	0.1	<0.05	6	<0.5	<0.2
03417	Soil	53	0.73	332	0.145	2	1.76	0.045	0.06	0.1	0.02	9.4	<0.1	<0.05	5	<0.5	<0.2
03418	Soil	48	0.76	362	0.126	2	1.86	0.045	0.06	0.1	0.03	8.5	<0.1	<0.05	6	<0.5	<0.2
03419	Soil	38	0.61	393	0.112	3	1.59	0.037	0.10	0.1	0.02	6.5	<0.1	<0.05	5	<0.5	<0.2
03420	Soil	45	0.71	495	0.122	3	1.82	0.034	0.08	0.1	0.03	5.9	<0.1	<0.05	6	<0.5	<0.2
03421	Soil	43	0.76	334	0.126	3	1.69	0.047	0.06	0.1	0.02	7.1	<0.1	<0.05	5	<0.5	<0.2
03422	Soil	54	0.76	417	0.137	2	2.11	0.029	0.07	0.1	0.02	7.4	<0.1	<0.05	6	<0.5	<0.2
03423	Soil	43	0.74	1015	0.126	3	1.76	0.032	0.06	0.1	0.02	5.8	0.3	<0.05	5	<0.5	<0.2
03424	Soil	48	0.65	852	0.112	2	2.01	0.025	0.05	0.1	0.02	5.7	0.1	<0.05	6	<0.5	<0.2
03425	Soil	50	0.77	385	0.125	3	2.27	0.022	0.04	<0.1	0.02	6.9	<0.1	<0.05	6	<0.5	<0.2
03426	Soil	45	0.73	640	0.116	2	2.35	0.025	0.04	<0.1	0.02	5.1	<0.1	<0.05	7	<0.5	<0.2



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2
03427	Soil				1.4	30.3	12.2	53	0.3	27.7	11.7	354	3.29	27.3	7.9	1.8	24	<0.1	1.1	0.1	87
03428	Soil				1.3	38.0	10.2	63	0.1	34.7	15.0	475	3.95	57.0	17.6	2.1	25	<0.1	2.9	0.2	101
03429	Soil				1.3	26.9	7.0	53	<0.1	20.3	10.0	349	2.66	69.2	13.1	1.6	14	0.2	3.1	0.2	72
03430	Soil				1.5	25.7	6.5	39	0.2	15.5	10.7	678	2.12	18.7	5.2	0.8	15	0.1	1.4	0.1	54
03431	Soil				0.9	79.9	11.0	82	0.3	39.1	13.9	724	3.02	190.7	140.7	2.0	31	0.1	17.2	0.2	72
03432	Soil				0.8	54.7	11.6	68	0.2	32.3	12.2	622	2.95	149.0	82.9	2.6	29	<0.1	22.6	0.2	74
03433	Soil				0.9	41.1	10.5	66	<0.1	33.1	15.1	601	3.47	66.2	17.4	2.4	25	0.1	7.5	0.2	86
03434	Soil				0.9	44.3	11.9	73	<0.1	33.9	13.8	716	3.02	65.9	13.5	2.1	25	0.2	8.2	0.1	75
03435	Soil				1.1	49.6	16.8	62	<0.1	35.3	13.3	655	3.21	31.6	10.3	2.7	29	<0.1	4.1	0.2	81
03436	Soil				1.8	33.0	11.5	95	0.1	32.2	15.4	932	4.10	62.3	14.9	2.2	24	0.1	4.4	0.2	97
03437	Soil				1.3	36.0	10.7	63	0.1	34.4	15.8	756	3.81	22.1	2.9	2.2	17	0.2	2.3	0.1	93
03438	Soil				1.3	35.1	10.4	60	0.1	37.6	13.8	549	3.61	21.2	4.3	2.4	24	<0.1	2.5	0.1	85
03439	Soil				1.4	55.3	9.3	71	<0.1	44.1	17.4	429	4.02	26.7	5.5	2.9	22	<0.1	2.7	0.2	95
03440	Soil				1.7	48.6	12.3	60	0.2	28.9	12.1	540	3.43	18.8	4.6	2.2	18	<0.1	3.8	0.2	94
03683	Soil				0.9	59.9	15.6	63	0.7	31.4	12.0	742	2.58	278.4	75.2	3.7	22	<0.1	25.1	0.2	50
03684	Soil				1.3	41.3	12.4	57	0.1	29.2	12.1	930	2.95	50.7	24.7	2.1	28	0.1	5.3	0.1	78
03685	Soil				0.9	54.7	13.0	69	0.1	35.4	13.5	830	2.94	65.4	20.0	2.5	30	<0.1	8.3	0.1	75
03686	Soil				1.0	39.8	15.9	68	<0.1	35.6	15.2	540	3.61	65.8	15.2	2.6	28	<0.1	6.3	<0.1	95
03687	Soil				1.1	32.3	11.6	57	<0.1	31.1	13.4	377	3.46	63.2	9.3	2.4	26	<0.1	2.6	0.1	99
03688	Soil				1.4	45.0	17.8	50	0.1	38.3	13.5	465	3.60	29.3	6.9	3.2	33	<0.1	1.7	<0.1	100
03689	Soil				1.3	39.9	11.9	46	0.2	24.2	9.7	453	2.45	35.8	5.3	2.3	34	<0.1	2.7	<0.1	65
03690	Soil				0.7	68.9	10.9	51	0.3	42.7	13.1	518	2.88	18.8	6.9	2.1	37	0.4	1.7	<0.1	73
03691	Soil				0.5	35.9	10.3	55	<0.1	34.7	16.8	557	3.15	12.8	9.3	2.7	43	0.1	1.0	<0.1	79
03692	Soil				1.6	91.7	22.2	159	0.5	93.4	28.9	1637	4.34	104.8	16.5	7.5	24	0.5	5.6	<0.1	55
03693	Soil				1.6	42.2	18.0	72	0.2	39.1	14.5	595	3.43	86.4	8.4	3.1	26	<0.1	3.3	<0.1	78
03694	Soil				0.9	48.7	11.3	50	0.2	35.0	13.3	511	3.47	30.5	9.6	2.9	36	<0.1	1.9	0.2	93
03695	Soil				1.4	41.2	13.6	38	0.3	21.9	9.3	279	2.69	53.4	14.0	3.1	29	0.1	4.8	0.1	70
03696	Soil				1.3	47.8	17.4	49	0.1	36.6	13.3	488	3.42	25.0	8.5	3.1	33	<0.1	1.8	<0.1	95
03697	Soil				1.0	43.8	10.8	53	0.2	36.6	15.0	563	3.71	24.8	8.4	3.4	37	<0.1	1.4	0.1	98
03698	Soil				1.2	69.2	15.3	61	<0.1	30.5	11.0	290	2.73	35.9	6.2	4.1	25	<0.1	4.6	0.1	62



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
03427	Soil	42	0.65	403	0.100	2	2.40	0.018	0.05	<0.1	0.02	4.9	0.1	<0.05	8	<0.5	<0.2
03428	Soil	47	0.74	484	0.117	3	2.51	0.017	0.05	0.1	0.01	5.4	0.2	<0.05	8	<0.5	<0.2
03429	Soil	29	0.36	208	0.096	2	1.42	0.016	0.04	0.1	0.01	3.0	0.1	<0.05	6	<0.5	<0.2
03430	Soil	24	0.27	207	0.071	2	1.07	0.023	0.05	<0.1	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
03431	Soil	48	0.61	573	0.098	2	1.99	0.017	0.08	0.2	0.03	6.7	0.1	<0.05	6	<0.5	<0.2
03432	Soil	43	0.68	412	0.126	3	1.75	0.023	0.08	0.2	0.02	6.2	<0.1	<0.05	6	<0.5	<0.2
03433	Soil	47	0.70	257	0.125	2	2.10	0.018	0.08	0.1	0.01	4.8	<0.1	<0.05	7	<0.5	<0.2
03434	Soil	42	0.63	390	0.111	4	1.81	0.018	0.08	0.1	0.02	4.6	<0.1	<0.05	6	<0.5	<0.2
03435	Soil	51	0.70	470	0.117	2	2.13	0.019	0.06	<0.1	0.03	7.1	<0.1	<0.05	7	<0.5	<0.2
03436	Soil	51	0.70	315	0.102	2	2.55	0.015	0.08	<0.1	0.02	4.4	<0.1	<0.05	8	<0.5	<0.2
03437	Soil	50	0.70	377	0.099	3	2.84	0.014	0.05	<0.1	0.02	4.5	0.1	<0.05	8	<0.5	<0.2
03438	Soil	43	0.68	396	0.096	2	2.60	0.019	0.05	<0.1	0.02	4.7	0.1	<0.05	8	<0.5	<0.2
03439	Soil	53	0.77	321	0.104	2	3.17	0.022	0.06	<0.1	0.03	5.6	0.1	<0.05	8	<0.5	<0.2
03440	Soil	41	0.37	239	0.067	<1	2.37	0.014	0.05	<0.1	0.04	5.3	0.1	<0.05	8	<0.5	<0.2
03683	Soil	31	0.34	196	0.072	1	1.23	0.017	0.05	<0.1	0.02	4.8	<0.1	<0.05	3	<0.5	<0.2
03684	Soil	42	0.49	301	0.092	<1	1.95	0.018	0.05	0.1	0.03	4.4	<0.1	<0.05	6	<0.5	<0.2
03685	Soil	48	0.68	605	0.125	<1	1.91	0.023	0.09	<0.1	0.02	5.5	0.1	<0.05	6	<0.5	<0.2
03686	Soil	55	0.73	461	0.132	1	2.51	0.024	0.05	<0.1	0.02	5.7	0.1	<0.05	7	<0.5	<0.2
03687	Soil	49	0.73	664	0.122	<1	2.33	0.020	0.04	0.1	0.02	5.5	0.1	<0.05	7	<0.5	<0.2
03688	Soil	60	0.80	510	0.143	1	2.36	0.032	0.05	<0.1	0.02	8.6	<0.1	<0.05	6	<0.5	<0.2
03689	Soil	34	0.42	691	0.097	2	1.31	0.030	0.06	0.1	0.02	4.6	0.3	<0.05	4	<0.5	<0.2
03690	Soil	37	0.53	830	0.100	1	1.57	0.042	0.04	0.1	0.04	6.0	0.1	<0.05	4	<0.5	<0.2
03691	Soil	40	0.82	508	0.112	1	1.54	0.055	0.07	0.1	0.04	6.7	<0.1	<0.05	4	<0.5	<0.2
03692	Soil	30	0.37	1234	0.015	<1	1.26	0.015	0.08	<0.1	0.13	12.8	0.4	<0.05	3	<0.5	<0.2
03693	Soil	43	0.46	830	0.110	2	1.69	0.023	0.07	0.1	0.02	6.4	0.3	<0.05	5	<0.5	<0.2
03694	Soil	51	0.74	676	0.139	<1	2.18	0.041	0.05	<0.1	0.03	9.0	0.2	<0.05	6	<0.5	<0.2
03695	Soil	38	0.44	789	0.104	<1	1.51	0.026	0.06	<0.1	0.01	5.5	0.3	<0.05	4	1.1	<0.2
03696	Soil	54	0.71	728	0.139	<1	2.20	0.035	0.06	0.1	0.02	8.6	0.2	<0.05	6	<0.5	<0.2
03697	Soil	54	0.77	632	0.138	<1	2.43	0.041	0.05	<0.1	0.03	8.6	0.2	<0.05	7	<0.5	<0.2
03698	Soil	32	0.33	379	0.097	<1	1.31	0.019	0.04	<0.1	0.01	4.2	0.5	<0.05	4	0.6	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001	ppm 1
03699	Soil	0.6	46.6	9.0	54	0.1	26.8	11.6	415	3.01	40.2	19.8	3.4	30	<0.1	3.2	<0.1	75	0.43	0.031	14
03700	Soil	0.7	35.7	8.5	54	<0.1	26.5	11.0	416	3.12	31.9	6.9	2.7	33	<0.1	1.8	<0.1	83	0.55	0.045	12
03701	Soil	0.9	42.3	12.0	58	0.2	30.8	12.5	485	3.17	32.6	9.4	2.8	38	0.2	2.0	<0.1	84	0.62	0.059	14
03702	Soil	0.8	33.0	9.0	57	0.1	27.4	11.6	460	3.07	30.5	15.1	2.4	35	0.2	2.2	<0.1	83	0.57	0.058	13
03703	Soil	1.0	36.2	9.5	55	0.1	27.7	12.7	505	3.19	28.2	11.1	2.3	33	<0.1	2.6	<0.1	90	0.54	0.048	12
03704	Soil	1.1	39.1	9.8	62	0.3	26.1	12.7	775	3.04	27.9	8.9	1.9	32	0.3	2.4	<0.1	86	0.53	0.043	12
03705	Soil	1.2	50.2	10.8	64	0.3	34.9	15.5	752	3.21	48.1	16.7	2.1	34	0.2	4.5	<0.1	82	0.51	0.045	13
03706	Soil	1.6	86.4	9.3	79	0.8	45.9	19.3	1084	3.55	104.7	69.9	1.9	34	0.5	10.8	0.1	81	0.51	0.059	13
03707	Soil	1.3	64.5	15.4	65	0.2	38.4	15.1	723	3.34	54.7	19.6	2.8	36	0.2	6.7	0.1	84	0.50	0.047	16
03708	Soil	1.0	52.7	14.9	56	0.1	34.3	13.7	714	3.26	45.3	18.3	2.5	33	0.1	3.2	<0.1	86	0.50	0.035	13
03709	Soil	1.1	46.4	12.8	56	<0.1	32.1	13.2	825	3.03	75.1	28.7	2.5	33	<0.1	3.6	<0.1	80	0.48	0.031	12
03710	Soil	0.9	39.2	10.4	56	0.1	27.4	11.0	728	2.70	64.5	17.6	1.9	26	0.2	5.7	<0.1	70	0.41	0.040	10
03711	Soil	1.1	48.6	11.6	57	<0.1	34.2	16.9	1177	3.13	45.5	12.2	2.5	31	<0.1	4.7	<0.1	83	0.43	0.031	13
03712	Soil	1.1	45.1	10.2	56	<0.1	33.8	14.5	739	3.19	41.9	19.8	2.5	27	<0.1	5.6	<0.1	83	0.42	0.034	12
03713	Soil	1.1	36.7	10.3	54	<0.1	28.6	12.5	751	2.92	26.6	8.4	2.2	24	<0.1	3.0	<0.1	77	0.38	0.032	11
03884	Soil	0.7	21.9	4.5	18	0.6	6.7	3.6	577	0.70	6.2	21.3	<0.1	24	0.1	0.4	<0.1	21	0.33	0.051	4
03885	Soil	1.2	27.0	9.0	52	0.3	38.1	15.1	447	3.57	18.3	3.2	2.0	23	<0.1	0.6	<0.1	96	0.33	0.023	8
03886	Soil	1.2	41.8	11.3	84	0.5	38.7	15.1	1450	3.52	18.3	5.8	2.4	50	0.1	0.9	<0.1	95	1.08	0.035	8
03887	Soil	1.3	41.3	8.5	36	0.7	25.8	11.1	1120	2.24	16.5	7.6	1.3	22	0.1	0.8	0.1	56	0.26	0.016	8
03888	Soil	1.9	47.0	14.9	59	0.4	30.3	18.3	960	2.80	48.3	8.4	2.7	23	0.2	1.1	0.2	62	0.33	0.018	7
03889	Soil	1.1	27.6	10.9	52	0.2	30.0	12.8	704	2.77	29.9	2.8	1.6	31	0.2	0.6	0.1	68	0.54	0.023	7
03890	Soil	1.9	70.9	9.7	76	0.3	50.4	15.8	1452	3.16	183.1	5.0	2.0	15	0.2	3.9	0.2	41	0.19	0.017	10
03891	Soil	0.6	49.3	12.0	60	0.1	34.8	13.6	545	3.41	118.3	43.2	3.5	26	<0.1	0.9	0.1	65	0.55	0.011	15
03892	Soil	1.9	56.3	14.3	60	0.2	35.4	13.4	879	3.00	131.6	34.1	2.2	31	0.1	1.5	0.2	65	0.57	0.030	10
03893	Soil	0.6	42.7	6.1	56	0.1	31.5	12.8	479	2.65	15.3	5.5	2.1	43	0.1	0.5	<0.1	73	0.91	0.061	10
03894	Soil	0.5	37.5	6.1	60	0.1	27.5	10.7	421	2.46	8.9	3.9	1.6	49	0.3	0.5	<0.1	63	1.13	0.061	8
03895	Soil	0.6	36.8	9.3	51	0.1	24.9	10.8	407	2.69	16.7	8.0	1.9	37	0.1	0.6	<0.1	72	0.68	0.049	10
03896	Soil	0.6	48.1	8.0	57	0.2	32.6	12.7	541	2.94	13.8	4.8	2.3	42	0.1	0.6	<0.1	74	0.77	0.052	10
03897	Soil	0.8	52.0	11.5	56	0.2	31.8	13.6	628	3.16	42.4	23.1	2.3	35	0.1	0.9	0.1	84	0.61	0.040	12
03898	Soil	0.9	48.9	13.7	60	0.2	37.4	17.2	893	3.16	30.2	19.0	2.1	35	<0.1	1.6	0.1	82	0.60	0.035	12



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
03699	Soil	42	0.50	475	0.120	<1	1.74	0.025	0.05	<0.1	0.01	5.2	0.2	<0.05	5	0.5	<0.2
03700	Soil	44	0.63	775	0.126	1	1.91	0.032	0.05	<0.1	0.02	5.3	<0.1	<0.05	6	<0.5	<0.2
03701	Soil	47	0.70	887	0.124	1	2.12	0.038	0.05	<0.1	0.02	6.9	<0.1	<0.05	6	<0.5	<0.2
03702	Soil	42	0.67	683	0.116	<1	2.05	0.029	0.06	0.1	0.03	6.1	<0.1	<0.05	6	<0.5	<0.2
03703	Soil	45	0.69	736	0.124	<1	2.34	0.027	0.04	0.1	0.03	6.1	0.1	<0.05	7	<0.5	<0.2
03704	Soil	43	0.58	722	0.119	<1	1.97	0.024	0.06	<0.1	0.02	6.0	0.1	<0.05	7	<0.5	<0.2
03705	Soil	49	0.65	638	0.108	1	2.35	0.023	0.06	0.1	0.02	6.7	0.1	<0.05	7	<0.5	<0.2
03706	Soil	54	0.65	566	0.098	<1	2.79	0.025	0.08	0.1	0.05	8.3	0.1	<0.05	8	<0.5	<0.2
03707	Soil	47	0.65	578	0.112	<1	2.05	0.023	0.07	0.1	0.03	6.9	0.1	<0.05	6	<0.5	<0.2
03708	Soil	51	0.65	575	0.121	<1	2.36	0.025	0.05	<0.1	0.02	7.2	<0.1	<0.05	7	<0.5	<0.2
03709	Soil	46	0.63	334	0.122	<1	1.87	0.026	0.05	<0.1	0.02	5.9	<0.1	<0.05	6	<0.5	<0.2
03710	Soil	37	0.51	265	0.101	<1	1.78	0.023	0.06	<0.1	0.01	4.3	<0.1	<0.05	6	<0.5	<0.2
03711	Soil	49	0.60	306	0.118	<1	1.86	0.024	0.04	<0.1	0.02	6.3	<0.1	<0.05	6	<0.5	<0.2
03712	Soil	44	0.66	319	0.117	<1	2.11	0.019	0.05	<0.1	<0.01	4.9	<0.1	<0.05	7	<0.5	<0.2
03713	Soil	41	0.55	206	0.120	<1	1.77	0.018	0.05	<0.1	0.02	4.4	<0.1	<0.05	6	<0.5	<0.2
03884	Soil	11	0.10	265	0.025	<1	0.42	0.025	0.03	<0.1	0.03	1.0	<0.1	<0.05	2	<0.5	<0.2
03885	Soil	51	0.67	435	0.106	<1	2.54	0.020	0.03	<0.1	0.02	4.5	0.1	<0.05	7	<0.5	<0.2
03886	Soil	56	0.63	938	0.125	1	2.42	0.030	0.07	<0.1	0.02	6.6	<0.1	<0.05	7	<0.5	<0.2
03887	Soil	28	0.32	819	0.049	<1	1.25	0.017	0.02	<0.1	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
03888	Soil	39	0.45	532	0.068	1	1.45	0.011	0.07	<0.1	0.02	5.1	<0.1	<0.05	4	<0.5	<0.2
03889	Soil	36	0.48	458	0.062	1	1.45	0.020	0.07	<0.1	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
03890	Soil	17	0.21	745	0.008	1	0.95	0.008	0.11	0.6	0.02	4.6	<0.1	<0.05	3	<0.5	0.2
03891	Soil	35	0.61	481	0.048	1	1.58	0.032	0.07	0.1	0.04	7.2	<0.1	<0.05	5	<0.5	<0.2
03892	Soil	32	0.49	501	0.053	1	1.49	0.028	0.04	0.2	0.04	6.1	<0.1	<0.05	4	<0.5	<0.2
03893	Soil	32	0.68	219	0.090	2	1.34	0.038	0.06	0.2	0.02	4.7	<0.1	<0.05	4	<0.5	<0.2
03894	Soil	30	0.62	289	0.084	3	1.33	0.036	0.06	0.1	0.03	4.6	<0.1	<0.05	4	<0.5	<0.2
03895	Soil	36	0.61	356	0.092	1	1.57	0.034	0.04	0.1	0.03	5.4	<0.1	<0.05	5	<0.5	<0.2
03896	Soil	39	0.70	295	0.099	2	1.51	0.040	0.05	0.1	0.02	5.6	<0.1	<0.05	5	<0.5	<0.2
03897	Soil	41	0.67	394	0.098	2	1.64	0.043	0.03	0.1	0.03	7.2	<0.1	0.08	5	<0.5	<0.2
03898	Soil	42	0.62	437	0.093	2	1.73	0.038	0.04	0.1	0.04	7.5	<0.1	0.07	5	<0.5	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
03899	Soil	0.5	56.0	8.2	56	0.1	33.4	15.9	794	3.13	18.8	8.5	2.3	39	<0.1	0.8	<0.1	82	0.66	0.051	11
03900	Soil	1.9	60.0	18.6	57	0.7	44.5	16.0	1201	3.28	90.8	20.9	2.5	27	0.1	2.5	0.2	76	0.37	0.016	13
03901	Soil	1.2	40.7	12.4	52	0.3	36.0	15.9	775	3.35	30.0	5.5	2.3	38	0.1	1.2	0.1	81	0.77	0.020	11
03904	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.
03112	Soil	0.6	38.4	5.0	45	<0.1	27.5	12.2	447	2.51	6.9	1.6	1.6	37	<0.1	0.4	<0.1	72	0.72	0.060	9
03113	Soil	0.5	35.3	6.5	59	0.1	60.6	14.9	601	2.64	15.2	10.2	1.6	55	0.1	1.3	<0.1	66	0.94	0.065	8
03114	Soil	1.9	38.2	6.1	60	0.1	46.8	20.2	704	3.42	47.6	5.6	2.4	49	0.3	1.7	<0.1	83	0.97	0.074	11
03115	Soil	1.0	74.4	14.5	72	0.4	53.2	21.1	1351	3.29	42.2	22.3	2.2	58	0.2	2.1	0.1	75	1.86	0.046	12
03116	Soil	0.5	58.2	6.5	43	0.3	31.1	11.8	500	2.31	16.3	12.8	1.3	177	0.1	1.3	<0.1	61	8.47	0.050	8
03117	Soil	1.7	55.9	14.8	70	0.4	45.6	19.0	1132	3.63	26.9	2.2	2.9	35	<0.1	2.4	0.1	88	0.60	0.026	12
03118	Soil	2.5	48.0	14.0	84	0.7	58.2	14.7	4116	2.88	166.6	8.3	2.7	38	0.2	5.0	0.1	64	0.49	0.040	10
03119	Soil	1.5	58.7	18.9	104	0.2	63.0	17.3	1232	3.32	39.5	6.0	2.7	29	0.1	3.3	0.1	71	0.51	0.033	7
03120	Soil	1.0	29.7	14.6	53	0.1	30.4	12.3	401	3.22	14.0	4.3	1.9	28	<0.1	0.9	0.2	93	0.42	0.027	7
03121	Soil	0.9	29.8	12.6	56	<0.1	25.0	11.2	413	2.64	10.7	8.1	1.9	30	<0.1	0.7	0.1	81	0.47	0.043	8
03122	Soil	1.2	42.6	15.8	71	0.4	31.6	14.5	904	3.13	30.9	19.3	2.4	35	0.3	1.0	0.2	87	0.53	0.046	10
03123	Soil	0.5	40.9	6.9	58	0.1	29.1	12.5	480	2.90	11.0	9.2	2.2	35	0.1	0.6	<0.1	80	0.68	0.065	10
03124	Soil	1.5	51.5	15.3	66	0.2	32.7	13.7	1287	2.85	34.9	41.0	4.4	33	0.2	1.1	0.1	70	0.51	0.037	14
03125	Soil	1.2	44.6	16.2	55	0.3	33.1	14.6	784	3.37	50.8	33.2	4.5	31	0.1	0.9	0.1	88	0.49	0.023	16
03126	Soil	2.3	61.3	17.8	71	0.4	38.6	14.4	1122	3.38	85.6	121.5	5.0	40	0.1	1.3	0.2	71	0.76	0.029	15
03127	Soil	0.3	10.1	6.8	68	0.1	8.0	10.0	549	4.64	198.7	44.8	5.9	35	<0.1	0.8	<0.1	78	0.49	0.053	18
03128	Soil	2.9	121.1	22.6	80	0.2	47.2	13.5	1785	3.29	152.2	25.8	6.1	21	<0.1	2.6	0.3	45	0.24	0.021	20



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
03899	Soil	37	0.72	456	0.100	2	1.46	0.052	0.04	0.1	0.02	5.8	<0.1	<0.05	4	<0.5	<0.2
03900	Soil	41	0.48	1059	0.043	1	1.89	0.017	0.06	0.1	0.03	7.3	<0.1	<0.05	6	<0.5	<0.2
03901	Soil	46	0.60	1511	0.072	2	1.92	0.019	0.10	<0.1	0.02	7.1	<0.1	0.09	6	<0.5	<0.2
03904	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.
03112	Soil	32	0.59	169	0.082	2	1.41	0.030	0.04	0.1	0.02	4.5	<0.1	0.07	4	<0.5	<0.2
03113	Soil	58	1.04	225	0.089	3	1.42	0.036	0.05	0.1	0.03	5.0	<0.1	0.12	5	0.5	<0.2
03114	Soil	42	0.74	288	0.096	3	1.47	0.038	0.05	0.2	0.02	5.7	<0.1	<0.05	5	0.6	<0.2
03115	Soil	57	0.75	813	0.077	2	1.70	0.046	0.06	0.1	0.05	7.6	<0.1	0.06	5	0.6	<0.2
03116	Soil	31	0.90	617	0.073	3	1.22	0.043	0.05	<0.1	0.05	4.1	<0.1	0.12	3	<0.5	<0.2
03117	Soil	55	0.57	1191	0.055	1	2.20	0.014	0.08	0.1	0.02	8.4	<0.1	<0.05	7	<0.5	<0.2
03118	Soil	38	0.35	859	0.049	2	1.33	0.018	0.08	<0.1	0.04	7.6	<0.1	<0.05	4	1.2	<0.2
03119	Soil	65	0.46	511	0.057	1	1.57	0.016	0.08	<0.1	0.02	8.1	<0.1	<0.05	5	0.6	<0.2
03120	Soil	49	0.59	491	0.119	1	1.88	0.021	0.04	<0.1	0.01	4.4	<0.1	<0.05	6	<0.5	<0.2
03121	Soil	43	0.58	479	0.102	1	1.57	0.022	0.05	<0.1	0.01	4.3	<0.1	<0.05	5	<0.5	<0.2
03122	Soil	51	0.61	666	0.107	1	1.80	0.028	0.05	0.2	0.04	5.9	<0.1	0.06	6	<0.5	<0.2
03123	Soil	35	0.65	275	0.096	2	1.37	0.042	0.05	0.1	0.03	5.0	<0.1	<0.05	5	<0.5	<0.2
03124	Soil	36	0.60	671	0.094	1	1.48	0.031	0.13	0.1	0.03	6.2	0.1	<0.05	5	<0.5	<0.2
03125	Soil	51	0.64	512	0.113	1	1.81	0.034	0.08	0.1	0.05	8.6	<0.1	<0.05	5	<0.5	<0.2
03126	Soil	40	0.49	678	0.065	2	1.75	0.018	0.13	0.1	0.02	6.5	<0.1	<0.05	5	<0.5	<0.2
03127	Soil	10	0.87	754	0.037	<1	2.81	0.044	0.27	0.2	0.02	9.0	0.2	<0.05	12	<0.5	<0.2
03128	Soil	27	0.27	767	0.017	<1	1.34	0.009	0.06	<0.1	0.07	7.4	<0.1	0.07	4	<0.5	0.3



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
Pulp Duplicates		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
03592	Soil	0.8	32.9	7.8	65	<0.1	20.4	12.4	486	4.29	58.2	12.6	9.6	22	<0.1	3.9	0.2	81	0.41	0.043
REP 03592	QC	0.8	32.6	7.5	66	<0.1	20.0	12.2	477	4.31	57.2	15.0	9.6	22	<0.1	4.0	0.2	83	0.42	0.042
03606	Soil	1.4	22.5	9.7	108	0.4	22.4	7.0	267	2.63	51.4	31.9	2.6	33	0.6	3.6	0.1	50	0.38	0.074
REP 03606	QC	1.3	23.0	9.6	109	0.4	22.9	7.4	270	2.67	52.6	31.1	2.8	33	0.5	3.6	0.1	52	0.39	0.074
03351	Soil	1.1	23.9	7.7	60	0.2	24.3	10.3	418	3.38	14.5	7.3	2.3	24	0.2	0.9	0.1	72	0.38	0.033
REP 03351	QC	1.0	24.1	7.7	58	0.2	24.1	10.2	409	3.25	14.9	7.1	2.3	24	0.2	0.8	0.1	70	0.38	0.032
03090	Soil	1.2	32.7	11.9	51	<0.1	27.1	12.3	332	3.00	9.9	5.7	2.5	31	0.1	0.4	<0.1	85	0.54	0.037
REP 03090	QC	1.0	31.4	12.6	49	<0.1	27.3	11.9	339	2.93	9.2	2.7	2.5	29	<0.1	0.4	<0.1	83	0.52	0.036
03834	Soil	0.7	29.2	6.8	46	<0.1	24.4	11.3	327	3.03	7.1	2.4	2.1	31	<0.1	0.5	0.1	83	0.47	0.032
REP 03834	QC	0.7	29.2	6.7	45	<0.1	25.7	11.5	331	3.06	6.7	2.4	2.1	31	<0.1	0.5	0.1	85	0.48	0.033
03844	Soil	1.3	17.6	8.8	60	<0.1	25.6	12.1	279	3.29	9.8	8.1	3.1	21	0.1	0.5	0.1	76	0.24	0.017
REP 03844	QC	1.3	17.7	8.7	58	<0.1	25.8	12.0	277	3.31	9.6	2.3	3.1	21	<0.1	0.5	0.1	76	0.24	0.017
03375	Soil	1.1	53.1	9.6	63	0.8	35.8	11.4	450	2.95	544.1	151.6	1.9	26	0.3	92.7	0.2	65	0.32	0.043
REP 03375	QC	0.8	53.6	9.4	66	0.7	36.0	12.1	453	2.99	550.4	167.6	2.0	26	0.2	93.0	0.2	64	0.33	0.045
03861	Soil	0.7	78.0	8.7	59	0.2	32.2	15.3	567	3.46	28.5	30.2	2.3	47	0.1	0.8	0.1	86	0.88	0.038
REP 03861	QC	0.7	78.7	8.1	59	0.2	32.5	15.3	562	3.52	28.6	13.5	2.1	45	<0.1	0.7	0.1	86	0.90	0.037
03614	Soil	0.7	34.9	9.1	53	0.1	26.8	12.4	509	2.84	20.9	6.4	2.0	39	0.2	1.4	0.1	70	0.62	0.060
REP 03614	QC	0.8	36.1	9.7	53	0.1	26.3	12.5	539	2.88	21.1	10.1	2.1	40	0.1	1.5	0.1	72	0.62	0.061
03628	Soil	1.2	49.7	8.0	68	0.3	34.8	12.3	585	3.26	49.0	14.6	3.1	34	0.2	3.2	0.1	74	0.55	0.049
REP 03628	QC	1.2	50.4	8.0	70	0.3	35.3	12.1	581	3.27	49.1	17.4	3.1	34	0.2	3.2	0.1	74	0.55	0.051
03657	Soil	1.6	54.5	8.1	57	0.2	33.9	17.9	417	3.39	12.8	6.9	3.5	22	<0.1	1.4	0.2	75	0.24	0.039
REP 03657	QC	1.5	55.7	8.2	55	0.1	34.0	17.5	420	3.43	13.4	6.3	3.7	22	0.1	1.4	0.1	75	0.26	0.037
03673	Soil	0.5	36.5	6.2	51	0.1	29.6	12.5	465	2.69	8.7	2.9	2.0	49	0.2	0.5	<0.1	71	0.88	0.057
REP 03673	QC	0.4	35.8	6.0	49	0.1	29.4	13.5	460	2.67	8.8	4.5	2.0	49	0.1	0.5	<0.1	71	0.87	0.055
03402	Soil	1.1	42.2	8.1	62	0.2	29.9	11.1	433	2.96	17.4	8.5	2.4	47	0.2	0.9	0.1	72	0.75	0.060
REP 03402	QC	1.2	41.8	8.2	63	0.2	30.0	10.7	429	3.01	16.7	5.9	2.5	47	0.1	0.9	0.1	73	0.74	0.060
03420	Soil	0.9	42.0	8.7	53	0.3	34.8	13.3	623	3.12	22.8	6.0	2.4	40	0.1	1.7	0.1	79	0.67	0.035
REP 03420	QC	1.0	44.0	9.2	55	0.3	35.9	13.0	633	3.16	24.1	7.1	2.3	41	<0.1	1.6	<0.1	82	0.71	0.036



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
Pulp Duplicates																
03592	Soil	21	1.43	895	0.236	1	2.63	0.031	0.42	0.5	0.04	9.8	0.6	<0.05	10	<0.5
REP 03592	QC	21	1.40	895	0.242	1	2.63	0.031	0.42	0.5	0.03	9.5	0.6	<0.05	10	<0.5
03606	Soil	24	0.43	401	0.052	2	1.46	0.018	0.08	0.1	0.04	4.1	0.1	<0.05	5	0.7
REP 03606	QC	24	0.43	404	0.052	1	1.53	0.018	0.08	0.1	0.03	4.4	0.1	<0.05	5	0.7
03351	Soil	36	0.60	417	0.080	3	2.00	0.016	0.05	<0.1	0.01	5.0	0.1	<0.05	6	<0.5
REP 03351	QC	36	0.58	412	0.082	2	2.00	0.016	0.05	0.1	0.02	4.8	0.1	<0.05	6	<0.5
03090	Soil	47	0.65	246	0.123	2	2.17	0.022	0.03	<0.1	<0.01	4.5	<0.1	<0.05	7	<0.5
REP 03090	QC	45	0.64	244	0.115	1	2.17	0.022	0.03	<0.1	0.02	4.5	<0.1	<0.05	7	<0.5
03834	Soil	43	0.68	211	0.105	2	2.06	0.025	0.03	<0.1	0.01	5.7	<0.1	<0.05	6	<0.5
REP 03834	QC	44	0.68	210	0.109	1	2.06	0.030	0.03	0.1	0.02	5.9	<0.1	<0.05	6	<0.5
03844	Soil	40	0.69	131	0.084	1	2.09	0.021	0.06	<0.1	<0.01	3.6	0.1	<0.05	6	<0.5
REP 03844	QC	40	0.71	127	0.087	2	2.13	0.021	0.07	<0.1	<0.01	3.9	0.1	<0.05	7	<0.5
03375	Soil	33	0.45	562	0.079	2	1.60	0.020	0.05	0.3	0.04	4.9	<0.1	<0.05	5	<0.5
REP 03375	QC	32	0.48	561	0.080	3	1.67	0.021	0.05	0.3	0.02	4.8	<0.1	<0.05	5	<0.5
03861	Soil	39	0.88	218	0.108	3	2.01	0.061	0.05	<0.1	0.04	9.3	<0.1	<0.05	6	<0.5
REP 03861	QC	38	0.86	215	0.104	3	1.97	0.056	0.05	<0.1	0.04	9.3	<0.1	<0.05	6	<0.5
03614	Soil	38	0.64	505	0.097	1	1.88	0.034	0.05	0.1	0.03	6.1	<0.1	<0.05	5	<0.5
REP 03614	QC	40	0.65	509	0.099	2	1.91	0.035	0.05	0.1	0.03	6.2	<0.1	<0.05	6	<0.5
03628	Soil	45	0.70	866	0.088	1	2.29	0.030	0.06	<0.1	0.03	8.3	<0.1	<0.05	6	<0.5
REP 03628	QC	45	0.69	889	0.089	1	2.27	0.025	0.05	<0.1	0.03	8.1	<0.1	<0.05	6	<0.5
03657	Soil	50	0.61	245	0.083	2	2.74	0.019	0.05	<0.1	0.04	7.9	0.1	<0.05	6	<0.5
REP 03657	QC	50	0.60	244	0.089	2	2.79	0.019	0.05	<0.1	0.04	7.8	0.1	<0.05	6	<0.5
03673	Soil	34	0.62	230	0.099	3	1.65	0.044	0.05	<0.1	0.02	5.4	<0.1	<0.05	5	0.6
REP 03673	QC	33	0.61	224	0.100	2	1.72	0.043	0.05	<0.1	0.03	5.2	<0.1	<0.05	5	0.6
03402	Soil	38	0.74	305	0.106	2	1.80	0.049	0.06	0.1	0.04	6.2	<0.1	<0.05	5	<0.5
REP 03402	QC	38	0.72	307	0.106	2	1.71	0.044	0.06	0.1	0.03	6.3	<0.1	<0.05	5	<0.5
03420	Soil	45	0.71	495	0.122	3	1.82	0.034	0.08	0.1	0.03	5.9	<0.1	<0.05	6	<0.5
REP 03420	QC	45	0.73	509	0.128	3	1.85	0.035	0.08	<0.1	0.03	6.4	<0.1	<0.05	6	<0.5



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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
03683	Soil	0.9	59.9	15.6	63	0.7	31.4	12.0	742	2.58	278.4	75.2	3.7	22	<0.1	25.1	0.2	50	0.28	0.029
REP 03683	QC	0.8	59.4	15.5	63	0.7	31.7	12.0	732	2.57	280.1	76.2	3.4	21	<0.1	24.1	0.1	51	0.28	0.028
03698	Soil	1.2	69.2	15.3	61	<0.1	30.5	11.0	290	2.73	35.9	6.2	4.1	25	<0.1	4.6	0.1	62	0.32	0.019
REP 03698	QC	1.0	68.8	15.6	60	<0.1	29.6	10.8	283	2.70	36.2	3.9	4.3	23	<0.1	4.7	<0.1	61	0.30	0.020
03889	Soil	1.1	27.6	10.9	52	0.2	30.0	12.8	704	2.77	29.9	2.8	1.6	31	0.2	0.6	0.1	68	0.54	0.023
REP 03889	QC	1.2	27.6	10.2	52	0.2	29.8	12.4	708	2.80	28.4	1.6	1.6	30	0.2	0.6	0.1	68	0.53	0.024
03114	Soil	1.9	38.2	6.1	60	0.1	46.8	20.2	704	3.42	47.6	5.6	2.4	49	0.3	1.7	<0.1	83	0.97	0.074
REP 03114	QC	2.0	37.8	6.3	58	0.1	48.7	18.9	695	3.26	46.0	7.0	2.3	50	0.2	1.7	<0.1	80	0.94	0.076
Reference Materials																				
STD DS9	Standard	13.2	110.2	126.2	287	1.8	39.4	7.7	570	2.17	23.5	115.3	6.3	60	2.3	4.9	5.5	43	0.64	0.076
STD DS9	Standard	13.3	109.3	123.3	314	1.9	40.1	7.2	579	2.32	25.8	120.4	6.3	77	2.5	5.9	6.9	40	0.72	0.083
STD DS9	Standard	14.4	112.4	128.8	318	2.0	42.1	8.1	601	2.47	25.5	128.2	7.1	67	2.3	5.6	5.0	45	0.79	0.083
STD DS9	Standard	13.4	101.3	115.4	299	1.8	40.9	7.7	585	2.34	25.0	126.3	5.5	65	2.1	5.4	5.6	43	0.71	0.081
STD DS9	Standard	13.0	104.1	115.0	276	1.7	37.8	7.2	538	2.15	23.2	105.5	6.0	66	2.1	5.2	6.2	41	0.77	0.074
STD DS9	Standard	14.0	112.9	120.1	313	1.8	42.7	7.7	577	2.34	23.7	116.0	5.5	60	2.1	4.8	4.5	46	0.70	0.074
STD DS9	Standard	13.3	102.2	118.2	303	1.8	39.7	7.7	571	2.30	25.2	124.1	5.9	65	2.3	5.2	5.9	42	0.70	0.080
STD DS9	Standard	14.4	114.6	125.6	317	1.9	41.3	7.9	605	2.51	26.0	116.8	7.1	75	2.7	5.7	6.8	45	0.76	0.086
STD DS9	Standard	13.2	101.3	114.1	301	1.8	40.1	7.5	583	2.30	24.9	117.8	6.1	70	2.2	5.1	5.8	42	0.73	0.078
STD DS9 Expected		12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	4	<0.01	<0.001
BLK	Blank	<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	0.6	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: WELS
Report Date: August 24, 2012

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Part: 2 of 2

QUALITY CONTROL REPORT

WHI12000310.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
03683	Soil	31	0.34	196	0.072	1	1.23	0.017	0.05	<0.1	0.02	4.8	<0.1	<0.05	3	<0.5	<0.2
REP 03683	QC	31	0.34	188	0.075	<1	1.22	0.017	0.05	<0.1	0.03	5.0	<0.1	<0.05	3	<0.5	<0.2
03698	Soil	32	0.33	379	0.097	<1	1.31	0.019	0.04	<0.1	0.01	4.2	0.5	<0.05	4	0.6	<0.2
REP 03698	QC	32	0.33	366	0.095	<1	1.32	0.020	0.04	<0.1	<0.01	3.9	0.6	<0.05	3	0.6	<0.2
03889	Soil	36	0.48	458	0.062	1	1.45	0.020	0.07	<0.1	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
REP 03889	QC	36	0.49	461	0.065	2	1.53	0.020	0.07	0.1	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
03114	Soil	42	0.74	288	0.096	3	1.47	0.038	0.05	0.2	0.02	5.7	<0.1	<0.05	5	0.6	<0.2
REP 03114	QC	40	0.74	283	0.091	2	1.50	0.037	0.05	0.1	0.03	5.3	<0.1	0.06	4	<0.5	<0.2
Reference Materials																	
STD DS9	Standard	118	0.60	285	0.104	2	0.87	0.076	0.32	3.0	0.24	2.6	5.5	0.19	5	5.2	5.2
STD DS9	Standard	118	0.61	303	0.107	4	0.92	0.103	0.38	3.2	0.22	3.2	5.6	0.13	5	5.7	4.8
STD DS9	Standard	133	0.66	321	0.129	2	1.04	0.084	0.36	3.1	0.21	2.8	5.7	0.16	5	5.5	5.1
STD DS9	Standard	123	0.63	306	0.108	3	0.95	0.097	0.36	3.1	0.21	2.6	5.7	0.11	5	5.7	5.3
STD DS9	Standard	115	0.57	286	0.105	3	0.86	0.088	0.34	2.8	0.19	2.6	5.1	0.11	4	4.8	4.8
STD DS9	Standard	124	0.62	288	0.110	3	0.91	0.073	0.36	2.9	0.20	2.3	5.6	0.16	5	5.7	5.0
STD DS9	Standard	119	0.62	298	0.106	3	0.93	0.087	0.36	3.1	0.20	2.4	5.6	0.10	5	5.4	5.5
STD DS9	Standard	130	0.69	322	0.122	3	0.98	0.099	0.37	3.2	0.22	3.2	5.7	0.16	5	6.0	5.4
STD DS9	Standard	122	0.63	305	0.112	2	0.96	0.090	0.36	2.9	0.21	2.8	5.6	0.08	5	5.2	5.3
STD DS9 Expected		121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Scott Sheldon
Receiving Lab: Canada-Whitehorse
Received: July 11, 2012
Report Date: September 12, 2012
Page: 1 of 10

CERTIFICATE OF ANALYSIS

WHI12000311.1

CLIENT JOB INFORMATION

Project: WELS
Shipment ID:
P.O. Number
Number of Samples: 256

SAMPLE DISPOSAL

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

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

Invoice To: Gorilla Minerals Corp.
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Canada

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	253	Dry at 60C			WHI
SS80	253	Dry at 60C sieve 100g to -80 mesh			WHI
1DX2	253	1:1:1 Aqua Regia digestion ICP-MS analysis	15	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: WELS
Report Date: September 12, 2012

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CERTIFICATE OF ANALYSIS

WHI12000311.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
03129	Soil	0.7	33.3	8.4	69	0.1	30.1	10.9	845	2.83	82.5	3.5	10.4	20	<0.1	0.7	0.2	66	0.24	0.018	24
03130	Soil	1.3	26.5	8.2	50	0.2	35.5	15.2	399	3.53	22.7	6.2	2.4	19	<0.1	0.6	0.2	96	0.23	0.024	6
03133	Soil	0.9	47.8	5.4	53	0.2	32.0	13.5	452	2.80	30.8	25.5	2.0	43	<0.1	1.1	0.2	72	1.06	0.049	10
03136	Soil	8.0	46.1	10.5	52	0.3	31.4	22.4	1021	2.39	60.6	19.1	1.4	21	<0.1	3.2	0.2	60	0.27	0.037	10
03137	Soil	1.9	80.4	12.4	97	0.1	56.4	21.8	1720	3.74	119.1	20.1	3.3	26	<0.1	8.6	0.2	64	0.30	0.029	13
03138	Soil	13.2	94.1	21.5	241	0.7	86.2	37.9	3405	6.11	42.3	8.7	7.9	52	2.3	18.5	0.4	100	0.65	0.091	23
03139	Soil	4.5	95.6	12.1	95	0.4	173.8	32.0	1587	3.68	110.6	18.8	3.2	81	0.4	5.7	0.3	87	2.98	0.065	13
03140	Soil	9.5	63.3	11.1	112	0.6	53.7	17.4	1148	3.48	116.8	9.6	3.7	77	0.7	8.1	0.3	65	1.04	0.069	17
03141	Soil	1.1	39.9	9.1	50	0.1	34.5	13.7	764	2.77	33.4	11.0	2.5	39	<0.1	1.5	<0.1	77	0.79	0.056	11
03145	Soil	1.5	61.9	9.7	67	0.1	44.1	15.5	742	3.43	21.0	6.9	3.1	30	<0.1	3.2	0.2	83	0.37	0.020	15
03146	Soil	1.3	33.9	8.6	50	0.2	28.0	12.1	404	2.98	33.5	6.6	2.1	30	<0.1	1.7	0.1	84	0.45	0.032	9
03147	Soil	1.7	44.0	7.8	60	0.1	23.7	12.8	998	3.17	37.8	25.8	1.6	22	0.1	2.0	0.1	72	0.32	0.075	9
03148	Soil	0.8	57.8	14.0	47	<0.1	27.1	10.7	483	2.53	54.6	4.9	2.6	26	<0.1	3.7	0.2	54	0.24	0.024	13
03149	Soil	1.1	72.1	9.2	48	0.1	47.0	16.6	614	3.15	53.8	22.1	2.6	35	<0.1	3.1	0.1	81	0.56	0.030	13
03150	Soil	0.6	108.7	3.6	75	<0.1	312.9	50.8	1236	5.63	190.5	9.7	3.0	41	<0.1	1.7	<0.1	124	0.98	0.181	15
03151	Soil	0.5	56.0	4.1	47	<0.1	101.4	21.5	387	3.50	10.5	4.1	2.3	29	<0.1	0.5	<0.1	103	0.67	0.114	11
03966	Soil	0.7	40.1	5.2	56	<0.1	36.1	14.4	348	2.94	8.9	7.3	2.8	35	<0.1	0.5	<0.1	91	0.68	0.108	12
03968	Soil	1.9	49.6	7.1	64	0.1	37.8	15.7	457	3.80	26.7	24.5	5.2	37	<0.1	0.6	<0.1	107	0.66	0.107	15
03969	Soil	1.6	46.9	7.2	58	0.1	36.4	13.7	361	3.43	20.9	7.8	4.1	39	<0.1	0.5	0.1	95	0.61	0.081	14
03978	Soil	1.0	28.6	5.2	37	0.2	17.2	6.3	224	1.60	7.5	3.1	1.2	26	0.1	0.3	<0.1	44	0.36	0.061	8
03981	Soil	1.2	85.0	5.1	56	0.1	56.0	17.2	439	3.49	27.7	13.9	2.6	50	<0.1	1.5	<0.1	96	1.04	0.098	12
03982	Soil	0.7	131.6	3.9	41	0.2	53.3	13.9	410	2.76	26.6	12.6	2.0	58	<0.1	1.3	<0.1	78	1.46	0.087	15
03984	Soil	0.9	40.2	4.7	39	<0.1	21.6	10.7	170	2.36	24.0	5.1	1.0	23	0.1	1.2	0.1	71	0.32	0.022	5
03986	Soil	0.9	34.1	7.2	30	0.2	15.2	5.0	161	1.39	9.6	3.8	0.4	23	0.2	0.5	0.1	35	0.33	0.055	10
03988	Soil	1.1	33.1	6.5	52	0.4	21.2	10.2	549	2.49	28.6	12.1	1.3	23	0.1	2.0	0.1	70	0.35	0.033	7
03989	Soil	0.8	60.0	5.4	34	0.2	20.9	6.4	227	1.69	6.6	2.8	0.8	26	<0.1	1.6	0.1	50	0.32	0.031	7
03990	Soil	1.2	34.6	7.1	42	0.3	20.1	7.9	168	2.43	31.0	10.0	1.1	16	0.2	1.9	0.1	68	0.17	0.021	7
03991	Soil	1.5	46.8	6.6	77	0.1	27.5	13.3	1415	2.57	85.3	17.8	0.8	28	0.3	11.0	0.1	78	0.42	0.060	7
03993	Soil	1.1	40.7	3.5	22	0.2	14.7	12.4	664	1.84	15.3	5.4	0.4	19	<0.1	0.6	<0.1	43	0.25	0.052	6
03994	Soil	1.2	33.6	6.7	55	0.2	33.7	14.9	730	3.32	12.4	5.6	1.8	38	0.1	1.2	0.1	92	0.55	0.043	9



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Project: WELS
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CERTIFICATE OF ANALYSIS

WHI12000311.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
03129	Soil	38	0.53	315	0.092	2	1.74	0.013	0.12	0.1	<0.01	5.1	0.1	<0.05	5	<0.5	<0.2
03130	Soil	51	0.64	299	0.093	2	2.67	0.015	0.04	<0.1	0.02	3.7	0.1	<0.05	7	<0.5	<0.2
03133	Soil	37	0.66	235	0.083	2	1.48	0.037	0.04	0.1	0.04	5.5	<0.1	<0.05	4	<0.5	<0.2
03136	Soil	31	0.41	291	0.053	2	1.49	0.015	0.05	0.1	0.03	3.8	0.2	<0.05	6	<0.5	<0.2
03137	Soil	38	0.43	333	0.053	1	1.77	0.010	0.06	<0.1	0.06	7.5	<0.1	<0.05	5	<0.5	<0.2
03138	Soil	42	1.09	1912	0.022	2	1.84	0.064	0.20	0.1	0.05	14.3	0.6	<0.05	6	1.5	<0.2
03139	Soil	138	1.25	661	0.090	2	1.62	0.040	0.10	<0.1	0.05	8.9	0.3	<0.05	5	<0.5	<0.2
03140	Soil	39	0.84	419	0.058	3	1.37	0.036	0.12	0.1	0.03	6.8	0.2	<0.05	4	1.1	<0.2
03141	Soil	36	0.67	223	0.098	3	1.39	0.044	0.07	0.1	0.03	5.0	<0.1	<0.05	4	<0.5	<0.2
03145	Soil	52	0.53	304	0.098	1	2.04	0.016	0.05	<0.1	0.02	8.0	<0.1	<0.05	5	<0.5	<0.2
03146	Soil	38	0.59	368	0.094	1	1.73	0.019	0.06	<0.1	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2
03147	Soil	36	0.45	373	0.080	2	1.54	0.013	0.06	0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
03148	Soil	33	0.36	591	0.054	1	1.29	0.014	0.07	<0.1	0.01	4.6	<0.1	<0.05	4	<0.5	<0.2
03149	Soil	54	0.61	791	0.111	2	1.77	0.024	0.09	<0.1	0.03	7.9	<0.1	<0.05	5	<0.5	<0.2
03150	Soil	130	4.21	496	0.382	2	2.29	0.023	0.62	<0.1	0.02	8.1	0.2	<0.05	8	<0.5	<0.2
03151	Soil	77	1.81	229	0.247	1	1.70	0.024	0.30	0.1	<0.01	4.0	0.2	<0.05	6	<0.5	<0.2
03966	Soil	47	0.89	139	0.184	2	1.61	0.031	0.11	0.2	0.03	4.7	0.1	<0.05	5	<0.5	<0.2
03968	Soil	51	1.01	156	0.229	3	2.05	0.026	0.17	0.3	0.03	5.0	0.2	<0.05	7	<0.5	<0.2
03969	Soil	47	0.90	153	0.172	2	2.02	0.030	0.09	0.2	0.03	5.1	0.1	<0.05	7	<0.5	<0.2
03978	Soil	23	0.36	106	0.077	2	1.01	0.024	0.05	0.1	0.04	2.3	<0.1	<0.05	4	<0.5	<0.2
03981	Soil	51	1.13	147	0.171	3	1.96	0.053	0.15	0.3	0.04	5.5	<0.1	<0.05	6	<0.5	<0.2
03982	Soil	44	0.79	122	0.134	3	1.78	0.049	0.12	0.2	0.05	6.1	<0.1	<0.05	5	<0.5	<0.2
03984	Soil	27	0.35	83	0.075	1	1.58	0.027	0.05	<0.1	0.01	2.6	<0.1	<0.05	6	<0.5	<0.2
03986	Soil	22	0.24	107	0.035	2	0.93	0.015	0.04	<0.1	0.05	1.9	<0.1	0.08	4	<0.5	<0.2
03988	Soil	29	0.37	284	0.073	2	1.28	0.021	0.05	<0.1	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
03989	Soil	26	0.34	326	0.060	<1	1.05	0.020	0.06	<0.1	0.03	2.6	<0.1	<0.05	5	<0.5	<0.2
03990	Soil	30	0.30	178	0.072	<1	1.25	0.021	0.04	<0.1	0.03	2.2	<0.1	<0.05	6	<0.5	<0.2
03991	Soil	33	0.39	275	0.084	4	1.54	0.023	0.07	0.2	0.06	2.9	0.1	0.05	6	<0.5	<0.2
03993	Soil	22	0.23	125	0.042	<1	1.51	0.027	0.02	<0.1	0.04	2.5	<0.1	<0.05	4	<0.5	<0.2
03994	Soil	45	0.75	285	0.114	2	2.04	0.020	0.08	0.1	0.02	4.2	<0.1	<0.05	6	<0.5	<0.2



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
03995	Soil		0.5	42.7	5.6	48	0.1	35.1	13.1	623	3.00	11.3	5.8	2.2	41	0.1	1.3	<0.1	88	0.75	0.071	11		
03996	Soil		1.1	46.7	9.3	52	0.2	25.6	12.9	1191	2.53	30.3	1.5	1.8	34	0.4	3.9	0.2	60	0.58	0.055	12		
03997	Soil		1.0	53.1	8.0	53	0.3	32.7	13.9	680	3.04	16.4	7.1	1.9	36	0.2	1.3	0.1	82	0.55	0.051	10		
03998	Soil		0.7	43.6	6.8	51	0.1	32.1	13.2	473	3.03	13.9	6.5	2.3	35	<0.1	1.3	<0.1	83	0.60	0.040	11		
03999	Soil		1.1	49.2	8.8	58	0.3	40.2	15.2	941	3.23	20.0	3.7	2.3	34	<0.1	3.3	0.1	82	0.52	0.027	11		
04000	Soil		1.4	30.9	7.4	56	0.2	33.1	16.7	1011	3.23	14.5	1.9	1.8	28	0.2	1.5	0.1	84	0.43	0.026	7		
04600	Soil		1.0	49.1	7.3	73	0.2	36.1	17.1	1079	3.33	22.8	4.6	2.2	27	0.3	2.1	0.1	83	0.39	0.032	9		
04601	Soil		2.0	30.4	9.1	66	0.4	27.2	19.4	1201	3.56	15.9	3.7	2.0	22	0.3	1.1	0.2	79	0.28	0.056	8		
04602	Soil		0.9	79.3	5.7	209	<0.1	69.2	17.3	1208	4.59	115.4	25.4	3.1	35	0.5	13.6	0.2	125	0.39	0.029	11		
04603	Soil		1.0	36.4	6.6	43	0.1	29.5	10.7	275	2.65	57.0	20.0	1.3	17	<0.1	7.6	0.1	63	0.24	0.043	8		
04604	Soil		0.6	53.5	4.3	28	0.4	24.6	5.1	186	1.66	46.0	26.0	0.2	27	<0.1	5.4	0.1	36	0.34	0.055	7		
04605	Soil		1.2	46.9	6.8	52	0.2	28.6	13.5	445	2.74	273.7	116.6	0.9	25	0.1	99.7	0.1	79	0.34	0.039	6		
04606	Soil		1.2	47.5	5.1	55	0.4	18.6	9.6	700	2.00	26.1	20.4	0.3	22	0.5	10.6	0.1	47	0.33	0.055	7		
04607	Soil		1.6	44.2	8.8	55	0.2	31.8	15.1	312	3.94	115.5	43.4	1.7	24	<0.1	66.3	0.4	102	0.32	0.023	7		
04608	Soil		0.7	56.3	6.1	46	0.2	29.1	13.2	273	2.58	204.4	74.9	1.2	32	0.1	95.6	0.1	74	0.49	0.043	7		
04609	Soil		0.7	86.0	11.4	75	0.2	43.0	19.5	655	4.24	389.9	37.3	1.6	27	0.2	42.6	0.1	111	0.41	0.032	7		
04610	Soil		1.1	27.9	8.0	51	0.2	16.6	6.9	314	2.43	24.9	6.6	0.9	19	0.3	3.0	0.2	66	0.24	0.053	6		
04611	Soil		1.3	26.9	7.6	49	0.1	28.8	12.4	223	3.08	16.4	2.6	1.6	25	0.2	2.1	0.1	80	0.32	0.028	7		
04612	Soil		1.0	71.4	6.5	57	0.4	38.9	11.9	712	2.72	51.0	39.1	0.7	37	0.4	3.5	0.2	62	0.51	0.067	11		
04613	Soil		0.8	25.7	4.8	40	0.2	14.6	5.7	182	1.42	15.8	1.4	0.3	21	0.3	1.7	0.1	41	0.28	0.056	5		
04614	Soil		0.9	15.9	6.5	41	0.1	10.3	4.7	245	1.95	11.2	4.1	0.5	12	0.2	1.1	0.2	54	0.17	0.031	4		
04615	Soil		0.6	50.2	6.0	45	0.2	23.8	10.8	356	2.00	41.8	18.0	0.5	33	0.3	3.0	0.1	54	0.46	0.054	8		
04616	Soil		1.2	49.3	8.9	65	<0.1	35.3	14.3	521	3.37	67.1	7.6	1.8	22	0.1	7.1	0.1	85	0.29	0.037	8		
04617	Soil		0.8	74.6	7.0	53	<0.1	33.9	17.0	576	3.23	31.3	11.4	1.6	27	0.1	7.0	0.2	84	0.36	0.044	8		
04618	Soil		1.6	20.1	8.9	60	0.5	24.9	12.8	513	3.61	10.7	1.3	1.6	21	0.2	0.6	0.2	90	0.30	0.028	7		
04619	Soil		1.6	26.9	8.3	74	0.4	29.7	15.4	1020	3.50	21.4	4.0	1.9	31	0.3	1.2	0.1	88	0.49	0.063	6		
04620	Soil		0.8	40.0	8.3	77	0.6	23.6	10.0	747	3.57	42.8	60.4	2.8	83	0.2	3.2	<0.1	43	1.26	0.076	27		
04622	Soil		1.5	36.8	9.2	68	0.3	42.3	17.7	456	4.14	29.9	2.4	2.5	25	0.1	1.5	0.2	100	0.32	0.029	8		
03152	Soil		0.7	49.2	5.4	42	0.2	25.5	10.2	486	2.05	36.4	10.7	0.8	31	0.1	3.4	<0.1	45	0.42	0.052	10		
03153	Soil		0.8	30.7	8.5	57	<0.1	24.5	12.0	442	2.85	17.3	5.2	2.8	36	0.2	1.0	<0.1	73	0.59	0.057	13		



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
03995	Soil	46	0.76	263	0.124	2	1.68	0.034	0.06	0.1	0.02	5.5	<0.1	<0.05	5	<0.5	<0.2
03996	Soil	28	0.44	269	0.075	2	1.09	0.021	0.11	0.1	0.03	3.3	<0.1	<0.05	4	<0.5	<0.2
03997	Soil	41	0.65	249	0.111	1	1.88	0.029	0.09	0.1	0.02	5.3	<0.1	<0.05	6	<0.5	<0.2
03998	Soil	43	0.71	270	0.107	1	1.87	0.031	0.08	0.1	0.03	6.1	<0.1	<0.05	6	<0.5	<0.2
03999	Soil	55	0.78	341	0.107	2	1.96	0.026	0.11	<0.1	0.02	5.9	0.1	<0.05	6	<0.5	<0.2
04000	Soil	45	0.66	273	0.106	1	1.87	0.023	0.10	0.1	0.02	3.7	0.1	<0.05	6	<0.5	<0.2
04600	Soil	46	0.72	334	0.102	2	2.43	0.021	0.07	0.2	0.02	5.6	0.1	<0.05	8	<0.5	<0.2
04601	Soil	39	0.51	286	0.072	1	2.24	0.018	0.04	0.1	0.03	4.5	0.1	<0.05	8	<0.5	<0.2
04602	Soil	188	1.53	964	0.192	2	3.48	0.017	0.08	0.4	0.02	11.1	0.2	<0.05	10	<0.5	<0.2
04603	Soil	33	0.47	229	0.064	2	1.79	0.017	0.04	0.3	0.03	3.8	<0.1	<0.05	6	<0.5	<0.2
04604	Soil	25	0.27	248	0.032	1	1.33	0.022	0.04	0.2	0.05	2.9	<0.1	0.07	4	<0.5	<0.2
04605	Soil	36	0.51	169	0.071	2	1.80	0.020	0.06	0.6	0.03	4.1	0.1	<0.05	7	<0.5	<0.2
04606	Soil	21	0.23	149	0.040	<1	1.16	0.028	0.04	0.1	0.03	2.2	<0.1	0.06	5	<0.5	<0.2
04607	Soil	42	0.58	192	0.095	1	2.60	0.019	0.04	0.3	0.02	4.7	0.1	<0.05	9	<0.5	<0.2
04608	Soil	36	0.54	169	0.080	2	2.08	0.030	0.06	0.7	0.03	4.9	0.1	<0.05	7	<0.5	<0.2
04609	Soil	53	0.77	324	0.055	3	2.83	0.024	0.07	0.6	0.02	9.2	0.2	<0.05	8	<0.5	<0.2
04610	Soil	25	0.30	121	0.074	1	1.23	0.021	0.08	0.2	0.02	2.7	<0.1	0.07	6	<0.5	<0.2
04611	Soil	36	0.49	208	0.084	2	2.08	0.022	0.04	<0.1	0.01	3.9	0.1	<0.05	7	<0.5	<0.2
04612	Soil	38	0.42	1051	0.053	2	2.41	0.025	0.05	0.1	0.06	6.6	0.1	0.06	6	<0.5	<0.2
04613	Soil	23	0.29	164	0.056	2	1.09	0.018	0.06	0.2	0.04	2.8	<0.1	0.06	5	<0.5	<0.2
04614	Soil	18	0.19	80	0.060	2	0.91	0.024	0.03	<0.1	0.03	1.7	<0.1	<0.05	6	<0.5	<0.2
04615	Soil	29	0.44	497	0.058	2	1.60	0.022	0.07	0.1	0.05	4.0	<0.1	<0.05	5	<0.5	<0.2
04616	Soil	43	0.53	480	0.096	2	2.18	0.019	0.07	0.2	0.01	5.3	0.1	<0.05	8	<0.5	<0.2
04617	Soil	39	0.62	468	0.089	2	2.01	0.021	0.05	0.1	0.02	5.2	<0.1	<0.05	6	<0.5	<0.2
04618	Soil	39	0.56	214	0.087	<1	2.08	0.019	0.04	<0.1	0.01	3.2	0.1	<0.05	8	<0.5	<0.2
04619	Soil	39	0.61	346	0.084	2	2.10	0.020	0.11	<0.1	0.03	3.8	<0.1	<0.05	8	<0.5	<0.2
04620	Soil	21	0.41	1789	0.013	2	1.83	0.024	0.10	<0.1	0.08	12.8	0.1	0.07	4	0.5	<0.2
04622	Soil	53	0.67	326	0.100	1	3.11	0.018	0.04	<0.1	0.02	5.5	0.1	<0.05	9	<0.5	<0.2
03152	Soil	28	0.34	515	0.060	1	1.22	0.023	0.06	<0.1	0.04	3.7	<0.1	<0.05	4	<0.5	<0.2
03153	Soil	36	0.65	545	0.098	2	1.93	0.030	0.06	0.2	0.03	5.5	0.1	<0.05	6	<0.5	<0.2



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
03154	Soil																							
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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
03154	Soil	37	0.64	657	0.097	2	1.89	0.034	0.06	0.2	0.04	6.3	0.1	<0.05	6	<0.5	<0.2
03155	Soil	39	0.62	498	0.076	2	1.73	0.033	0.08	<0.1	0.08	6.2	0.5	<0.05	5	<0.5	<0.2
03156	Soil	45	0.66	904	0.107	<1	2.15	0.029	0.06	<0.1	0.03	6.7	0.2	<0.05	6	<0.5	<0.2
03157	Soil	44	0.66	676	0.093	1	2.12	0.025	0.06	<0.1	0.02	6.3	0.1	<0.05	7	<0.5	<0.2
03158	Soil	53	0.69	557	0.111	2	2.21	0.026	0.07	0.2	0.02	7.2	<0.1	<0.05	7	0.6	<0.2
03159	Soil	55	0.83	408	0.104	2	1.99	0.048	0.08	0.2	0.04	9.9	<0.1	<0.05	6	<0.5	<0.2
03160	Soil	43	0.61	293	0.096	1	2.03	0.025	0.06	<0.1	0.04	7.8	<0.1	<0.05	6	<0.5	<0.2
03161	Soil	40	0.71	205	0.110	2	1.99	0.044	0.06	0.1	0.04	5.8	<0.1	<0.05	6	<0.5	<0.2
03162	Soil	48	0.88	196	0.128	2	1.66	0.036	0.07	0.2	0.03	5.0	<0.1	0.06	6	<0.5	<0.2
03164	Soil	32	0.62	142	0.072	1	1.69	0.033	0.05	0.2	0.05	5.4	<0.1	0.07	6	<0.5	<0.2
03165	Soil	36	0.72	104	0.106	2	1.72	0.032	0.05	0.2	0.03	4.0	<0.1	<0.05	7	<0.5	<0.2
03169	Soil	26	0.45	125	0.097	2	1.47	0.031	0.09	0.3	<0.01	2.8	<0.1	<0.05	6	<0.5	<0.2
03170	Soil	34	0.66	113	0.129	1	1.75	0.017	0.06	0.3	<0.01	2.6	<0.1	<0.05	7	<0.5	<0.2
03171	Soil	48	2.06	177	0.202	7	3.23	0.025	0.29	0.5	0.01	3.8	<0.1	<0.05	9	<0.5	<0.2
03172	Soil	53	1.25	148	0.171	2	2.22	0.019	0.07	0.3	0.02	3.8	<0.1	<0.05	7	<0.5	<0.2
03175	Soil	124	2.89	254	0.103	3	2.68	0.026	1.30	0.2	0.02	5.3	0.3	<0.05	10	<0.5	<0.2
03176	Soil	75	1.60	137	0.092	2	1.79	0.022	0.87	0.2	<0.01	3.9	0.2	<0.05	7	<0.5	<0.2
03177	Soil	86	1.87	167	0.045	3	2.08	0.021	1.08	0.2	<0.01	5.4	0.2	<0.05	9	<0.5	<0.2
03178	Soil	64	1.52	189	0.229	3	2.05	0.020	0.25	0.3	0.02	3.9	<0.1	<0.05	7	<0.5	<0.2
03179	Soil	68	1.67	273	0.162	3	1.96	0.022	0.14	0.2	0.03	4.3	<0.1	<0.05	7	<0.5	<0.2
03180	Soil	65	1.37	364	0.157	2	1.86	0.021	0.14	0.2	0.03	5.5	<0.1	<0.05	7	<0.5	<0.2
03181	Soil	79	1.58	310	0.230	2	1.97	0.019	0.34	0.2	<0.01	5.0	0.1	<0.05	8	<0.5	<0.2
03183	Soil	43	0.60	610	0.074	3	1.44	0.019	0.04	0.1	0.06	5.3	<0.1	<0.05	4	<0.5	<0.2
03186	Soil	25	0.36	827	0.027	1	1.31	0.018	0.04	<0.1	0.07	2.9	<0.1	<0.05	4	<0.5	<0.2
03187	Soil	262	4.66	481	0.112	4	2.15	0.016	0.35	<0.1	0.01	9.5	<0.1	<0.05	7	<0.5	<0.2
03188	Soil	27	0.56	226	0.083	3	1.37	0.032	0.04	<0.1	0.03	4.1	<0.1	<0.05	4	<0.5	<0.2
03192	Soil	30	0.54	97	0.118	3	1.31	0.018	0.08	0.2	0.03	2.5	<0.1	<0.05	6	<0.5	<0.2
03193	Soil	68	1.72	124	0.142	7	1.69	0.031	0.15	0.2	0.04	4.1	<0.1	<0.05	5	<0.5	<0.2
03195	Soil	48	1.24	139	0.149	3	1.86	0.025	0.07	0.1	0.02	4.2	<0.1	<0.05	6	<0.5	<0.2
03196	Soil	55	1.97	246	0.179	5	2.65	0.025	0.18	0.2	0.01	4.3	<0.1	<0.05	7	<0.5	<0.2



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Project: WELS
Report Date: September 12, 2012

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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
03198	Soil																							
03199	Soil																							
03200	Soil																							
03201	Soil																							
03202	Soil																							
03203	Soil																							
03206	Soil																							
03207	Soil																							
03208	Soil																							
03209	Soil																							
03210	Soil																							
03211	Soil																							
03216	Soil																							
03217	Soil																							
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03240	Soil																							



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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
03198	Soil	63	1.11	372	0.150	3	2.05	0.029	0.11	0.1	0.09	9.4	<0.1	<0.05	7	<0.5	<0.2
03199	Soil	77	1.18	253	0.124	2	1.89	0.021	0.09	0.1	0.08	7.6	<0.1	<0.05	6	<0.5	<0.2
03200	Soil	108	3.87	462	0.206	7	2.42	0.016	0.29	0.2	0.02	4.1	0.1	<0.05	6	0.6	<0.2
03201	Soil	41	0.68	609	0.109	1	1.96	0.021	0.07	0.1	0.02	7.9	<0.1	<0.05	6	<0.5	<0.2
03202	Soil	113	3.25	91	0.133	8	2.33	0.025	0.50	1.0	<0.01	3.0	0.2	<0.05	9	0.5	<0.2
03203	Soil	44	1.05	157	0.195	3	1.85	0.025	0.18	0.1	0.03	3.9	<0.1	<0.05	6	<0.5	<0.2
03206	Soil	60	1.26	295	0.249	3	1.84	0.021	0.21	0.2	0.03	6.2	0.1	<0.05	7	<0.5	<0.2
03207	Soil	64	1.43	178	0.242	4	2.03	0.019	0.23	0.3	<0.01	4.5	0.1	<0.05	7	<0.5	<0.2
03208	Soil	99	1.96	193	0.287	3	2.20	0.019	0.65	0.7	<0.01	9.6	0.2	<0.05	9	<0.5	<0.2
03209	Soil	51	1.30	155	0.320	3	2.24	0.018	0.41	0.3	<0.01	4.7	0.1	<0.05	8	0.6	<0.2
03210	Soil	93	3.22	122	0.251	5	2.04	0.020	0.38	0.4	<0.01	4.8	<0.1	<0.05	7	<0.5	<0.2
03211	Soil	85	1.81	144	0.152	4	1.78	0.023	0.10	0.1	0.03	5.3	<0.1	<0.05	6	<0.5	<0.2
03216	Soil	32	0.46	365	0.082	2	1.66	0.017	0.06	<0.1	0.02	3.5	<0.1	<0.05	6	<0.5	<0.2
03217	Soil	36	0.48	250	0.087	2	1.72	0.016	0.05	0.2	0.02	3.7	<0.1	<0.05	7	<0.5	<0.2
03218	Soil	36	0.56	284	0.087	3	1.97	0.019	0.07	0.2	0.03	4.2	<0.1	<0.05	7	<0.5	<0.2
03220	Soil	56	0.78	435	0.103	2	2.68	0.025	0.08	0.4	0.05	8.5	0.1	<0.05	8	<0.5	<0.2
03221	Soil	42	0.74	276	0.112	2	2.02	0.024	0.04	0.1	<0.01	5.7	<0.1	<0.05	6	<0.5	<0.2
03222	Soil	38	0.62	185	0.103	2	1.90	0.025	0.07	0.1	<0.01	4.8	<0.1	<0.05	6	<0.5	<0.2
03223	Soil	49	0.70	440	0.101	1	2.20	0.024	0.06	0.1	0.02	7.6	<0.1	<0.05	6	0.7	<0.2
03224	Soil	40	0.71	369	0.103	<1	1.91	0.020	0.06	0.1	<0.01	4.8	<0.1	<0.05	7	<0.5	<0.2
03225	Soil	43	0.72	452	0.110	<1	1.87	0.024	0.06	0.1	0.02	6.0	<0.1	<0.05	6	<0.5	<0.2
03226	Soil	40	0.72	320	0.114	2	1.92	0.029	0.04	0.1	0.01	5.3	<0.1	<0.05	5	<0.5	<0.2
03227	Soil	44	0.64	280	0.083	<1	2.68	0.018	0.06	0.3	<0.01	4.5	0.1	<0.05	8	<0.5	<0.2
03228	Soil	40	0.64	250	0.102	2	2.42	0.019	0.05	0.1	0.02	4.9	<0.1	<0.05	7	<0.5	<0.2
03229	Soil	50	0.83	268	0.116	<1	3.26	0.025	0.07	<0.1	0.01	7.0	0.1	<0.05	7	<0.5	<0.2
03230	Soil	24	0.24	141	0.066	1	1.20	0.018	0.04	<0.1	<0.01	2.5	<0.1	<0.05	7	<0.5	<0.2
03236	Soil	79	1.34	159	0.169	2	2.03	0.024	0.13	0.6	0.03	5.5	<0.1	<0.05	8	<0.5	<0.2
03237	Soil	75	1.03	258	0.125	2	2.01	0.024	0.08	0.4	0.04	6.5	<0.1	<0.05	7	<0.5	<0.2
03239	Soil	56	1.02	297	0.101	2	2.23	0.028	0.08	0.3	0.04	6.4	<0.1	<0.05	6	<0.5	<0.2
03240	Soil	85	1.97	320	0.155	3	1.96	0.028	0.17	0.2	0.03	5.7	0.1	<0.05	6	<0.5	<0.2



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01	0.001
03241	Soil		0.8	97.7	8.2	76	0.1	122.1	20.7	602	3.80	76.6	26.8	3.4	82	<0.1	6.6	0.1	85	1.00	0.187	17		
03242	Soil		1.3	53.9	9.7	79	0.1	43.5	21.1	590	3.64	102.0	18.6	1.9	30	0.2	7.6	0.2	89	0.36	0.064	8		
03243	Soil		0.7	72.4	7.0	81	0.2	43.5	12.9	837	3.74	103.7	35.5	2.5	37	0.1	11.4	0.2	92	0.54	0.076	11		
03245	Soil		1.2	55.9	9.8	72	0.3	33.4	16.3	786	2.95	43.4	23.5	1.5	46	0.2	7.8	0.2	77	0.61	0.063	10		
03247	Soil		1.3	49.0	10.4	63	0.4	44.0	17.7	410	3.55	42.4	15.0	2.8	22	0.2	1.6	0.2	79	0.22	0.034	8		
03248	Soil		1.7	47.5	9.1	77	0.2	41.5	18.6	1160	3.61	17.0	3.7	2.7	27	0.2	2.7	0.2	79	0.32	0.038	9		
03249	Soil		0.9	65.3	8.7	61	<0.1	34.7	13.0	691	3.08	10.5	3.8	2.9	25	<0.1	3.1	0.1	67	0.29	0.018	9		
03250	Soil		1.6	38.4	11.4	63	<0.1	36.5	18.1	733	3.33	19.8	4.9	2.4	24	0.1	5.4	0.2	79	0.26	0.033	11		
03935	Soil		0.7	21.6	5.9	56	<0.1	18.2	8.5	233	2.53	22.8	268.0	1.9	30	<0.1	0.6	0.1	83	0.53	0.061	8		
03937	Soil		0.8	24.1	6.8	29	<0.1	13.1	6.6	187	1.87	24.2	<0.5	0.9	24	0.2	0.5	0.1	52	0.27	0.038	8		
03938	Soil		0.6	31.5	3.6	31	<0.1	20.0	10.2	176	2.15	13.6	13.9	1.1	31	<0.1	1.4	<0.1	60	0.39	0.027	5		
03939	Soil		0.7	45.8	4.0	32	<0.1	21.5	10.9	180	2.40	20.3	12.2	1.2	33	0.1	1.1	<0.1	70	0.45	0.022	5		
03940	Soil		1.1	16.3	5.5	38	<0.1	16.2	7.5	147	2.20	4.4	<0.5	0.9	22	0.2	0.5	0.1	66	0.25	0.020	4		
03941	Soil		0.8	70.4	4.6	41	<0.1	30.3	15.8	243	3.28	109.8	18.7	1.5	52	<0.1	2.0	0.1	88	0.79	0.030	6		
03942	Soil		1.3	38.9	5.2	26	0.1	13.7	5.5	120	1.85	8.1	4.2	1.1	24	0.1	0.7	0.1	58	0.36	0.013	5		
03943	Soil		0.7	88.6	4.7	52	0.1	28.2	14.4	504	3.13	36.2	3.7	1.6	54	0.2	1.4	<0.1	82	0.99	0.050	9		
03944	Soil		0.9	84.4	5.1	52	0.2	53.0	15.5	463	3.42	27.9	18.8	2.8	55	0.1	1.9	<0.1	87	0.94	0.110	15		
03945	Soil		1.8	62.7	5.9	63	0.2	66.6	18.4	519	3.66	17.9	4.3	3.0	64	0.1	0.7	<0.1	93	0.88	0.162	16		
03952	Soil		1.5	41.1	6.9	67	0.1	31.9	13.1	429	3.24	46.0	6.8	3.9	33	<0.1	1.3	0.1	82	0.49	0.099	12		
03953	Soil		2.1	44.9	8.0	73	<0.1	33.9	13.5	415	3.95	161.8	5.3	3.9	26	0.1	5.1	0.2	99	0.45	0.097	12		
03954	Soil		1.2	30.8	5.6	53	0.1	21.0	9.1	348	2.26	30.1	9.8	2.2	26	0.1	0.5	<0.1	58	0.38	0.088	10		
03955	Soil		1.5	42.6	5.2	44	0.2	21.1	8.1	276	2.25	14.2	5.4	2.3	28	0.2	0.4	<0.1	58	0.36	0.080	11		
03956	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.		
03957	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.		
03958	Soil		1.7	33.6	6.3	75	0.1	50.2	14.4	420	3.41	11.2	0.9	2.4	32	0.1	0.5	0.1	100	0.58	0.136	12		
03716	Soil		0.7	25.2	7.9	51	0.1	21.9	12.4	555	2.74	40.2	10.7	3.9	41	0.2	1.2	0.3	61	0.50	0.056	16		
03717	Soil		0.5	30.2	8.2	55	<0.1	22.8	11.7	418	2.66	11.8	5.2	4.4	30	0.1	1.3	0.1	63	0.47	0.050	14		
03718	Soil		1.2	34.1	4.8	43	0.2	19.3	15.0	771	1.85	12.1	8.7	0.9	50	0.3	0.9	0.1	44	1.08	0.063	13		
03719	Soil		0.4	33.3	4.9	48	0.1	20.5	9.2	324	1.93	9.7	7.0	1.2	50	0.3	0.8	<0.1	47	1.03	0.054	8		
03720	Soil		0.5	40.6	5.1	61	<0.1	29.4	11.9	301	2.53	22.6	5.8	2.5	39	0.2	1.2	<0.1	67	0.76	0.065	10		



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Acme Analytical Laboratories (Vancouver) Ltd.

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Client: **Gorilla Minerals Corp.**
1177 West Hastings Street
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Project: WELS
Report Date: September 12, 2012

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CERTIFICATE OF ANALYSIS

WHI12000311.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
03241	Soil	86	1.95	419	0.195	3	1.91	0.033	0.23	0.3	0.02	6.5	<0.1	<0.05	6	<0.5	<0.2
03242	Soil	45	0.65	350	0.104	2	2.40	0.021	0.09	0.1	<0.01	5.0	<0.1	<0.05	7	<0.5	<0.2
03243	Soil	43	1.07	640	0.157	<1	2.29	0.027	0.28	0.2	0.02	9.3	0.1	<0.05	7	<0.5	<0.2
03245	Soil	37	0.62	387	0.090	<1	2.05	0.033	0.07	0.2	0.06	6.8	0.1	0.05	6	<0.5	<0.2
03247	Soil	44	0.63	233	0.084	4	2.75	0.019	0.06	<0.1	0.04	5.8	<0.1	<0.05	7	<0.5	<0.2
03248	Soil	44	0.52	299	0.075	<1	2.39	0.016	0.06	<0.1	0.02	6.1	0.1	<0.05	7	<0.5	<0.2
03249	Soil	39	0.59	282	0.077	2	1.80	0.016	0.06	<0.1	0.01	5.0	<0.1	<0.05	5	<0.5	<0.2
03250	Soil	43	0.61	554	0.090	2	2.07	0.016	0.08	<0.1	<0.01	5.6	0.1	<0.05	7	<0.5	<0.2
03935	Soil	34	0.51	82	0.114	<1	1.27	0.025	0.05	0.5	0.02	4.2	<0.1	<0.05	6	<0.5	<0.2
03937	Soil	20	0.23	85	0.049	2	1.10	0.022	0.04	<0.1	0.05	2.2	<0.1	<0.05	5	<0.5	<0.2
03938	Soil	24	0.38	84	0.083	2	1.44	0.031	0.03	<0.1	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
03939	Soil	24	0.43	102	0.077	<1	1.83	0.028	0.04	0.1	0.01	3.3	<0.1	<0.05	6	<0.5	<0.2
03940	Soil	22	0.34	62	0.068	<1	1.32	0.031	0.06	<0.1	0.01	2.4	<0.1	<0.05	6	<0.5	<0.2
03941	Soil	30	0.61	109	0.090	<1	2.33	0.046	0.05	0.2	<0.01	5.3	<0.1	<0.05	7	<0.5	<0.2
03942	Soil	20	0.28	68	0.062	<1	1.17	0.027	0.07	<0.1	<0.01	2.5	<0.1	<0.05	6	<0.5	<0.2
03943	Soil	29	0.63	153	0.093	<1	2.02	0.056	0.04	0.1	0.02	5.4	<0.1	<0.05	7	<0.5	<0.2
03944	Soil	47	1.02	136	0.153	3	1.85	0.067	0.15	0.2	0.03	6.0	<0.1	<0.05	6	<0.5	<0.2
03945	Soil	67	1.24	143	0.208	2	1.64	0.033	0.22	0.2	0.04	5.6	0.1	<0.05	6	<0.5	<0.2
03952	Soil	42	0.86	121	0.148	3	1.76	0.025	0.10	0.2	0.02	4.6	0.1	<0.05	7	<0.5	<0.2
03953	Soil	48	1.05	110	0.206	<1	1.99	0.018	0.18	0.3	0.02	5.4	0.1	<0.05	9	<0.5	<0.2
03954	Soil	30	0.58	80	0.126	<1	1.16	0.024	0.10	0.2	0.02	3.0	<0.1	<0.05	5	<0.5	<0.2
03955	Soil	29	0.55	95	0.111	2	1.14	0.024	0.09	0.2	0.04	3.2	<0.1	<0.05	5	<0.5	<0.2
03956	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.
03957	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.
03958	Soil	69	1.19	103	0.206	<1	1.70	0.023	0.13	0.2	0.02	4.1	<0.1	<0.05	8	<0.5	<0.2
03716	Soil	33	0.57	145	0.086	<1	1.72	0.029	0.07	0.1	0.05	5.8	0.1	<0.05	6	<0.5	<0.2
03717	Soil	33	0.74	174	0.087	<1	1.82	0.029	0.09	0.1	0.02	5.8	0.1	<0.05	6	0.5	<0.2
03718	Soil	22	0.38	161	0.039	2	1.31	0.023	0.04	<0.1	0.06	3.9	<0.1	0.06	4	0.7	<0.2
03719	Soil	26	0.54	180	0.061	2	1.46	0.033	0.05	<0.1	0.04	4.1	<0.1	<0.05	4	0.9	<0.2
03720	Soil	32	0.67	187	0.093	2	1.50	0.040	0.07	0.1	0.04	5.3	<0.1	<0.05	5	0.6	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
03721	Soil	0.7	46.2	5.0	58	<0.1	34.2	15.5	313	3.01	43.0	18.2	1.7	32	<0.1	1.4	<0.1	78	0.55	0.043	6
03722	Soil	0.6	71.6	5.0	42	0.1	31.2	16.1	487	2.98	38.5	21.5	1.4	43	0.1	1.5	<0.1	78	0.91	0.037	8
03723	Soil	0.6	55.8	4.9	47	0.1	28.7	12.4	373	2.97	23.3	14.9	1.8	40	<0.1	0.8	<0.1	78	0.76	0.045	9
03724	Soil	0.6	54.8	4.2	39	0.1	20.7	11.2	409	2.34	29.7	13.5	1.5	44	0.1	0.8	<0.1	59	0.91	0.047	8
03725	Soil	0.6	47.9	5.2	56	<0.1	27.8	12.5	544	2.82	13.1	4.7	2.1	43	0.2	0.7	<0.1	71	0.88	0.067	10
03729	Soil	1.6	43.1	7.3	58	<0.1	29.3	13.1	374	2.82	15.2	4.9	1.8	23	0.2	0.4	<0.1	81	0.44	0.095	11
03730	Soil	1.9	38.7	6.6	56	0.1	29.1	14.1	464	3.07	16.1	3.7	3.3	28	<0.1	0.6	<0.1	80	0.46	0.078	12
03731	Soil	1.5	39.6	6.7	70	<0.1	36.7	16.3	542	3.40	28.2	13.0	4.8	25	<0.1	0.6	<0.1	90	0.56	0.140	14
03732	Soil	1.0	29.1	5.8	51	<0.1	27.4	10.9	302	2.72	20.2	6.8	3.0	32	0.1	0.5	<0.1	75	0.58	0.089	11
03733	Soil	0.9	42.1	5.6	55	<0.1	31.0	12.0	386	3.03	14.6	8.8	4.3	39	0.1	0.4	<0.1	83	0.69	0.116	15
03734	Soil	1.5	25.8	7.3	63	0.2	50.1	15.6	349	3.68	30.7	105.2	4.6	25	<0.1	0.8	<0.1	100	0.42	0.073	12
03735	Soil	1.6	21.9	7.6	58	<0.1	29.1	13.2	613	2.70	80.9	12.5	2.6	24	<0.1	1.3	<0.1	73	0.38	0.058	8
03736	Soil	2.1	40.1	5.9	70	0.2	36.7	23.7	789	3.25	28.5	8.2	2.1	22	0.1	0.4	<0.1	93	0.38	0.109	9
03737	Soil	1.0	26.2	5.0	38	0.2	28.9	7.2	197	1.80	10.1	2.1	1.1	35	0.2	0.3	<0.1	45	0.49	0.053	9
03738	Soil	1.7	37.1	6.2	69	0.1	93.7	18.6	555	3.52	23.3	7.1	2.8	24	0.1	0.5	<0.1	91	0.47	0.113	12
03739	Soil	1.4	34.7	7.5	73	0.1	62.5	17.8	500	3.31	33.9	5.2	3.2	36	0.1	0.4	<0.1	83	0.62	0.117	11
03740	Soil	1.2	46.5	8.4	84	0.1	100.8	22.2	608	3.84	45.0	17.6	3.6	40	0.1	0.7	0.1	96	0.78	0.173	14
03741	Soil	1.1	36.1	7.6	58	0.1	123.9	15.9	1080	2.31	22.4	3.8	0.8	64	0.3	0.7	<0.1	54	1.06	0.121	8
03742	Soil	0.6	52.7	5.3	51	0.1	29.0	11.7	263	2.28	44.3	26.4	1.1	34	0.2	1.3	<0.1	60	0.69	0.053	8
03743	Soil	0.5	51.8	3.3	28	0.1	18.6	6.7	189	1.35	38.6	17.4	0.2	40	0.1	0.8	<0.1	29	0.82	0.061	9
03744	Soil	0.6	47.0	4.7	62	0.2	38.7	17.3	257	2.71	205.6	672.3	1.0	36	0.3	1.3	0.1	69	0.59	0.062	8
03745	Soil	0.9	54.9	5.4	42	<0.1	23.6	12.1	160	2.78	15.4	6.6	1.5	23	<0.1	0.7	<0.1	79	0.26	0.025	5
03746	Soil	1.1	32.0	6.3	39	0.2	17.9	9.7	194	2.46	15.3	4.2	1.2	21	0.3	0.5	<0.1	68	0.31	0.024	5
03747	Soil	1.1	53.8	8.5	46	0.2	27.7	12.4	343	3.23	22.5	3.7	1.4	33	0.2	0.9	<0.1	84	0.68	0.028	7
03748	Soil	1.9	67.2	5.3	60	0.3	56.9	13.1	536	2.61	19.7	5.3	2.1	61	0.3	0.6	<0.1	66	0.95	0.143	15
03749	Soil	1.3	35.4	6.4	56	0.1	23.7	7.7	184	2.30	17.7	3.4	1.6	22	0.2	0.5	<0.1	56	0.36	0.080	8
04502	Soil	2.0	52.8	7.4	53	0.4	23.1	12.5	409	2.51	29.7	5.9	2.4	23	0.1	3.5	<0.1	68	0.38	0.104	12
04503	Soil	1.5	47.4	5.8	61	0.2	33.6	12.5	445	3.13	16.7	6.1	3.1	28	0.1	0.5	<0.1	81	0.57	0.129	13
04504	Soil	2.3	50.4	8.0	81	<0.1	42.6	16.8	464	4.26	15.2	1.6	2.7	31	<0.1	0.5	<0.1	112	0.68	0.198	14
04505	Soil	1.4	53.5	7.6	73	<0.1	42.3	16.5	429	3.77	22.7	2.5	3.4	32	<0.1	0.6	<0.1	98	0.69	0.160	16



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
03721	Soil	36	0.65	169	0.083	<1	2.25	0.039	0.07	0.2	<0.01	4.9	<0.1	<0.05	7	<0.5	<0.2
03722	Soil	32	0.65	154	0.080	<1	2.08	0.044	0.04	0.2	0.01	5.9	<0.1	<0.05	6	<0.5	<0.2
03723	Soil	33	0.65	158	0.091	<1	2.06	0.051	0.05	0.1	0.03	5.8	<0.1	<0.05	6	<0.5	<0.2
03724	Soil	25	0.56	133	0.078	1	1.56	0.042	0.03	0.2	0.03	5.4	<0.1	<0.05	5	0.5	<0.2
03725	Soil	32	0.68	144	0.096	2	1.56	0.052	0.04	0.1	0.02	5.3	<0.1	<0.05	5	0.6	<0.2
03729	Soil	38	0.78	116	0.160	2	1.43	0.023	0.20	0.3	0.02	3.5	0.1	<0.05	7	<0.5	<0.2
03730	Soil	37	0.74	131	0.144	2	1.82	0.021	0.09	0.3	0.03	4.2	0.1	<0.05	7	<0.5	<0.2
03731	Soil	44	1.08	124	0.212	2	1.74	0.026	0.27	0.3	<0.01	4.1	0.2	<0.05	7	<0.5	<0.2
03732	Soil	37	0.74	120	0.149	2	1.67	0.022	0.09	0.3	0.02	3.9	<0.1	<0.05	6	<0.5	<0.2
03733	Soil	42	0.83	145	0.165	2	1.68	0.031	0.12	0.3	0.01	5.6	0.1	<0.05	6	<0.5	<0.2
03734	Soil	70	1.26	131	0.232	1	1.97	0.022	0.08	0.2	0.02	4.1	0.2	<0.05	7	<0.5	<0.2
03735	Soil	39	0.72	90	0.132	2	1.31	0.016	0.08	0.2	0.02	3.1	<0.1	<0.05	6	<0.5	<0.2
03736	Soil	48	0.97	105	0.170	2	1.53	0.021	0.07	0.2	0.03	4.1	0.1	<0.05	7	<0.5	<0.2
03737	Soil	29	0.58	117	0.101	1	1.15	0.019	0.05	0.1	0.03	2.9	<0.1	<0.05	5	<0.5	<0.2
03738	Soil	86	1.83	150	0.212	2	1.88	0.021	0.22	0.2	0.02	4.2	0.2	<0.05	7	<0.5	<0.2
03739	Soil	58	1.35	123	0.195	3	1.65	0.026	0.16	0.2	0.02	4.2	0.1	<0.05	7	<0.5	<0.2
03740	Soil	94	1.90	160	0.221	3	1.75	0.029	0.23	0.1	0.03	5.2	0.1	<0.05	7	<0.5	<0.2
03741	Soil	65	1.17	163	0.083	5	0.94	0.022	0.10	0.1	0.05	3.1	<0.1	0.07	3	<0.5	<0.2
03742	Soil	32	0.64	135	0.067	3	1.86	0.034	0.04	0.3	0.03	4.6	<0.1	<0.05	5	<0.5	<0.2
03743	Soil	19	0.28	97	0.029	3	1.31	0.023	0.03	0.2	0.06	2.6	<0.1	0.06	3	0.6	<0.2
03744	Soil	42	0.75	145	0.075	2	2.23	0.042	0.06	3.8	0.03	4.8	0.1	<0.05	6	<0.5	<0.2
03745	Soil	30	0.43	93	0.092	1	2.24	0.022	0.03	0.1	0.01	3.6	<0.1	<0.05	7	<0.5	<0.2
03746	Soil	24	0.34	117	0.069	<1	1.56	0.026	0.06	<0.1	0.02	2.7	<0.1	<0.05	6	<0.5	<0.2
03747	Soil	36	0.56	143	0.073	2	2.06	0.027	0.04	0.1	0.01	4.0	<0.1	<0.05	7	<0.5	<0.2
03748	Soil	51	0.97	138	0.143	3	1.44	0.030	0.17	0.2	0.05	5.5	<0.1	<0.05	5	<0.5	<0.2
03749	Soil	35	0.63	104	0.141	2	1.40	0.021	0.09	0.3	0.03	3.6	<0.1	<0.05	6	<0.5	<0.2
04502	Soil	35	0.63	108	0.107	2	1.36	0.025	0.11	0.1	0.05	4.2	0.1	<0.05	6	<0.5	<0.2
04503	Soil	38	0.89	126	0.185	2	1.55	0.027	0.19	0.2	0.03	4.0	0.1	<0.05	6	<0.5	<0.2
04504	Soil	54	1.41	118	0.227	2	1.88	0.021	0.29	0.3	0.01	4.0	0.1	<0.05	8	<0.5	<0.2
04505	Soil	47	1.26	163	0.238	2	1.98	0.025	0.24	0.3	<0.01	4.4	0.1	<0.05	7	<0.5	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
04506	Soil	1.5	94.2	6.7	91	<0.1	60.8	24.2	807	5.14	23.9	2.8	4.3	35	<0.1	0.9	<0.1	111	0.84	0.240	21
04507	Soil	1.9	56.5	7.1	73	0.1	50.0	20.8	476	4.40	13.8	<0.5	2.9	24	<0.1	0.6	0.2	109	0.53	0.133	13
04508	Soil	1.3	52.1	6.5	65	0.2	35.8	13.6	306	3.29	14.0	7.0	2.7	27	<0.1	0.6	0.1	90	0.47	0.103	11
04509	Soil	2.0	61.6	8.1	64	0.2	37.6	16.3	442	3.57	44.0	8.6	2.7	30	0.1	0.7	0.1	96	0.54	0.130	14
04510	Soil	1.6	43.8	5.7	42	0.3	22.3	8.9	246	2.34	6.8	2.9	0.8	22	0.2	0.4	<0.1	57	0.32	0.085	10
04511	Soil	2.1	67.0	7.4	81	0.2	47.1	21.6	636	4.15	43.0	29.5	3.3	34	0.2	0.7	0.1	110	0.68	0.161	16
04512	Soil	2.1	46.8	7.5	75	0.1	39.0	17.7	645	3.38	23.5	7.3	2.5	31	0.1	0.7	0.2	97	0.62	0.150	14
04513	Soil	1.6	63.8	5.8	75	0.1	44.0	20.5	615	3.77	34.5	9.9	2.7	35	<0.1	1.7	0.1	97	0.71	0.174	16
04514	Soil	1.8	55.1	7.4	77	0.1	41.8	16.9	432	3.61	29.8	6.1	2.8	30	0.2	1.7	<0.1	102	0.63	0.161	14
04515	Soil	1.9	43.9	7.0	69	0.2	31.4	19.2	791	3.07	20.5	5.7	1.8	26	0.1	0.9	0.1	90	0.46	0.107	10
04516	Soil	1.8	45.2	6.4	72	0.2	34.9	15.7	529	3.21	18.5	5.9	1.7	26	0.1	0.7	0.1	92	0.45	0.128	11
04517	Soil	1.4	72.7	6.4	59	0.4	46.6	12.5	325	2.99	15.1	6.5	1.9	34	0.2	0.6	0.1	76	0.51	0.099	11
04518	Soil	1.7	53.8	9.6	66	0.1	40.1	17.3	566	3.59	14.8	5.7	2.2	31	<0.1	0.6	0.1	94	0.56	0.139	14
04519	Soil	2.0	45.3	8.7	61	0.1	38.8	15.7	376	3.61	14.3	8.5	2.5	29	0.1	0.5	0.1	98	0.57	0.118	13
04520	Soil	1.7	59.7	7.2	66	0.1	52.6	20.2	625	4.15	17.7	2.2	3.0	32	0.2	0.6	0.1	115	0.74	0.179	18
04521	Soil	2.0	59.7	9.6	65	0.2	44.7	17.3	373	4.00	45.2	356.8	2.7	33	0.1	0.7	0.1	107	0.60	0.120	13
04522	Soil	2.9	71.0	7.3	73	0.3	56.5	21.6	1206	3.76	25.0	6.9	3.0	52	0.2	0.7	0.1	111	0.91	0.148	16
04524	Soil	0.8	50.4	8.6	61	0.1	30.2	13.9	490	2.68	27.6	16.0	1.5	34	0.1	6.3	0.2	74	0.54	0.054	9
04525	Soil	0.7	69.3	8.8	70	0.2	36.2	16.7	587	3.40	60.2	28.9	2.2	33	0.1	9.6	0.2	88	0.54	0.053	11
04526	Soil	0.8	62.4	7.0	62	0.2	49.3	19.2	1043	2.93	72.8	21.4	1.7	57	0.1	5.2	0.1	78	0.87	0.082	11
04527	Soil	0.6	59.6	8.4	61	0.2	44.2	16.6	640	2.73	56.5	27.8	1.7	59	0.2	8.4	0.1	75	0.92	0.075	11
04528	Soil	0.9	65.6	6.4	69	0.2	57.4	23.4	986	3.38	109.5	96.5	1.9	34	0.2	43.1	0.2	95	0.60	0.100	11
04529	Soil	1.5	40.9	6.8	70	0.2	50.0	15.4	474	3.30	35.9	10.9	1.6	32	0.1	3.2	<0.1	95	0.53	0.138	12
04533	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.
04534	Soil	0.9	71.0	7.8	57	0.2	37.6	12.2	365	3.10	44.8	30.8	2.2	27	<0.1	3.8	0.1	78	0.41	0.041	13
04535	Soil	0.7	47.7	6.5	49	<0.1	33.8	12.6	446	3.28	14.1	8.6	2.4	32	<0.1	1.1	0.1	88	0.41	0.020	14
04536	Soil	1.1	44.3	7.6	49	0.3	30.4	13.0	524	2.90	13.2	3.4	1.5	23	0.2	1.6	0.1	78	0.32	0.051	8
04537	Soil	0.9	44.9	8.6	59	<0.1	40.6	13.3	518	3.35	24.3	6.2	2.0	35	0.1	1.9	0.1	88	0.53	0.033	9
04538	Soil	1.3	44.6	7.5	56	0.4	31.8	11.4	354	3.73	30.2	10.0	2.0	20	0.1	1.7	0.2	88	0.28	0.048	10
04539	Soil	1.4	40.3	8.0	62	0.2	43.9	17.2	380	4.09	35.7	7.0	2.6	21	0.1	2.8	0.2	96	0.28	0.030	8



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
04506	Soil	66	2.03	211	0.255	3	2.35	0.024	0.48	0.3	0.01	6.3	0.2	<0.05	8	<0.5	<0.2
04507	Soil	50	1.29	158	0.254	2	2.36	0.018	0.16	0.3	0.01	3.7	0.2	<0.05	8	<0.5	<0.2
04508	Soil	44	0.91	142	0.162	3	1.94	0.019	0.07	0.2	0.03	4.1	0.1	<0.05	7	<0.5	<0.2
04509	Soil	46	1.07	134	0.181	2	1.68	0.024	0.19	0.3	0.02	4.0	0.1	<0.05	7	<0.5	<0.2
04510	Soil	30	0.52	99	0.093	3	1.30	0.024	0.07	0.1	0.04	3.0	<0.1	0.05	4	<0.5	<0.2
04511	Soil	55	1.28	174	0.246	3	2.10	0.023	0.21	0.2	0.03	5.5	0.1	<0.05	7	<0.5	<0.2
04512	Soil	48	1.13	141	0.242	4	1.70	0.024	0.24	0.2	0.03	4.4	0.1	<0.05	7	<0.5	<0.2
04513	Soil	48	1.26	149	0.231	4	1.77	0.030	0.25	0.3	0.01	4.2	0.2	<0.05	6	<0.5	<0.2
04514	Soil	49	1.12	138	0.239	3	1.73	0.024	0.22	0.3	0.02	4.0	0.1	<0.05	7	<0.5	<0.2
04515	Soil	42	0.88	119	0.176	4	1.63	0.023	0.10	0.2	0.04	3.7	0.1	<0.05	6	<0.5	<0.2
04516	Soil	44	0.91	141	0.183	3	1.65	0.021	0.10	0.2	0.04	4.4	0.1	<0.05	6	<0.5	<0.2
04517	Soil	51	0.94	140	0.168	3	1.46	0.027	0.18	0.2	0.04	4.7	0.1	<0.05	6	<0.5	<0.2
04518	Soil	52	1.11	133	0.236	3	1.74	0.021	0.28	0.3	0.02	4.7	0.1	<0.05	7	<0.5	<0.2
04519	Soil	48	1.01	142	0.208	3	1.91	0.023	0.19	0.3	0.02	4.0	0.1	<0.05	7	<0.5	<0.2
04520	Soil	59	1.20	174	0.303	9	2.06	0.024	0.52	0.6	0.01	4.6	0.2	<0.05	7	<0.5	<0.2
04521	Soil	49	1.16	166	0.226	3	2.07	0.023	0.21	0.3	0.01	4.1	0.1	<0.05	7	<0.5	<0.2
04522	Soil	64	1.14	150	0.200	3	1.87	0.030	0.25	0.2	0.04	5.5	0.2	<0.05	7	<0.5	<0.2
04524	Soil	44	0.66	376	0.099	2	1.73	0.031	0.06	0.2	0.05	5.6	<0.1	<0.05	6	<0.5	<0.2
04525	Soil	39	0.79	403	0.128	2	1.92	0.031	0.10	0.2	0.03	7.0	<0.1	<0.05	6	<0.5	<0.2
04526	Soil	53	0.81	331	0.107	2	1.62	0.036	0.06	0.2	0.05	5.9	<0.1	<0.05	5	<0.5	<0.2
04527	Soil	44	0.77	281	0.104	2	1.64	0.033	0.07	0.3	0.05	5.8	<0.1	<0.05	5	<0.5	<0.2
04528	Soil	74	1.03	272	0.137	2	2.04	0.029	0.08	0.4	0.06	7.0	0.1	<0.05	6	<0.5	<0.2
04529	Soil	57	1.00	184	0.159	2	1.63	0.023	0.07	0.2	0.05	4.4	<0.1	<0.05	6	<0.5	<0.2
04533	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.
04534	Soil	46	0.63	824	0.103	2	1.84	0.023	0.05	0.1	0.05	7.0	0.1	<0.05	5	<0.5	<0.2
04535	Soil	54	0.70	259	0.110	1	1.87	0.025	0.04	<0.1	0.04	10.1	<0.1	<0.05	6	<0.5	<0.2
04536	Soil	39	0.58	295	0.087	1	2.03	0.022	0.04	0.1	0.02	4.3	0.1	<0.05	6	<0.5	<0.2
04537	Soil	48	0.74	339	0.107	2	2.26	0.022	0.05	<0.1	0.03	5.3	<0.1	<0.05	6	<0.5	<0.2
04538	Soil	44	0.63	419	0.087	1	2.44	0.018	0.06	0.1	0.04	5.1	0.1	<0.05	8	<0.5	<0.2
04539	Soil	52	0.74	333	0.109	2	3.34	0.017	0.05	<0.1	0.03	5.0	0.1	<0.05	8	<0.5	<0.2



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	Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15				
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01	0.001	1
04540	Soil					1.2	39.9	7.4	53	0.2	35.4	12.7	303	3.55	12.2	4.0	2.5	22	<0.1	1.8	0.1	92	0.30	0.029	11
04541	Soil					1.4	89.4	6.6	60	<0.1	135.0	21.8	512	3.96	10.6	3.0	3.5	57	<0.1	0.5	<0.1	95	0.87	0.220	19
04542	Soil					0.6	90.5	8.3	67	<0.1	167.4	26.7	511	4.45	4.3	2.4	3.7	115	<0.1	0.3	<0.1	79	1.41	0.361	28
04543	Soil					1.3	70.6	7.4	68	<0.1	131.9	23.3	561	4.27	8.7	2.8	3.4	66	<0.1	0.4	<0.1	90	1.06	0.259	22
04544	Soil					1.1	72.4	7.7	78	<0.1	74.1	23.0	735	4.43	62.9	4.9	4.4	59	0.1	7.3	0.1	120	1.14	0.318	27
04545	Soil					1.0	57.7	8.5	71	0.1	54.8	20.0	597	3.77	27.4	7.0	3.2	42	0.2	4.5	0.1	101	0.71	0.150	16
04546	Soil					1.0	51.3	7.5	69	0.2	45.1	16.2	614	3.38	28.3	5.8	2.7	41	0.1	3.3	0.1	94	0.65	0.117	15
04547	Soil					1.3	56.6	8.2	92	0.2	90.6	22.7	888	3.76	16.0	8.0	3.5	49	0.2	6.6	0.1	98	0.76	0.187	17
04549	Soil					1.8	68.8	9.3	75	0.2	110.4	28.5	911	4.09	32.3	16.8	3.3	58	0.2	6.3	<0.1	109	0.83	0.206	19
04550	Soil					1.7	25.3	6.2	45	0.4	29.2	8.7	171	2.33	28.9	4.2	0.9	23	0.5	2.2	0.1	68	0.23	0.058	6
04555	Soil					1.2	37.6	9.2	56	<0.1	42.9	17.6	377	3.70	18.3	11.0	2.4	16	<0.1	2.4	0.2	94	0.21	0.019	7
04556	Soil					1.2	42.1	7.9	56	0.1	37.1	15.5	468	3.60	30.2	9.4	2.6	25	<0.1	1.8	0.1	95	0.35	0.019	13
04557	Soil					0.9	38.2	8.3	51	0.1	34.8	15.1	433	3.31	35.8	15.6	2.4	28	0.1	5.0	0.1	88	0.39	0.025	10
04558	Soil					1.8	35.0	8.1	63	0.1	33.1	19.1	892	3.53	56.5	13.5	1.7	23	0.1	7.9	0.2	96	0.33	0.037	8
04559	Soil					1.3	68.6	8.5	68	0.3	41.3	14.1	671	3.29	108.5	63.3	1.5	27	0.2	7.0	0.2	82	0.41	0.051	13
04560	Soil					1.3	45.4	8.5	57	0.3	34.1	14.3	549	3.18	57.9	18.5	2.1	25	0.1	2.2	0.1	81	0.31	0.028	12
04561	Soil					0.9	28.5	5.6	55	<0.1	32.8	11.8	513	3.08	24.4	6.9	2.0	22	<0.1	2.7	0.1	85	0.35	0.025	7
04562	Soil					0.9	33.9	9.6	49	<0.1	37.0	12.8	522	3.11	16.6	4.5	2.5	31	<0.1	1.0	<0.1	88	0.51	0.024	11
04563	Soil					1.1	31.4	8.7	57	0.1	33.0	14.0	611	3.00	20.7	5.7	2.3	25	<0.1	2.8	0.1	80	0.39	0.017	11
04564	Soil					1.5	42.4	9.3	54	0.2	39.7	14.9	1021	3.25	31.6	8.4	2.5	37	0.1	2.7	0.2	79	0.64	0.021	14
03444	Soil					0.7	56.0	5.3	59	0.3	30.0	17.8	353	3.25	359.3	122.5	1.3	39	0.1	6.6	<0.1	96	0.83	0.059	7
03446	Soil					0.9	70.3	4.9	40	0.2	32.2	21.0	305	3.55	92.0	37.4	1.5	30	<0.1	3.0	0.3	99	0.42	0.026	6
03447	Soil					1.4	29.7	5.9	49	0.1	21.1	11.6	356	2.78	21.6	3.5	0.8	25	<0.1	0.7	0.2	74	0.33	0.030	5
03450	Soil					1.3	40.0	7.5	63	0.1	38.5	16.5	277	3.81	18.3	2.1	2.0	25	<0.1	0.7	0.1	100	0.29	0.027	7
03451	Soil					1.3	22.6	8.7	52	<0.1	29.1	14.9	652	3.21	10.9	2.1	2.5	29	<0.1	0.6	0.1	85	0.49	0.025	10
03460	Soil					0.4	5.1	14.5	59	1.2	4.9	19.9	2087	4.39	2110	3740	8.1	27	0.2	36.2	<0.1	91	0.69	0.070	21
03461	Soil					0.3	5.4	9.2	55	0.8	4.2	15.2	1500	4.36	1733	1985	9.9	31	0.1	16.0	<0.1	92	0.66	0.081	27
03462	Soil					0.5	9.4	45.8	64	1.9	6.6	17.5	1898	4.64	3107	5204	9.2	34	0.2	34.6	0.2	91	0.66	0.080	26
03908	Soil					2.7	38.0	9.5	65	0.3	33.9	13.2	569	3.05	26.5	10.8	2.6	40	0.3	1.2	0.1	80	0.69	0.053	13
03909	Soil					1.8	34.2	8.9	57	0.2	26.9	11.7	646	2.81	49.3	18.0	2.1	36	0.2	1.3	0.1	69	0.57	0.050	11



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
04540	Soil	50	0.67	612	0.097	1	2.49	0.016	0.04	0.1	0.03	5.9	0.1	<0.05	7	<0.5	<0.2
04541	Soil	83	2.18	355	0.187	3	2.23	0.024	0.28	0.2	0.01	4.7	0.1	<0.05	7	<0.5	<0.2
04542	Soil	70	2.83	197	0.185	2	2.92	0.027	0.27	<0.1	0.01	4.6	<0.1	<0.05	8	<0.5	<0.2
04543	Soil	88	2.49	155	0.184	3	2.42	0.028	0.22	0.2	0.01	4.1	<0.1	<0.05	8	<0.5	<0.2
04544	Soil	77	1.64	208	0.289	3	2.18	0.030	0.54	0.2	0.02	6.1	0.2	<0.05	8	<0.5	<0.2
04545	Soil	61	1.26	195	0.211	2	2.21	0.031	0.20	0.2	0.03	5.9	0.1	<0.05	8	<0.5	<0.2
04546	Soil	54	1.01	190	0.175	2	2.00	0.025	0.09	0.2	0.03	5.9	0.1	<0.05	7	<0.5	<0.2
04547	Soil	132	1.31	198	0.153	2	1.96	0.023	0.15	<0.1	0.04	8.3	<0.1	<0.05	8	<0.5	<0.2
04549	Soil	112	1.80	402	0.184	2	2.01	0.024	0.10	0.2	0.03	6.2	0.1	<0.05	7	<0.5	<0.2
04550	Soil	33	0.44	93	0.076	1	1.16	0.017	0.05	0.1	0.02	2.2	<0.1	<0.05	5	<0.5	<0.2
04555	Soil	52	0.74	465	0.098	1	2.93	0.011	0.06	<0.1	0.02	4.3	0.1	<0.05	8	<0.5	<0.2
04556	Soil	52	0.73	542	0.112	2	2.41	0.018	0.04	<0.1	0.02	7.6	0.1	<0.05	7	<0.5	<0.2
04557	Soil	49	0.75	247	0.109	1	2.27	0.018	0.04	0.1	0.02	6.0	<0.1	<0.05	6	<0.5	<0.2
04558	Soil	44	0.71	339	0.102	2	2.11	0.014	0.07	0.2	0.02	4.5	0.1	<0.05	7	<0.5	<0.2
04559	Soil	43	0.65	646	0.065	2	2.25	0.016	0.06	0.1	0.04	6.1	0.1	<0.05	6	<0.5	<0.2
04560	Soil	44	0.63	491	0.084	1	2.17	0.018	0.04	<0.1	0.03	6.4	0.1	<0.05	6	<0.5	<0.2
04561	Soil	42	0.69	279	0.100	1	1.90	0.015	0.04	0.1	0.02	4.2	<0.1	<0.05	6	<0.5	<0.2
04562	Soil	52	0.77	286	0.131	2	1.84	0.028	0.06	0.1	0.02	7.5	<0.1	<0.05	5	<0.5	<0.2
04563	Soil	44	0.60	264	0.089	1	1.88	0.022	0.06	0.1	0.02	6.0	<0.1	<0.05	6	<0.5	<0.2
04564	Soil	49	0.61	427	0.094	2	1.97	0.029	0.07	<0.1	0.03	7.6	<0.1	<0.05	5	<0.5	<0.2
03444	Soil	32	0.79	108	0.100	2	1.73	0.045	0.06	2.6	0.02	5.7	<0.1	<0.05	6	<0.5	<0.2
03446	Soil	33	0.55	117	0.089	1	2.56	0.033	0.04	0.5	0.03	4.9	0.1	<0.05	9	0.5	<0.2
03447	Soil	27	0.43	106	0.069	2	1.74	0.026	0.03	0.2	0.03	2.7	0.1	<0.05	7	<0.5	<0.2
03450	Soil	47	0.69	140	0.098	1	3.08	0.018	0.03	<0.1	0.01	4.4	0.1	<0.05	8	<0.5	<0.2
03451	Soil	46	0.66	192	0.093	1	2.07	0.025	0.04	<0.1	0.02	5.5	0.1	<0.05	7	<0.5	<0.2
03460	Soil	12	1.15	543	0.124	<1	2.29	0.026	0.40	3.6	0.05	12.0	0.3	<0.05	8	<0.5	<0.2
03461	Soil	13	1.05	375	0.161	<1	2.01	0.047	0.43	1.2	0.02	12.8	0.3	<0.05	7	<0.5	<0.2
03462	Soil	15	0.97	408	0.138	<1	1.92	0.037	0.36	3.8	0.05	14.5	0.3	<0.05	7	<0.5	<0.2
03908	Soil	43	0.80	347	0.101	2	2.15	0.038	0.06	0.1	0.03	7.0	<0.1	<0.05	6	<0.5	<0.2
03909	Soil	39	0.59	388	0.089	<1	1.91	0.031	0.06	0.1	0.03	5.2	<0.1	<0.05	6	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
03910	Soil	0.9	37.2	8.2	46	0.2	33.6	14.2	399	3.55	15.2	7.7	3.0	35	<0.1	0.7	0.1	93	0.44	0.017	14
03911	Soil	1.4	24.2	7.9	55	1.1	31.0	14.1	1535	2.98	10.6	3.1	1.8	38	0.1	0.6	0.1	75	0.55	0.026	9
03912	Soil	1.0	35.4	6.1	41	0.1	31.7	13.2	698	2.89	18.6	2.8	2.2	33	<0.1	0.6	<0.1	75	0.65	0.020	11
03913	Soil	1.9	53.3	9.7	56	0.5	43.8	18.2	1036	3.24	125.3	30.2	2.6	36	0.1	3.3	0.1	69	0.53	0.018	16
03916	Soil	1.3	22.1	6.9	61	0.5	19.5	11.3	660	2.72	21.8	4.5	1.0	17	<0.1	1.4	0.1	63	0.21	0.031	5
03917	Soil	1.7	31.5	10.5	54	0.6	27.4	14.8	812	2.99	96.0	4.4	1.7	22	<0.1	2.2	0.1	69	0.27	0.041	9
03919	Soil	0.7	37.0	8.7	49	0.1	25.5	11.1	582	2.76	10.9	8.9	1.9	34	<0.1	1.1	<0.1	70	0.51	0.052	10
03920	Soil	0.8	42.1	8.2	51	<0.1	26.3	12.5	480	2.81	13.7	4.9	2.1	37	0.1	1.0	<0.1	70	0.62	0.050	10
03921	Soil	0.8	57.7	7.4	56	<0.1	37.7	15.9	821	3.16	15.8	13.2	2.2	48	<0.1	1.2	<0.1	76	0.96	0.062	13
03922	Soil	0.6	49.8	6.4	48	0.1	31.5	13.2	474	2.97	19.5	7.0	1.8	65	0.1	1.1	<0.1	73	1.82	0.053	11
03924	Soil	0.8	43.3	6.9	55	0.1	28.1	14.3	498	3.16	15.1	8.2	1.9	36	0.1	1.1	<0.1	84	0.63	0.073	12
03925	Soil	0.8	28.2	9.0	86	0.1	20.8	9.8	377	2.31	7.9	3.7	1.9	35	0.4	0.6	<0.1	55	0.61	0.050	14
03928	Soil	0.8	37.3	10.1	54	0.1	26.6	11.3	486	2.96	28.3	12.3	2.4	36	0.1	1.9	<0.1	71	0.54	0.064	12
03929	Soil	1.3	28.1	9.1	46	0.2	17.6	7.8	287	2.33	25.5	5.2	1.6	24	0.1	2.3	0.1	58	0.30	0.039	10
03930	Soil	1.4	96.2	9.9	47	0.2	47.2	13.4	1151	2.87	83.6	27.0	1.1	78	0.2	3.7	0.1	61	1.01	0.067	17
03931	Soil	1.5	38.4	15.2	71	0.2	30.5	11.4	619	2.87	34.3	10.0	3.1	35	0.2	4.7	0.1	64	0.45	0.043	12



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
03910	Soil	54	0.74	408	0.119	1	2.54	0.025	0.04	<0.1	0.02	8.8	<0.1	<0.05	7	<0.5	<0.2
03911	Soil	40	0.53	1161	0.080	2	2.00	0.028	0.06	<0.1	0.02	5.2	<0.1	<0.05	6	<0.5	<0.2
03912	Soil	41	0.59	796	0.110	2	1.76	0.035	0.07	<0.1	0.03	6.5	<0.1	<0.05	5	<0.5	<0.2
03913	Soil	37	0.51	635	0.071	2	1.73	0.030	0.06	0.1	0.06	7.5	<0.1	<0.05	5	<0.5	<0.2
03916	Soil	27	0.30	362	0.064	<1	1.44	0.025	0.03	0.1	0.02	2.8	<0.1	<0.05	6	<0.5	<0.2
03917	Soil	34	0.43	747	0.054	2	1.68	0.019	0.06	<0.1	0.02	4.2	<0.1	<0.05	5	<0.5	<0.2
03919	Soil	38	0.61	758	0.100	2	1.79	0.030	0.05	<0.1	0.04	5.2	<0.1	<0.05	5	<0.5	<0.2
03920	Soil	39	0.61	625	0.108	2	1.71	0.039	0.08	<0.1	0.01	6.0	<0.1	<0.05	5	<0.5	<0.2
03921	Soil	40	0.71	541	0.105	2	1.79	0.054	0.09	0.1	0.03	7.2	<0.1	<0.05	5	<0.5	<0.2
03922	Soil	37	0.76	373	0.113	2	1.66	0.053	0.07	0.1	0.03	6.4	<0.1	<0.05	5	<0.5	<0.2
03924	Soil	41	0.77	435	0.124	1	1.92	0.031	0.08	0.2	0.03	6.9	0.1	<0.05	6	<0.5	<0.2
03925	Soil	31	0.58	471	0.076	1	1.59	0.029	0.06	0.1	0.07	4.4	0.2	<0.05	5	<0.5	<0.2
03928	Soil	41	0.61	601	0.096	1	1.75	0.031	0.05	0.1	0.03	6.3	<0.1	<0.05	5	<0.5	<0.2
03929	Soil	26	0.36	233	0.081	1	1.16	0.018	0.08	<0.1	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
03930	Soil	42	0.52	714	0.059	2	2.21	0.021	0.06	0.1	0.08	9.4	<0.1	<0.05	6	<0.5	<0.2
03931	Soil	39	0.52	254	0.076	2	1.73	0.017	0.04	0.1	0.03	6.4	<0.1	<0.05	5	<0.5	<0.2



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QUALITY CONTROL REPORT

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Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
				0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																							
03140	Soil			9.5	63.3	11.1	112	0.6	53.7	17.4	1148	3.48	116.8	9.6	3.7	77	0.7	8.1	0.3	65	1.04	0.069	17
REP 03140	QC			9.4	63.4	10.8	113	0.6	54.8	17.6	1151	3.48	117.3	10.5	3.8	78	0.8	8.1	0.3	65	1.02	0.072	17
03145	Soil			1.5	61.9	9.7	67	0.1	44.1	15.5	742	3.43	21.0	6.9	3.1	30	<0.1	3.2	0.2	83	0.37	0.020	15
REP 03145	QC			1.6	65.3	9.9	70	0.1	46.2	15.9	747	3.48	21.9	6.7	3.2	31	<0.1	3.4	0.1	90	0.39	0.021	15
04607	Soil			1.6	44.2	8.8	55	0.2	31.8	15.1	312	3.94	115.5	43.4	1.7	24	<0.1	66.3	0.4	102	0.32	0.023	7
REP 04607	QC			1.5	41.4	8.9	52	0.2	30.4	14.4	288	3.72	111.1	48.1	1.7	24	0.2	60.9	0.4	95	0.30	0.022	7
04609	Soil			0.7	86.0	11.4	75	0.2	43.0	19.5	655	4.24	389.9	37.3	1.6	27	0.2	42.6	0.1	111	0.41	0.032	7
REP 04609	QC			0.8	87.7	10.7	74	0.2	43.0	20.0	637	4.24	397.5	35.3	1.8	29	0.2	47.3	<0.1	113	0.41	0.034	8
03179	Soil			1.4	66.1	6.9	83	0.2	81.6	17.5	615	3.63	16.8	9.0	3.0	52	0.2	1.5	0.1	77	0.75	0.193	16
REP 03179	QC			1.4	64.2	6.7	80	0.1	80.2	16.7	593	3.43	16.8	10.5	2.9	54	0.1	1.5	0.1	74	0.75	0.192	16
03181	Soil			0.9	57.7	6.7	76	<0.1	67.2	21.1	831	3.83	53.3	37.5	5.4	54	0.1	2.4	0.1	101	1.05	0.349	24
REP 03181	QC			1.0	58.5	6.4	76	<0.1	67.2	20.2	816	3.78	54.2	12.6	5.5	52	0.1	2.6	0.1	100	1.10	0.352	24
03230	Soil			1.5	27.5	7.2	42	0.2	15.2	6.8	251	2.61	12.9	<0.5	1.0	15	0.3	0.9	0.2	69	0.15	0.030	6
REP 03230	QC			1.6	28.8	7.3	45	0.2	16.3	7.1	267	2.62	12.6	0.6	1.0	15	0.3	0.9	0.2	68	0.15	0.029	6
03237	Soil			0.8	66.5	6.7	55	0.2	55.7	16.1	503	2.97	151.7	85.7	1.8	38	0.2	57.5	0.2	87	0.53	0.085	10
REP 03237	QC			1.0	72.9	6.6	61	0.3	59.3	17.2	516	3.14	157.8	101.6	1.8	38	0.2	59.2	0.2	83	0.53	0.078	10
03724	Soil			0.6	54.8	4.2	39	0.1	20.7	11.2	409	2.34	29.7	13.5	1.5	44	0.1	0.8	<0.1	59	0.91	0.047	8
REP 03724	QC			0.6	56.0	6.0	41	0.1	22.1	11.3	408	2.36	30.1	12.1	1.5	43	<0.1	0.8	<0.1	61	0.96	0.050	8
03729	Soil			1.6	43.1	7.3	58	<0.1	29.3	13.1	374	2.82	15.2	4.9	1.8	23	0.2	0.4	<0.1	81	0.44	0.095	11
REP 03729	QC			1.5	43.1	7.0	59	<0.1	27.4	12.6	374	2.72	14.9	6.1	1.8	24	0.1	0.4	<0.1	79	0.43	0.093	11
04515	Soil			1.9	43.9	7.0	69	0.2	31.4	19.2	791	3.07	20.5	5.7	1.8	26	0.1	0.9	0.1	90	0.46	0.107	10
REP 04515	QC			2.0	44.6	7.0	69	0.2	32.1	19.0	800	3.11	20.5	4.7	1.9	26	0.1	0.9	0.1	91	0.46	0.106	10
04517	Soil			1.4	72.7	6.4	59	0.4	46.6	12.5	325	2.99	15.1	6.5	1.9	34	0.2	0.6	0.1	76	0.51	0.099	11
REP 04517	QC			1.4	71.7	6.2	61	0.4	47.4	12.5	332	3.04	15.5	12.4	1.9	35	0.3	0.6	0.1	78	0.51	0.104	11
04561	Soil			0.9	28.5	5.6	55	<0.1	32.8	11.8	513	3.08	24.4	6.9	2.0	22	<0.1	2.7	0.1	85	0.35	0.025	7
REP 04561	QC			0.8	28.2	5.7	53	<0.1	32.2	11.6	513	3.08	24.5	3.3	2.0	22	<0.1	2.7	<0.1	83	0.34	0.027	7
04563	Soil			1.1	31.4	8.7	57	0.1	33.0	14.0	611	3.00	20.7	5.7	2.3	25	<0.1	2.8	0.1	80	0.39	0.017	11
REP 04563	QC			1.1	32.3	9.1	56	0.2	33.6	14.5	629	3.04	20.4	2.6	2.4	26	0.1	3.0	0.1	82	0.42	0.017	11



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
Pulp Duplicates																
03140	Soil	39	0.84	419	0.058	3	1.37	0.036	0.12	0.1	0.03	6.8	0.2	<0.05	4	1.1
REP 03140	QC	39	0.84	421	0.056	3	1.40	0.036	0.12	0.1	0.03	6.9	0.2	<0.05	4	1.2
03145	Soil	52	0.53	304	0.098	1	2.04	0.016	0.05	<0.1	0.02	8.0	<0.1	<0.05	5	<0.5
REP 03145	QC	54	0.55	316	0.121	2	2.13	0.020	0.05	<0.1	0.02	8.5	<0.1	<0.05	6	<0.5
04607	Soil	42	0.58	192	0.095	1	2.60	0.019	0.04	0.3	0.02	4.7	0.1	<0.05	9	<0.5
REP 04607	QC	39	0.55	189	0.089	1	2.52	0.018	0.04	0.3	0.01	4.3	0.1	<0.05	9	<0.5
04609	Soil	53	0.77	324	0.055	3	2.83	0.024	0.07	0.6	0.02	9.2	0.2	<0.05	8	<0.5
REP 04609	QC	52	0.75	341	0.075	4	2.77	0.026	0.07	0.8	0.03	9.1	0.2	<0.05	8	<0.5
03179	Soil	68	1.67	273	0.162	3	1.96	0.022	0.14	0.2	0.03	4.3	<0.1	<0.05	7	<0.5
REP 03179	QC	66	1.66	263	0.153	2	1.95	0.022	0.14	0.2	0.03	4.8	<0.1	<0.05	7	<0.5
03181	Soil	79	1.58	310	0.230	2	1.97	0.019	0.34	0.2	<0.01	5.0	0.1	<0.05	8	<0.5
REP 03181	QC	81	1.57	298	0.229	2	1.93	0.019	0.34	0.3	<0.01	5.5	0.1	<0.05	7	<0.5
03230	Soil	24	0.24	141	0.066	1	1.20	0.018	0.04	<0.1	<0.01	2.5	<0.1	<0.05	7	<0.5
REP 03230	QC	23	0.24	148	0.064	<1	1.19	0.017	0.04	<0.1	0.02	2.6	<0.1	<0.05	7	<0.5
03237	Soil	75	1.03	258	0.125	2	2.01	0.024	0.08	0.4	0.04	6.5	<0.1	<0.05	7	<0.5
REP 03237	QC	75	1.06	268	0.125	2	1.92	0.022	0.08	0.4	0.03	6.4	<0.1	<0.05	7	<0.5
03724	Soil	25	0.56	133	0.078	1	1.56	0.042	0.03	0.2	0.03	5.4	<0.1	<0.05	5	0.5
REP 03724	QC	25	0.59	134	0.081	1	1.68	0.046	0.04	0.2	0.03	5.4	<0.1	<0.05	5	0.6
03729	Soil	38	0.78	116	0.160	2	1.43	0.023	0.20	0.3	0.02	3.5	0.1	<0.05	7	<0.5
REP 03729	QC	36	0.77	115	0.153	2	1.46	0.022	0.19	0.3	<0.01	3.3	0.1	<0.05	7	0.5
04515	Soil	42	0.88	119	0.176	4	1.63	0.023	0.10	0.2	0.04	3.7	0.1	<0.05	6	<0.5
REP 04515	QC	42	0.88	120	0.177	4	1.60	0.022	0.10	0.2	0.04	3.7	0.1	<0.05	7	<0.5
04517	Soil	51	0.94	140	0.168	3	1.46	0.027	0.18	0.2	0.04	4.7	0.1	<0.05	6	<0.5
REP 04517	QC	52	0.97	140	0.172	3	1.53	0.026	0.18	0.2	0.04	4.6	0.1	<0.05	7	<0.5
04561	Soil	42	0.69	279	0.100	1	1.90	0.015	0.04	0.1	0.02	4.2	<0.1	<0.05	6	<0.5
REP 04561	QC	42	0.71	307	0.097	1	2.01	0.016	0.04	0.1	0.02	4.1	<0.1	<0.05	6	<0.5
04563	Soil	44	0.60	264	0.089	1	1.88	0.022	0.06	0.1	0.02	6.0	<0.1	<0.05	6	<0.5
REP 04563	QC	46	0.61	269	0.096	1	1.96	0.022	0.06	0.1	0.02	6.2	<0.1	<0.05	6	<0.5



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Project: WELS
Report Date: September 12, 2012

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QUALITY CONTROL REPORT

WHI12000311.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
03931	Soil	1.5	38.4	15.2	71	0.2	30.5	11.4	619	2.87	34.3	10.0	3.1	35	0.2	4.7	0.1	64	0.45	0.043	12
REP 03931	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
Reference Materials																					
STD DS9	Standard	13.3	116.0	134.0	308	1.8	42.4	8.1	572	2.33	23.8	119.6	5.8	63	2.2	5.3	6.3	42	0.70	0.081	12
STD DS9	Standard	11.5	99.5	121.1	297	1.8	37.3	6.9	543	2.18	25.1	122.1	6.0	70	2.3	5.8	6.7	39	0.65	0.078	12
STD DS9	Standard	10.8	101.9	118.5	286	1.7	35.5	7.1	525	2.15	23.6	116.4	5.9	66	2.2	5.8	6.4	37	0.63	0.076	12
STD DS9	Standard	13.5	109.6	125.0	312	2.0	40.9	7.7	595	2.37	26.9	116.5	6.5	81	2.4	6.3	6.8	41	0.72	0.082	14
STD DS9	Standard	13.5	107.5	126.8	297	1.9	42.9	8.1	578	2.34	24.7	112.7	6.3	67	2.2	5.3	6.3	44	0.71	0.078	13
STD DS9	Standard	13.1	104.5	120.2	303	1.7	39.5	7.2	552	2.23	24.6	119.8	6.1	64	2.2	5.4	5.6	40	0.67	0.078	12
STD DS9	Standard	13.7	109.6	129.0	309	1.9	42.2	8.1	619	2.46	25.6	110.4	6.9	70	2.3	5.4	5.8	45	0.77	0.083	14
STD DS9	Standard	13.7	109.0	116.2	284	1.6	40.0	7.7	551	2.20	22.7	105.7	6.1	62	1.9	5.1	5.9	43	0.68	0.073	12
STD DS9 Expected		12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819	13.3
BLK	Blank	<0.1	0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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QUALITY CONTROL REPORT

WHI12000311.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
03931	Soil	39	0.52	254	0.076	2	1.73	0.017	0.04	0.1	0.03	6.4	<0.1	<0.05	5	<0.5	<0.2
REP 03931	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.
Reference Materials																	
STD DS9	Standard	126	0.62	287	0.104	3	0.90	0.086	0.36	3.0	0.22	2.2	5.7	0.15	5	5.0	5.1
STD DS9	Standard	111	0.60	277	0.103	2	0.86	0.079	0.35	3.1	0.23	2.4	5.4	0.15	4	5.8	5.1
STD DS9	Standard	110	0.56	293	0.101	2	0.86	0.084	0.34	3.0	0.22	2.4	5.2	0.09	4	3.5	4.5
STD DS9	Standard	121	0.62	293	0.108	2	0.91	0.083	0.35	2.7	0.23	2.7	5.7	0.16	5	5.2	5.7
STD DS9	Standard	125	0.62	276	0.111	3	0.91	0.080	0.35	3.3	0.21	2.3	5.5	0.13	4	4.9	5.1
STD DS9	Standard	116	0.61	299	0.100	3	0.89	0.084	0.34	2.8	0.23	2.5	5.4	0.16	4	5.5	4.8
STD DS9	Standard	130	0.64	317	0.117	3	1.01	0.098	0.37	3.2	0.20	2.8	5.5	0.18	5	5.7	5.6
STD DS9	Standard	122	0.57	279	0.110	2	0.84	0.077	0.32	2.9	0.18	2.1	5.1	0.16	4	5.1	5.0
STD DS9 Expected		121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

WH12235051 - Finalized

CLIENT : "COUDES - Gorilla Minerals"

of SAMPLES : 1

DATE RECEIVED : 2012-10-04 DATE FINALIZED : 2012-10-13

PROJECT : '"Wels West"

CERTIFICATE COMMENTS : ""

PO NUMBER : " "

	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
SAMPLE	Ag	Al	As	B	Ba	Be	Bi	Ca
DESCRIPTI	ppm	%	ppm	ppm	ppm	ppm	ppm	%
K931783		58	0.92	8740 <10		280 <0.5		2 0.51

ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La
ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm
<0.5		4	9	10	2.59 <10		1	0.22 10

ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	
%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	
0.33	439		1	0.04	1	380	217	0.01	67

ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Sc	Sr	Th	Ti	Tl	U	V	W	Zn
ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	6	42 <20		0.02 <10	<10		39 <10	49

Au-ICP21	Au-GRA21
Au	Au
ppm	ppm
>10.0	149.5

APPENDIX D

WELS WEST TRENCH A - PHOTO

Location

NTS: 115J05

UTM: Zone 7 554491E 6923122N

Photo 1. Jpeg.479 Trench A looking south (?)

Photo 2. Jpeg. 480 Trench A looking North (?)

Photo 3. Jpeg. 481 Site of Rock Sample K931783

All photos by Robert S. Stroshein July 16, 2013

PHOTO 1



Trench A looking South Locatio of Sample K931783 149.5 ppm Au (4.36 opt Au)

Photo by Robert Stroshein July 16, 2012 (jpeg.479) ??

PHOTO 2



Trench A looking South Location of Sample K931783 149.5 ppm Au (4.36 opt Au)

Photo by Robert Stroshein July 16, 2012 (jpeg.480) ??

PHOTO 3



Trench A Location of 4.3 opt Au Sample. Note strong jointing