

GEOLOGICAL & GEOCHEMICAL REPORT

MAPPING AND SOIL SURVEYS

On the

FIFTY-MILE BLOCK

CHANT 1-70: YD47767-YD47800, YD48001-YD48036; **CHANT 99-196** YD48065-YD48078, YD88823-YD88968; **CHANT 258:** YD88968; **CHANT 260:** YD88970; **CHANT 262:** YD88972; **CHANT 264:** YD88974; **CHANT 266:** YD88976; **CHANT 268:** YD88978; **CHANT 270:** YD88980; **CHANT 272:** YD88982; **CHANT 274:** YD88984; **CHANT 276:** YD88986; **CHANT 287-306:** YD88997-YD89016; **CHANT 317-336:** YD89027-YD89046; **CHANT 347-366:** YD89057-YD89076; **CHANT 377-408:** YD89087-YD89118

Registered Owner: Shawn Ryan - 70%, Wildwood Exploration Inc. - 30%

ENT 1-8: YD15901-YD15908; **ENT 226:** YD54138; **ENT 228:** YD54140; **ENT 230:** YD54142; **ENT 232:** YD54144; **ENT 313-318:** YD54225-YD54230; **ENT 329-334:** YD54241-YD54246; **ENT 345-350:** YD54257-YD54262; **ENT 362:** YD54274; **ENT 364:** YD54276; **ENT 366:** YD54278

Registered Owner: Shawn Ryan - 70%, Wildwood Exploration Inc. - 30%

NCHANT 1-36: YD135501-YD135536, **NCHANT 43-58:** YD135543-YD135558; **NCHANT 60:** YD135560; **NCHANT 62:** YD135562; **NCHANT 64-161:** YD135564-YD135661; **NCHANT 163:** YD135663; **NCHANT 165:** YD135665; **NCHANT 175-190:** YD135675-YD135690; **NCHANT 192:** YD135692; **NCHANT 194:** YD135694; **NCHANT 196:** YD135696; **NCHANT 215-230:** YD98765-YD98780; **NCHANT 233-249:** YD98783-YD98799

Registered Owner: Shawn Ryan – 100%

NTS #: 115N15, 115N16

LONG 140°23.809 'W LAT 63°54.255'N

DAWSON MINING DISTRICT

Work Performed: June 21 – August 22, 2012

Date of Report: February 2013

AUTHOR OF REPORT: Jarod Lapp, BSc



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Executive Summary

The Fifty-Mile property block is comprised of portions of three prospects situated in the Fifty-Mile Creek area of the Yukon Territory, in the Dawson Range, approximately 60km southwest of Dawson City and 22km east of the Alaskan border. The Fifty-Mile claims comprise portions of the Chant, ENT and NChant claims, located within the Dawson Mining District. The property block is comprised of 509 contiguous claims, covering a total area of approximately 10,022 hectares.

Claim ownership of the Chant and ENT properties is shared between Mr. Shawn Ryan and Wildwood Exploration Inc., where Mr. Ryan holds 70% interest and Wildwood holds the remaining 30%. Mr. Ryan holds 100% interest in the NChant claims. Previously a larger block, the Fifty-Mile claims (Chant, Echo, ENT and Gecko) were all optioned to Ryan Gold Inc. from Shawn Ryan and Wildwood Exploration Inc. in October of 2010. NChant was staked in January 2011 and also became part of that agreement. Ryan Gold Inc. and Valdez Gold Inc. merged to form Ryan Gold Corp. in December 2010. Any obligations held by Ryan Gold Inc. were taken over by Ryan Gold Corp. The 2011 Ryan Gold Corp. exploration campaign consisted of geological mapping and trenching carried out at the Chant claims, along with regional soil geochemistry survey on the Chant, Echo, ENT and NChant properties. Trenching and prospecting on Chant showed that anomalous Au values in soil from the 2010 soil geochemistry survey was associated with pyritic mineralization in limonite-magnetite-chlorite-epidote altered quartz biotite schist.

Prior to the staking of the property block by Mr. Ryan, the Fifty Mile Creek area was subject to numerous exploration campaigns, beginning in 1972. The claims are primarily underlain by Devonian to Mississippian orthogneiss, intruded by Cretaceous granite to granodiorite plugs and stocks of the Carmacks Group. The deposit types postulated for the Fifty-Mile claims are the intrusion related gold to epithermal models, following those proposed for the nearby White Gold deposit of Kinross Gold Corporation. White Gold lies 90km south-southwest of the Fifty-Mile Project.

The 2012 Ryan Gold Corp. exploration program focused on expanding targets identified during previous exploration campaigns. 15 rock grab samples were collected during the 2012 exploration program, complementing 1618 soil samples collected by Ground Truth Exploration Inc. on behalf of Ryan Gold. 203 geological observations were also recorded during the 2012 campaign.

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1.0 Introduction

The Fifty-Mile property block hosts intrusion related gold occurrences and multi-element soil geochemical anomalies, which are associated with granodiorite stocks. The property comprises three prospects located in the western Yukon, 60km southwest of Dawson City and 22km east of the Alaskan border. This report summarizes the geological observations and geochemical rock and soil samples collected on the Chant, ENT and NChant prospects during the summer of 2012. This report describes exploration work that was conducted between June 21 and August 22, 2012 by Ryan Gold Corp. staff. The work included the collection of 15 rock grab samples and 203 geological observations, as well as the collection of 1618 soil samples from the Chant prospect, contracted to GroundTruth Exploration Ltd. All rock geochemical samples were submitted to ALS labs in Vancouver, while all soil geochemical samples were submitted to Acme Labs, also located in Vancouver. The 2012 work program was conducted by helicopter from Dawson City. No construction work was undertaken on the project during the 2012 field season, and no mechanized work was conducted on any of the properties.

2.0 Location & Access

The Fifty-Mile property block is located in western Yukon Territory, approximately 60km southwest of Dawson City and 22km east of the Alaskan border. The claims are located within map sheets 115N15 and 115N16 of the Canadian National Topographic system. The centre of the project lies at 140°23.809'W longitude and 63°54.255'N latitude. Access to the Fifty-Mile claims is primarily by helicopter from Dawson City. Transportation for the 2012 Ryan Gold Corp. work program was provided by TransNorth Helicopters from their base in Dawson City. The location of the Chant claims is displayed in Figure 1.

3.0 Claim Information

Within the Fifty-Mile property block, the total number of 'active' claims and leases held in accordance with the Quartz Mining Act is 509. Of these 509 claims, 270 fall in the Chant prospect, 33 in ENT and 206 in NChant. For the Chant and ENT claims, ownership is divided between Mr. Shawn Ryan and Wildwood Exploration Inc., at 70% and 30% respectively. Mr. Ryan retains 100% ownership of the NChant claims. The reader is referred to Appendix C for a complete listing of claims. The Fifty-Mile block claim map is displayed in Figure 2.

4.0 Physiography & Climate

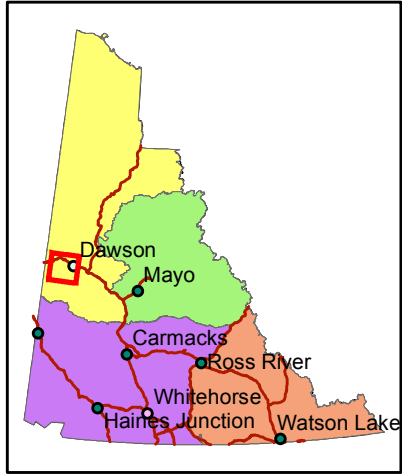
The area is located in the Yukon Plateau (Lowey, G.W., 2000), and lies at elevations ranging from 700m to 1800m. The region is characterized by rolling hills typical of the Dawson range with locally high hills west of Mount Hart on the Chant claims and southwest part of Echo claim block.

Vegetation primarily consists of white and black spruce, birch and poplar with the treeline at approximately 1200m. Outcrop exposure at the property is generally poor and primarily restricted to ridge tops as the majority of the claim blocks lie below tree line except the southwest of Echo claim

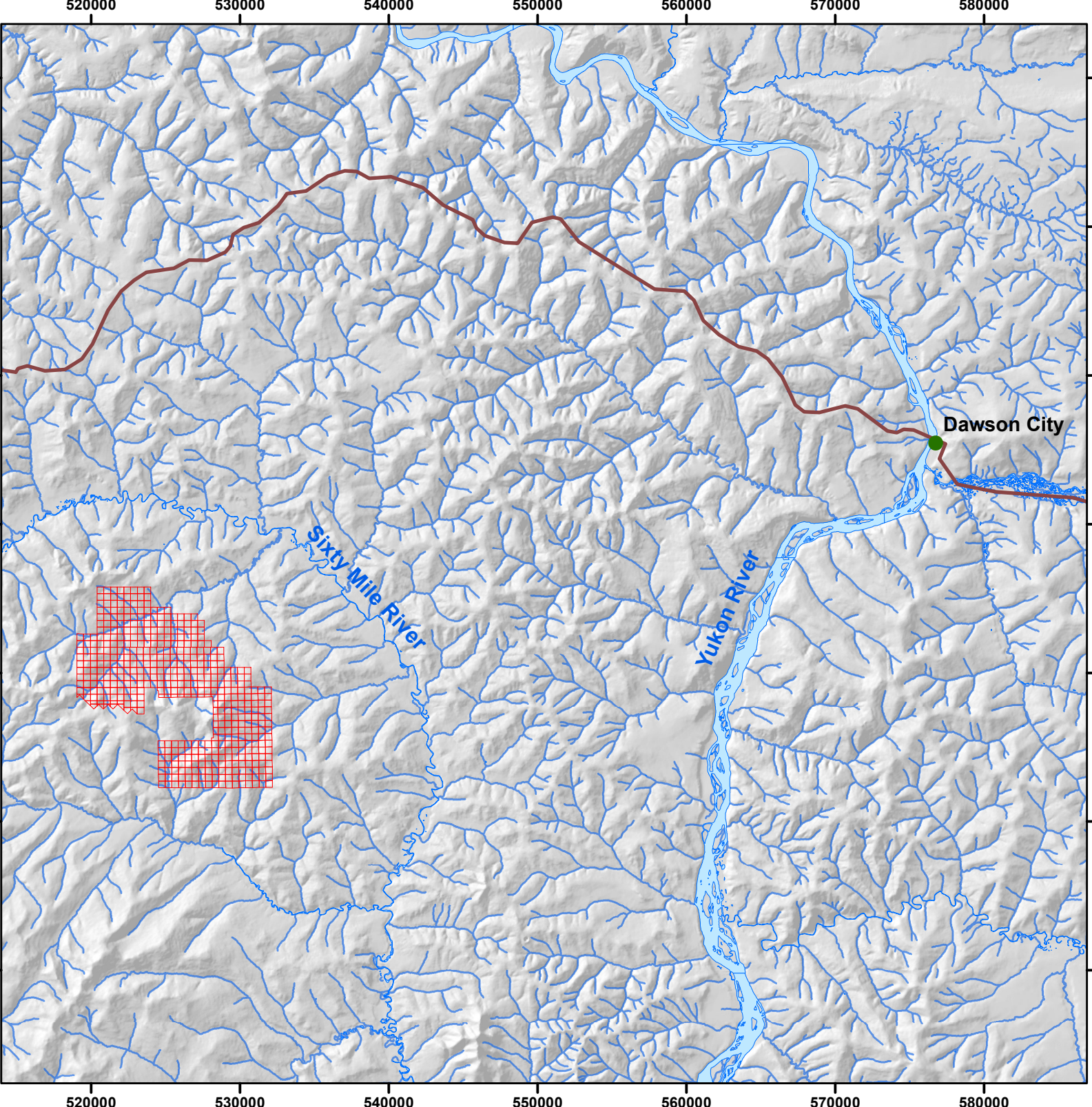
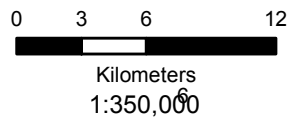


Figure 1: Fifty-Mile Claims Location

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- LEGEND**
- Top Of The World Highway
 - Fifty-Mile Claims
 - Dawson City
 - Dawson Mining District
 - Mayo Mining District
 - Watson Lake Mining District
 - Whitehorse Mining District





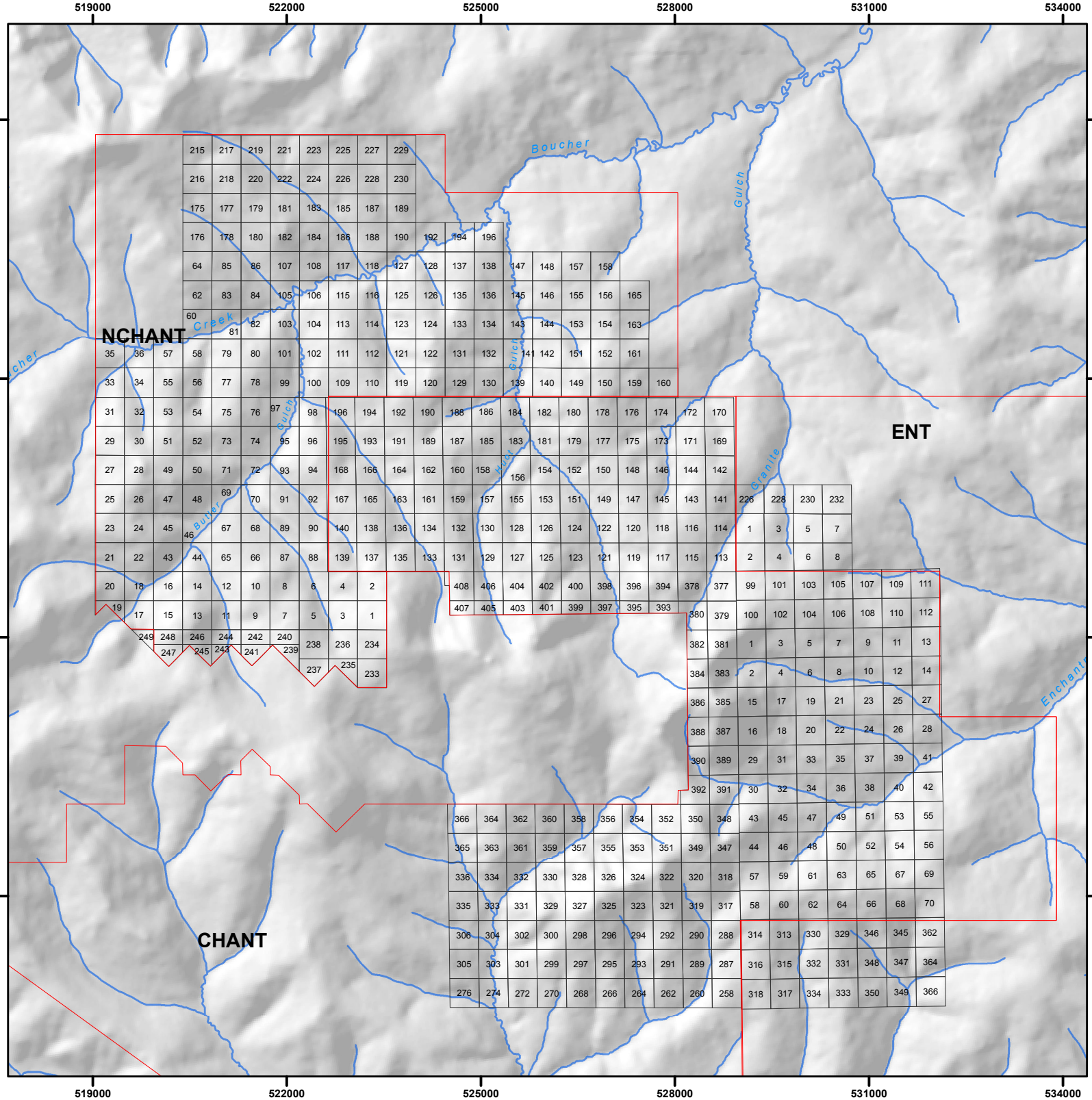
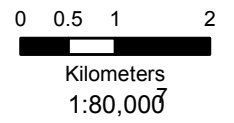
**Figure 2: Fifty-Mile Claims
- By Prospect**

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LEGEND

- YukonMajorCommunities
- Former Property Boundary
- Current Fifty-Mile Claims
- Dawson Mining District
- Mayo Mining District
- Watson Lake Mining District
- Whitehorse Mining District



block which is characterized by rolling tundra with no tree cover. The area has a typical northern interior continental climate characterized by warm summers and long cold winters with light precipitation. The temperature in nearby Dawson City ranges from 15°C to 25°C during the summer and drops to between -25°C and -50°C in winter (Environment Canada, 2013). The exploration season typically runs from mid-June to late September.

5.0 Exploration History

- 1972:** Mapping in the nearby Mount Hart area, performed by the Geological Survey of Canada. Visible gold was reported in a quartz-pebble conglomerate outcrop 2.7km south-southwest of Mount Hart (Geological Survey of Canada, 1973).
- 1973:** Mapping and rock sampling performed by Silver Standard Mines Ltd., with no significant showings (Mineral Industry Report, 1973).
- 1998-2000:** Geochemical soil, silt and rock sampling, along with magnetic survey, performed by A. Rudis and R. Nording. Significant silt samples of 25ppb and 58ppb were recovered from Cheryl Creek, a site of historic placer activity. Magnetic survey run along Cheryl Creek returned two semi-continuous anomalies interpreted to be of a bedrock or placer gravel source (Rudis, 1999-2001).
- 1999:** Silt sampling of the creeks surrounding Mount Hart was conducted by Prospector International Resources. Four anomalous creeks were identified. The most significant result was a 167ppb Au and 100ppm As sample collected 1.2km downstream from the head of Enchantment Creek, draining from the northeast slope of Mount Hart (Jaworski and Meyer, 2000).
- 2003:** Grid Capital Corporation carried out a drill program consisting of five diamond drill holes to test the promising targets outlined by soil geochemistry survey and IP survey at their AMI property, located approximately 1km south of the NChant claim boundary. Three drill holes intersected porphyry style mineralization that included pyrite, chalcopyrite, molybdenite hosted in quartz monzonite. However, assays did not return significant results. Another drill hole intersected a 0.64m wide galena silver vein with 22.08% Pb, 2,086.5 g/t Ag and 1.13 g/t Au (Black, 2008) .
- 2007:** Equity Engineering was contracted by Rimfire Mineral Corporation to carry out mapping, prospecting and soil sampling on the Fifty Mile claims. 11 Rock samples and 116 soil samples were collected on the Echo 1-72 claims. Gold assay results returned from the rock samples were below detection limit of 5ppb and the Au in soil ranged from 14 ppb and 29 ppb. Geological mapping identified medium to coarse grained muscovite + biotite ± garnet granite from outcrop, trenched bedrock and float at Echo. Weak to moderate sericite-clay-carbonate alteration was observed in the granite, with quartz stockwork or quartz vein breccia and pyrite mineralization (1-2%). Trace galena found in wall rock and veins (Black, 2008).
- 2010:** GroundTruth Exploration Inc. was contracted by Ryan Gold Inc. (private company) to conduct ridge and spur soil survey of the Fifty Mile claims. 240 samples were collected from traverse lines at ENT and Chant, covering the eastern flanks of Mount Hart, with an additional 380

samples collected on the Echo claims. The best Au in soil values of 155.9 ppb and 21.1 ppb were returned from the saddle area at Chant, 3km south of Mount Hart (Jin, 2011). On September 29th 2010, J. Pautler was contracted by Valdez Gold Inc. to conduct a geological and geochemical evaluation of the Au in soil anomalies delineated from the soil geochemistry survey in the same year. Mineralization of fine pyrite, limonite boxwork hosted in granite with sericite alteration and silicification was identified in the Chant saddle zone. Intermediate to mafic gneiss containing rusty quartz veinlets and limonite fractures was also identified near by the 155.9 ppb Au in soil location. Similar to Chant's Saddle zone, augen gneiss and granite dikes, locally silicified, brecciated was identified by J. Pautler on the central Echo claim. No significant assay values were returned from rock samples collected during the evaluation work (Pautler, 2010). The Fifty Mile claims (Chant, Echo, ENT and Gecko) were all optioned to Ryan Gold Inc. from Shawn Ryan and Wildwood Exploration Inc. in October of 2010. NChant was staked in January 2011 and also became part of that agreement. Ryan Gold Inc. and Valdez Gold Inc. merged to form Ryan Gold Corp. in December 2010. Any obligations held by Ryan Gold Inc. were taken over by Ryan Gold Corp.

2011: The 2011 Ryan Gold Corp. exploration campaign consisted of geological mapping and trenching carried out at the Chant claims between June 13th and June 23rd. GroundTruth Exploration Inc. was also contracted to conduct the regional soil geochemistry survey on the claims comprising the Fifty Mile Project: the Chant, Echo, ENT, NChant properties. A total of 12089 soil samples were collected between June 19th and August 5th, 2011. 465 of these were sampled on a grid with 50m sample spacing and 100m line spacing at the northern Chant claim block, while the remaining samples were ridge and spur soil samples throughout the properties. The primary purpose of 2011 geological mapping and trenching was to examine the gold in soil anomaly that was identified from the 2010 soil geochemistry survey. Three trenches totalling 380m in length were dug by Talus Exploration with the effort to expose the bedrock underlying the Au in soil anomaly at Chant. The trenching and prospecting at the Chant claims identified that anomalous Au values in soil from the 2010 soil geochemistry survey is associated with pyritic mineralization in limonite-magnetite-chlorite-epidote altered quartz biotite schist (Jin, 2012).

6.0 Geology

6.1 Regional Geology

The Chant, ENT and NChant claims are situated within the Yukon-Tanana Terrane in the western central Yukon. The Yukon-Tanana Terrane is the largest terrane in the Canadian Cordillera that was accredited to the North American ancient continental craton. The terrane is composed of metasedimentary, metaplutonic and metavolcanic rocks comprised of the Paleozoic aged Nisling assemblage, Nasina assemblage, Pelly gneiss and Nisutlin assemblage from oldest to youngest. The Nisling assemblage is a meta-sedimentary package of quartzite, quartz-mica schist and marble. The Nasina assemblage is composed of aforementioned metasediments with large amounts of carbon giving the rock a black

colour and graphitic texture. Pelly Gneiss is strongly foliated and granitic in composition, while the Nisutlin assemblage is characterized by quartz-mica schist. The regional geology surrounding the Fifty-Mile claims is displayed in Figure 3.

The regional geology of the former Fifty Mile property, including Chant, ENT and NChant claim groups is dominated by abundant Paleozoic metaplutonic and metavolcanic rocks representing two arcs; an older arc composed of Devonian-Mississippian amphibolite and subvolcanic intrusive complex (DMogg, DMoga, DMogt) built upon a siliciclastic foundation (DMps, DMq, DMcg, DMNq) and a Permian granitic orthogneiss (Pogg, Poga) and coeval metavolcanic rocks built on the previous arc. The Devonian and Mississippian aged Nasina assemblage structurally lies above or equivalent to the meta-siliciclastic unit (DMps) .

Aforementioned Paleozoic gneiss and schist are intruded by plugs and/or stocks of Cretaceous quartz monzonite and granodiorite (Kg) and Jurassic aged granodiorite (eJgd) which is unconformably overlain by massive andesite flows and breccias of Cretaceous Carmacks Group (uKv), with local occurrences of coarse clastic sedimentary rocks to conglomerate (IKcg) at the base of sequence.

6.2 Property Geology

The following section of the property geology is heavily referenced from J. Pautler (2010). Property geology is displayed in Figure 4.

The Chant, NChant and ENT claims are underlain by Devonian to Mississippian orthogneiss. K-spar augen bearing orthogneiss (DMoga) is dominant to the south and west, while tonalitic to dioritic orthogneiss, interlayered with intermediate to mafic amphibolite metavolcanics, dominates to the north and east of Fifty Mile Creek. The Devonian to Mississippian basement suite (DMps) consists of quartz-mica schist, locally garnetiferous and grading to gneiss, metamorphosed fine clastic rocks and micaceous quartzite. Rare conglomerate is exposed at Chant and NChant claim. The aforementioned units are of the amphibolite grade.

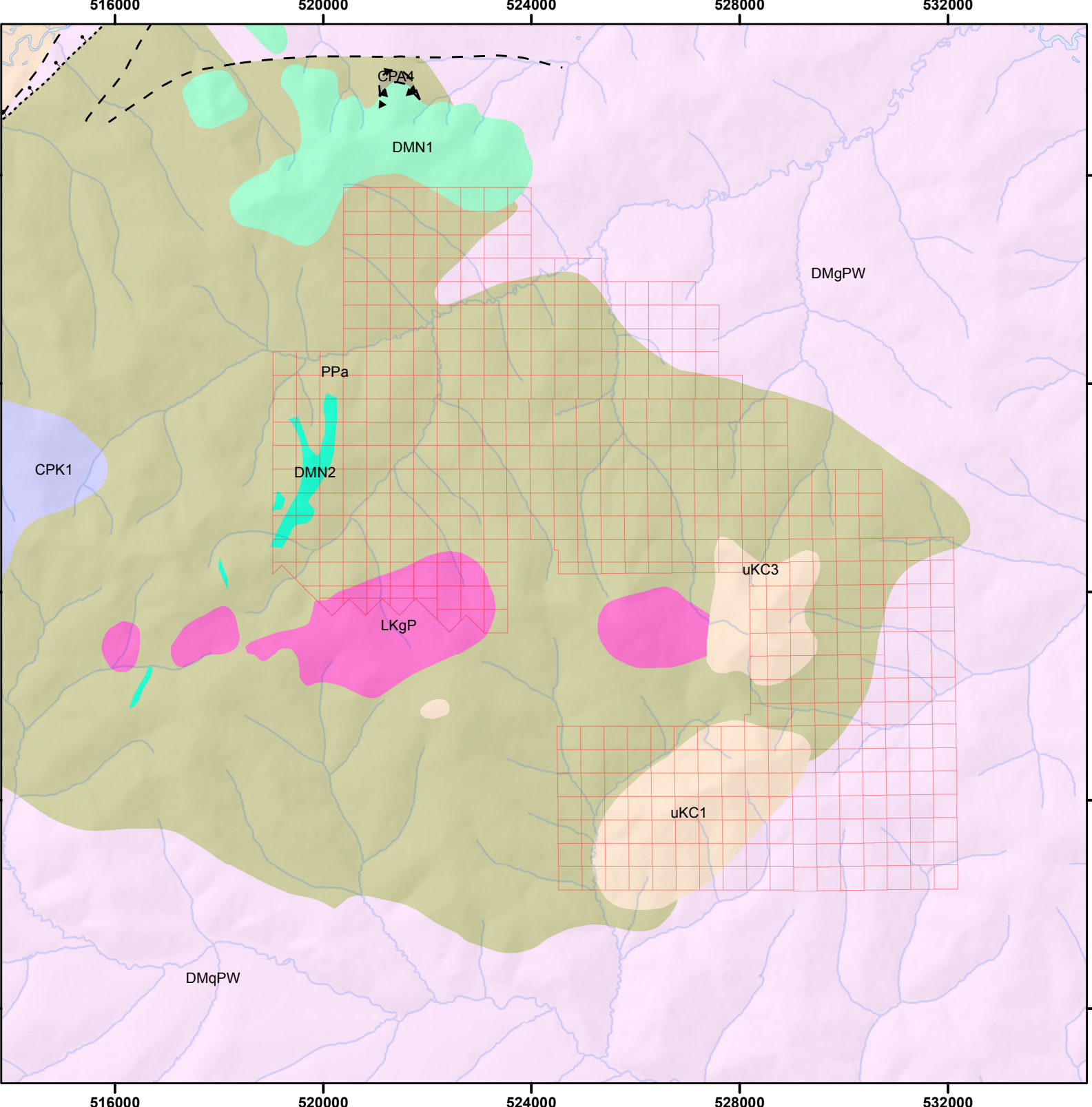
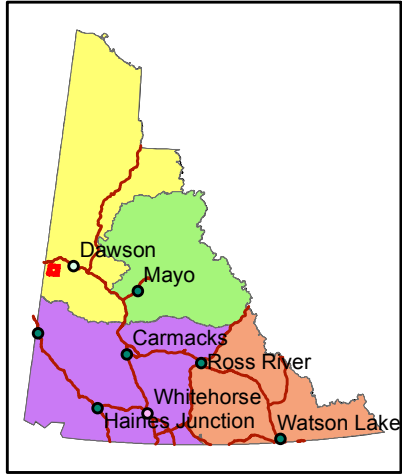
Permian metavolcanic rocks (PKs), composed of muscovite-chlorite-quartz-feldspar and chlorite schist of greenschist metamorphic grade, were mapped to the northwest of Chant claims. Abovementioned units are intruded by plugs and stocks of Cretaceous (and/or possibly Jurassic) aged granite to granodiorite (Kg) and related dikes and/or sills. They are unconformably overlain locally by massive andesite flows and breccias of the Late Cretaceous Carmacks Group (uKv), with Early Cretaceous conglomerate at the base of the sequence (IKTcg).

Block faulting has been suggested by Mortensen (1996) at the upper Sixty Mile River (northwest of the project area), defining the southeast margin of a northeast trending graben structure. A low angle northeast dipping normal fault was also postulated by Mortensen (1996) along Fifty Mile Creek, while recent mapping by Gordey and Ryan (2005) interpreted it as an intrusive contact between K-feldspar

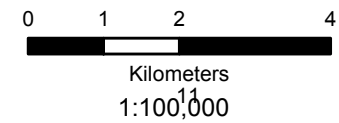


Figure 3: Fifty-Mile Property Geology

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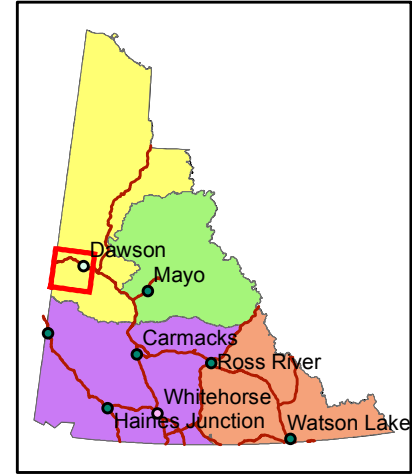


- LEGEND**
- Dawson City
 - Top Of The World Highway
 - Fifty-Mile Claims
 - Fifty-Mile Geology
 - LATE CRETACEOUS TO TERTIARY**
 - LKgP: Prospector Mountain Suite
 - UPPER CRETACEOUS**
 - uKC1: Carmacks group
 - uKC3: Carmacks Group
 - MIDDLE PERMIAN**
 - PPa: Sulphur Creek Suite
 - CARBONIFEROUS AND PERMIAN**
 - CPK1: Klondike Schist
 - PROTEROZOIC AND PALEOZOIC**
 - PPa: Metamorphosed Mafic Rocks
 - LATE DEVONIAN TO MISSISSIPPIAN**
 - DMgPW: Rely Gneiss Suite
 - DMqPW: Rely Gneiss Suite
 - DEVONIAN, MISSISSIPPIAN AND(?) OLDER**
 - DMN1: Naaina Assemblage
 - DMN2: Naaina Assemblage
 - CARBONIFEROUS TO PERMIAN**
 - CPA: Anvil Group
 - Dawson Mining District
 - Mayo Mining District
 - Watson Lake Mining District
 - Whitehorse Mining District



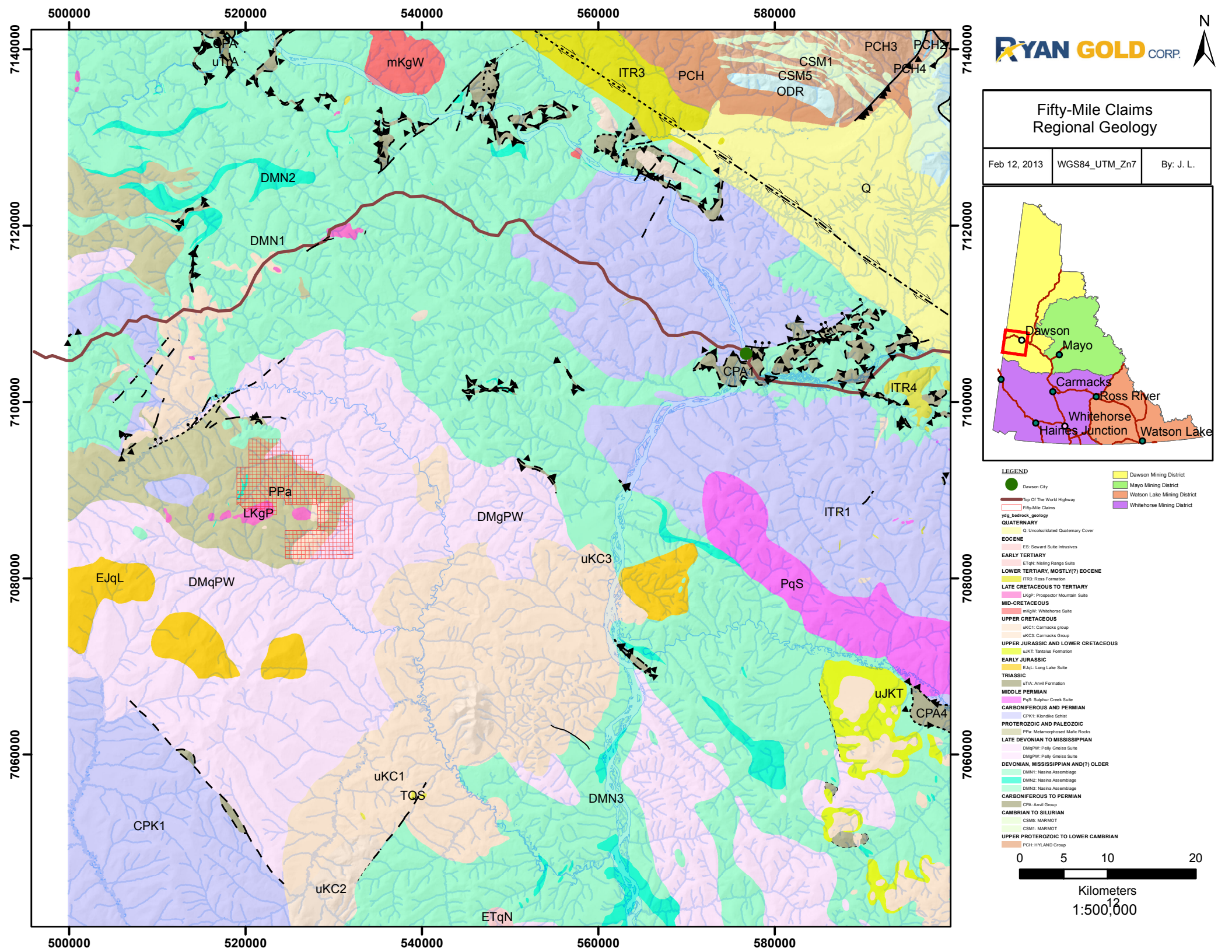
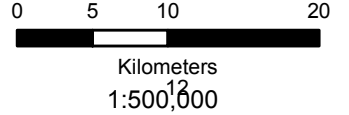
Fifty-Mile Claims Regional Geology

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- Dawson City
- Top Of The World Highway
- Fifty-Mile Claims
- yfg_bearco_geology
- Q: Unconsolidated Quaternary Cover
- Dawson Mining District
- Mayo Mining District
- Watson Lake Mining District
- Whitehorse Mining District

- LEGEND**
- QUATERNARY**
- Q: Unconsolidated Quaternary Cover
- Eocene**
- ES: Seward Suite Intrusives
- EARLY TERTIARY**
- ETqN: Nisling Range Suite
- LOWER TERTIARY, MOSTLY(?) Eocene**
- ITR3: ITR3 Formation
- LATE CRETACEOUS TO TERTIARY**
- LKqP: Prospector Mountain Suite
- MID-CRETACEOUS**
- mKgW: Whitehorse Suite
- UPPER CRETACEOUS**
- uKC1: Carmacks Group
 - uKC2: Carmacks Group
- UPPER JURASSIC AND LOWER CRETACEOUS**
- uJKT: Tartaruk Formation
- EARLY JURASSIC**
- EJqL: Long Lake Suite
- TRIASSIC**
- uTA: Anvil Formation
- MIDDLE PERMIAN**
- PqS: Sulphur Creek Suite
- CARBONIFEROUS AND PERMIAN**
- CPK1: Klondike Schist
- PROTEROZOIC AND PALEOZOIC**
- PPa: Metamorphosed Mafic Rocks
- LATE DEVONIAN TO MISSISSIPPIAN**
- DMqPW: Pelly Gneiss Suite
 - DMN1: Nasina Assemblage
 - DMN2: Nasina Assemblage
 - DMN3: Nasina Assemblage
- DEVONIAN, MISSISSIPPIAN AND(?) OLDER**
- CPA: Anvil Group
- CARBONIFEROUS TO PERMIAN**
- CPA: Anvil Group
- CAMBRIAN TO SILURIAN**
- CSM5: MARMOT
 - CSM1: MARMOT
- UPPER PROTEROZOIC TO LOWER CAMBRIAN**
- PCH: HYLAND Group



augen gneiss and the intermediate to mafic orthogneiss and siliciclastic basement. J. Pautler (2010) identified a possible northeast trending fault extending along upper Enchantment Creek, across Fifty-Mile creek and through the central Echo claims based on topographic and aerial lineaments. 2011 prospecting and geological mapping was primarily focused along the Au-in-soil anomalies that were identified at Chant the previous year. Outcrop exposure is poor at Chant and bedrock is generally restricted to ridgetops.

Most mapping is based on talus, subcrop and float, with minor outcrop mapping in areas with sufficient exposure. A considerable amount of bedrock exposed at trenches dug across the Au in soil anomaly supplemented the geological mapping. Property geology of Chant Claim based on the geological observation in 2011 is shown in Figure 10. The four rock types listed below were identified at Chant during the 2011 Ryan Gold Corp. work program (Jin, 2012).

Granodiorite: Light to dark gray, fine-grained granodiorite consisted of mostly plagioclase, quartz and generally less than 5% of mafic minerals (biotite or hornblende). Displays moderate sericite alteration and weak silicification locally. Chlorite stringers have been observed, containing fine grained disseminated pyrite ranging between 0.5% and 2%. Quartz veins of mm to cm scale were also observed in granodiorite. The rock type is believed to be late Cretaceous intrusion (Kgd) cutting through Devonian-Mississippian aged metasedimentary rocks of quartz-biotite schist (DMps).

Andesite/Basalt: Dark grey, hornblende or augite phyric volcanic rocks of andesitic to basalt composition contains up to 1% of very fine grained pyrite and 0.5% of pyrrhotite and generally magnetic. The rock type is interpreted to belong to the Carmacks group (uKCv).

Quartz Conglomerate: White to light grey quartz conglomerate outcrop was identified at the base of Andesite of Carmacks group. The quartz pebble size ranges between 1cm and 7cm with limonitic alteration on the weathered surface. Little mineralization was observed in the quartz conglomerate.

Schist/Gneiss: Light to dark grey metasedimentary rocks with the amphibolite metamorphic grade composed of foliated/banded layers of biotite, hornblende, muscovite and quartz. Weak to locally moderate sericite alteration, weak chlorite alteration and locally magnetite was identified in the schist. Mineralization is dominated by disseminated or stringer pyrite with generally less than 1% and up to 5% locally. Two sets of veining were identified with one set of quartz veins along the foliation and the other set crosscutting the foliation.

7.0 2012 Exploration Program

The 2012 Ryan Gold Corp. exploration program on the Fifty-Mile (Chant, ENT and NChant) claims took place from June 21 to August 22, 2012. Mapping by Ryan Gold staff was carried out from July 16-19, resulting in the collection of 15 rock grab samples. 203 geological observations were also recorded during this period. 18 man days were required to complete this work. Grid soil sampling on the Chant property was carried out by Ground Truth Exploration Inc. between the dates of June 21 and August 22.

63 man days were required to collect 1618 soil samples. Certificates of 2012 work and expenditures are contained in Appendix B. Sample location data is displayed in Appendix E. Sample location maps are displayed in Appendix F.

Due to the nature of the reconnaissance mapping and sampling program via helicopter, there was little to no disturbance of the project area.

8.0 Sampling Procedures

8.1 Rock sample collection and Geochemical Analytical Procedures

Sampling, chosen based on geological relevance, followed a methodical set of procedures from initial sample collection to final database recording. Samples were typically chipped away from outcrop showings, using a standard Estwing rock hammer, into polyurethane bags and recorded digitally using a Pidion/IPAQ handheld PDA device. Before sealing the bag with a cable tie, an ALS Chemex supplied sample tag was placed inside the bag and then another stapled to the open, outside edge, finally followed by marking the number on the bag using a permanent felt. The closed sample, along with a marked show sample, was stored amongst the others throughout the day by the sampler in a field pack. After returning each day, sample numbers and descriptions were uploaded to a database and the samples were securely stored until a batch shipment was prepared. The on-site project geologist was responsible for creating the chain of custody and shipment forms. Samples were placed in a sample string with a systematic pattern of standards and blanks to ensure QA/QC, grouped in rice bags and secured with security tags. The batch shipments would be transported via expeditor or Ryan Gold personnel to ALS Chemex in Whitehorse, where the samples were prepped and shipped to their Vancouver lab for assaying and QA/QC checks. Throughout the shipment process, a chain of custody paperwork trail was maintained to ensure sample security.

Once in at the ALS Lab in Whitehorse the samples are received, weighed and logged. Samples are then crushed until 80% or better passes through a 2 mm mesh screen. This resulting material is put through a riffle splitter, where a 1000 g sample is isolated and the rest is collected as reject. The sample is pulverized further until 85% or better passes through a 75 micron mesh screen. After this step the pulp material is shipped to the North Vancouver lab for analysis. The remaining reject material is stored in Whitehorse.

The material that is shipped to the North Vancouver lab is split using a riffle splitter where a 50 g sample is isolated. The reject material from this process is stored at the lab. This 50 g sample is now subjected to ICP22 and ME-MS41 assaying methods. The ICP22 is a fire assay and ICP-AES method to assay for gold, and can detect values between 0.01 ppm and 10 ppm. ME-MS41 is a 51 element analysis by aqua regia digestion and a combination of ICP-MS and ICP-AES assaying. Assays for Au, Ag, Cu, Pb, As, Zn and Sb that are above detection are then finished using a gravity method to obtain true value. Final results using the methods above are reported to Ryan Gold electronically, consisting of an excel spreadsheet and a PDF certificate of work.

8.2 Soil sample collection and Geochemical Analytical Procedures

All sampling traverses are pre-planned, with pre-specified sampling intervals, typically 50m. Field technicians navigate to sample site using handheld GPS units. The soil sampler arrives at each sample site, identifies the most appropriate location to collect the sample and lays out a sheet of plastic (12"x20" ore bag). The soil sample is taken using an Eijklcamp brand hand auger at a depth of between 20cm and 110cm. Samplers strive to consistently collect C-Horizon sample material. Where necessary (rocky or frozen ground) a prospector's pick ('mattock') is used to obtain the sample. The soil is laid out on the sheet of plastic in the order it was recovered from the sample hole. Standardized photos are taken of the sample site- across slope, 5m from sample hole with auger inserted. With the necessary amount of soil (400-500 grams) has been collected, the deepest soil is taken and placed in a bag labeled with the 3-letter project and tagged with a unique barcode ID tag containing a unique 7 digit sample identification number. An aluminum metal tag inscribed with the sample identification number is attached to a rock or branch in a visible area at the sample site along with a length of pink flagging tape.

A field duplicate sample is taken once for every 25 samples. Both samples are given unique Sample identification number. The data for both samples is recorded and a note is made indicating the duplicate and its corresponding sample identification number.

The GPS location of the sample site is recorded with a Garmin GPSMap 60cx or 76cx GPS device in UTM NAD83 format, and the waypoint is labeled with the project name and the sample identification number.

A weather-proof handheld device equipped with a barcode scanner is used in the field to record the descriptive attributes of the sample collected. This includes: sample identification number (scanned into device at sample site), soil colour, soil horizon, slope, sample depth, ground and tree vegetation and sample quality and any other relevant information. As well, the GPS coordinates are entered into the handheld device as a secondary backup in case of GPS failure.

Each night in the field, the GPS and Palm PDA devices are downloaded to a laptop computer. The data is verified and mapped on a sampler-by-sampler basis in proprietary database auditing and mapping software. At the end of each day, the crew boss inspects all samples for size and consistency as a quality check. Each sampler then repackages all samples for shipping- barcode scanning them as they are placed into a rice bag which is sealed with a barcoded security zip tie. Samples are shipped from the field to the lab on a daily basis, tracked by the unique ID on each security seal.

A backup of the sample data is made, copied onto a USB memory stick and kept in a separate location from the laptop computer until job completion. Where possible, a backup is also sent via e-mail.

Samples were processed by Acme Labs in Vancouver with Aqua Regia digestion and analyzed with ICP-MS for 36 elements (Acme Labs 1DX-15 gram). Samples are dried at 60°C, sieved at -80 mesh.

9.0 2012 Exploration Results

2012 grid soil sampling on the Chant prospect brought encouraging results, with anomalous areas forming distinct linear corridors. Of the 15 grab samples, the highest Au assay was 0.87 g/t (Sample #42910), obtained from quartz vein material on the Nchant prospect. No grab samples were collected over the 2012 soil grid. Dominant lithologies encountered during the mapping program included foliated metasediments and granitic intrusive rocks. 2012 soil grid geochemistry is displayed and 2012 grab sample locations are displayed in Appendix F. Significant grab sample results are displayed below in Table 1.

Table 1: Chant claim block 2012 Significant Grab Samples.

SAMPLE ID	Sample Date	Prospect	07N Easting	07N Northing	Rock Type	Au (g/t)	Ag (ppm)	As (ppm)	Cu (ppm)	Mo (ppm)	Ni (ppm)	Pb (ppm)	Zn (ppm)
42906	17-Jul-12	Nchant	523012	7088918	QuartzFeldspar	0.001	0.77	2	2210	0.24	2.7	9.7	6450
42910	19-Jul-12	Nchant	520769	7087317	VeinQuartz	0.87	2340	1750	6360	1.25	0.5	557000	148
42911	19-Jul-12	Nchant	521955	7088361	Diorite	0.002	2.77	6.3	26	1.53	19.2	625	58
42912	19-Jul-12	Nchant	521888	7088437	Siltstone	0.003	4.38	7.4	16.2	0.48	4.4	1050	22

10.0 Conclusions and Recommendations

Further investigation of anomalous soil geochemistry on Chant is recommended, as encouraging 2012 soil assay results were returned after the mapping and rock sampling of the prospects. This should include a detailed mapping and sampling program covering the 2012 soil grid. If mineralization is identified at surface, the next logical step in the progression of the project would be further mechanized trenching or drilling to test for mineralization at depth.

11.0 References

- Black, R. (2008). *2007 Geological and Geochemical Report on the Echo Property, Assessment Report #094880*.
- Environment Canada. (2013). *Canadian Climate Normals - 1971-2000*. Retrieved February 19, 2013, from National Climate Data and Information Archive:
http://www.climate.weatheroffice.gc.ca/climate_normals/results_e.html?stnID=1535&lang=e&dCode=0&province=YT&provBut=Search&month1=0&month2=12
- Geological Survey of Canada. (1973). *Paper 73-1, Part A*.
- Gordey, S., & Ryan, J. (2005). *Geology, Stewart River Area (115N, 115O and part 115J), Yukon Territory; Geological Survey of Canada, Open File 4970, scale 1:250,000*.
- Jin, H. (2011). *Assessment Report Describing Soil Geochemistry on the Echo and Chant Claim Group, Dawson Mining District*.
- Jin, H. (2012). *Geological and Geochemical Report on the Fifty Mile Property, Dawson Mining District, NTS: 115N10, 115N15, 115N16*.
- Mortensen, J. (1996). *Geological Compilation Maps of the Northern Stewart River Area, Klondike and Sixtymile Districts (115N/15,16; 115O/13, 14 and parts of 115O/15, 16), 1:50,000 scale. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada*.
- Pautler, J. (2010). *Technical Report on the Fifty Mile project, Dawson, Yukon Territory*.

Appendix A - Statement of Qualifications

Certificate of Author

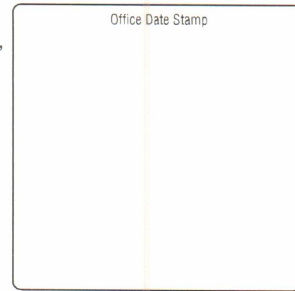
1. I, Jarod Lapp, am employed by Ryan Gold Corp. at Suite 600 – 666 Burrard St. Vancouver, BC. V6C 2X8
2. I am a graduate of the University of Victoria with a B.Sc. (2010) in geosciences.
3. The foregoing report is based on the study of available data and company reports.

Dated at Vancouver this day the Tuesday 15 January, 2013.

Jarod Lapp, BSc.

Appendix B - Statement of Expenditures

I, Robin Sudo
Land Manager/Ryan Gold Corp.
of #600 - 666 Burrard St., Vancouver, B.C. V6C 2X8
Phone 250-421-0939
Client I.D. Number: 4000351
make oath and say that:



1. I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.
2. I have done, or caused to be done, work, on the following mineral claim(s): (Here list claims on which work was actually done by number and name)

See attached Schedule A

CHANT/ENT/NCHANT Property

(Chant/Ent/Nchant 509 Group)

situated at Enchantment Creek/Boucher Creek areas Claim sheet No. 115N15 & 16

in the Dawson Mining District, to the value of at least \$14,600 dollars,

since the 16th day of July to the 19th day of July 20 12,

to represent the following mineral claims under the authority of Grouping Certificate No. _____
(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

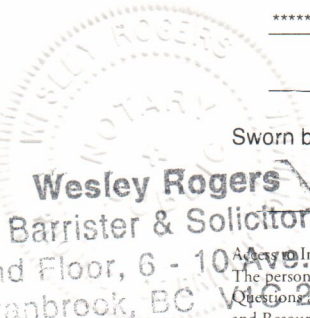
See attached Schedule B

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 56).

See attached Schedule C-Mapping/Rock Sampling = \$14,951.71

***** REPORT TO FOLLOW *****

Sworn before me at Cranbrook, BC this 25 day of January 20 13.



[Signature]
Notary Public

[Signature]
Owner or Authorized Agent

RYAN GOLD CORP.

SCHEDULE A

Chant/Ent/Nchant 509 Group

Claims work was performed on:

GRANT #	CLAIM NAME & #	
YD135501	Nchant	1
YD135502	Nchant	2
YD135504	Nchant	4
YD135507	Nchant	7
YD135510	Nchant	10
YD135513	Nchant	13
YD135523	Nchant	23
YD135525	Nchant	25
YD135526	Nchant	26
YD135528	Nchant	28
YD135551	Nchant	51
YD135553	Nchant	53
YD98786	Nchant	236
YD98787	Nchant	237
YD98788	Nchant	238
YD98790	Nchant	240

**SCHEDULE B
CHANT, ENT & NCHANT CLAIMS**

**MAPPING/ROCK SAMPLING
Dawson MD**

Claims to be renewed:

Grant #	Claim Name	Expiry Date	Years Applied	# of Units	\$100 per Year	\$5 Fee per Year	New Expiry Date
YD135517 - YD135536	Nchant 17 - Nchant 36	January 28, 2015	1.00	20	\$ 2,000.00	\$ 100.00	January 28, 2016
YD135560	Nchant 60	January 28, 2014	2.00	1	\$ 200.00	\$ 10.00	January 28, 2016
YD135562	Nchant 62	January 28, 2014	2.00	1	\$ 200.00	\$ 10.00	January 28, 2016
YD135564	Nchant 64	January 28, 2014	2.00	1	\$ 200.00	\$ 10.00	January 28, 2016
YD135581 - YD135586	Nchant 81 - Nchant 86	January 28, 2014	2.00	6	\$ 1,200.00	\$ 60.00	January 28, 2016
YD135603	Nchant 103	January 28, 2014	2.00	1	\$ 200.00	\$ 10.00	January 28, 2016
YD135605	Nchant 105	January 28, 2014	2.00	1	\$ 200.00	\$ 10.00	January 28, 2016
YD135607	Nchant 107	January 28, 2014	2.00	1	\$ 200.00	\$ 10.00	January 28, 2016
YD135675 - YD135680	Nchant 175 - Nchant 180	January 28, 2014	2.00	6	\$ 1,200.00	\$ 60.00	January 28, 2016
YD15901 - YD15908	ENT 1 - ENT 8	January 20, 2016	1.00	8	\$ 800.00	\$ 40.00	January 20, 2017
YD54138	ENT 226	January 20, 2015	1.00	1	\$ 100.00	\$ 5.00	January 20, 2016
YD54140	ENT 228	January 20, 2015	1.00	1	\$ 100.00	\$ 5.00	January 20, 2016
YD54142	ENT 230	January 20, 2015	1.00	1	\$ 100.00	\$ 5.00	January 20, 2016
YD54144	ENT 232	January 20, 2015	1.00	1	\$ 100.00	\$ 5.00	January 20, 2016
YD54225 - YD54226	ENT 313 - ENT 314	January 20, 2015	1.00	2	\$ 200.00	\$ 10.00	January 20, 2016
YD54227 - YD54230	ENT 315 - ENT 318	January 20, 2014	1.00	4	\$ 400.00	\$ 20.00	January 20, 2015
YD54241 - YD54242	ENT 329 - ENT 330	January 20, 2015	1.00	2	\$ 200.00	\$ 10.00	January 20, 2016
YD54258	ENT 346	January 20, 2015	1.00	1	\$ 100.00	\$ 5.00	January 20, 2016
YD54274	ENT 362	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD54276	ENT 364	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD54278	ENT 366	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD88968	Chant 258	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD88970	Chant 260	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD88972	Chant 262	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD88974	Chant 264	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD88976	Chant 266	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD88978	Chant 268	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD88980	Chant 270	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD88982	Chant 272	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD88984	Chant 274	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD88986	Chant 276	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD88997	Chant 287	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD88998	Chant 288	January 20, 2015	1.00	1	\$ 100.00	\$ 5.00	January 20, 2016
YD88999	Chant 289	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD89000	Chant 290	January 20, 2015	1.00	1	\$ 100.00	\$ 5.00	January 20, 2016
YD89001	Chant 291	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD89002	Chant 292	January 20, 2015	1.00	1	\$ 100.00	\$ 5.00	January 20, 2016
YD89003	Chant 293	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD89004	Chant 294	January 20, 2015	1.00	1	\$ 100.00	\$ 5.00	January 20, 2016
YD89005	Chant 295	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD89006	Chant 296	January 20, 2015	1.00	1	\$ 100.00	\$ 5.00	January 20, 2016
YD89007	Chant 297	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD89008	Chant 298	January 20, 2015	1.00	1	\$ 100.00	\$ 5.00	January 20, 2016
YD89009	Chant 299	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD89010	Chant 300	January 20, 2015	1.00	1	\$ 100.00	\$ 5.00	January 20, 2016
YD89011	Chant 301	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD89012	Chant 302	January 20, 2015	1.00	1	\$ 100.00	\$ 5.00	January 20, 2016
YD89013 - YD89016	Chant 303 - 306	January 20, 2014	1.00	4	\$ 400.00	\$ 20.00	January 20, 2015
YD89041 - YD89042	Chant 331 - Chant 332	January 20, 2016	1.00	2	\$ 200.00	\$ 10.00	January 20, 2017
YD89043 - YD89046	Chant 333 - Chant 336	January 20, 2015	1.00	4	\$ 400.00	\$ 20.00	January 20, 2016
YD89071 - YD89072	Chant 361 - Chant 362	January 20, 2016	1.00	2	\$ 200.00	\$ 10.00	January 20, 2017
YD89073 - YD89076	Chant 363 - Chant 366	January 20, 2015	1.00	4	\$ 400.00	\$ 20.00	January 20, 2016
YD98765 - YD98772	Nchant 215 - Nchant 222	January 28, 2014	1.00	8	\$ 800.00	\$ 40.00	January 28, 2015
YD98773 - YD98780	Nchant 223 - Nchant 230	January 28, 2014	2.00	8	\$ 1,600.00	\$ 80.00	January 28, 2016

120

\$ 14,600.00	\$ 730.00
Work Required	Fees

CERTIFICATE OF WORK

Schedule C - Mapping & Rock Sampling

CHANT/ENT/NCHANT Claims

Dawson MD

(Chant/Ent/Nchant 509 Grouping)

MAPPING/ROCK SAMPLING PROGRAM:

a total of 18 man days were required to do geological mapping & collect 15 rock samples on the Chant/Ent/Nchant property from July 16 to 19/12

Description			Rate	Unit	Total
WAGES:					
Project Geologist	per day		\$ 385.00	3	\$ 1,155.00
Jr. Geologist/Geotech	per day		\$ 275.00	11	\$ 3,025.00
Jr. Geologist/Geotech	per day		\$ 250.00	4	\$ 1,000.00
CONSUMABLE SAMPLING SUPPLIES:					
Flagging, Metal ID Tags, Sample Bags, Ore Bags, Rice Bags, etc.	per sample		\$ 1.00	15	\$ 15.00
MAPS & REPRODUCTIONS/SUPPLIES:					\$ 50.00
EQUIPMENT RENTAL (per unit, per day):					
Iridium Satellite Phone: 1 per crew, charge 10 min/day	per day&min		\$ 35.00	4	\$ 140.00
Radio: ICOM Handheld: 1 per person	per day		\$ 5.00	18	\$ 90.00
Handheld GPS/Camera/Data Recorder	per day		\$ 15.00	18	\$ 270.00
ACCOMODATION and FOOD:					
Meals	per day		\$ 50.00	18	\$ 900.00
Camp Fee	per day		\$ 35.00	18	\$ 630.00
TRANSPORTATION:					
Truck Rental/Driving Force, Whitehorse, YT	per day		\$ 185.00	3	\$ 555.00
HELICOPTER SUPPORT:					
Trans North Helicopter, Whitehorse, YT-\$1,575/hr rate & Fuel	per hour+<u>FUEL</u>		\$ 1,575.00	4.3	\$ 7,623.01
ANALYTICAL ANALYSIS COSTS:					
ALS Canada Ltd., North Vancouver, B.C./ROCK	per sample		\$ 49.00	15	\$ 735.00
REPORT WRITING:					\$ 425.00
MAPPING/ROCK SAMPLING PROGRAM =					\$ 16,613.01

ELIGIBLE EXPENSES

90% of mapping/rock sampling was done within the boundary = \$ 14,951.71

CHANT/ENT/NCHANT 509 GROUPING

MAPPING/ROCK

7 Rocks Collected

PROGRAM

I, Robin Sudo
Land Manager/Ryan Gold Corp.
of #600 - 666 Burrard St., Vancouver, B.C. V6C 2X8
Phone 250-421-0939
Client I.D. Number: 4000351
make oath and say that:



1. I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.
2. I have done, or caused to be done, work, on the following mineral claim(s): (Here list claims on which work was actually done by number and name)

See attached Schedule A

CHANT/ENT/NCHANT Property
(Chan/Ent/Nchant 509 Group)

situated at Enchantment Creek/Boucher Creek areas Claim sheet No. 115N15 & 16

in the Dawson Mining District, to the value of at least \$92,200 dollars,

since the 21st day of June to the 22nd day of August 20 12

to represent the following mineral claims under the authority of Grouping Certificate No. _____
(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

See attached Schedule B

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 56).

See attached Schedule C = \$92,395.22 1618 Samples collected

***** REPORT TO FOLLOW *****

Sworn before me at Cranbrook, BC this 24 day of January 20 13.

Wesley Rogers
Barrister & Solicitor
Notary Public

R. Sudo
Owner or Authorized Agent

Yukon Government
Energy Mines & Resources
Dawson Mining Recorder

REG 01-25-2013 10:39
000011
CT 1

509
922 QGrouping \$254.50
CertofWork \$4,610.00
TL \$4,864.50
CREDIT \$4,864.50

ENERGY MINES & RESOURC
MINING RECORDING Y0B1G0
DAWSON YT
22817072

|||| PURCHASE ||||
01-25-2013 09:49:37
Acct #2892 M
Exp Date **/** Card Type VI
Name:

Trace # 340001
FS2281707201

Auth # 081419 CVD Resp N
RRN 001203001

Total \$4,864.50

Retain this copy for your
records
Customer copy

**SCHEDULE A
CHANT/ENT/NCHANT CLAIMS**

Claims work was performed on:

GRANT #	CLAIM NAME & #
YD47767	Chant 1
YD47768	Chant 2
YD47769	Chant 3
YD47770	Chant 4
YD47781	Chant 15
YD47782	Chant 16
YD47783	Chant 17
YD47784	Chant 18
YD47795	Chant 29
YD47796	Chant 30
YD47797	Chant 31
YD47798	Chant 32
YD47799	Chant 33
YD48009	Chant 43
YD48010	Chant 44
YD48011	Chant 45
YD48012	Chant 46
YD48023	Chant 57
YD48024	Chant 58
YD48025	Chant 59
YD89028	Chant 318
YD89029	Chant 319
YD89030	Chant 320
YD89031	Chant 321
YD89032	Chant 322
YD89033	Chant 323
YD89034	Chant 324
YD89035	Chant 325
YD89036	Chant 326
YD89037	Chant 327
YD89038	Chant 328
YD89057	Chant 347
YD89058	Chant 348
YD89059	Chant 349
YD89060	Chant 350
YD89061	Chant 351
YD89062	Chant 352
YD89063	Chant 353
YD89064	Chant 354
YD89065	Chant 355
YD89066	Chant 356
YD89067	Chant 357
YD89068	Chant 358
YD89091	Chant 381
YD89092	Chant 382
YD89093	Chant 383
YD89094	Chant 384
YD89095	Chant 385
YD89096	Chant 386
YD89097	Chant 387
YD89098	Chant 388
YD89099	Chant 389
YD89100	Chant 390
YD89101	Chant 391
YD89102	Chant 392

SCHEDULE B

CHANT, ENT & NCHANT CLAIMS

Claims to be renewed:

Grant #	Claim Name	Expiry Date	Years Applied	# of Units	\$100 per Year	\$5 Fee per Year	New Expiry Date
YD135501 - YD135512	Nchant 1 - Nchant 12	January 28, 2014	3.00	12	\$ 3,600.00	\$ 180.00	January 28, 2017
YD135513 - YD135516	Nchant 13 - Nchant 16	January 28, 2013	4.00	4	\$ 1,600.00	\$ 80.00	January 28, 2017
YD135517 - YD135536	Nchant 17 - Nchant 36	January 28, 2013	2.00	20	\$ 4,000.00	\$ 200.00	January 28, 2015
YD135543 - YD135558	Nchant 43 - Nchant 58	January 28, 2013	3.00	16	\$ 4,800.00	\$ 240.00	January 28, 2016
YD135560	Nchant 60	January 28, 2013	1.00	1	\$ 100.00	\$ 5.00	January 28, 2014
YD135562	Nchant 62	January 28, 2013	1.00	1	\$ 100.00	\$ 5.00	January 28, 2014
YD135564	Nchant 64	January 28, 2013	1.00	1	\$ 100.00	\$ 5.00	January 28, 2014
YD135565 - YD135574	Nchant 65 - Nchant 74	January 28, 2014	2.00	10	\$ 2,000.00	\$ 100.00	January 28, 2016
YD135575 - YD135580	Nchant 75 - Nchant 80	January 28, 2013	3.00	6	\$ 1,800.00	\$ 90.00	January 28, 2016
YD135581 - YD135586	Nchant 81 - Nchant 86	January 28, 2013	1.00	6	\$ 600.00	\$ 30.00	January 28, 2014
YD135587 - YD135598	Nchant 87 - Nchant 98	January 28, 2014	2.00	12	\$ 2,400.00	\$ 120.00	January 28, 2016
YD135599 - YD135602	Nchant 99 - Nchant 102	January 28, 2013	3.00	4	\$ 1,200.00	\$ 60.00	January 28, 2016
YD135603	Nchant 103	January 28, 2013	1.00	1	\$ 100.00	\$ 5.00	January 28, 2014
YD135604	Nchant 104	January 28, 2013	3.00	1	\$ 300.00	\$ 15.00	January 28, 2016
YD135605	Nchant 105	January 28, 2013	1.00	1	\$ 100.00	\$ 5.00	January 28, 2014
YD135606	Nchant 106	January 28, 2013	3.00	1	\$ 300.00	\$ 15.00	January 28, 2016
YD135607	Nchant 107	January 28, 2013	1.00	1	\$ 100.00	\$ 5.00	January 28, 2014
YD135608 - YD135661	Nchant 108 - Nchant 161	January 28, 2013	3.00	54	\$ 16,200.00	\$ 810.00	January 28, 2016
YD135663	Nchant 163	January 28, 2013	3.00	1	\$ 300.00	\$ 15.00	January 28, 2016
YD135665	Nchant 165	January 28, 2013	3.00	1	\$ 300.00	\$ 15.00	January 28, 2016
YD135675 - YD135680	Nchant 175 - Nchant 180	January 28, 2013	1.00	6	\$ 600.00	\$ 30.00	January 28, 2014
YD135681 - YD135690	Nchant 181 - Nchant 190	January 28, 2013	3.00	10	\$ 3,000.00	\$ 150.00	January 28, 2016
YD135692	Nchant 192	January 28, 2013	3.00	1	\$ 300.00	\$ 15.00	January 28, 2016
YD135694	Nchant 194	January 28, 2013	3.00	1	\$ 300.00	\$ 15.00	January 28, 2016
YD135696	Nchant 196	January 28, 2013	3.00	1	\$ 300.00	\$ 15.00	January 28, 2016
YD15901 - YD15908	ENT 1 - ENT 8	January 20, 2014	2.00	8	\$ 1,600.00	\$ 80.00	January 20, 2016
YD48065 - YD48078	Chant 99 - Chant 112	January 20, 2016	1.00	14	\$ 1,400.00	\$ 70.00	January 20, 2017
YD54138	ENT 226	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD54140	ENT 228	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD54142	ENT 230	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD54144	ENT 232	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD54225 - YD54226	ENT 313 - ENT 314	January 20, 2014	1.00	2	\$ 200.00	\$ 10.00	January 20, 2015
YD88823 - YD88840	Chant 113 - Chant 130	January 20, 2014	3.00	18	\$ 5,400.00	\$ 270.00	January 20, 2017
YD88841 - YD88850	Chant 131 - Chant 140	January 20, 2015	2.00	10	\$ 2,000.00	\$ 100.00	January 20, 2017
YD88851	Chant 141	January 20, 2014	3.00	1	\$ 300.00	\$ 15.00	January 20, 2017
YD88852	Chant 142	January 20, 2015	2.00	1	\$ 200.00	\$ 10.00	January 20, 2017
YD88853	Chant 143	January 20, 2014	3.00	1	\$ 300.00	\$ 15.00	January 20, 2017
YD88854	Chant 144	January 20, 2015	2.00	1	\$ 200.00	\$ 10.00	January 20, 2017
YD88855	Chant 145	January 20, 2014	3.00	1	\$ 300.00	\$ 15.00	January 20, 2017
YD88856	Chant 146	January 20, 2015	2.00	1	\$ 200.00	\$ 10.00	January 20, 2017
YD88857	Chant 147	January 20, 2014	3.00	1	\$ 300.00	\$ 15.00	January 20, 2017
YD88858	Chant 148	January 20, 2015	2.00	1	\$ 200.00	\$ 10.00	January 20, 2017
YD88859	Chant 149	January 20, 2014	3.00	1	\$ 300.00	\$ 15.00	January 20, 2017
YD88860	Chant 150	January 20, 2015	2.00	1	\$ 200.00	\$ 10.00	January 20, 2017
YD88861	Chant 151	January 20, 2014	3.00	1	\$ 300.00	\$ 15.00	January 20, 2017
YD88862	Chant 152	January 20, 2015	2.00	1	\$ 200.00	\$ 10.00	January 20, 2017
YD88863	Chant 153	January 20, 2014	3.00	1	\$ 300.00	\$ 15.00	January 20, 2017
YD88864	Chant 154	January 20, 2015	2.00	1	\$ 200.00	\$ 10.00	January 20, 2017

Cont 'd

SCHEDULE B

CHANT, ENT & NCHANT CLAIMS

Claims to be renewed:

Grant #	Claim Name	Expiry Date	Years Applied	# of Units	\$100 per Year	\$5 Fee per Year	New Expiry Date
YD88865	Chant 155	January 20, 2014	2.00	1	\$ 200.00	\$ 10.00	January 20, 2016
YD88866	Chant 156	January 20, 2015	1.00	1	\$ 100.00	\$ 5.00	January 20, 2016
YD88867	Chant 157	January 20, 2014	2.00	1	\$ 200.00	\$ 10.00	January 20, 2016
YD88868 - YD88878	Chant 158 - Chant 168	January 20, 2015	1.00	11	\$ 1,100.00	\$ 55.00	January 20, 2016
YD88879 - YD88892	Chant 169 - Chant 182	January 20, 2015	2.00	14	\$ 2,800.00	\$ 140.00	January 20, 2017
YD88893 - YD88906	Chant 183 - Chant 196	January 20, 2015	1.00	14	\$ 1,400.00	\$ 70.00	January 20, 2016
YD88998	Chant 288	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD89000	Chant 290	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD89002	Chant 292	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD89004	Chant 294	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD89006	Chant 296	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD89008	Chant 298	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD89010	Chant 300	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD89012	Chant 302	January 20, 2014	1.00	1	\$ 100.00	\$ 5.00	January 20, 2015
YD89027 - YD89040	Chant 317 - Chant 330	January 20, 2014	3.00	14	\$ 4,200.00	\$ 210.00	January 20, 2017
YD89041 - YD89042	Chant 331 - Chant 332	January 20, 2014	2.00	2	\$ 400.00	\$ 20.00	January 20, 2016
YD89043 - YD89046	Chant 333 - Chant 336	January 20, 2014	1.00	4	\$ 400.00	\$ 20.00	January 20, 2015
YD89057 - YD89070	Chant 347 - Chant 360	January 20, 2014	3.00	14	\$ 4,200.00	\$ 210.00	January 20, 2017
YD89071 - YD89072	Chant 361 - Chant 362	January 20, 2014	2.00	2	\$ 400.00	\$ 20.00	January 20, 2016
YD89073 - YD89076	Chant 363 - Chant 366	January 20, 2014	1.00	4	\$ 400.00	\$ 20.00	January 20, 2015
YD89087 - YD89116	Chant 377 - Chant 406	January 20, 2014	3.00	30	\$ 9,000.00	\$ 450.00	January 20, 2017
YD89117	Chant 407	January 20, 2015	2.00	1	\$ 200.00	\$ 10.00	January 20, 2017
YD89118	Chant 408	January 20, 2015	2.00	1	\$ 200.00	\$ 10.00	January 20, 2017
YD98765 - YD98772	Nchant 215 - Nchant 222	January 28, 2013	1.00	8	\$ 800.00	\$ 40.00	January 28, 2014
YD98773 - YD98780	Nchant 223 - Nchant 230	January 28, 2013	1.00	8	\$ 800.00	\$ 40.00	January 28, 2014
YD98783 - YD98794	Nchant 233 - Nchant 244	January 28, 2014	3.00	12	\$ 3,600.00	\$ 180.00	January 28, 2017
YD98795 - YD98799	Nchant 245 - Nchant 249	January 28, 2013	4.00	5	\$ 2,000.00	\$ 100.00	January 28, 2017

398

\$ 92,200.00	\$ 4,610.00
Work Required	Fees

CERTIFICATE OF WORK

**Schedule C - SOIL SAMPLING PROGRAM
CHANT Property**

CHANT.ENT.NCHANT GROUP 2012

SOIL SAMPLING PROGRAM:

a total of 63 man days were required for Ground Truth crews to collect 1,618 soils samples on the CHANT property from June 21 to August 22/12

Description		Rate	Unit	Total
WAGES:				
Chief Geologist - Planning, supervision	per day	\$ 675.00	1	\$ 675.00
Soil Samplers	per day	\$ 350.00	42	\$ 14,700.00
Soil Samplers	per day	\$ 250.00	10	\$ 2,500.00
Project Forman	per day	\$ 400.00	11	\$ 4,400.00
Travel Rate: Soil Sampler	per day	\$ 250.00	0	\$ -
Packing & Prep	per day	\$ 250.00	0	\$ -
DATA MANAGEMENT & PROCESSING SERVICES:				
GIS/Job Layout/Mapping/Results Plotting	per hour	\$ 75.00	4.5	\$ 337.50
Data Processing: In the field	per hour	\$ 60.00	11	\$ 660.00
Database Management/Chain of Custody, Barcoded Samples	\$0.50/sample	\$ 0.50	1618	\$ 809.00
Soil Program QA/QC: Standard/Blank Material&Insertion	\$0.20/sample	\$ 0.20	1618	\$ 323.60
Georeferenced In situ Sample & Sample Site Photos	per sample	\$ 1.00	1618	\$ 1,618.00
CONSUMABLE SAMPLING SUPPLIES:				
Flagging, Metal ID Tags, Sample Bags, Ore Bags, Rice Bags, etc.	per sample	\$ 1.00	1618	\$ 1,618.00
EQUIPMENT RENTAL (per unit, per day):				
Truck Rental: Fuel Extra	per day	\$ 150.00	3	\$ 450.00
Fuel	per km	\$ 0.40	250	\$ 100.00
Flat Deck Trailer: 10,000 lbs., 20 ft.	per day	\$ 100.00	0	\$ -
Chainsaw drop kit: 1 per helicopter load, or as required	per day	\$ 35.00	11	\$ 385.00
Iridium Satellite Phone: 1 per crew, charge 10 min/day	per day&min	\$ 35.00	11	\$ 385.00
Radio: ICOM Handheld: 1 per person	per day	\$ 5.00	53	\$ 265.00
Computer/Software: 1 per camp nightly data download	per day	\$ 50.00	11	\$ 550.00
Handheld GPS/Barcode Scanner/Camera/Data Recorder	per day	\$ 15.00	53	\$ 795.00
Camp Satellite Internet	per day	\$ 20.00	0	\$ -
ACCOMODATION and FOOD:				
Remote Camp Fee: full fly camp/kitchen/generator	per man day	\$ 35.00	53	\$ 1,855.00
Burwash Landing Accomodation/Pilot				\$ -
Food	per man day	\$ 50.00	53	\$ 2,650.00
EXPEDITING COSTS:				\$ 990.00
HELICOPTER SUPPORT:				
Trans North Helicopter, Whitehorse, YK - Astar B2 @ \$1575/hr	per hour+FUEL	\$ 1,575.00	10.5	\$ 19,035.27
Trans North Helicopter, Whitehorse, YK - BH @ \$990/hr	per hour+FUEL	\$ 990.00	1.5	\$ 1,715.85
ANALYTICAL ANALYSIS COSTS:				
Acme Laboratories, Vancouver, B.C./SOILS	per sample	\$ 21.00	1618	\$ 33,978.00
REPORT WRITING:				\$ 1,600.00

	SOIL SAMPLING PROGRAM =	\$ 92,395.22
\$92,395.22	DIVIDED BY 1618 SAMPLES =	\$ 57.10
		COST PER SAMPLE

Appendix C – Claim Tables

District	Grant Number	Claim Name	Claim Number	Claim Owner	Staking Date	Recording Date	Expiry Date
Dawson	YD98783	Nchant	233	Shawn Ryan - 100%	January 25, 2011	January 28, 2011	January 28, 2017
Dawson	YD98784	Nchant	234	Shawn Ryan - 100%	January 25, 2011	January 28, 2011	January 28, 2017
Dawson	YD98785	Nchant	235	Shawn Ryan - 100%	January 25, 2011	January 28, 2011	January 28, 2017
Dawson	YD98786	Nchant	236	Shawn Ryan - 100%	January 25, 2011	January 28, 2011	January 28, 2017
Dawson	YD98787	Nchant	237	Shawn Ryan - 100%	January 25, 2011	January 28, 2011	January 28, 2017
Dawson	YD98788	Nchant	238	Shawn Ryan - 100%	January 25, 2011	January 28, 2011	January 28, 2017
Dawson	YD98789	Nchant	239	Shawn Ryan - 100%	January 25, 2011	January 28, 2011	January 28, 2017
Dawson	YD98790	Nchant	240	Shawn Ryan - 100%	January 25, 2011	January 28, 2011	January 28, 2017
Dawson	YD98791	Nchant	241	Shawn Ryan - 100%	January 25, 2011	January 28, 2011	January 28, 2017
Dawson	YD98792	Nchant	242	Shawn Ryan - 100%	January 25, 2011	January 28, 2011	January 28, 2017
Dawson	YD98793	Nchant	243	Shawn Ryan - 100%	January 25, 2011	January 28, 2011	January 28, 2017
Dawson	YD98794	Nchant	244	Shawn Ryan - 100%	January 25, 2011	January 28, 2011	January 28, 2017
Dawson	YD98795	Nchant	245	Shawn Ryan - 100%	January 25, 2011	January 28, 2011	January 28, 2017
Dawson	YD98796	Nchant	246	Shawn Ryan - 100%	January 25, 2011	January 28, 2011	January 28, 2017
Dawson	YD98797	Nchant	247	Shawn Ryan - 100%	January 25, 2011	January 28, 2011	January 28, 2017
Dawson	YD98798	Nchant	248	Shawn Ryan - 100%	January 25, 2011	January 28, 2011	January 28, 2017
Dawson	YD98799	Nchant	249	Shawn Ryan - 100%	January 25, 2011	January 28, 2011	January 28, 2017

Appendix D – Geochemical Analysis Certificates



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: RYAN GOLD CORP.
 713 - 4TH AVENUE, LOT 12, BLOCK HD
 P.O. BOX 5070
 DAWSON CITY YT Y0B 1G0

Page: 1
 Finalized Date: 20-JUN-2012
 Account: RYGCOR

CERTIFICATE WH12128748

Project: Tin & Fifty Mile

P.O. No.:

This report is for 11 Rock samples submitted to our lab in Whitehorse, YT, Canada on 11-JUN-2012.

The following have access to data associated with this certificate:

HUA JIN

ANDY RANDELL

CARRIE WONG

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 24	Pulp Login - Rcd w/o Barcode
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% <2mm
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um
CRU- QC	Crushing QC Test
BAG- 01	Bulk Master for Storage
PUL- QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP22	Au 50g FA ICP- AES finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: RYAN GOLD CORP.
 ATTN: ANDY RANDELL
 713 - 4TH AVENUE, LOT 12, BLOCK HD
 P.O. BOX 5070
 DAWSON CITY YT Y0B 1G0

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 20-JUN- 2012
 Account: RYGCOR

Project: Tin & Fifty Mile

CERTIFICATE OF ANALYSIS WH12128748

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP22 Au ppm	ME- MS41 Ag ppm	ME- MS41 Al %	ME- MS41 As ppm	ME- MS41 Au ppm	ME- MS41 B ppm	ME- MS41 Ba ppm	ME- MS41 Be ppm	ME- MS41 Bi ppm	ME- MS41 Ca %	ME- MS41 Cd ppm	ME- MS41 Ce ppm	ME- MS41 Co ppm	ME- MS41 Cr ppm
15352		3.84	0.001	0.03	0.49	3.5	<0.2	<10	250	0.11	0.05	0.08	0.01	0.25	0.7	6
15403		2.00	0.001	0.05	2.95	2.7	<0.2	<10	90	0.32	0.04	2.19	0.13	18.65	18.0	16
40901		2.98	0.002	0.29	0.17	4.1	<0.2	<10	290	0.10	0.05	0.03	0.74	5.51	1.2	9
41362		1.68	0.002	0.05	1.92	1.4	<0.2	<10	320	0.20	0.02	0.75	0.20	3.37	13.1	18
41364		0.10	<0.001	0.02	1.72	0.7	<0.2	<10	50	0.99	0.02	0.68	0.02	27.1	24.8	57
41365		0.05	0.193	0.02	1.46	0.9	0.2	<10	50	0.77	0.03	0.59	0.02	21.6	18.3	47
41366		0.06	1.800	0.02	1.41	0.6	1.7	<10	80	0.78	0.02	0.57	0.02	20.0	15.4	45
42501		3.09	0.001	0.17	0.12	3.7	<0.2	<10	210	0.08	0.16	4.28	2.05	8.22	4.1	14
42502		1.96	0.004	0.11	0.02	3.8	<0.2	<10	20	<0.05	0.02	2.26	0.25	0.30	0.4	16
42503		1.25	0.001	0.06	0.56	0.9	<0.2	<10	30	0.98	0.04	0.05	0.26	53.2	0.3	4
42751		2.94	0.002	0.31	0.12	1.3	<0.2	<10	80	0.13	0.26	3.86	0.49	10.30	2.6	17



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Page: 2 - B
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 20-JUN-2012
 Account: RYGCOR

Project: Tin & Fifty Mile

CERTIFICATE OF ANALYSIS WH12128748

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Cs ppm 0.05	Cu ppm 0.2	Fe % 0.01	Ga ppm 0.05	Ge ppm 0.05	Hf ppm 0.02	Hg ppm 0.01	In ppm 0.005	K % 0.01	La ppm 0.2	Li ppm 0.1	Mg % 0.01	Mn ppm 5	Mo ppm 0.05	Na % 0.01
15352		0.40	4.3	0.75	1.99	<0.05	<0.02	<0.01	<0.005	0.13	<0.2	1.4	0.09	81	0.57	0.11
15403		0.33	30.1	3.96	9.31	0.05	0.03	<0.01	0.015	0.19	8.3	13.1	2.45	1180	0.20	0.06
40901		0.20	25.5	1.48	0.59	<0.05	0.09	0.07	0.020	0.05	3.4	0.9	0.02	77	1.38	0.01
41362		0.54	13.8	3.13	6.14	0.07	0.04	<0.01	0.008	0.61	1.8	15.5	1.49	579	0.25	0.14
41364		0.18	27.8	3.40	6.78	0.08	0.31	<0.01	0.009	0.38	14.6	2.9	1.67	439	1.45	0.61
41365		0.17	23.8	2.83	5.67	0.06	0.30	<0.01	0.008	0.34	12.1	2.5	1.32	384	1.37	0.51
41366		0.14	19.8	2.47	5.22	0.06	0.33	<0.01	0.006	0.34	11.5	2.1	1.05	357	1.25	0.47
42501		0.15	8.9	1.36	0.44	<0.05	0.10	0.03	0.009	0.02	3.7	0.8	1.68	571	3.53	0.02
42502		<0.05	13.3	0.54	0.13	<0.05	0.02	<0.01	<0.005	0.01	0.2	0.4	0.03	51	1.33	0.01
42503		4.43	1.4	1.20	6.46	0.13	2.29	<0.01	0.145	0.23	29.8	41.5	0.03	188	1.49	0.06
42751		0.11	4.8	1.70	0.71	<0.05	0.12	<0.01	0.010	0.03	4.6	1.5	1.55	720	1.61	0.02

***** See Appendix Page for comments regarding this certificate *****



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Page: 2 - C
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 20-JUN-2012
 Account: RYGCOR

Project: Tin & Fifty Mile

CERTIFICATE OF ANALYSIS WH12128748

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
15352		0.44	1.3	30	2.8	3.6	<0.001	0.01	0.20	0.6	0.3	<0.2	21.9	<0.01	<0.01	<0.2
15403		<0.05	12.5	1480	2.6	8.5	<0.001	0.01	0.87	6.5	<0.2	0.2	80.0	<0.01	<0.01	1.5
40901		<0.05	9.0	340	5.2	2.0	<0.001	0.02	1.56	0.4	0.8	<0.2	19.7	<0.01	0.03	0.7
41362		0.33	5.3	530	2.0	25.0	<0.001	0.02	0.83	6.8	0.4	0.2	35.1	<0.01	<0.01	0.7
41364		3.05	94.8	1160	6.5	15.4	<0.001	0.02	0.06	1.3	<0.2	0.8	212	0.06	<0.01	1.8
41365		2.59	71.9	940	7.3	14.8	<0.001	0.02	0.07	1.1	0.2	0.8	175.5	0.05	<0.01	1.5
41366		2.24	57.8	890	5.1	12.3	0.001	0.01	0.07	1.2	<0.2	0.7	178.0	0.04	<0.01	1.4
42501		<0.05	20.2	60	27.0	0.8	<0.001	0.02	0.23	1.5	0.7	<0.2	96.0	<0.01	0.02	0.6
42502		0.05	5.4	80	0.4	0.3	<0.001	0.01	0.57	0.1	0.4	<0.2	3.9	<0.01	0.04	<0.2
42503		8.74	1.6	10	10.9	63.7	0.001	0.01	0.27	1.9	2.9	4.4	3.0	0.01	<0.01	38.5
42751		0.09	8.0	110	19.5	1.7	<0.001	0.01	0.38	1.2	1.4	<0.2	35.0	<0.01	0.03	2.6

***** See Appendix Page for comments regarding this certificate *****



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 20- JUN- 2012
 Account: RYGCOR

Project: Tin & Fifty Mile

CERTIFICATE OF ANALYSIS WH12128748

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ti %	Tl ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
15352		0.007	0.03	<0.05	7	<0.05	0.15	4	<0.5
15403		0.013	0.04	0.33	93	0.18	6.06	68	0.7
40901		<0.005	0.09	0.77	13	0.09	3.23	81	4.0
41362		0.172	0.16	0.14	90	0.39	5.09	57	0.9
41364		0.432	0.03	0.60	56	0.10	4.63	45	27.1
41365		0.353	0.04	0.52	45	0.10	3.92	38	23.3
41366		0.304	0.03	0.59	39	0.09	3.31	33	25.2
42501		<0.005	0.45	0.42	9	<0.05	7.45	46	5.7
42502		<0.005	0.03	0.13	3	<0.05	0.39	39	1.5
42503		0.016	0.33	7.65	1	0.99	62.6	97	47.3
42751		<0.005	0.02	0.66	7	<0.05	12.10	26	10.7



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 20-JUN-2012
Account: RYGCOR

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CERTIFICATE OF ANALYSIS WH12128748

Method	CERTIFICATE COMMENTS
ME- MS41	Gold determinations by this method are semi- quantitative due to the small sample weight used (0.5g).



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Page: 1
 Finalized Date: 29- AUG- 2012
 Account: RYGCOR

CERTIFICATE WH12184206

Project: 50 Mile
 P.O. No.: 5M12- 001
 This report is for 15 Rock samples submitted to our lab in Whitehorse, YT, Canada on 9- AUG- 2012.

The following have access to data associated with this certificate:

ANDY RANDELL

CARRIE WONG

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 24	Pulp Login - Rcd w/o Barcode
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um
BAG- 01	Bulk Master for Storage
PUL- QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Pb- OG46	Ore Grade Pb - Aqua Regia	VARIABLE
Pb- VOL70	Pb by Titration	
Au- ICP22	Au 50g FA ICP- AES finish	ICP- AES
Au- GRA22	Au 50 g FA- GRAV finish	WST- SIM
ME- MS41	51 anal. aqua regia ICPMS	
Ag- OG46	Ore Grade Ag - Aqua Regia	VARIABLE
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Ag- GRA21	Ag 30g FA- GRAV finish	WST- SIM

To: RYAN GOLD CORP.
 ATTN: ANDY RANDELL
 713 - 4TH AVENUE, LOT 12, BLOCK HD
 P.O. BOX 5070
 DAWSON CITY YT Y0B 1G0

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Comments: Gold assay on sample 42910 is reported by fire assay gravimetric method due to high silver content in the sample that may cause incomplete gold dissolution in aqua- regia solution.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: RYAN GOLD CORP.
 713 - 4TH AVENUE, LOT 12, BLOCK HD
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 DAWSON CITY YT Y0B 1G0

Page: 2 - A
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 29- AUG- 2012
 Account: RYGCOR

Project: 50 Mile

CERTIFICATE OF ANALYSIS WH12184206

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP22 Au ppm	Au- GRA22 Au ppm	ME- MS41 Ag ppm	ME- MS41 Al %	ME- MS41 As ppm	ME- MS41 Au ppm	ME- MS41 B ppm	ME- MS41 Ba ppm	ME- MS41 Be ppm	ME- MS41 Bi ppm	ME- MS41 Ca %	ME- MS41 Cd ppm	ME- MS41 Ce ppm	ME- MS41 Co ppm
		0.02	0.001	0.05	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1
42701		2.30	0.001		0.02	1.36	0.7	<0.2	<10	100	0.29	0.06	0.32	0.06	38.0	7.5
42702		2.34	0.001		0.10	2.05	0.3	<0.2	<10	70	0.23	0.02	0.97	0.08	17.55	17.9
42703		2.40	0.001		0.04	2.81	0.5	<0.2	<10	80	0.33	0.01	2.43	0.10	14.90	17.8
42901		2.14	0.062		0.72	1.43	1.0	<0.2	<10	410	0.11	0.10	0.58	0.05	6.73	19.8
42902		2.36	0.001		0.01	0.11	0.2	<0.2	<10	20	<0.05	0.01	0.04	0.03	0.98	1.6
42903		1.88	0.003		0.23	1.60	1.6	<0.2	<10	170	0.58	0.07	0.22	0.39	59.4	10.2
42904		0.12	1.805		0.03	1.37	0.4	1.7	<10	80	0.81	0.02	0.55	0.03	22.4	16.8
42905		2.22	0.003		0.03	1.31	0.2	<0.2	<10	70	0.19	0.06	0.08	0.06	43.0	7.0
42906		2.54	0.001		0.77	0.42	2.0	<0.2	<10	70	0.71	0.36	0.05	52.9	6.04	17.8
42907		2.80	0.001		0.02	2.09	0.1	<0.2	<10	680	0.18	0.02	0.43	0.12	9.51	13.6
42908		2.72	0.001		0.03	0.22	0.3	<0.2	<10	130	0.09	0.01	0.03	0.08	0.12	0.4
42909		2.74	0.003		0.15	6.16	5.7	<0.2	10	70	0.59	0.06	4.18	0.35	16.50	2.3
42910		4.10		0.87	>100	0.02	1750	0.7	<10	30	<0.05	13.55	0.01	61.0	2.29	0.3
42911		4.28	0.002		2.77	1.62	6.3	<0.2	<10	390	0.29	0.09	0.70	0.22	53.0	12.0
42912		3.50	0.003		4.38	1.52	7.4	<0.2	<10	190	0.85	0.12	0.37	0.16	28.5	4.3

Comments: Gold assay on sample 42910 is reported by fire assay gravimetric method due to high silver content in the sample that may cause incomplete gold dissolution in aqua- regia solution.

***** See Appendix Page for comments regarding this certificate *****



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: RYAN GOLD CORP.
 713 - 4TH AVENUE, LOT 12, BLOCK HD
 P.O. BOX 5070
 DAWSON CITY YT Y0B 1G0

Page: 2 - B
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 29- AUG- 2012
 Account: RYGCOR

Project: 50 Mile

CERTIFICATE OF ANALYSIS WH12184206

Sample Description	Method Analyte Units LOR	ME- MS41 Cr ppm	ME- MS41 Cs ppm	ME- MS41 Cu ppm	ME- MS41 Fe %	ME- MS41 Ga ppm	ME- MS41 Ge ppm	ME- MS41 Hf ppm	ME- MS41 Hg ppm	ME- MS41 In ppm	ME- MS41 K %	ME- MS41 La ppm	ME- MS41 Li ppm	ME- MS41 Mg %	ME- MS41 Mn ppm	ME- MS41 Mo ppm
		1	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
42701		29	1.05	18.5	1.99	4.14	0.07	0.04	<0.01	0.008	0.42	17.5	15.2	0.46	235	0.23
42702		8	0.40	46.7	3.76	8.88	0.11	0.04	<0.01	0.017	0.20	8.4	16.1	1.96	869	0.09
42703		14	0.32	31.5	3.44	8.59	0.10	0.04	<0.01	0.012	0.17	6.9	13.8	2.37	1010	0.07
42901		21	1.29	514	3.02	5.82	0.12	0.04	<0.01	0.071	0.46	2.7	12.8	0.83	295	0.71
42902		21	0.11	8.1	0.60	0.50	<0.05	<0.02	<0.01	<0.005	0.02	0.4	1.0	0.05	79	0.30
42903		19	0.41	44.7	3.23	5.35	0.11	0.03	<0.01	0.016	0.20	29.6	11.5	0.67	382	0.49
42904		48	0.16	21.8	2.47	5.04	0.10	0.33	<0.01	0.009	0.30	12.2	2.6	1.05	369	1.43
42905		20	0.76	29.1	2.18	3.64	0.07	0.02	<0.01	0.009	0.36	22.2	10.6	0.43	219	0.50
42906		6	0.75	2210	0.53	1.38	<0.05	0.02	<0.01	<0.005	0.15	2.5	5.4	0.09	534	0.24
42907		28	1.07	4.3	3.50	7.04	0.15	0.03	0.01	0.009	1.24	4.7	13.3	1.13	472	0.20
42908		8	0.08	6.2	0.42	0.75	<0.05	<0.02	<0.01	<0.005	0.09	<0.2	0.7	0.03	60	0.22
42909		10	1.78	29.3	0.44	12.75	0.15	0.23	<0.01	0.007	0.13	6.6	5.3	0.17	144	0.30
42910		3	<0.05	6360	0.85	0.31	<0.05	<0.02	1.58	1.575	0.01	0.9	0.2	<0.01	35	1.25
42911		53	3.38	26.0	3.56	6.83	0.16	0.10	0.01	0.019	0.97	26.9	24.5	1.07	377	1.53
42912		11	3.63	16.2	2.30	6.89	0.11	0.06	0.01	0.034	0.31	13.4	24.1	0.55	258	0.48

Comments: Gold assay on sample 42910 is reported by fire assay gravimetric method due to high silver content in the sample that may cause incomplete gold dissolution in aqua-regia solution.

***** See Appendix Page for comments regarding this certificate *****



ALS Canada Ltd.
 2103 Dollarton Hwy
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 P.O. BOX 5070
 DAWSON CITY YT Y0B 1G0

Page: 2 - C
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 29- AUG- 2012
 Account: RYGCOR

Project: 50 Mile

CERTIFICATE OF ANALYSIS WH12184206

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm
		0.01	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
42701		0.04	0.84	19.6	330	10.9	28.9	<0.001	0.01	0.06	2.3	0.2	0.4	28.8	<0.01	0.02
42702		0.04	0.05	14.6	1420	1.3	8.2	<0.001	0.01	0.08	7.1	0.2	0.2	46.3	<0.01	0.01
42703		0.05	0.08	11.6	1530	1.8	8.7	<0.001	0.01	0.24	6.1	0.2	<0.2	88.8	<0.01	0.01
42901		0.13	0.22	9.6	720	2.8	16.2	0.001	0.34	0.09	10.3	2.9	0.5	30.6	<0.01	0.19
42902		0.01	0.05	4.2	60	2.0	1.4	<0.001	<0.01	<0.05	0.4	<0.2	0.2	3.1	<0.01	0.01
42903		0.02	0.07	22.9	640	23.6	10.6	<0.001	0.01	0.06	4.9	0.3	0.2	20.5	<0.01	0.03
42904		0.44	2.11	60.9	920	5.4	14.9	<0.001	0.01	0.05	1.5	0.3	0.7	184.5	0.02	0.01
42905		0.03	0.19	11.7	160	4.1	27.4	<0.001	0.02	<0.05	2.9	0.2	0.2	12.0	<0.01	0.03
42906		0.03	0.09	2.7	50	9.7	12.5	<0.001	0.01	0.11	0.4	0.6	<0.2	11.1	<0.01	<0.01
42907		0.10	0.80	5.5	510	3.0	62.6	<0.001	0.01	0.08	5.3	0.2	0.8	28.4	<0.01	0.01
42908		0.08	<0.05	1.0	20	6.7	2.4	<0.001	0.01	0.10	0.1	<0.2	<0.2	14.8	<0.01	<0.01
42909		1.02	0.37	7.3	1000	20.5	4.1	0.001	0.06	0.27	2.9	0.5	0.5	401	0.01	0.01
42910		0.01	<0.05	0.5	10	>10000	0.4	0.002	>10.0	3830	0.1	0.9	1.5	90.8	<0.01	0.01
42911		0.22	1.24	19.2	1550	625	78.4	<0.001	0.03	4.58	4.5	0.5	1.1	72.9	0.01	<0.01
42912		0.10	0.64	4.4	500	1050	20.8	<0.001	0.12	7.48	5.8	0.4	0.7	42.7	<0.01	0.01

Comments: Gold assay on sample 42910 is reported by fire assay gravimetric method due to high silver content in the sample that may cause incomplete gold dissolution in aqua-regia solution.

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Page: 2 - D
 Total # Pages: 2 (A - D)
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 Finalized Date: 29- AUG- 2012
 Account: RYGCOR

Project: 50 Mile

CERTIFICATE OF ANALYSIS WH12184206

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Ag- OG46	Ag- GRA21	Pb- OG46	Pb- VOL70
		Th	Ti	Tl	U	V	W	Y	Zn	Zr	Ag	Ag	Pb	Pb
		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.2	0.005	0.02	0.05	1	0.05	0.05	2	0.5	1	5	0.001	0.01
42701		9.7	0.110	0.20	0.76	22	0.08	4.52	47	1.0				
42702		1.9	0.072	0.04	0.32	133	0.07	6.55	99	1.0				
42703		1.2	0.024	0.04	0.33	95	0.20	5.96	67	1.0				
42901		0.6	0.183	0.12	0.15	127	0.34	7.42	34	0.7				
42902		<0.2	<0.005	<0.02	<0.05	4	<0.05	0.42	4	<0.5				
42903		10.0	0.009	0.06	0.85	44	0.05	8.55	95	0.5				
42904		1.7	0.328	0.03	0.68	42	0.13	3.78	35	24.7				
42905		13.9	0.033	0.17	1.85	13	<0.05	4.84	44	0.8				
42906		1.4	<0.005	0.13	0.32	3	<0.05	5.81	6450	<0.5				
42907		2.4	0.266	0.30	0.27	65	0.10	2.61	59	0.5				
42908		<0.2	<0.005	<0.02	<0.05	1	<0.05	0.07	14	<0.5				
42909		1.4	0.191	0.06	0.89	36	0.12	7.70	39	7.8				
42910		0.5	<0.005	0.29	11.10	<1	18.80	0.05	148	<0.5	>1500	2340	>20.0	55.70
42911		11.6	0.328	0.29	1.81	135	0.55	11.65	58	1.9				
42912		5.9	0.083	0.12	1.05	57	0.23	8.22	22	1.4				

Comments: Gold assay on sample 42910 is reported by fire assay gravimetric method due to high silver content in the sample that may cause incomplete gold dissolution in aqua- regia solution.

***** See Appendix Page for comments regarding this certificate *****



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DAWSON CITY YT Y0B 1G0

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 29- AUG- 2012
Account: RYGCOR

Project: 50 Mile

CERTIFICATE OF ANALYSIS WH12184206

Method	CERTIFICATE COMMENTS
ME- MS41	Gold determinations by this method are semi- quantitative due to the small sample weight used (0.5g).



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Ryan Gold Corp.**
600 - 666 Burrard St.
Vancouver BC V6C 1H2 Canada

Submitted By: Andy Randell
Receiving Lab: Canada-Dawson City
Received: June 25, 2012
Report Date: July 13, 2012
Page: 1 of 12

CERTIFICATE OF ANALYSIS

DAW12000054.1

CLIENT JOB INFORMATION

Project: CHA
Shipment ID:
P.O. Number
Number of Samples: 312

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

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

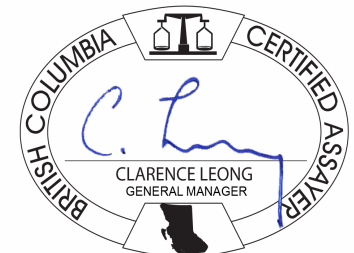
Invoice To: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Dave Schmidt
Isaac Fage

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	312	Dry at 60C			DAW
SS80	312	Dry at 60C sieve 100g to -80 mesh			DAW
RJSV	312	Saving all or part of Soil Reject			DAW
1DX2	312	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.



Acme Analytical Laboratories (Vancouver) Ltd.
 1020 Cordova St. East Vancouver BC V6A 4A3 Canada
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Client: **Ryan Gold Corp.**
 600 - 666 Burrard St.
 Vancouver BC V6C 1H2 Canada

Project: CHA
 Report Date: July 13, 2012

Page: 2 of 12

Part: 1 of 2

CERTIFICATE OF ANALYSIS

DAW1200054.1

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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1320397	Soil		1.0	33.7	50.3	55	0.1	14.7	21.3	329	3.75	15.9	0.6	15.0	0.7	165	0.1	0.5	0.2	107	0.39	0.131
1320402	Soil		0.6	20.3	7.8	54	<0.1	17.9	9.3	194	2.68	11.5	0.6	5.2	2.0	23	0.1	0.5	0.2	68	0.28	0.070
1320398	Soil		0.8	36.6	14.5	55	0.1	20.4	27.3	446	3.99	28.9	0.6	12.2	2.0	127	0.3	0.5	0.2	108	0.43	0.111
1320399	Soil		0.8	18.2	8.5	54	<0.1	19.0	10.0	513	3.05	10.5	0.6	5.2	0.5	14	0.1	0.6	0.2	81	0.13	0.079
1320403	Soil		0.5	32.2	12.2	49	<0.1	16.9	18.4	543	4.05	45.1	0.6	19.4	2.4	40	0.3	0.4	0.4	109	0.49	0.132
1320400	Soil		0.6	24.0	8.2	58	<0.1	18.9	22.9	284	2.83	9.3	0.5	15.0	2.2	60	0.1	0.4	0.1	72	0.43	0.077
1321287	Soil		0.8	25.8	13.7	55	<0.1	18.5	19.6	624	4.45	16.8	0.9	39.0	2.7	273	0.2	0.6	0.1	132	0.57	0.132
1321290	Soil		1.0	17.5	9.7	49	<0.1	18.7	8.4	323	2.90	10.9	0.7	17.9	0.5	13	0.2	0.5	0.1	76	0.16	0.068
1321297	Soil		1.7	33.5	24.9	46	0.1	16.2	27.6	1060	4.96	30.5	0.8	18.1	1.7	61	0.5	1.5	0.6	89	0.53	0.159
1321293	Soil		0.5	52.2	10.8	45	<0.1	16.9	23.5	868	4.83	16.7	0.3	40.8	1.3	125	0.2	0.6	0.1	123	0.80	0.213
1321292	Soil		0.5	53.8	11.8	44	<0.1	14.5	17.8	362	4.11	10.9	0.4	6.7	1.1	93	0.2	0.4	<0.1	124	0.56	0.154
1321288	Soil		1.0	21.5	11.6	69	<0.1	24.1	12.7	550	3.55	13.1	0.9	14.9	3.0	75	0.2	0.6	0.1	95	0.36	0.102
1321295	Soil		1.8	19.7	29.8	52	<0.1	17.5	27.0	865	5.47	41.6	0.5	3.1	1.5	293	0.5	1.5	0.1	145	0.78	0.188
1321312	Soil		1.1	22.8	16.5	52	0.2	17.2	7.2	251	2.40	10.9	0.9	3.2	1.2	12	0.2	0.6	0.3	63	0.18	0.053
1321284	Soil		3.0	16.8	14.4	43	<0.1	14.3	9.0	291	2.46	11.2	0.8	2.5	1.0	24	0.2	0.5	0.2	68	0.15	0.073
1321305	Soil		0.9	21.7	35.1	61	0.2	17.2	8.2	367	2.67	15.0	0.7	5.1	2.6	15	0.2	1.1	0.4	60	0.17	0.049
1321291	Soil		1.1	22.6	9.0	56	<0.1	20.7	9.0	279	2.94	11.4	0.5	4.2	1.7	14	<0.1	0.6	0.1	78	0.16	0.039
1321303	Soil		1.9	31.4	79.3	51	0.4	18.6	13.9	689	3.24	31.2	1.2	20.4	1.6	23	0.1	1.9	0.7	72	0.18	0.093
1321286	Soil		3.8	22.1	17.1	49	0.1	14.5	12.2	346	3.92	22.0	0.8	4.6	0.7	67	0.2	0.8	0.2	105	0.17	0.083
1321294	Soil		0.7	19.3	19.7	54	0.2	19.2	23.9	675	5.35	39.2	0.5	42.0	1.8	101	0.3	0.9	0.3	126	0.71	0.179
1321296	Soil		1.5	6.8	10.0	39	<0.1	6.0	78.1	1006	7.00	123.0	0.6	12.7	2.0	50	0.3	1.2	0.1	160	0.76	0.211
1320409	Soil		1.7	30.2	34.0	57	0.1	21.2	12.8	528	3.58	26.2	1.0	7.9	1.4	20	0.3	1.7	0.5	80	0.19	0.076
1321285	Soil		2.5	15.1	11.5	37	<0.1	12.8	7.8	212	2.76	8.8	0.9	6.4	0.4	42	0.2	0.4	0.2	80	0.17	0.099
1320420	Soil		0.9	25.7	11.1	50	0.2	16.1	6.9	276	2.16	7.6	0.7	3.2	0.7	17	0.2	0.5	0.3	55	0.20	0.056
1320405	Soil		1.1	109.7	13.1	53	0.1	19.7	20.4	667	4.19	15.0	0.7	46.9	1.5	91	0.3	0.5	0.9	116	0.45	0.139
1320396	Soil		1.2	14.8	29.9	65	0.2	14.9	13.2	391	3.28	13.5	0.5	4.8	0.8	182	0.3	0.8	0.3	85	0.32	0.075
1320401	Soil		1.4	432.0	20.5	149	0.2	216.2	73.9	800	15.14	3.0	1.2	31.3	7.0	13	0.1	0.3	0.1	218	0.29	0.041
1320417	Soil		1.0	48.6	12.5	50	0.3	16.8	9.0	422	2.11	8.9	0.9	1.4	0.9	20	0.2	0.5	0.3	51	0.25	0.058
1321302	Soil		2.0	34.4	66.4	55	0.3	19.0	13.1	694	2.95	50.5	1.4	9.5	1.1	33	0.2	2.2	0.6	60	0.38	0.099
1320395	Soil		1.3	19.4	28.3	58	0.2	19.4	11.1	305	3.17	13.8	0.7	4.4	1.0	69	0.3	0.6	0.2	86	0.21	0.058

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
			ppm	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm		
			1	1	0.01	1	0.001	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2		
1320397	Soil		8	31	0.81	165	0.063	1	2.19	0.015	0.03	0.2	0.07	3.8	0.1	<0.05	7	<0.5	0.3
1320402	Soil		14	34	0.64	134	0.072	1	1.71	0.013	0.06	0.2	0.04	4.3	0.1	<0.05	5	<0.5	<0.2
1320398	Soil		9	40	0.94	171	0.082	1	2.03	0.020	0.05	0.3	0.05	5.6	<0.1	<0.05	7	<0.5	<0.2
1320399	Soil		8	31	0.51	154	0.049	1	1.97	0.011	0.05	0.2	0.09	2.2	0.1	0.07	7	0.6	<0.2
1320403	Soil		22	43	1.35	220	0.056	<1	1.94	0.012	0.04	0.1	0.03	9.0	<0.1	<0.05	8	<0.5	0.3
1320400	Soil		12	36	0.72	150	0.080	<1	1.85	0.015	0.07	0.1	0.03	5.0	0.1	<0.05	5	<0.5	<0.2
1321287	Soil		13	31	1.07	224	0.101	<1	2.48	0.030	0.10	0.3	0.04	6.6	0.2	<0.05	7	<0.5	<0.2
1321290	Soil		12	31	0.41	130	0.052	2	1.76	0.008	0.04	0.4	0.10	2.2	<0.1	0.06	6	<0.5	<0.2
1321297	Soil		28	20	0.82	277	0.030	<1	1.75	0.020	0.14	0.2	0.06	7.7	0.2	0.13	6	1.1	0.3
1321293	Soil		11	61	1.64	179	0.061	<1	2.46	0.011	0.16	0.1	0.06	7.1	0.2	<0.05	9	<0.5	<0.2
1321292	Soil		7	41	1.15	230	0.108	1	2.99	0.021	0.22	<0.1	0.08	4.3	0.2	0.07	8	<0.5	<0.2
1321288	Soil		14	32	0.80	216	0.094	2	2.12	0.022	0.07	0.3	0.04	4.8	0.1	<0.05	6	<0.5	<0.2
1321295	Soil		12	55	1.51	183	0.070	<1	2.88	0.028	0.13	0.2	0.06	8.2	0.2	<0.05	9	0.7	0.4
1321312	Soil		13	32	0.52	212	0.045	1	1.70	0.008	0.07	0.2	0.04	3.2	0.1	0.05	6	<0.5	<0.2
1321284	Soil		10	27	0.39	130	0.051	2	2.18	0.010	0.05	0.2	0.10	2.5	0.1	0.11	6	<0.5	<0.2
1321305	Soil		13	27	0.49	176	0.041	1	1.44	0.008	0.08	0.2	0.07	2.8	0.1	<0.05	5	<0.5	0.2
1321291	Soil		10	31	0.51	119	0.074	1	2.25	0.010	0.05	0.2	0.06	3.0	0.1	0.07	7	0.6	<0.2
1321303	Soil		16	27	0.48	404	0.028	2	1.64	0.011	0.09	0.3	0.11	4.2	0.2	0.07	5	0.5	0.3
1321286	Soil		9	26	0.70	163	0.053	<1	2.63	0.012	0.05	0.1	0.13	4.4	0.2	0.05	9	0.6	0.4
1321294	Soil		15	56	1.66	172	0.050	1	2.59	0.016	0.08	0.1	0.05	9.4	<0.1	<0.05	9	<0.5	0.6
1321296	Soil		33	15	1.20	190	0.026	<1	2.50	0.022	0.21	0.1	0.06	12.1	0.3	0.11	11	1.1	0.6
1320409	Soil		14	31	0.56	353	0.040	1	1.95	0.010	0.08	0.2	0.06	4.1	0.2	0.10	6	<0.5	<0.2
1321285	Soil		10	25	0.51	156	0.039	1	2.03	0.009	0.05	0.2	0.11	3.2	0.1	0.12	6	0.5	<0.2
1320420	Soil		12	27	0.43	272	0.038	<1	1.53	0.008	0.07	0.2	0.04	2.8	0.2	0.09	6	<0.5	<0.2
1320405	Soil		14	36	1.19	216	0.085	1	2.46	0.019	0.08	0.2	0.10	5.9	0.2	0.05	7	<0.5	<0.2
1320396	Soil		10	26	0.60	216	0.054	2	2.07	0.018	0.04	0.2	0.07	3.2	<0.1	0.14	6	<0.5	<0.2
1320401	Soil		17	719	0.14	146	0.175	4	4.19	0.013	0.07	<0.1	0.03	39.5	0.1	<0.05	21	<0.5	<0.2
1320417	Soil		13	24	0.47	324	0.030	<1	1.54	0.008	0.07	0.1	0.07	2.8	0.2	<0.05	5	<0.5	<0.2
1321302	Soil		16	20	0.50	535	0.021	1	1.57	0.011	0.12	0.2	0.11	3.5	0.2	0.17	5	0.7	0.4
1320395	Soil		11	32	0.54	170	0.057	1	2.26	0.012	0.04	0.2	0.05	3.1	0.2	0.09	7	<0.5	<0.2



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Method	Analyte	Unit	MDL	1DX15 Mo	1DX15 Cu	1DX15 Pb	1DX15 Zn	1DX15 Ag	1DX15 Ni	1DX15 Co	1DX15 Mn	1DX15 Fe	1DX15 As	1DX15 U	1DX15 Au	1DX15 Th	1DX15 Sr	1DX15 Cd	1DX15 Sb	1DX15 Bi	1DX15 V	1DX15 Ca	1DX15 P
				ppm	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1321300	Soil			1.7	36.1	24.2	61	<0.1	28.5	19.3	853	3.05	31.3	1.4	8.1	3.1	46	0.2	1.9	0.4	54	0.23	0.069
1321309	Soil			1.0	21.5	17.8	47	0.1	14.6	6.4	314	2.03	9.5	0.6	3.9	1.3	18	0.3	0.7	0.3	59	0.22	0.047
1320419	Soil			0.9	35.6	14.9	53	0.2	15.6	5.8	229	2.19	9.9	0.7	1.7	0.9	15	0.2	0.5	0.3	58	0.19	0.036
1321307	Soil			0.8	17.6	22.9	54	<0.1	17.6	8.6	396	2.34	11.5	0.7	11.2	3.8	16	0.2	0.8	0.4	54	0.22	0.056
1320392	Soil			3.5	10.3	6.6	24	0.2	8.0	4.9	92	1.39	4.3	0.6	2.9	0.1	60	1.0	0.4	<0.1	42	0.40	0.103
1321306	Soil			0.9	10.8	18.8	30	0.1	7.8	4.1	168	1.89	10.3	0.4	1.2	1.5	11	0.2	0.4	0.4	47	0.12	0.030
1321304	Soil			1.0	20.2	42.6	48	0.2	15.7	13.1	631	2.71	15.0	0.8	8.9	2.2	16	0.2	1.9	0.4	64	0.17	0.056
1321308	Soil			0.7	16.8	19.0	28	0.2	8.9	3.8	124	1.59	6.1	0.8	4.8	1.9	10	0.2	0.4	0.3	36	0.09	0.029
1321299	Soil			2.7	37.9	28.5	58	0.2	18.7	9.8	486	3.40	34.6	1.0	8.8	0.5	22	0.4	2.9	1.2	63	0.14	0.118
1320418	Soil			0.7	41.0	9.6	27	0.3	10.8	4.1	123	1.46	5.1	1.0	2.0	0.2	19	0.2	0.3	0.2	32	0.20	0.069
1320394	Soil			0.7	18.5	202.3	98	1.5	10.6	38.0	969	5.36	21.1	0.7	17.8	1.6	766	0.5	1.2	2.7	154	1.37	0.188
1320393	Soil			2.4	15.2	12.8	33	0.3	9.5	7.2	183	1.75	12.3	0.7	4.4	0.3	84	0.3	0.5	0.4	63	0.53	0.099
1320416	Soil			0.5	27.8	3.9	17	0.3	7.0	1.8	113	0.61	1.8	0.7	1.5	0.1	35	0.6	0.2	0.1	14	0.51	0.126
1320407	Soil			2.8	40.1	170.9	65	1.0	16.0	13.9	969	3.62	30.7	1.1	21.4	2.1	24	0.5	5.0	1.0	68	0.12	0.107
1320413	Soil			0.8	62.2	7.5	28	0.5	10.9	5.1	189	1.72	6.5	1.2	3.8	0.4	23	0.3	0.3	0.2	36	0.31	0.110
1321301	Soil			1.3	411.7	20.1	150	0.2	201.6	72.6	782	14.83	3.1	1.2	32.2	6.9	14	<0.1	0.3	0.1	208	0.27	0.039
1320412	Soil			1.2	22.2	12.5	52	0.1	19.2	9.0	351	2.94	13.7	0.8	5.7	2.2	19	0.3	0.8	0.3	68	0.19	0.048
1320408	Soil			1.6	30.0	37.7	54	0.2	18.4	10.9	405	3.72	38.9	0.9	28.2	3.0	25	0.3	2.9	0.7	67	0.21	0.080
1321298	Soil			2.2	50.1	17.7	68	<0.1	22.9	20.6	911	3.81	43.0	1.2	16.0	1.3	36	0.4	1.7	1.0	86	0.40	0.123
1320406	Soil			1.5	45.8	12.5	56	0.2	22.8	20.5	541	4.11	24.8	0.6	60.2	2.8	33	0.2	0.9	0.9	103	0.37	0.104
1320411	Soil			1.3	18.4	14.0	40	0.2	13.5	6.6	248	2.16	11.0	0.8	10.4	1.1	22	0.2	0.8	0.3	55	0.26	0.069
1320415	Soil			0.7	40.5	7.1	43	0.2	13.6	5.8	258	1.94	13.1	0.7	17.0	1.5	18	0.1	0.7	0.9	41	0.25	0.044
1321313	Soil			1.0	21.5	13.2	50	0.2	14.9	7.8	369	2.20	8.6	0.8	7.6	0.9	18	0.2	0.5	0.3	57	0.22	0.047
1320414	Soil			0.5	72.0	3.5	16	0.3	6.6	2.6	254	0.50	1.4	0.8	43.9	0.2	59	1.0	0.4	0.1	14	0.99	0.124
1320404	Soil			0.7	17.9	5.1	24	<0.1	7.7	4.8	166	1.68	3.1	0.3	4.7	<0.1	18	0.1	0.3	0.2	49	0.20	0.106
1320410	Soil			0.9	14.7	16.8	49	<0.1	15.0	8.8	356	2.40	10.0	0.6	4.4	1.9	20	0.3	0.9	0.2	57	0.20	0.051
1320367	Soil			0.9	29.0	10.0	53	<0.1	23.3	11.8	290	3.29	8.3	0.7	3.7	3.7	24	0.1	0.5	0.1	106	0.20	0.029
1320388	Soil			0.9	16.3	10.7	44	<0.1	12.6	7.9	278	2.38	7.7	0.7	6.4	1.5	16	0.2	0.4	0.2	58	0.18	0.046
1321311	Soil			0.9	18.7	15.3	52	0.2	16.2	6.8	171	2.20	9.1	0.9	5.5	1.5	16	0.2	0.6	0.2	58	0.20	0.049
1320378	Soil			1.0	35.6	18.0	61	<0.1	22.9	11.0	330	3.07	10.9	0.6	4.2	3.5	14	0.2	0.6	0.3	81	0.16	0.032



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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1321300	Soil	14	20	0.49	386	0.031	<1	1.40	0.010	0.09	0.2	0.04	3.4	0.2	0.09	4	<0.5	0.3
1321309	Soil	12	24	0.40	293	0.044	1	1.26	0.009	0.08	0.2	0.06	2.7	0.1	0.07	5	<0.5	<0.2
1320419	Soil	12	27	0.45	235	0.036	<1	1.54	0.007	0.07	0.2	0.03	2.5	0.1	0.06	6	<0.5	<0.2
1321307	Soil	15	25	0.46	176	0.054	1	1.32	0.010	0.06	0.3	0.04	3.0	<0.1	<0.05	4	<0.5	<0.2
1320392	Soil	7	16	0.28	192	0.021	1	1.02	0.012	0.04	0.1	0.08	1.9	<0.1	0.17	4	<0.5	<0.2
1321306	Soil	8	15	0.22	147	0.018	<1	1.12	0.006	0.06	0.2	0.04	1.6	0.1	<0.05	5	<0.5	<0.2
1321304	Soil	12	26	0.61	249	0.038	1	1.51	0.011	0.07	0.3	0.07	4.2	0.1	0.06	5	<0.5	<0.2
1321308	Soil	9	18	0.26	114	0.028	<1	1.16	0.011	0.04	0.1	0.04	2.1	0.1	<0.05	4	<0.5	<0.2
1321299	Soil	11	21	0.42	377	0.015	1	1.33	0.011	0.11	0.2	0.09	2.9	0.3	0.24	4	<0.5	0.5
1320418	Soil	9	16	0.21	269	0.015	<1	1.03	0.011	0.04	0.1	0.07	1.2	<0.1	0.07	3	<0.5	<0.2
1320394	Soil	10	32	1.24	293	0.026	1	2.70	0.039	0.06	0.2	0.08	7.7	0.1	<0.05	8	<0.5	0.8
1320393	Soil	8	17	0.33	160	0.048	2	1.21	0.013	0.05	0.3	0.08	2.3	<0.1	0.19	5	<0.5	<0.2
1320416	Soil	11	10	0.09	327	0.008	3	0.49	0.008	0.05	<0.1	0.17	0.8	<0.1	0.20	1	<0.5	<0.2
1320407	Soil	13	25	0.41	362	0.028	2	1.25	0.010	0.15	0.3	0.11	5.0	0.3	0.23	5	1.0	0.3
1320413	Soil	16	18	0.24	343	0.020	1	1.25	0.008	0.05	0.2	0.13	1.9	<0.1	0.15	4	<0.5	<0.2
1321301	Soil	17	685	0.13	136	0.159	4	3.65	0.012	0.06	<0.1	0.02	37.1	0.1	<0.05	20	<0.5	<0.2
1320412	Soil	12	26	0.52	208	0.048	2	1.74	0.008	0.07	0.3	0.06	3.4	0.1	<0.05	5	<0.5	<0.2
1320408	Soil	14	23	0.44	339	0.037	<1	1.08	0.017	0.11	0.4	0.05	4.1	0.2	0.17	4	<0.5	0.4
1321298	Soil	25	23	0.75	394	0.025	1	1.92	0.019	0.08	0.2	0.11	5.7	0.3	0.10	6	<0.5	0.3
1320406	Soil	14	37	0.84	191	0.064	1	2.03	0.014	0.06	0.4	0.07	5.7	0.2	0.06	7	<0.5	0.4
1320411	Soil	10	23	0.47	274	0.037	1	1.28	0.009	0.07	0.2	0.07	3.0	0.1	0.10	5	<0.5	<0.2
1320415	Soil	13	22	0.35	207	0.029	1	0.96	0.007	0.06	0.2	0.05	2.0	<0.1	<0.05	4	<0.5	<0.2
1321313	Soil	11	29	0.49	232	0.038	1	1.44	0.007	0.06	0.2	0.05	2.7	0.1	0.06	6	<0.5	<0.2
1320414	Soil	24	9	0.09	528	0.012	4	0.47	0.010	0.04	<0.1	0.15	1.8	<0.1	0.24	<1	<0.5	<0.2
1320404	Soil	5	22	0.40	63	0.025	1	1.11	0.016	0.04	<0.1	0.29	1.9	<0.1	0.16	4	0.7	<0.2
1320410	Soil	10	21	0.58	309	0.031	1	1.53	0.008	0.07	0.2	0.05	3.0	0.1	0.06	5	<0.5	<0.2
1320367	Soil	11	44	0.70	160	0.095	1	2.44	0.015	0.05	0.2	0.04	3.5	<0.1	0.08	7	<0.5	<0.2
1320388	Soil	9	26	0.47	172	0.053	1	1.37	0.012	0.06	0.1	0.04	3.7	0.1	<0.05	5	<0.5	<0.2
1321311	Soil	12	31	0.55	226	0.044	1	1.58	0.008	0.06	0.2	0.05	3.2	0.1	0.08	6	<0.5	<0.2
1320378	Soil	10	35	0.71	155	0.095	2	2.02	0.009	0.12	0.1	0.01	4.9	0.1	<0.05	6	<0.5	<0.2



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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1320375	Soil	1.2	17.6	15.7	59	0.2	17.0	12.0	456	2.99	16.2	1.1	18.8	2.4	23	0.2	0.6	0.4	78	0.26	0.038
1320372	Soil	1.2	27.2	17.2	65	0.1	22.9	12.7	459	3.02	8.6	0.9	32.9	2.6	29	0.4	0.4	0.3	84	0.26	0.068
1320369	Soil	1.2	31.0	10.0	58	<0.1	25.3	14.0	465	3.22	8.4	1.1	13.0	5.7	40	<0.1	0.5	0.2	103	0.34	0.069
1320361	Soil	1.4	43.7	14.9	54	0.2	22.9	16.1	709	3.01	5.8	2.4	8.1	3.5	81	0.1	0.3	0.2	93	0.57	0.095
1321289	Soil	0.7	19.1	10.5	53	<0.1	23.6	12.2	652	3.45	12.4	0.7	9.4	0.4	21	0.3	0.6	0.1	91	0.18	0.075
1320360	Soil	2.1	24.2	16.2	47	<0.1	16.3	9.8	184	4.58	5.6	0.8	35.6	3.7	90	0.2	0.3	0.4	146	0.26	0.076
1320373	Soil	1.2	20.6	13.5	60	0.1	22.0	9.9	404	2.79	8.9	0.9	11.5	1.3	28	0.4	0.4	0.2	75	0.26	0.057
1321310	Soil	1.0	26.5	15.1	45	0.3	15.1	5.5	194	2.03	8.6	0.7	3.5	0.4	19	0.2	0.6	0.2	57	0.22	0.061
1320368	Soil	0.7	43.0	10.2	45	<0.1	17.7	16.5	420	3.62	5.5	1.5	10.0	4.8	160	0.2	0.3	1.2	116	0.82	0.111
1320363	Soil	1.2	31.3	14.6	56	<0.1	24.6	13.3	391	3.15	7.6	1.2	4.0	6.7	58	0.2	0.4	0.2	105	0.32	0.086
1320387	Soil	0.7	19.6	11.7	53	0.2	16.9	8.4	267	2.57	6.5	0.7	4.7	1.9	19	0.1	0.4	0.2	67	0.23	0.045
1320374	Soil	0.9	19.4	11.4	50	<0.1	18.0	10.9	379	2.72	13.2	0.7	24.4	3.1	18	0.2	0.6	0.2	72	0.20	0.044
1320370	Soil	1.3	28.1	12.6	63	<0.1	24.3	13.8	460	3.42	10.0	1.0	6.9	4.7	26	0.2	0.5	0.2	100	0.24	0.061
1320366	Soil	1.6	23.8	11.0	55	0.1	21.2	10.5	341	3.65	6.8	0.6	9.7	1.8	25	0.3	0.3	0.2	117	0.20	0.046
1320389	Soil	0.7	19.9	11.2	50	0.1	14.3	8.9	266	2.73	6.4	0.7	11.2	1.8	17	0.2	0.4	0.2	72	0.19	0.045
1320376	Soil	1.1	17.9	16.6	65	0.1	17.6	12.4	411	3.29	16.1	1.1	16.4	2.5	22	0.3	0.6	0.4	82	0.24	0.036
1320371	Soil	0.8	23.2	10.4	49	<0.1	22.0	10.7	312	3.01	10.6	0.6	4.4	3.7	13	0.2	0.5	0.2	84	0.13	0.032
1320364	Soil	1.3	28.7	10.9	53	<0.1	23.5	10.7	317	3.22	6.1	0.9	9.3	3.4	44	0.2	0.3	0.3	132	0.40	0.086
1320391	Soil	1.2	19.5	13.2	50	0.2	14.3	9.5	327	2.84	6.1	1.0	6.3	1.2	29	<0.1	0.3	0.3	75	0.32	0.051
1320365	Soil	0.8	30.5	9.4	54	<0.1	23.0	12.1	393	3.50	4.5	1.3	5.2	4.4	55	0.2	0.4	0.1	149	0.51	0.106
1320377	Soil	1.1	36.9	15.4	54	0.1	17.0	10.1	310	3.29	14.9	0.8	4.5	1.9	18	0.2	0.6	0.3	86	0.18	0.037
1320379	Soil	1.1	28.5	26.8	71	<0.1	23.8	11.3	420	3.07	9.7	0.7	6.8	3.5	15	0.3	0.6	0.2	71	0.17	0.033
1320390	Soil	1.1	26.2	11.1	52	0.2	14.0	8.6	266	3.06	5.6	1.3	5.1	1.7	25	0.2	0.3	0.2	87	0.24	0.052
1320381	Soil	0.7	58.4	19.1	54	0.7	16.8	14.1	504	4.05	6.2	1.0	8.6	1.1	74	0.3	0.4	0.2	115	0.44	0.066
1320362	Soil	2.3	27.3	15.4	57	<0.1	23.1	11.7	371	4.07	9.3	0.8	3.2	4.0	32	0.4	0.4	0.3	120	0.25	0.037
1320386	Soil	0.8	19.9	13.4	55	0.2	18.2	8.9	243	2.66	6.9	0.7	68.6	2.4	22	0.1	0.4	0.2	66	0.26	0.045
1320380	Soil	0.9	31.4	19.8	62	<0.1	20.6	11.5	395	3.32	8.4	0.5	1.7	2.3	16	0.2	0.6	0.3	83	0.17	0.031
1320384	Soil	0.7	32.1	16.1	58	0.4	18.6	9.8	290	3.25	8.7	0.8	2.3	1.4	26	0.2	0.4	0.3	90	0.29	0.052
1320382	Soil	0.5	35.0	13.9	54	<0.1	15.6	9.9	327	3.03	6.6	0.6	9.0	2.8	19	0.2	0.5	0.2	83	0.24	0.031
1320875	Soil	1.5	19.1	13.6	51	<0.1	19.6	14.0	528	4.44	18.3	0.6	5.2	2.1	223	0.3	0.7	0.2	127	0.51	0.095

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
			ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
			1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1320375	Soil		10	30	0.63	202	0.064	<1	1.59	0.011	0.08	0.1	0.03	5.7	0.2	<0.05	6	<0.5	<0.2
1320372	Soil		13	37	0.64	271	0.082	1	2.04	0.015	0.08	0.2	0.02	4.8	0.1	0.07	7	<0.5	<0.2
1320369	Soil		16	44	0.79	263	0.136	2	2.08	0.021	0.09	0.3	0.03	4.5	0.1	<0.05	6	<0.5	<0.2
1320361	Soil		18	40	0.76	294	0.089	1	2.09	0.020	0.10	0.2	0.05	5.1	0.1	0.11	6	<0.5	<0.2
1321289	Soil		10	30	0.63	186	0.048	1	2.25	0.014	0.05	0.2	0.08	2.0	0.1	0.13	6	<0.5	<0.2
1320360	Soil		11	43	0.56	179	0.097	<1	1.33	0.118	0.13	0.2	0.02	2.3	0.1	0.53	6	0.6	0.2
1320373	Soil		13	35	0.51	272	0.059	1	1.66	0.011	0.07	0.2	0.04	3.5	0.1	0.10	6	<0.5	<0.2
1321310	Soil		10	30	0.48	263	0.035	<1	1.21	0.010	0.05	0.1	0.04	1.9	0.1	0.12	5	<0.5	<0.2
1320368	Soil		17	63	1.22	166	0.122	<1	2.51	0.049	0.23	0.2	0.02	6.8	0.3	0.07	8	<0.5	0.5
1320363	Soil		16	42	0.70	348	0.125	1	2.22	0.023	0.09	0.3	0.04	3.2	0.1	0.10	6	<0.5	<0.2
1320387	Soil		10	33	0.56	203	0.065	1	1.73	0.011	0.06	0.1	0.05	4.2	0.1	0.08	6	<0.5	<0.2
1320374	Soil		12	35	0.63	177	0.079	2	1.60	0.010	0.13	0.2	0.02	5.2	0.2	0.08	6	<0.5	<0.2
1320370	Soil		12	39	0.69	209	0.100	2	2.42	0.018	0.08	0.2	0.04	4.8	0.2	0.09	7	<0.5	<0.2
1320366	Soil		9	48	0.59	162	0.100	1	2.09	0.011	0.05	0.2	0.03	3.3	0.1	0.08	8	<0.5	<0.2
1320389	Soil		10	28	0.59	179	0.073	1	1.68	0.011	0.09	0.2	0.03	4.5	0.1	0.10	6	<0.5	<0.2
1320376	Soil		11	29	0.72	209	0.070	2	1.63	0.013	0.08	0.1	0.02	6.1	0.1	0.06	6	<0.5	0.2
1320371	Soil		10	39	0.61	165	0.093	2	2.57	0.011	0.05	0.2	0.05	4.3	0.1	0.05	6	<0.5	<0.2
1320364	Soil		12	54	0.66	206	0.105	1	1.66	0.013	0.10	0.2	0.03	3.4	<0.1	0.08	6	<0.5	<0.2
1320391	Soil		10	27	0.58	283	0.061	2	1.64	0.013	0.07	0.1	0.06	4.6	0.1	0.14	6	<0.5	<0.2
1320365	Soil		15	60	0.72	210	0.105	2	1.59	0.035	0.13	0.2	<0.01	3.9	0.1	0.08	6	<0.5	<0.2
1320377	Soil		11	29	0.70	224	0.078	1	2.00	0.012	0.11	0.3	0.03	6.3	0.2	0.11	7	<0.5	<0.2
1320379	Soil		12	34	0.65	171	0.078	1	1.94	0.009	0.10	0.2	0.02	4.9	0.2	0.07	6	<0.5	<0.2
1320390	Soil		9	27	0.71	232	0.090	1	1.75	0.015	0.15	0.1	0.05	6.1	0.1	0.13	7	<0.5	<0.2
1320381	Soil		6	39	1.06	288	0.109	1	2.11	0.023	0.43	0.1	0.04	8.8	0.3	0.08	7	<0.5	<0.2
1320362	Soil		10	39	0.72	256	0.134	1	2.14	0.012	0.08	0.2	0.02	3.7	0.1	0.05	9	<0.5	<0.2
1320386	Soil		11	32	0.63	220	0.068	2	1.79	0.012	0.06	0.2	0.03	4.7	0.1	0.07	6	<0.5	<0.2
1320380	Soil		10	34	0.74	175	0.094	2	1.89	0.010	0.13	0.1	<0.01	4.9	0.2	0.10	7	<0.5	<0.2
1320384	Soil		9	34	0.74	288	0.085	2	2.15	0.015	0.11	0.1	0.05	6.1	0.2	0.11	7	<0.5	<0.2
1320382	Soil		10	27	0.78	188	0.113	<1	1.51	0.013	0.17	0.1	0.01	5.7	0.2	0.07	6	<0.5	<0.2
1320875	Soil		11	31	0.87	316	0.059	1	2.89	0.031	0.05	0.2	0.03	4.7	0.1	0.18	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	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1320383	Soil		0.9	23.6	15.1	37	0.2	9.9	5.7	205	2.09	5.7	0.5	4.5	0.6	16	0.3	0.3	0.3	77	0.17	0.028
1320385	Soil		0.8	23.0	15.1	58	0.2	18.6	10.4	317	2.86	6.8	0.9	15.6	1.9	24	<0.1	0.4	0.2	73	0.27	0.052
1320879	Soil		0.7	18.0	11.1	57	<0.1	20.8	13.5	303	3.23	9.1	0.7	3.3	2.9	58	0.2	0.5	0.1	96	0.43	0.113
1320876	Soil		1.9	21.0	11.4	51	0.1	17.0	13.4	470	4.54	15.5	0.9	11.0	2.9	278	0.4	0.6	0.1	138	0.73	0.143
1320874	Soil		5.9	19.2	42.9	80	0.3	20.6	22.9	467	5.25	25.3	0.8	11.2	0.9	308	0.5	0.8	0.5	115	0.41	0.156
1320877	Soil		1.6	17.9	11.9	55	<0.1	19.3	18.7	554	4.60	16.5	0.6	17.6	2.6	221	0.2	0.7	0.1	138	0.57	0.123
1320878	Soil		0.9	16.1	12.1	54	<0.1	19.8	14.3	539	4.16	11.3	0.7	10.6	2.5	77	0.3	0.6	0.1	121	0.54	0.148
1320901	Soil		1.4	470.3	22.3	168	0.2	235.4	83.3	837	16.38	2.4	1.3	31.2	7.4	14	0.1	0.3	0.2	231	0.30	0.039
1320880	Soil		0.8	17.8	11.8	57	<0.1	21.4	14.5	408	3.19	11.1	0.4	3.2	2.3	53	0.3	0.6	0.1	89	0.34	0.103
1320881	Soil		0.7	10.5	10.8	51	0.1	13.3	21.0	608	4.94	15.2	0.5	1.8	0.6	357	0.3	0.7	0.1	132	0.71	0.243
1320883	Soil		0.9	53.8	11.7	44	0.1	15.7	28.3	1106	4.62	15.9	0.4	8.3	0.6	83	0.2	0.8	0.1	138	0.61	0.171
1320882	Soil		1.4	20.5	12.7	42	0.2	13.5	21.3	435	3.84	22.1	0.6	5.6	0.7	149	0.1	0.7	0.2	103	0.49	0.158
1320897	Soil		0.9	13.8	16.0	44	<0.1	14.3	6.4	217	2.58	11.4	0.5	3.6	1.4	11	0.3	0.9	0.5	65	0.11	0.029
1320884	Soil		2.3	109.1	14.4	49	0.3	16.7	18.7	405	3.88	38.7	0.6	20.1	0.4	105	0.3	1.0	0.3	85	0.27	0.141
1320900	Soil		1.0	22.4	15.9	53	0.1	16.7	6.6	302	2.13	11.5	0.7	1.4	0.9	20	0.2	0.8	0.4	55	0.24	0.051
1320898	Soil		0.9	17.7	18.5	52	<0.1	17.2	9.1	356	2.46	12.5	0.7	1.6	2.4	17	0.3	0.9	0.3	55	0.15	0.047
1320885	Soil		2.7	45.8	16.5	51	0.2	16.6	12.8	331	3.28	23.5	0.8	10.5	0.3	55	0.2	0.8	0.2	91	0.17	0.109
1320889	Soil		3.3	20.8	14.1	62	0.1	18.0	10.4	415	3.70	27.0	0.7	4.1	0.3	35	0.6	2.3	0.3	84	0.23	0.107
1320887	Soil		1.4	27.1	13.6	50	<0.1	18.3	22.6	997	5.01	33.9	0.9	9.7	1.4	51	0.4	2.2	0.2	109	0.58	0.194
1320888	Soil		2.3	21.9	11.0	32	0.2	13.1	9.2	276	3.51	25.7	1.0	5.2	0.5	58	0.3	1.7	0.2	73	0.31	0.141
1320886	Soil		1.0	15.0	5.7	28	<0.1	6.8	4.0	214	1.70	3.6	0.5	0.9	0.1	12	<0.1	0.3	0.2	41	0.14	0.083
1320902	Soil		1.4	23.5	90.7	43	0.3	14.1	5.6	182	1.97	18.1	0.9	5.0	0.3	25	0.4	1.1	0.4	39	0.28	0.090
1320892	Soil		1.3	21.4	10.2	43	<0.1	14.9	11.1	356	3.39	28.4	0.7	10.1	3.0	29	0.2	1.5	0.4	68	0.23	0.063
1320891	Soil		2.9	23.4	15.7	40	<0.1	17.4	11.5	395	3.05	39.2	0.8	60.7	1.1	28	0.1	4.2	0.5	56	0.31	0.080
1320899	Soil		1.2	12.5	13.2	34	<0.1	11.9	4.3	189	1.56	5.4	0.4	1.4	0.4	11	0.2	0.4	0.2	38	0.12	0.040
1320895	Soil		1.4	17.3	19.0	54	0.2	15.2	9.3	468	2.46	20.4	0.8	8.1	1.3	19	0.2	1.8	0.4	52	0.20	0.071
1320905	Soil		0.9	19.1	11.6	58	<0.1	19.0	9.1	360	2.66	9.5	0.7	1.7	2.3	19	0.1	0.6	0.3	53	0.26	0.045
1320873	Soil		2.9	13.6	28.6	83	0.2	13.3	15.7	482	4.26	18.6	0.5	6.5	1.3	226	0.2	0.6	0.2	117	0.59	0.128
1320893	Soil		2.1	24.4	11.9	43	<0.1	15.3	10.6	317	3.40	27.6	1.0	13.0	3.7	28	<0.1	2.0	0.5	59	0.24	0.059
1320894	Soil		1.8	28.4	33.1	53	0.4	17.9	10.6	431	3.66	38.8	1.0	12.5	1.9	30	0.2	3.6	1.4	59	0.29	0.085

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1320383	Soil	8	22	0.39	169	0.084	1	1.25	0.013	0.07	0.1	0.03	3.3	0.1	0.12	7	<0.5	<0.2
1320385	Soil	11	37	0.67	301	0.070	2	1.96	0.013	0.07	0.1	0.04	5.6	0.1	0.12	7	<0.5	<0.2
1320879	Soil	12	31	0.81	158	0.092	1	2.06	0.018	0.05	0.3	0.04	5.4	<0.1	0.11	6	<0.5	<0.2
1320876	Soil	13	31	0.87	319	0.067	<1	2.20	0.036	0.06	0.3	0.04	5.0	<0.1	0.11	6	<0.5	<0.2
1320874	Soil	12	29	0.71	168	0.057	1	2.78	0.049	0.06	0.2	0.11	3.7	<0.1	0.28	8	1.2	0.7
1320877	Soil	12	31	1.14	192	0.089	1	2.79	0.022	0.08	0.2	0.03	6.7	0.1	0.08	8	<0.5	0.4
1320878	Soil	12	29	0.95	173	0.069	<1	2.08	0.018	0.06	0.3	0.04	5.5	0.1	0.10	6	<0.5	<0.2
1320901	Soil	18	750	0.15	148	0.183	4	4.06	0.013	0.06	<0.1	0.02	39.9	0.1	0.07	22	<0.5	<0.2
1320880	Soil	10	28	0.76	143	0.078	1	2.26	0.014	0.05	0.2	0.02	4.9	<0.1	0.09	6	<0.5	<0.2
1320881	Soil	9	23	1.27	245	0.061	<1	2.82	0.024	0.07	0.1	0.05	6.1	0.2	0.12	9	<0.5	<0.2
1320883	Soil	11	45	1.58	147	0.102	2	2.82	0.027	0.26	<0.1	0.14	10.6	0.3	0.17	9	0.6	0.3
1320882	Soil	11	23	1.02	159	0.052	2	2.30	0.023	0.04	0.1	0.12	6.1	0.1	0.16	7	0.9	0.3
1320897	Soil	10	23	0.34	143	0.029	<1	1.55	0.007	0.06	0.1	0.03	2.5	0.1	0.12	6	<0.5	<0.2
1320884	Soil	8	34	0.76	138	0.047	2	2.00	0.029	0.06	0.2	0.21	3.3	0.1	0.22	6	0.8	0.5
1320900	Soil	11	26	0.43	287	0.038	2	1.24	0.009	0.07	0.2	0.05	2.4	0.1	0.14	5	<0.5	<0.2
1320898	Soil	11	27	0.45	150	0.043	1	1.52	0.008	0.08	0.2	0.05	2.6	<0.1	0.10	5	<0.5	<0.2
1320885	Soil	9	30	0.58	117	0.055	2	2.19	0.012	0.04	0.1	0.17	3.3	0.1	0.23	6	0.7	<0.2
1320889	Soil	10	31	0.57	393	0.026	1	1.40	0.011	0.11	0.1	0.15	3.1	0.5	0.23	6	<0.5	0.2
1320887	Soil	26	28	1.04	491	0.032	<1	1.99	0.015	0.12	0.3	0.09	9.5	0.3	<0.05	7	0.5	0.4
1320888	Soil	15	19	0.57	383	0.017	1	1.56	0.019	0.08	0.2	0.18	4.1	0.3	0.21	6	0.7	0.4
1320886	Soil	6	15	0.25	59	0.026	1	1.06	0.016	0.03	<0.1	0.14	1.4	<0.1	0.10	4	0.6	<0.2
1320902	Soil	9	21	0.31	294	0.017	1	1.12	0.010	0.07	0.1	0.16	1.8	0.1	0.08	4	0.7	0.3
1320892	Soil	10	20	0.65	296	0.052	<1	1.51	0.013	0.12	0.2	0.04	4.4	0.2	0.07	5	<0.5	<0.2
1320891	Soil	9	18	0.42	398	0.021	1	1.02	0.010	0.09	0.2	0.09	3.4	0.4	0.06	4	0.7	0.4
1320899	Soil	8	20	0.30	160	0.027	1	0.87	0.009	0.04	0.2	0.05	1.5	<0.1	<0.05	4	<0.5	<0.2
1320895	Soil	9	27	0.42	258	0.032	1	1.17	0.009	0.06	0.3	0.11	2.8	0.1	0.06	5	0.6	<0.2
1320905	Soil	12	30	0.59	277	0.045	1	1.62	0.007	0.08	0.1	0.03	3.5	0.1	<0.05	5	<0.5	<0.2
1320873	Soil	9	24	0.85	194	0.051	<1	2.15	0.038	0.05	0.2	0.04	4.5	<0.1	0.11	7	0.7	0.3
1320893	Soil	11	19	0.53	201	0.038	<1	1.12	0.023	0.10	0.2	0.04	3.6	0.2	0.11	4	0.5	0.3
1320894	Soil	10	21	0.45	561	0.012	2	1.45	0.015	0.11	0.3	0.15	4.6	0.4	0.10	5	0.6	0.5

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Project: CHA
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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1320890	Soil	3.6	36.2	13.9	57	<0.1	23.2	17.3	649	3.85	46.6	1.3	8.6	1.6	35	0.3	6.8	0.3	78	0.34	0.108
1320904	Soil	0.7	18.1	12.4	42	0.1	14.4	4.8	117	2.04	9.1	0.8	4.6	0.6	13	0.2	0.5	0.2	56	0.15	0.041
1320896	Soil	1.2	24.3	23.7	66	0.3	18.6	9.8	431	2.46	21.3	1.1	6.9	2.2	23	0.2	1.9	0.5	53	0.28	0.059
1320903	Soil	0.9	11.2	11.4	31	<0.1	9.1	3.6	206	1.29	5.4	0.5	2.5	0.8	13	0.2	0.4	0.2	42	0.13	0.037
1320173	Soil	1.1	22.2	12.2	39	<0.1	8.1	13.8	935	5.27	10.1	0.4	11.9	0.6	32	0.4	1.1	0.2	119	0.52	0.100
1320166	Soil	0.9	27.2	10.2	62	<0.1	26.7	16.5	757	4.08	12.9	1.0	40.1	2.3	68	0.4	0.6	0.2	108	0.48	0.109
1320167	Soil	0.6	20.6	10.4	52	<0.1	23.3	12.1	453	3.08	10.9	0.6	10.7	2.5	24	0.2	0.6	0.1	79	0.26	0.062
1320171	Soil	1.8	117.2	29.4	70	0.2	29.5	16.9	1130	3.60	13.0	1.2	14.4	1.5	131	0.6	0.7	0.2	89	0.59	0.151
1320169	Soil	1.0	52.1	20.8	56	0.2	21.2	17.2	747	4.34	19.4	0.7	399.1	0.9	234	0.3	0.6	4.4	119	0.42	0.135
1320172	Soil	1.5	29.0	18.7	55	<0.1	24.6	17.0	897	3.70	11.2	0.8	7.7	1.8	76	0.4	0.7	0.2	88	0.59	0.131
1320168	Soil	0.9	17.8	8.6	61	<0.1	24.5	10.9	448	2.79	8.5	0.6	4.9	1.9	19	0.1	0.6	0.2	71	0.24	0.040
1320170	Soil	1.5	14.8	9.1	34	0.1	11.9	11.7	733	3.34	8.6	0.4	3.9	0.3	38	0.3	0.4	0.2	77	0.44	0.187
1320158	Soil	2.3	13.8	32.5	51	0.3	10.9	11.8	305	2.50	11.0	0.8	7.5	0.5	99	0.3	0.5	0.9	66	0.23	0.079
1320161	Soil	1.3	17.4	26.9	63	0.2	21.0	15.4	418	3.20	12.8	0.7	7.8	0.9	58	0.3	0.6	0.5	75	0.22	0.089
1320162	Soil	1.0	20.9	15.4	63	0.1	22.7	14.7	658	2.85	12.3	1.1	4.2	1.1	38	0.4	0.6	0.2	67	0.21	0.102
1320163	Soil	1.3	25.9	15.7	53	0.1	20.4	15.9	523	3.92	13.9	0.7	9.1	0.4	103	0.2	0.6	0.1	103	0.21	0.113
1320159	Soil	1.3	20.8	41.7	72	0.3	19.9	17.8	439	3.44	17.9	0.7	7.8	1.2	86	0.4	0.7	0.4	83	0.29	0.093
1320165	Soil	1.0	30.6	18.9	50	0.1	23.7	28.8	592	4.02	36.4	0.7	27.7	0.8	61	0.3	0.9	0.5	92	0.26	0.113
1320164	Soil	1.4	58.0	17.1	52	0.2	26.0	24.9	613	4.58	34.3	0.8	11.7	1.0	106	0.2	0.8	0.6	106	0.36	0.088
1320160	Soil	1.9	29.4	47.3	77	0.2	19.0	32.3	545	3.91	16.6	0.8	16.4	1.6	179	0.4	0.8	2.8	98	0.41	0.110
1320103	Soil	1.4	24.2	12.2	47	0.1	17.8	9.3	229	2.65	4.8	1.1	4.1	2.2	42	0.1	0.3	0.2	81	0.27	0.071
1320106	Soil	1.1	25.1	13.3	52	0.1	21.2	10.6	339	2.91	6.3	1.3	6.0	3.3	71	0.2	0.4	0.2	102	0.46	0.086
1320117	Soil	1.2	19.5	12.1	49	0.2	15.8	15.7	864	2.76	12.9	0.9	12.3	2.2	20	0.2	0.6	0.2	69	0.21	0.048
1320107	Soil	1.1	21.2	9.0	30	0.2	11.2	6.1	193	1.71	2.9	0.7	2.0	0.6	37	0.4	0.2	0.1	49	0.25	0.047
1320102	Soil	1.8	28.0	14.4	50	0.2	20.6	11.3	325	2.86	5.9	1.4	16.8	2.7	65	0.1	0.3	0.4	87	0.36	0.088
1320108	Soil	1.6	17.9	10.6	40	0.2	13.3	8.5	419	2.25	4.4	0.6	2.6	1.2	26	0.3	0.3	0.2	73	0.21	0.041
1320105	Soil	1.4	16.7	10.3	39	<0.1	16.3	8.8	253	2.70	6.0	0.5	7.5	2.2	28	0.3	0.3	0.2	93	0.23	0.041
1320189	Soil	0.7	17.2	9.4	47	0.1	17.9	7.4	241	2.13	7.6	0.6	2.8	0.8	19	0.1	0.4	0.4	49	0.23	0.046
1320188	Soil	0.8	33.2	11.5	44	0.3	18.9	7.6	317	2.06	7.0	0.9	2.5	0.4	15	0.2	0.4	0.4	48	0.17	0.044
1320109	Soil	1.8	34.0	12.0	54	<0.1	26.9	14.2	405	3.41	7.3	1.3	11.7	3.4	40	0.1	0.4	0.2	114	0.31	0.075

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	
1320890	Soil	14	22	0.71	302	0.024	<1	1.73	0.009	0.11	0.2	0.17	6.6	0.5	<0.05	5	<0.5	0.4
1320904	Soil	10	27	0.44	200	0.033	1	1.48	0.008	0.04	0.1	0.05	2.6	0.2	<0.05	6	<0.5	<0.2
1320896	Soil	12	26	0.47	278	0.033	1	1.32	0.011	0.07	0.2	0.09	3.6	0.1	<0.05	5	<0.5	0.3
1320903	Soil	9	17	0.28	194	0.047	<1	0.89	0.008	0.05	0.2	0.05	2.1	<0.1	<0.05	5	<0.5	<0.2
1320173	Soil	14	15	1.20	211	0.032	<1	2.56	0.009	0.15	0.1	0.05	7.5	0.4	<0.05	9	<0.5	<0.2
1320166	Soil	12	42	1.06	292	0.084	1	2.17	0.024	0.07	0.3	0.05	6.5	0.1	<0.05	6	<0.5	<0.2
1320167	Soil	11	34	0.71	185	0.070	1	1.85	0.016	0.05	0.3	0.05	4.3	0.1	<0.05	5	<0.5	<0.2
1320171	Soil	18	39	1.08	241	0.052	2	2.66	0.021	0.06	0.3	0.07	6.5	0.1	<0.05	7	<0.5	<0.2
1320169	Soil	10	49	1.06	353	0.062	<1	2.38	0.020	0.04	0.2	0.07	5.6	0.1	<0.05	8	<0.5	<0.2
1320172	Soil	17	37	1.23	245	0.047	1	2.20	0.016	0.06	0.2	0.05	6.2	0.2	<0.05	6	<0.5	<0.2
1320168	Soil	11	33	0.54	184	0.067	2	1.69	0.010	0.04	0.5	0.05	3.3	<0.1	<0.05	5	<0.5	<0.2
1320170	Soil	8	28	0.75	352	0.014	<1	1.87	0.019	0.05	<0.1	0.08	4.1	0.1	0.12	6	<0.5	<0.2
1320158	Soil	9	21	0.48	169	0.038	<1	1.87	0.020	0.03	0.1	0.10	3.5	0.1	<0.05	6	<0.5	0.7
1320161	Soil	9	30	0.62	221	0.050	1	2.30	0.018	0.04	0.2	0.07	3.3	0.1	0.09	6	0.6	<0.2
1320162	Soil	9	32	0.56	246	0.038	1	2.22	0.012	0.04	0.2	0.04	3.8	0.1	<0.05	5	<0.5	<0.2
1320163	Soil	9	35	0.74	175	0.046	2	2.42	0.019	0.05	0.1	0.06	2.6	0.1	0.10	7	<0.5	<0.2
1320159	Soil	10	27	0.66	223	0.052	1	2.51	0.018	0.05	0.2	0.06	4.0	0.1	0.07	7	<0.5	<0.2
1320165	Soil	12	37	0.96	119	0.045	1	2.13	0.015	0.05	0.2	0.06	4.8	0.1	<0.05	6	<0.5	0.3
1320164	Soil	10	39	0.95	208	0.062	1	2.46	0.031	0.08	0.2	0.04	4.9	0.1	0.16	7	0.6	0.3
1320160	Soil	11	28	0.74	182	0.058	1	2.74	0.026	0.04	0.2	0.06	4.6	0.1	<0.05	7	0.6	<0.2
1320103	Soil	11	29	0.65	172	0.096	1	1.46	0.016	0.09	0.3	0.03	2.8	0.1	<0.05	6	<0.5	<0.2
1320106	Soil	12	40	0.66	225	0.083	1	1.81	0.021	0.10	0.2	0.03	4.0	0.1	<0.05	6	<0.5	<0.2
1320117	Soil	12	27	0.53	224	0.061	2	1.56	0.009	0.08	0.2	0.04	4.9	0.1	<0.05	5	<0.5	<0.2
1320107	Soil	7	20	0.33	131	0.054	<1	0.99	0.019	0.06	0.1	0.03	1.6	<0.1	<0.05	4	<0.5	<0.2
1320102	Soil	12	36	0.70	237	0.085	1	1.77	0.022	0.08	0.3	0.03	3.8	0.1	<0.05	6	<0.5	<0.2
1320108	Soil	10	28	0.35	202	0.076	1	1.13	0.010	0.06	0.2	0.04	2.4	0.1	<0.05	6	<0.5	<0.2
1320105	Soil	8	38	0.51	149	0.089	<1	1.36	0.013	0.07	0.2	0.03	2.3	<0.1	<0.05	6	<0.5	<0.2
1320189	Soil	9	29	0.44	329	0.033	<1	1.44	0.008	0.05	0.2	0.04	2.7	0.1	<0.05	5	<0.5	<0.2
1320188	Soil	12	27	0.37	311	0.032	<1	1.56	0.010	0.06	0.2	0.04	2.4	0.1	<0.05	6	<0.5	<0.2
1320109	Soil	13	56	0.75	208	0.097	1	2.04	0.016	0.09	0.3	0.03	4.0	0.1	<0.05	6	<0.5	<0.2

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1320187	Soil	1.0	32.6	11.6	29	0.4	10.5	3.6	145	1.90	7.0	0.5	1.1	0.3	8	0.2	0.4	0.4	55	0.08	0.034
1320186	Soil	0.9	31.5	10.8	50	0.2	19.4	9.1	330	2.68	11.4	0.8	4.7	1.5	15	0.1	0.6	0.3	58	0.18	0.039
1320185	Soil	0.7	30.6	9.9	44	<0.1	17.6	10.8	390	2.53	11.4	0.7	3.0	2.6	13	0.1	0.6	0.4	48	0.16	0.031
1320182	Soil	0.6	27.1	21.9	47	0.3	17.9	10.4	302	2.34	11.8	0.6	53.2	2.9	17	0.1	0.6	0.4	52	0.21	0.034
1320183	Soil	0.8	33.2	10.0	49	<0.1	20.6	11.7	366	2.81	16.7	0.8	8.8	2.4	15	0.2	0.7	0.4	57	0.22	0.048
1320113	Soil	0.9	22.3	9.0	53	<0.1	23.8	12.0	311	3.27	7.2	0.6	4.2	3.3	21	0.1	0.4	0.1	104	0.20	0.052
1320116	Soil	0.8	16.5	10.4	48	0.2	16.8	7.6	261	2.33	6.6	0.8	4.7	0.8	20	0.2	0.3	0.2	64	0.19	0.043
1320114	Soil	1.4	15.3	10.1	54	<0.1	15.3	9.0	320	3.06	8.1	0.5	1.5	2.1	11	0.3	0.4	0.1	82	0.12	0.041
1320104	Soil	1.9	24.9	17.1	48	0.1	17.3	9.2	245	3.03	5.9	1.1	5.8	3.1	105	0.1	0.3	0.3	89	0.45	0.082
1320184	Soil	1.0	25.4	13.5	49	0.1	17.8	8.4	258	2.91	10.3	0.5	2.5	2.6	10	0.3	0.6	0.2	64	0.12	0.033
1320115	Soil	1.1	13.3	16.2	36	<0.1	13.0	5.8	171	2.14	6.3	0.5	2.5	1.0	16	0.2	0.3	0.1	69	0.14	0.028
1320111	Soil	1.8	24.8	34.8	54	0.2	17.3	10.3	469	3.21	6.1	0.6	1.6	1.4	26	0.3	0.3	0.2	98	0.19	0.058
1320110	Soil	1.4	16.9	13.5	68	0.2	17.9	8.9	332	3.08	6.7	0.4	<0.5	1.3	15	0.4	0.4	0.1	88	0.14	0.045
1320112	Soil	1.7	13.7	15.7	54	0.2	14.1	9.7	430	2.92	6.2	0.4	<0.5	0.9	22	0.3	0.3	0.2	79	0.19	0.042
1320122	Soil	0.6	33.4	8.3	52	<0.1	17.0	17.3	508	4.04	5.1	0.4	0.6	2.2	25	0.1	0.3	<0.1	143	0.18	0.027
1320125	Soil	1.0	16.4	17.5	39	0.2	10.0	8.3	231	2.09	2.9	1.0	5.9	0.7	32	<0.1	0.2	0.3	53	0.21	0.066
1320120	Soil	1.1	40.4	16.7	66	<0.1	27.2	14.0	410	3.68	10.3	0.7	6.4	3.2	18	0.2	0.6	0.3	93	0.20	0.026
1320123	Soil	0.8	38.0	12.2	44	0.7	16.3	10.3	216	3.91	8.6	0.9	7.2	2.1	22	<0.1	0.4	0.5	115	0.24	0.050
1320124	Soil	0.6	22.4	9.1	37	0.2	13.4	6.0	117	1.78	3.3	0.8	<0.5	0.4	27	0.2	0.3	0.2	47	0.21	0.042
1320151	Soil	1.4	438.1	19.8	153	0.2	211.2	75.8	800	15.14	3.0	1.0	31.6	6.3	13	<0.1	0.3	0.1	232	0.27	0.040
1320101	Soil	2.5	23.0	1.9	39	0.3	22.6	10.2	375	2.30	3.9	0.2	0.9	0.7	33	0.2	0.3	<0.1	59	0.72	0.050
1320121	Soil	0.4	45.7	10.4	42	<0.1	11.5	12.5	446	3.49	4.0	0.5	2.4	1.9	153	<0.1	0.4	0.1	103	0.36	0.026
1320175	Soil	2.1	34.2	30.7	74	0.1	35.1	14.0	752	3.30	46.3	1.0	12.3	2.1	25	0.4	1.7	0.3	71	0.30	0.106
1320178	Soil	2.1	34.8	31.8	74	0.1	34.7	13.4	718	3.26	47.1	1.0	14.9	2.1	26	0.4	1.8	0.3	71	0.31	0.107
1320181	Soil	0.7	10.2	12.8	49	0.2	14.1	8.1	378	2.94	8.3	0.4	2.7	1.6	21	0.1	0.6	0.2	92	0.23	0.043
1320177	Soil	2.1	20.2	24.7	56	0.1	21.6	9.3	383	3.08	27.5	0.5	4.8	1.1	30	0.2	1.3	0.3	66	0.39	0.057
1320179	Soil	1.3	26.7	18.7	58	0.1	19.6	10.3	394	3.03	17.1	0.7	9.6	3.1	17	0.2	1.2	0.2	67	0.19	0.046
1320174	Soil	0.4	14.8	11.7	60	0.1	8.6	2.9	705	0.38	2.9	0.1	<0.5	0.2	61	0.7	0.3	<0.1	10	1.46	0.111
1320180	Soil	1.6	15.9	13.7	42	0.2	15.7	8.2	328	3.02	11.8	0.5	1.4	1.3	11	0.1	0.6	0.2	77	0.12	0.049
1320176	Soil	2.1	37.7	24.6	63	0.1	34.4	13.2	770	3.21	46.2	1.1	23.8	1.7	27	0.4	1.7	0.3	72	0.33	0.115

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1320187	Soil	8	20	0.22	135	0.034	<1	1.02	0.007	0.05	0.1	0.02	1.3	0.1	<0.05	6	<0.5	<0.2
1320186	Soil	11	31	0.50	337	0.032	<1	1.70	0.007	0.06	0.2	0.04	3.1	0.1	<0.05	6	<0.5	<0.2
1320185	Soil	11	26	0.47	280	0.037	<1	1.40	0.007	0.06	0.3	0.03	2.5	0.1	<0.05	4	<0.5	<0.2
1320182	Soil	11	26	0.55	156	0.052	<1	1.29	0.009	0.07	0.2	0.04	3.1	0.1	<0.05	4	<0.5	<0.2
1320183	Soil	11	27	0.47	252	0.046	<1	1.44	0.009	0.07	0.4	0.04	3.2	0.1	<0.05	5	<0.5	<0.2
1320113	Soil	12	45	0.60	146	0.115	1	2.10	0.013	0.06	0.3	0.05	3.7	0.1	<0.05	6	<0.5	<0.2
1320116	Soil	9	32	0.53	195	0.052	<1	1.57	0.009	0.05	0.1	0.03	3.4	0.1	<0.05	6	<0.5	<0.2
1320114	Soil	9	33	0.42	143	0.069	<1	2.15	0.007	0.04	0.2	0.04	2.9	0.1	<0.05	7	<0.5	<0.2
1320104	Soil	11	32	0.77	218	0.097	<1	1.87	0.015	0.14	0.5	0.02	3.4	0.2	<0.05	6	<0.5	<0.2
1320184	Soil	9	29	0.42	166	0.036	<1	1.86	0.006	0.06	0.2	0.04	3.0	0.1	<0.05	6	<0.5	<0.2
1320115	Soil	10	25	0.36	133	0.066	<1	1.25	0.008	0.05	0.2	0.03	2.6	<0.1	<0.05	5	<0.5	<0.2
1320111	Soil	9	38	0.50	193	0.088	<1	1.83	0.014	0.06	0.2	0.05	2.7	0.1	<0.05	8	<0.5	<0.2
1320110	Soil	8	39	0.44	175	0.066	<1	2.15	0.009	0.04	0.2	0.04	2.6	0.1	<0.05	7	<0.5	<0.2
1320112	Soil	8	30	0.35	180	0.070	<1	1.57	0.010	0.05	0.2	0.02	2.0	0.1	<0.05	7	<0.5	<0.2
1320122	Soil	6	35	1.19	189	0.175	<1	2.53	0.015	0.30	<0.1	0.01	6.3	0.3	<0.05	8	<0.5	<0.2
1320125	Soil	8	23	0.45	159	0.058	<1	1.38	0.012	0.09	<0.1	0.08	5.4	0.2	<0.05	5	<0.5	<0.2
1320120	Soil	11	51	0.89	219	0.113	1	2.33	0.012	0.15	0.1	0.02	6.5	0.2	<0.05	7	<0.5	<0.2
1320123	Soil	10	33	0.74	227	0.094	<1	2.11	0.013	0.21	0.1	0.06	7.8	0.2	<0.05	8	<0.5	0.2
1320124	Soil	9	25	0.39	182	0.048	<1	1.36	0.013	0.06	<0.1	0.04	2.9	0.1	<0.05	6	<0.5	<0.2
1320151	Soil	15	722	0.13	136	0.166	4	4.05	0.012	0.06	<0.1	0.03	37.7	0.1	<0.05	20	0.7	<0.2
1320101	Soil	3	27	0.68	86	0.099	1	1.36	0.070	0.11	13.1	0.01	4.1	<0.1	<0.05	5	<0.5	<0.2
1320121	Soil	8	29	0.88	296	0.107	<1	2.05	0.026	0.21	<0.1	0.01	9.1	0.2	<0.05	7	<0.5	<0.2
1320175	Soil	13	30	0.59	298	0.037	<1	1.65	0.009	0.08	0.2	0.04	4.5	0.2	<0.05	5	<0.5	<0.2
1320178	Soil	13	30	0.59	294	0.037	<1	1.67	0.009	0.08	0.3	0.05	4.4	0.2	<0.05	5	<0.5	<0.2
1320181	Soil	6	30	0.95	340	0.119	<1	1.81	0.007	0.22	0.2	0.04	4.5	0.2	<0.05	7	<0.5	<0.2
1320177	Soil	9	29	0.45	411	0.030	1	1.36	0.008	0.08	0.2	0.03	2.8	0.2	0.05	5	<0.5	0.2
1320179	Soil	10	32	0.62	248	0.055	<1	1.54	0.010	0.08	0.2	0.02	3.7	0.1	<0.05	5	<0.5	<0.2
1320174	Soil	2	6	0.11	591	0.010	6	0.27	0.009	0.06	<0.1	0.31	0.8	<0.1	0.23	<1	<0.5	<0.2
1320180	Soil	9	31	0.39	140	0.048	<1	2.14	0.008	0.05	0.1	0.06	3.0	0.2	<0.05	7	<0.5	<0.2
1320176	Soil	15	28	0.57	247	0.036	<1	1.49	0.010	0.08	0.2	0.05	4.4	0.2	<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	U	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1320156	Soil		1.8	15.6	11.2	46	<0.1	10.4	6.3	202	2.81	7.0	0.5	16.2	1.7	18	0.3	0.4	1.0	79	0.11	0.035
1320157	Soil		1.8	35.9	11.7	56	0.2	13.2	13.8	357	3.33	12.5	0.8	42.2	3.1	31	0.3	0.6	0.7	75	0.15	0.045
1320118	Soil		0.9	27.4	15.0	55	<0.1	21.2	12.9	300	3.24	11.4	0.8	10.9	2.8	26	0.1	0.6	0.3	83	0.22	0.028
1320119	Soil		1.0	20.1	11.9	38	<0.1	14.8	6.7	165	2.25	10.9	0.6	5.5	1.4	16	0.2	0.6	0.3	57	0.14	0.021
1320154	Soil		1.1	16.4	9.3	23	0.2	7.4	7.8	134	1.78	2.6	0.9	6.8	<0.1	43	0.3	0.3	0.3	19	0.33	0.132
1320155	Soil		2.2	16.1	14.6	26	0.1	7.7	4.2	180	3.55	8.2	0.5	23.2	1.8	17	0.1	0.5	1.2	91	0.08	0.052
1320152	Soil		0.9	24.2	12.3	55	0.3	13.8	9.6	262	3.09	5.6	1.1	6.5	2.2	48	0.1	0.4	0.5	84	0.27	0.053
1320153	Soil		0.7	20.4	12.4	46	0.1	12.8	6.8	148	2.40	4.4	0.6	3.6	2.2	43	<0.1	0.4	0.4	65	0.22	0.046
1321268	Soil		1.0	25.1	14.3	47	<0.1	15.1	8.9	235	2.84	8.5	0.6	10.1	2.5	27	0.1	0.5	0.3	85	0.19	0.033
1321280	Soil		1.3	24.5	12.0	53	<0.1	19.6	10.1	256	2.85	6.9	0.7	7.0	3.5	52	0.2	0.4	0.3	87	0.22	0.047
1321263	Soil		2.0	60.7	12.9	52	0.1	12.6	9.8	281	4.34	6.6	0.7	95.5	2.2	38	0.2	0.3	0.9	138	0.15	0.045
1321283	Soil		2.1	21.3	13.8	44	<0.1	13.7	15.5	542	2.51	8.3	0.6	5.1	1.5	20	0.1	0.5	0.4	60	0.14	0.033
1321255	Soil		2.0	31.1	13.4	52	0.3	17.9	11.2	569	2.47	5.3	1.9	2.0	3.0	33	0.5	0.3	0.2	69	0.24	0.042
1321258	Soil		2.1	17.2	14.7	55	0.2	19.0	11.0	354	3.60	9.4	0.6	4.2	3.5	20	0.3	0.4	0.2	101	0.17	0.058
1321253	Soil		2.3	31.1	44.6	70	0.2	36.5	11.6	313	3.55	5.5	1.5	8.4	3.8	138	0.2	0.3	0.5	94	0.65	0.081
1321252	Soil		1.2	16.7	11.3	45	0.1	10.8	6.9	489	2.22	5.3	0.5	3.5	0.9	19	0.3	0.3	0.2	66	0.14	0.048
1321254	Soil		1.5	17.7	14.1	51	0.1	17.6	8.4	246	2.77	7.2	0.5	1.6	3.1	25	0.5	0.4	0.2	82	0.19	0.044
1321262	Soil		1.4	15.5	13.0	74	0.1	16.8	10.5	386	3.52	7.5	0.4	1.2	2.2	17	0.2	0.5	0.1	100	0.14	0.042
1321259	Soil		1.3	13.6	10.9	30	0.2	6.7	5.4	368	1.59	2.5	0.6	0.9	0.7	15	0.4	0.3	0.1	54	0.08	0.034
1321261	Soil		1.4	17.8	13.3	53	<0.1	18.3	9.9	311	3.24	8.5	0.4	3.4	2.1	25	0.2	0.4	0.1	106	0.18	0.048
1320654	Soil		0.7	48.9	9.6	62	0.2	14.6	12.4	306	3.43	5.7	0.7	7.9	2.8	57	0.2	0.4	0.5	90	0.22	0.044
1320641	Soil		2.4	21.8	12.5	50	0.2	18.6	9.4	301	3.11	8.2	0.8	2.2	3.0	21	0.2	0.4	0.2	88	0.15	0.039
1320659	Soil		1.2	10.2	25.5	82	0.2	9.6	4.6	148	2.41	49.1	0.6	11.0	1.7	126	0.4	1.2	1.2	29	0.15	0.047
1320658	Soil		1.2	13.6	19.0	35	1.1	8.9	3.2	86	1.54	3.6	1.5	5.0	0.1	60	0.3	0.3	0.4	26	0.27	0.114
1320648	Soil		1.3	32.2	94.3	203	0.3	19.4	10.1	270	3.01	7.3	0.8	3.6	3.0	63	0.1	2.7	0.4	92	0.38	0.063
1320656	Soil		1.9	37.4	18.8	57	0.3	15.4	10.4	269	3.36	10.5	0.7	15.1	2.6	31	0.1	0.6	1.7	77	0.21	0.050
1320649	Soil		1.3	30.4	91.7	87	0.2	13.5	11.6	272	3.04	9.7	0.8	4.2	2.4	45	0.2	1.7	0.7	82	0.20	0.045
1320632	Soil		2.0	33.2	17.4	52	0.2	17.2	12.1	478	2.91	5.9	1.7	5.3	1.8	73	0.3	0.3	0.2	98	0.36	0.095
1320653	Soil		1.5	72.4	7.6	59	<0.1	14.3	14.1	363	3.79	6.3	0.5	3.2	2.0	25	0.1	0.4	0.5	88	0.15	0.036
1320639	Soil		1.9	20.5	13.0	51	<0.1	19.6	9.3	255	2.82	7.0	0.7	2.0	4.2	55	<0.1	0.4	0.1	92	0.27	0.049



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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1320156	Soil	9	21	0.46	109	0.072	1	1.56	0.009	0.06	0.2	0.04	4.1	<0.1	<0.05	6	<0.5	<0.2
1320157	Soil	8	23	0.73	181	0.086	1	2.04	0.010	0.20	0.1	0.03	5.9	0.2	<0.05	7	0.8	0.2
1320118	Soil	12	34	0.69	236	0.092	1	1.94	0.013	0.09	0.1	0.02	6.4	0.2	<0.05	6	<0.5	<0.2
1320119	Soil	10	23	0.39	160	0.060	2	1.41	0.009	0.07	0.1	0.03	3.2	0.1	<0.05	5	<0.5	<0.2
1320154	Soil	7	9	0.18	325	0.010	2	0.67	0.011	0.06	<0.1	0.10	2.1	<0.1	<0.05	1	<0.5	<0.2
1320155	Soil	8	20	0.31	114	0.053	2	1.69	0.008	0.06	0.1	0.07	3.6	<0.1	<0.05	7	<0.5	0.3
1320152	Soil	10	32	0.68	248	0.104	<1	2.17	0.015	0.11	<0.1	0.05	6.4	0.2	<0.05	8	<0.5	<0.2
1320153	Soil	9	27	0.58	202	0.090	<1	1.76	0.013	0.12	0.1	0.04	4.2	0.1	<0.05	6	<0.5	<0.2
1321268	Soil	11	32	0.62	156	0.113	2	1.87	0.014	0.11	0.2	0.02	4.1	0.1	<0.05	7	<0.5	<0.2
1321280	Soil	11	37	0.65	217	0.134	2	2.18	0.014	0.08	0.2	0.03	4.0	0.1	<0.05	7	<0.5	<0.2
1321263	Soil	7	23	0.85	213	0.149	<1	2.22	0.018	0.32	0.1	0.02	10.0	0.3	<0.05	8	<0.5	0.3
1321283	Soil	9	23	0.45	133	0.055	<1	1.58	0.010	0.07	0.1	0.03	3.1	0.1	<0.05	6	<0.5	<0.2
1321255	Soil	19	30	0.49	263	0.086	2	1.88	0.018	0.05	0.1	0.03	3.8	<0.1	<0.05	6	<0.5	<0.2
1321258	Soil	11	37	0.48	200	0.109	1	2.19	0.011	0.06	0.3	0.04	2.9	<0.1	<0.05	9	<0.5	<0.2
1321253	Soil	11	67	1.09	182	0.119	1	2.23	0.024	0.18	0.2	0.02	3.1	0.2	<0.05	7	<0.5	<0.2
1321252	Soil	8	23	0.31	97	0.071	2	1.31	0.015	0.06	0.1	0.04	1.6	<0.1	<0.05	6	<0.5	<0.2
1321254	Soil	10	30	0.46	177	0.106	1	1.89	0.013	0.06	0.2	0.02	2.7	<0.1	<0.05	7	<0.5	<0.2
1321262	Soil	7	38	0.51	183	0.129	1	2.62	0.012	0.03	0.1	0.04	2.8	0.1	<0.05	9	<0.5	<0.2
1321259	Soil	7	16	0.18	110	0.076	<1	0.74	0.018	0.04	0.1	0.03	1.2	<0.1	<0.05	5	<0.5	<0.2
1321261	Soil	7	41	0.66	189	0.135	2	1.71	0.013	0.07	0.2	0.02	2.7	<0.1	<0.05	8	<0.5	<0.2
1320654	Soil	9	26	0.85	221	0.173	<1	1.99	0.012	0.48	0.1	0.03	7.0	0.3	<0.05	8	0.6	<0.2
1320641	Soil	11	35	0.54	148	0.103	1	1.99	0.012	0.06	0.2	0.04	3.2	<0.1	<0.05	8	<0.5	<0.2
1320659	Soil	6	16	0.24	459	0.018	<1	1.02	0.018	0.09	0.2	0.06	1.6	<0.1	<0.05	3	<0.5	<0.2
1320658	Soil	10	15	0.16	330	0.013	2	1.05	0.018	0.07	<0.1	0.17	1.5	<0.1	0.09	3	0.7	<0.2
1320648	Soil	13	39	0.82	224	0.122	1	2.45	0.021	0.09	0.1	0.03	4.9	0.1	<0.05	8	<0.5	<0.2
1320656	Soil	9	30	0.66	223	0.094	<1	1.99	0.014	0.17	0.1	0.03	5.6	0.2	<0.05	6	0.7	0.5
1320649	Soil	12	33	0.69	220	0.076	<1	2.02	0.013	0.13	<0.1	0.05	5.8	0.1	<0.05	7	<0.5	<0.2
1320632	Soil	14	38	0.58	220	0.079	2	2.07	0.016	0.12	0.2	0.03	3.1	<0.1	<0.05	6	<0.5	<0.2
1320653	Soil	6	22	0.79	258	0.197	1	2.62	0.014	0.47	0.2	0.03	3.7	0.3	<0.05	6	<0.5	<0.2
1320639	Soil	11	31	0.71	187	0.147	<1	1.80	0.016	0.08	0.3	0.02	2.9	<0.1	<0.05	6	<0.5	<0.2

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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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	U	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1320644	Soil		1.1	25.3	12.2	55	0.1	19.2	10.8	393	2.82	7.5	0.9	3.4	1.9	31	0.1	0.4	0.2	83	0.23	0.059
1320642	Soil		2.3	12.8	13.6	34	<0.1	12.2	5.6	177	2.60	6.1	0.4	4.6	2.5	26	0.2	0.5	0.2	91	0.12	0.030
1320635	Soil		1.7	24.2	18.8	42	0.3	16.5	10.0	353	2.32	5.7	0.9	6.5	2.5	42	0.2	0.3	0.2	69	0.25	0.075
1320652	Soil		1.4	43.8	15.6	48	0.2	17.1	10.3	177	2.73	9.3	1.5	6.8	3.5	70	<0.1	0.8	0.6	58	0.22	0.041
1320634	Soil		1.3	27.3	20.8	56	0.3	19.9	15.3	417	2.88	6.8	1.1	2.8	3.8	51	0.4	0.4	0.3	83	0.29	0.065
1320637	Soil		1.0	21.7	21.5	58	0.1	17.7	12.8	322	3.31	4.6	0.5	5.8	4.1	78	0.2	0.4	0.2	115	0.32	0.053
1320657	Soil		2.3	22.3	33.8	47	0.4	10.4	7.8	277	3.39	7.1	0.7	142.2	3.3	32	<0.1	0.7	2.7	68	0.16	0.039
1320655	Soil		0.6	27.8	8.7	40	0.2	13.4	6.8	148	2.65	6.7	0.7	12.7	2.3	29	0.1	0.4	1.0	67	0.16	0.043
1320651	Soil		2.2	23.4	2.1	39	0.3	21.4	9.4	366	2.21	4.8	0.2	1.5	0.8	33	0.1	0.3	<0.1	55	0.72	0.056
1320646	Soil		1.0	25.4	12.1	51	<0.1	17.0	10.3	307	2.93	9.2	0.7	18.2	3.1	29	0.1	0.5	0.2	80	0.23	0.035
1320633	Soil		2.2	18.6	21.7	47	0.2	15.8	8.8	317	3.21	6.5	0.5	7.3	2.4	45	0.2	0.3	0.3	89	0.24	0.060
1320638	Soil		2.0	20.8	10.4	43	0.1	13.5	10.6	764	2.34	5.0	1.0	3.2	2.9	24	0.2	0.3	0.1	68	0.19	0.049
1320650	Soil		0.4	72.8	14.5	79	0.1	18.8	23.2	385	5.28	5.9	1.3	18.9	3.8	27	0.3	0.3	0.5	136	0.47	0.031
1320631	Soil		1.7	28.6	16.0	47	0.2	16.3	8.2	238	2.67	6.1	1.4	8.4	2.7	52	0.2	0.3	0.2	78	0.33	0.069
1320640	Soil		2.0	17.6	11.8	53	<0.1	20.5	9.0	261	2.98	8.2	0.6	3.3	3.5	20	0.2	0.4	0.2	85	0.15	0.035
1320647	Soil		0.9	14.1	10.1	43	<0.1	15.2	6.3	161	2.46	6.7	0.5	3.9	2.0	28	<0.1	0.3	0.1	71	0.19	0.034
1299899	Soil		1.4	22.0	17.1	52	0.2	16.6	10.6	329	2.68	5.9	0.8	6.0	3.0	47	0.2	0.3	0.2	84	0.33	0.084
1321260	Soil		1.8	33.8	13.6	58	0.1	23.9	13.5	532	3.12	8.1	1.5	4.4	3.5	59	0.2	0.4	0.2	82	0.42	0.084
1320643	Soil		1.9	20.8	11.1	57	<0.1	20.1	13.7	432	3.29	7.9	0.6	3.7	3.5	25	0.1	0.4	0.2	93	0.24	0.066
1320645	Soil		1.1	25.8	11.9	51	0.2	16.4	11.1	819	2.73	6.6	1.4	5.4	1.8	52	0.2	0.3	0.2	79	0.33	0.051
1320636	Soil		1.2	26.6	14.6	55	0.1	21.2	9.8	290	2.95	6.7	1.3	5.5	3.9	43	<0.1	0.3	0.2	94	0.35	0.076
1321277	Soil		1.7	26.6	11.9	37	0.2	6.8	7.1	157	4.48	5.5	0.7	103.6	2.0	42	<0.1	0.3	1.6	125	0.17	0.055
1321282	Soil		1.1	7.0	19.5	55	0.2	11.5	5.8	168	1.77	6.2	0.5	21.0	1.5	24	0.2	0.4	0.4	43	0.16	0.042
1321278	Soil		3.8	73.0	13.9	66	0.2	8.8	12.9	443	5.01	6.7	0.9	26.0	3.6	81	0.1	0.3	0.7	159	0.20	0.061
1299900	Soil		1.8	27.4	16.7	46	0.2	17.4	10.7	354	2.81	6.1	1.4	9.6	2.9	56	0.1	0.2	0.3	86	0.31	0.074
1321281	Soil		1.2	11.0	24.9	62	0.4	15.2	6.7	233	2.55	9.7	0.7	5.0	1.9	37	<0.1	0.5	0.6	57	0.18	0.047
1321256	Soil		2.1	15.7	12.2	45	0.2	10.3	7.7	510	2.40	4.6	0.5	1.6	0.7	31	0.5	0.3	0.2	73	0.23	0.061
1321265	Soil		0.8	21.8	11.5	51	0.2	15.4	8.0	328	2.64	7.0	0.9	4.3	2.1	28	0.2	0.3	0.2	79	0.22	0.038
1321266	Soil		1.1	19.8	13.4	55	0.1	15.2	9.2	307	2.96	11.8	0.6	6.5	1.9	18	0.2	0.6	0.3	80	0.19	0.034
1321276	Soil		2.1	15.5	15.5	42	0.3	9.5	5.6	119	3.23	7.0	0.6	56.7	2.8	22	0.1	0.5	1.4	77	0.18	0.044



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
1320644	Soil	11	34	0.61	234	0.086	1	2.08	0.016	0.07	0.2	0.02	4.2	0.1	<0.05	6	<0.5	<0.2
1320642	Soil	8	29	0.32	130	0.105	<1	1.50	0.011	0.04	0.2	0.02	1.9	<0.1	<0.05	8	<0.5	<0.2
1320635	Soil	9	27	0.46	173	0.085	1	1.53	0.014	0.08	0.2	0.04	2.3	<0.1	<0.05	6	<0.5	<0.2
1320652	Soil	13	28	0.70	270	0.076	<1	2.51	0.015	0.16	<0.1	0.02	5.3	0.2	<0.05	6	0.9	<0.2
1320634	Soil	11	35	0.62	204	0.105	<1	2.00	0.016	0.07	0.2	0.02	3.3	0.1	<0.05	7	<0.5	<0.2
1320637	Soil	11	32	0.80	117	0.136	<1	1.89	0.022	0.11	0.2	0.01	2.5	<0.1	<0.05	6	<0.5	<0.2
1320657	Soil	9	20	0.62	226	0.088	2	1.67	0.012	0.25	0.1	0.04	6.2	0.2	<0.05	6	1.1	1.0
1320655	Soil	9	28	0.64	173	0.082	1	1.66	0.011	0.13	0.2	0.04	5.8	0.2	<0.05	6	<0.5	0.4
1320651	Soil	3	27	0.71	85	0.094	2	1.31	0.073	0.11	13.1	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
1320646	Soil	10	34	0.63	183	0.089	<1	1.73	0.012	0.07	0.1	0.02	4.5	0.1	<0.05	6	<0.5	<0.2
1320633	Soil	7	31	0.55	161	0.086	<1	1.73	0.012	0.06	0.3	0.01	2.5	0.1	<0.05	8	<0.5	<0.2
1320638	Soil	12	24	0.45	186	0.090	1	1.64	0.017	0.06	0.2	0.02	3.1	0.1	0.05	6	<0.5	<0.2
1320650	Soil	12	23	1.68	246	0.143	1	2.37	0.022	0.41	<0.1	0.01	12.6	0.3	<0.05	5	<0.5	0.3
1320631	Soil	12	28	0.58	195	0.081	1	1.90	0.017	0.07	0.3	0.03	3.2	0.1	<0.05	6	<0.5	<0.2
1320640	Soil	9	34	0.58	145	0.094	2	2.06	0.010	0.05	0.2	0.02	3.0	0.1	<0.05	7	<0.5	<0.2
1320647	Soil	9	28	0.57	115	0.079	2	1.80	0.013	0.05	0.1	0.02	3.1	0.1	<0.05	7	<0.5	<0.2
1299899	Soil	10	32	0.63	155	0.090	1	1.55	0.015	0.10	0.2	0.03	2.5	<0.1	<0.05	5	<0.5	<0.2
1321260	Soil	14	37	0.75	339	0.095	2	2.28	0.024	0.08	0.2	0.04	4.9	0.1	<0.05	7	<0.5	<0.2
1320643	Soil	10	36	0.70	234	0.143	1	2.35	0.015	0.08	0.2	0.02	3.3	0.1	<0.05	7	<0.5	<0.2
1320645	Soil	13	32	0.64	292	0.072	1	1.92	0.018	0.06	0.1	0.04	6.5	0.1	<0.05	6	<0.5	<0.2
1320636	Soil	13	37	0.65	210	0.098	1	1.61	0.016	0.09	0.2	0.02	3.4	0.1	<0.05	6	<0.5	<0.2
1321277	Soil	8	17	0.84	201	0.088	<1	1.81	0.029	0.15	<0.1	0.03	8.6	0.2	0.17	7	0.8	0.8
1321282	Soil	8	22	0.36	234	0.039	<1	1.15	0.010	0.05	0.2	0.06	2.3	<0.1	<0.05	5	<0.5	<0.2
1321278	Soil	7	28	1.26	484	0.226	<1	2.36	0.028	0.65	0.2	0.02	13.8	0.5	0.28	8	1.5	0.5
1299900	Soil	12	32	0.60	198	0.084	1	1.70	0.019	0.08	0.4	0.02	3.3	0.1	<0.05	6	<0.5	<0.2
1321281	Soil	9	29	0.45	191	0.040	1	1.74	0.010	0.07	0.2	0.07	3.1	0.1	<0.05	6	<0.5	<0.2
1321256	Soil	7	21	0.31	252	0.069	<1	1.21	0.014	0.06	0.1	0.05	1.8	0.1	<0.05	7	<0.5	<0.2
1321265	Soil	10	29	0.60	217	0.074	1	1.57	0.012	0.06	0.2	0.03	4.9	0.1	<0.05	6	<0.5	<0.2
1321266	Soil	8	26	0.63	153	0.072	<1	1.62	0.011	0.09	0.2	0.03	4.8	0.2	<0.05	6	<0.5	<0.2
1321276	Soil	8	20	0.62	209	0.042	<1	1.76	0.011	0.08	0.1	0.03	6.7	0.1	0.05	6	0.6	0.6

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1321273	Soil	1.2	14.8	13.9	38	0.2	10.7	4.9	100	3.06	5.0	0.8	33.5	1.5	21	0.1	0.3	1.5	78	0.15	0.052
1321279	Soil	1.8	44.3	13.2	44	0.4	11.9	7.7	156	2.68	6.1	1.2	21.7	1.2	30	0.2	0.3	0.9	65	0.23	0.074
1321271	Soil	1.1	26.7	10.6	48	<0.1	18.9	14.1	395	3.62	7.3	0.9	5.9	3.4	53	<0.1	0.4	0.3	88	0.33	0.080
1321257	Soil	2.0	26.4	19.0	38	0.2	16.3	12.5	415	2.84	7.0	1.0	0.9	1.9	21	0.4	0.3	0.2	71	0.18	0.059
1321272	Soil	1.6	21.7	12.8	44	0.2	15.8	9.3	191	3.90	5.6	0.8	17.2	2.5	74	<0.1	0.4	0.4	98	0.38	0.088
1321264	Soil	1.1	20.1	11.0	48	0.1	17.3	7.7	230	2.53	7.5	0.9	4.3	1.2	22	<0.1	0.3	0.2	69	0.18	0.048
1321267	Soil	1.3	22.4	12.8	51	<0.1	18.8	9.4	246	3.03	15.6	0.6	5.5	3.9	17	0.1	0.7	0.3	66	0.14	0.030
1321269	Soil	1.1	25.5	13.1	49	<0.1	14.2	10.0	277	3.90	8.1	0.5	1.3	2.5	48	0.1	0.4	0.2	116	0.32	0.056
1321270	Soil	0.6	26.7	9.7	45	<0.1	15.2	11.3	273	3.23	5.0	0.5	1.7	2.7	128	0.1	0.3	0.2	104	0.48	0.083
1321251	Soil	2.4	22.6	1.9	39	0.3	20.8	9.3	340	2.14	4.2	0.2	<0.5	0.7	32	0.2	0.3	<0.1	53	0.69	0.056
1320666	Soil	2.2	37.1	27.4	59	<0.1	25.0	26.3	726	4.33	38.7	1.0	13.3	2.8	223	0.3	1.8	0.5	95	0.60	0.135
1320688	Soil	0.8	22.1	12.1	52	0.1	18.4	8.7	313	2.43	9.4	0.6	4.6	2.3	13	0.1	0.6	0.4	55	0.18	0.034
1320681	Soil	1.6	22.2	13.9	52	<0.1	20.7	8.8	376	2.85	25.7	0.7	4.8	1.7	21	0.2	1.2	0.3	66	0.26	0.051
1320690	Soil	0.9	22.9	12.0	51	0.2	16.5	6.8	264	2.28	10.1	0.7	1.4	0.7	19	0.2	0.6	0.5	52	0.25	0.048
1320665	Soil	1.5	84.7	25.1	46	0.3	18.4	26.1	456	4.06	31.1	0.7	49.4	0.6	215	0.2	0.9	0.5	98	0.69	0.127
1320667	Soil	6.8	672.9	24.3	61	0.7	15.2	67.6	705	14.24	396.5	3.5	534.2	1.9	233	0.2	5.4	21.9	146	0.45	0.193
1320680	Soil	1.1	28.3	9.2	57	0.1	24.3	10.5	470	2.88	16.3	1.0	2.3	3.2	21	0.2	1.0	0.4	79	0.36	0.069
1320664	Soil	1.4	29.5	27.8	44	0.3	6.9	23.3	598	4.41	15.5	0.2	12.4	0.8	229	<0.1	0.5	0.4	103	1.12	0.088
1320661	Soil	1.6	17.7	50.3	71	0.4	14.8	23.7	541	4.51	14.5	0.6	12.4	1.7	261	0.3	1.1	1.3	119	0.89	0.119
1320678	Soil	2.0	30.3	15.7	38	<0.1	15.9	6.9	634	2.64	20.1	0.8	4.4	0.5	19	0.4	1.0	0.3	64	0.15	0.069
1320689	Soil	0.8	20.3	14.7	54	0.1	18.3	8.6	328	2.54	11.2	0.6	3.0	1.2	15	0.2	0.6	0.6	60	0.18	0.037
1320687	Soil	0.7	21.4	11.9	52	<0.1	21.0	9.7	380	2.49	10.4	0.6	4.2	2.4	15	0.1	0.6	0.3	55	0.21	0.047
1320677	Soil	2.0	29.2	13.8	40	<0.1	21.6	8.1	411	2.68	126.8	0.9	7.7	1.2	25	0.1	2.3	0.2	46	0.23	0.103
1320671	Soil	0.6	27.3	10.7	49	<0.1	19.8	15.5	634	4.62	11.0	0.7	15.9	1.3	110	0.1	0.5	0.2	119	0.63	0.128
1320670	Soil	0.7	27.6	17.6	45	<0.1	16.2	17.5	649	4.88	13.4	0.5	35.0	1.4	166	0.3	0.4	1.1	126	0.71	0.123
1320668	Soil	1.8	219.9	22.1	53	0.4	18.5	78.4	839	4.39	80.7	0.5	72.6	1.7	414	0.5	0.7	1.4	114	1.01	0.171
1320672	Soil	1.0	17.9	23.4	50	0.2	16.3	9.1	425	2.82	9.0	0.4	8.1	0.4	45	0.4	0.5	0.2	79	0.53	0.122
1320663	Soil	1.7	36.7	40.6	64	0.4	17.4	26.8	524	4.30	21.3	0.8	8.3	0.6	205	0.6	0.7	0.4	98	0.49	0.126
1320679	Soil	2.8	39.0	12.8	70	0.2	16.0	7.2	312	3.52	79.1	1.4	3.1	5.5	37	0.2	2.7	0.3	43	0.23	0.080
1320660	Soil	1.1	18.3	36.9	74	0.2	16.9	17.9	440	4.40	18.0	0.7	11.0	2.5	176	0.4	0.8	1.3	118	0.65	0.135

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1321273	Soil	9	26	0.59	184	0.040	<1	1.73	0.011	0.07	0.1	0.04	6.6	0.2	0.05	7	0.6	0.6
1321279	Soil	9	23	0.55	191	0.058	<1	1.68	0.016	0.10	0.2	0.05	6.4	0.2	0.09	5	<0.5	0.4
1321271	Soil	12	35	0.75	257	0.082	<1	2.14	0.016	0.09	0.2	0.02	5.7	0.1	<0.05	6	<0.5	<0.2
1321257	Soil	9	28	0.43	193	0.066	<1	2.05	0.010	0.07	0.2	0.04	3.0	0.1	<0.05	7	<0.5	<0.2
1321272	Soil	11	36	0.96	254	0.098	<1	2.35	0.017	0.14	<0.1	0.02	7.2	0.2	<0.05	7	<0.5	<0.2
1321264	Soil	10	28	0.52	204	0.054	<1	1.59	0.011	0.05	0.1	0.03	3.8	0.1	<0.05	6	0.6	<0.2
1321267	Soil	10	31	0.54	166	0.058	2	2.00	0.009	0.09	0.2	0.03	4.5	0.2	<0.05	6	<0.5	<0.2
1321269	Soil	7	36	0.89	193	0.146	1	2.22	0.026	0.13	0.2	0.02	3.9	0.1	<0.05	10	<0.5	<0.2
1321270	Soil	11	33	0.83	244	0.119	<1	2.32	0.032	0.20	0.1	<0.01	4.4	0.2	<0.05	8	<0.5	<0.2
1321251	Soil	3	27	0.71	87	0.092	2	1.34	0.074	0.11	12.4	<0.01	4.0	<0.1	<0.05	5	<0.5	<0.2
1320666	Soil	14	40	0.89	207	0.054	<1	2.36	0.032	0.05	0.3	0.22	8.4	0.2	0.09	6	0.5	0.3
1320688	Soil	12	29	0.56	206	0.052	<1	1.55	0.008	0.07	0.2	0.02	3.3	0.1	<0.05	5	<0.5	<0.2
1320681	Soil	11	29	0.51	328	0.045	1	1.35	0.009	0.07	0.3	0.04	3.0	0.1	<0.05	5	<0.5	<0.2
1320690	Soil	9	27	0.46	228	0.038	2	1.49	0.010	0.07	0.2	0.05	2.4	0.1	<0.05	6	<0.5	<0.2
1320665	Soil	8	34	1.02	226	0.050	2	2.37	0.027	0.06	0.2	0.09	5.2	0.1	0.06	7	0.9	0.5
1320667	Soil	29	34	1.09	191	0.016	1	2.21	0.116	0.18	20.2	0.57	16.8	0.4	0.62	8	3.5	8.9
1320680	Soil	14	55	1.02	435	0.076	1	1.85	0.010	0.25	0.2	0.02	6.4	0.2	<0.05	6	<0.5	<0.2
1320664	Soil	9	23	1.22	117	0.007	<1	2.34	0.018	0.03	0.1	0.04	6.6	<0.1	<0.05	8	<0.5	0.3
1320661	Soil	10	40	1.09	225	0.053	1	2.73	0.035	0.09	0.2	0.04	5.3	0.1	<0.05	8	<0.5	0.2
1320678	Soil	11	23	0.37	398	0.021	2	1.58	0.009	0.06	0.2	0.05	2.2	0.2	<0.05	6	<0.5	<0.2
1320689	Soil	10	30	0.51	208	0.043	1	1.66	0.007	0.06	0.1	0.03	2.9	0.1	<0.05	6	<0.5	<0.2
1320687	Soil	10	29	0.51	179	0.052	<1	1.48	0.008	0.06	0.2	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
1320677	Soil	10	18	0.32	231	0.016	<1	0.92	0.010	0.07	0.2	0.14	2.0	0.1	0.07	3	<0.5	<0.2
1320671	Soil	12	49	1.46	217	0.056	1	2.53	0.013	0.04	0.2	0.05	7.4	<0.1	<0.05	8	<0.5	<0.2
1320670	Soil	11	44	1.50	234	0.042	<1	2.45	0.015	0.04	0.1	0.03	8.7	<0.1	<0.05	8	<0.5	<0.2
1320668	Soil	10	42	1.41	180	0.049	<1	2.42	0.025	0.10	0.2	0.02	9.1	0.1	<0.05	8	0.5	0.6
1320672	Soil	12	34	0.79	208	0.028	1	1.69	0.011	0.04	0.3	0.06	3.2	0.1	0.06	6	<0.5	<0.2
1320663	Soil	8	30	0.78	191	0.050	2	2.34	0.036	0.06	0.2	0.11	3.9	<0.1	0.14	7	0.8	0.4
1320679	Soil	18	18	0.49	375	0.020	<1	1.18	0.026	0.19	0.2	0.02	3.0	0.1	0.39	4	1.1	<0.2
1320660	Soil	11	38	0.84	209	0.064	<1	1.90	0.033	0.04	0.5	0.05	4.2	<0.1	<0.05	6	<0.5	0.4



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
1320662	Soil	1.7	17.1	22.8	49	0.3	16.0	11.8	232	3.10	14.4	0.6	5.8	0.9	47	0.3	0.5	0.2	69	0.23	0.071	
1320686	Soil	0.9	28.6	14.2	53	0.2	17.9	9.6	416	2.52	12.3	0.7	2.5	1.0	14	0.3	0.6	0.3	57	0.17	0.038	
1320684	Soil	0.8	17.0	8.0	31	0.2	7.2	4.7	274	1.76	7.7	0.6	2.0	0.1	9	<0.1	0.3	0.2	41	0.10	0.052	
1320674	Soil	0.9	64.2	23.7	43	0.2	13.3	22.7	2066	3.53	8.7	0.6	17.7	1.4	86	0.2	2.3	0.3	100	0.68	0.096	
1320860	Soil	1.4	33.1	14.0	57	<0.1	16.8	12.4	472	3.77	11.1	0.4	4.1	2.5	21	0.1	0.5	0.4	100	0.16	0.035	
1320858	Soil	1.2	25.3	13.9	53	0.2	13.7	21.5	1479	3.00	4.7	0.4	1.5	1.2	79	0.3	0.3	0.2	92	0.39	0.066	
1320859	Soil	1.0	24.0	20.6	49	0.2	12.5	9.3	395	2.75	5.9	0.6	11.9	1.8	72	0.2	0.4	0.3	90	0.35	0.053	
1320862	Soil	1.2	58.1	14.8	51	<0.1	15.9	9.2	275	3.79	8.7	0.6	0.9	2.7	43	0.1	0.5	0.3	112	0.18	0.024	
1320844	Soil	1.4	29.7	13.3	40	0.2	18.8	9.0	227	2.55	4.3	1.4	2.0	2.4	45	0.2	0.2	0.2	78	0.34	0.068	
1320847	Soil	1.4	27.6	12.3	51	<0.1	26.5	12.3	285	3.49	10.8	1.0	2.9	4.9	18	0.2	0.5	0.1	93	0.13	0.025	
1320675	Soil	1.7	39.9	18.0	55	<0.1	23.6	12.1	706	3.64	30.4	1.1	8.1	2.0	45	0.3	2.6	0.1	75	0.40	0.130	
1320843	Soil	1.2	28.5	15.1	49	0.1	19.2	10.5	246	2.95	5.0	1.2	5.5	4.0	60	0.1	0.3	0.2	88	0.37	0.070	
1320855	Soil	2.9	29.6	10.3	48	0.1	21.3	10.1	273	2.93	5.6	2.3	7.4	3.4	66	0.1	0.3	0.1	100	0.55	0.075	
1320848	Soil	2.2	12.2	12.0	44	0.3	14.2	7.3	249	2.92	6.9	0.4	1.1	1.6	19	0.2	0.3	0.1	87	0.13	0.034	
1320850	Soil	1.5	21.5	12.5	62	<0.1	18.5	11.9	719	3.13	6.2	0.6	4.1	2.5	49	0.2	0.3	0.1	92	0.39	0.089	
1320685	Soil	0.8	27.9	9.5	49	0.1	19.0	8.2	339	2.36	11.4	0.6	3.3	2.3	17	0.1	0.7	0.4	53	0.26	0.059	
1320861	Soil	0.5	25.5	8.3	21	<0.1	7.4	4.8	102	1.86	4.1	0.4	1.9	0.1	16	0.2	0.2	0.2	55	0.13	0.034	
1320842	Soil	1.3	28.2	15.0	53	0.2	18.6	10.9	355	3.03	5.8	1.2	4.1	3.0	70	0.2	0.3	0.3	94	0.45	0.089	
1320669	Soil	1.9	34.6	28.0	61	<0.1	23.9	14.4	829	3.30	18.2	1.0	16.0	1.8	289	0.3	0.7	0.5	75	0.46	0.121	
1320673	Soil	2.2	71.2	33.8	55	<0.1	22.1	12.2	645	3.01	11.3	0.9	12.7	0.7	101	0.2	0.6	0.2	77	0.40	0.095	
1320683	Soil	1.0	25.1	12.9	54	0.2	17.8	8.4	403	2.63	14.2	0.9	7.9	2.3	17	0.2	0.8	0.8	54	0.20	0.051	
1320676	Soil	1.1	21.9	15.7	55	0.1	18.0	9.1	413	2.76	12.1	0.8	6.2	1.6	19	0.2	0.7	0.8	56	0.19	0.038	
1320682	Soil	1.4	26.4	14.0	57	0.2	20.7	9.3	404	2.95	19.2	1.0	3.3	2.3	20	0.2	1.1	0.7	59	0.19	0.058	
1320852	Soil	1.3	14.4	13.1	49	0.1	15.8	9.0	396	2.97	5.4	0.5	1.0	2.2	34	0.4	0.3	0.2	77	0.22	0.079	
1320863	Soil	0.9	74.4	15.0	57	<0.1	11.7	9.7	305	3.92	9.6	0.4	25.6	2.3	11	0.3	0.5	0.3	109	0.11	0.024	
1320866	Soil	0.9	49.1	8.5	58	<0.1	12.6	12.7	409	4.22	9.0	0.5	6.1	2.7	26	0.1	0.4	0.5	97	0.15	0.040	
1320868	Soil	1.5	36.4	15.7	64	0.3	10.7	10.3	360	4.24	7.0	0.9	13.3	2.6	43	0.1	0.5	0.9	99	0.14	0.045	
1320871	Soil	1.4	14.1	16.8	52	0.1	12.4	5.6	318	2.81	10.1	0.4	4.1	1.8	13	0.2	0.6	0.4	62	0.08	0.052	
1320845	Soil	1.8	31.2	19.7	54	0.1	20.0	9.2	268	3.07	6.5	1.9	6.5	4.1	50	0.3	0.4	0.3	79	0.28	0.054	
1320846	Soil	1.2	24.6	12.6	45	0.1	18.2	10.0	324	3.09	4.8	1.1	1.5	3.6	77	0.1	0.3	0.3	93	0.47	0.094	

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
1320662	Soil	7	27	0.45	131	0.049	1	2.24	0.011	0.03	0.2	0.10	2.9	0.1	0.06	6	0.7	<0.2
1320686	Soil	11	29	0.51	189	0.038	<1	1.56	0.007	0.06	0.2	0.03	2.7	0.1	<0.05	6	<0.5	<0.2
1320684	Soil	7	15	0.25	108	0.028	<1	1.01	0.017	0.03	<0.1	0.03	1.1	0.1	<0.05	5	<0.5	<0.2
1320674	Soil	15	31	1.27	509	0.059	1	2.46	0.016	0.10	0.5	0.05	6.7	0.2	<0.05	8	<0.5	<0.2
1320860	Soil	8	32	0.67	150	0.113	<1	2.22	0.008	0.12	0.1	0.01	4.8	0.2	<0.05	9	<0.5	<0.2
1320858	Soil	7	26	0.58	193	0.091	<1	1.97	0.016	0.11	0.1	0.02	3.8	0.1	<0.05	7	<0.5	<0.2
1320859	Soil	8	25	0.59	153	0.098	<1	1.66	0.013	0.12	0.1	0.03	4.2	0.1	<0.05	7	<0.5	<0.2
1320862	Soil	7	29	0.78	152	0.135	1	2.19	0.012	0.17	0.1	0.01	6.2	0.3	<0.05	9	<0.5	<0.2
1320844	Soil	13	34	0.59	174	0.088	<1	1.55	0.012	0.09	0.2	0.03	2.8	0.1	<0.05	6	<0.5	<0.2
1320847	Soil	12	44	0.69	119	0.117	<1	2.57	0.014	0.06	0.2	0.04	5.1	0.1	<0.05	7	<0.5	<0.2
1320675	Soil	14	27	0.79	317	0.037	1	1.56	0.012	0.08	0.3	0.04	5.0	0.2	<0.05	5	<0.5	<0.2
1320843	Soil	14	36	0.72	195	0.103	<1	1.89	0.023	0.07	0.2	0.03	3.7	0.1	<0.05	7	<0.5	<0.2
1320855	Soil	13	41	0.69	220	0.111	<1	1.70	0.022	0.08	0.3	0.02	3.5	0.1	<0.05	6	<0.5	<0.2
1320848	Soil	8	28	0.43	116	0.073	<1	1.74	0.008	0.05	0.2	0.02	2.5	0.1	<0.05	8	<0.5	<0.2
1320850	Soil	10	28	0.68	275	0.129	1	1.83	0.015	0.13	0.2	0.07	2.7	0.1	<0.05	6	<0.5	<0.2
1320685	Soil	11	26	0.50	162	0.056	<1	1.12	0.009	0.06	0.2	0.01	2.6	<0.1	<0.05	4	<0.5	<0.2
1320861	Soil	7	15	0.31	106	0.049	<1	1.02	0.015	0.06	<0.1	0.02	1.7	0.1	<0.05	6	<0.5	<0.2
1320842	Soil	12	37	0.67	215	0.087	<1	1.76	0.018	0.11	0.2	0.02	3.4	0.2	<0.05	6	<0.5	<0.2
1320669	Soil	14	33	0.77	285	0.048	2	2.28	0.019	0.06	0.3	0.06	6.2	0.1	<0.05	7	<0.5	<0.2
1320673	Soil	11	32	0.82	220	0.045	2	2.10	0.019	0.06	0.3	0.08	3.9	0.1	<0.05	7	<0.5	<0.2
1320683	Soil	13	26	0.46	249	0.048	1	1.47	0.009	0.07	0.2	0.04	3.3	0.1	<0.05	5	<0.5	<0.2
1320676	Soil	12	29	0.51	209	0.044	1	1.77	0.007	0.07	0.2	0.04	3.5	0.1	<0.05	6	<0.5	<0.2
1320682	Soil	12	28	0.52	293	0.045	1	1.78	0.008	0.07	0.3	0.04	4.0	0.1	<0.05	6	<0.5	<0.2
1320852	Soil	7	25	0.46	172	0.098	1	1.67	0.010	0.10	0.2	0.03	2.7	<0.1	<0.05	7	<0.5	<0.2
1320863	Soil	5	23	0.81	173	0.189	2	1.89	0.010	0.33	0.2	0.02	4.3	0.2	<0.05	7	0.5	<0.2
1320866	Soil	7	21	0.97	246	0.188	<1	2.22	0.014	0.72	0.1	0.01	7.4	0.4	0.05	8	0.8	0.2
1320868	Soil	10	21	0.97	230	0.173	1	2.32	0.010	0.62	0.1	0.03	8.5	0.3	<0.05	9	<0.5	0.4
1320871	Soil	7	23	0.26	100	0.055	2	1.55	0.007	0.05	0.2	0.08	2.4	<0.1	<0.05	7	<0.5	<0.2
1320845	Soil	13	35	0.63	178	0.094	2	1.98	0.015	0.08	0.2	0.05	3.7	0.1	<0.05	6	<0.5	<0.2
1320846	Soil	13	35	0.62	233	0.098	1	1.50	0.022	0.11	0.2	0.02	3.1	<0.1	<0.05	6	<0.5	<0.2



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Method	Analyte	Unit	MDL	1DX15 Mo	1DX15 Cu	1DX15 Pb	1DX15 Zn	1DX15 Ag	1DX15 Ni	1DX15 Co	1DX15 Mn	1DX15 Fe	1DX15 As	1DX15 U	1DX15 Au	1DX15 Th	1DX15 Sr	1DX15 Cd	1DX15 Sb	1DX15 Bi	1DX15 V	1DX15 Ca	1DX15 P
				ppm	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1320853	Soil			0.9	13.5	8.5	29	<0.1	9.0	5.0	273	1.55	2.7	1.2	2.2	1.6	25	0.1	0.2	0.1	38	0.12	0.031
1320864	Soil			1.0	43.7	5.7	84	<0.1	14.5	14.6	383	4.05	6.1	1.1	<0.5	5.3	42	<0.1	0.6	0.1	83	0.19	0.062
1320865	Soil			0.9	89.8	5.5	56	0.1	13.0	19.8	485	4.22	8.4	0.3	4.2	1.4	10	<0.1	0.3	0.3	116	0.16	0.046
1320856	Soil			1.2	26.1	10.7	55	0.1	17.3	8.5	289	2.75	4.5	1.3	1.2	2.9	56	0.3	0.3	0.1	78	0.31	0.057
1320854	Soil			2.7	17.5	11.1	42	0.1	16.7	7.8	285	2.60	5.2	1.1	2.7	2.9	42	0.2	0.3	0.2	72	0.24	0.050
1320849	Soil			2.0	18.7	16.1	49	0.2	18.3	9.1	245	3.16	7.2	0.6	1.4	2.7	23	0.3	0.4	0.2	85	0.15	0.033
1320867	Soil			1.2	56.2	14.0	57	0.2	16.1	11.3	363	3.66	8.2	0.4	13.4	1.8	40	<0.1	0.5	0.7	92	0.18	0.031
1320870	Soil			1.8	27.4	47.6	83	0.4	15.8	6.4	285	3.29	13.3	1.7	7.3	0.8	72	0.2	0.8	0.9	50	0.29	0.084
1320869	Soil			0.8	20.9	16.7	54	0.1	14.8	9.2	229	3.13	6.7	0.8	4.5	2.5	53	0.1	1.0	0.5	75	0.27	0.035
1320872	Soil			1.4	12.2	14.3	46	<0.1	14.6	6.6	238	2.67	8.6	0.6	9.7	3.0	19	0.1	0.6	0.3	59	0.09	0.030
1320857	Soil			1.4	23.8	11.2	50	0.2	16.6	8.4	290	2.69	6.6	1.0	1.9	1.2	40	0.1	0.5	0.2	72	0.27	0.064
1320851	Soil			2.2	21.1	2.3	40	0.3	20.9	8.8	363	2.17	3.6	0.2	<0.5	0.8	35	0.2	0.3	<0.1	52	0.70	0.058



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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1320853	Soil	19	16	0.27	160	0.069	<1	1.19	0.015	0.06	0.2	0.02	2.7	<0.1	<0.05	5	<0.5	<0.2
1320864	Soil	11	28	1.12	646	0.207	<1	2.12	0.011	1.12	<0.1	<0.01	9.7	0.5	<0.05	10	<0.5	<0.2
1320865	Soil	4	18	1.01	293	0.227	1	2.27	0.011	0.74	0.2	0.03	5.1	0.3	<0.05	6	<0.5	<0.2
1320856	Soil	10	30	0.57	255	0.098	<1	1.85	0.017	0.07	0.2	0.03	4.2	<0.1	<0.05	6	<0.5	<0.2
1320854	Soil	10	26	0.49	148	0.098	<1	1.61	0.015	0.06	0.3	0.03	2.3	<0.1	<0.05	6	<0.5	<0.2
1320849	Soil	9	30	0.54	153	0.102	1	2.04	0.010	0.06	0.2	0.03	3.1	0.1	<0.05	8	<0.5	<0.2
1320867	Soil	6	29	0.76	179	0.130	<1	2.06	0.012	0.31	0.2	0.02	4.7	0.3	<0.05	8	0.5	0.2
1320870	Soil	13	28	0.38	347	0.019	2	1.93	0.012	0.10	0.1	0.05	4.0	0.1	0.09	7	<0.5	<0.2
1320869	Soil	8	29	0.74	369	0.064	<1	2.01	0.010	0.09	0.1	0.03	7.1	0.2	<0.05	6	<0.5	<0.2
1320872	Soil	9	26	0.33	189	0.060	1	1.68	0.012	0.06	0.2	0.04	3.1	<0.1	0.05	6	<0.5	<0.2
1320857	Soil	11	29	0.51	275	0.069	1	1.74	0.014	0.06	0.1	0.03	3.9	0.1	<0.05	6	<0.5	<0.2
1320851	Soil	3	26	0.67	85	0.091	3	1.27	0.071	0.11	12.2	0.01	4.2	<0.1	<0.05	4	<0.5	<0.2



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QUALITY CONTROL REPORT

DAW1200054.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
1321292	Soil	0.5	53.8	11.8	44	<0.1	14.5	17.8	362	4.11	10.9	0.4	6.7	1.1	93	0.2	0.4	<0.1	124	0.56	0.154
REP 1321292	QC	0.7	54.4	11.7	44	0.1	14.6	18.0	371	4.15	11.2	0.4	5.4	1.1	90	0.1	0.4	<0.1	121	0.55	0.150
1321302	Soil	2.0	34.4	66.4	55	0.3	19.0	13.1	694	2.95	50.5	1.4	9.5	1.1	33	0.2	2.2	0.6	60	0.38	0.099
REP 1321302	QC	1.7	34.7	66.2	54	0.3	19.2	12.3	693	2.92	49.1	1.3	10.3	1.1	34	0.3	2.0	0.6	59	0.40	0.097
1321313	Soil	1.0	21.5	13.2	50	0.2	14.9	7.8	369	2.20	8.6	0.8	7.6	0.9	18	0.2	0.5	0.3	57	0.22	0.047
REP 1321313	QC	0.8	23.0	12.9	52	0.2	15.5	8.1	385	2.28	8.3	0.8	2.8	0.9	18	0.3	0.5	0.2	60	0.22	0.048
1320378	Soil	1.0	35.6	18.0	61	<0.1	22.9	11.0	330	3.07	10.9	0.6	4.2	3.5	14	0.2	0.6	0.3	81	0.16	0.032
REP 1320378	QC	1.0	33.7	18.1	59	<0.1	22.0	10.9	324	3.01	9.9	0.6	3.5	3.4	13	0.2	0.6	0.2	78	0.16	0.033
1320875	Soil	1.5	19.1	13.6	51	<0.1	19.6	14.0	528	4.44	18.3	0.6	5.2	2.1	223	0.3	0.7	0.2	127	0.51	0.095
REP 1320875	QC	1.6	18.3	13.6	50	<0.1	18.6	13.6	505	4.26	18.3	0.6	8.9	2.1	219	0.3	0.7	0.2	126	0.51	0.091
1320877	Soil	1.6	17.9	11.9	55	<0.1	19.3	18.7	554	4.60	16.5	0.6	17.6	2.6	221	0.2	0.7	0.1	138	0.57	0.123
REP 1320877	QC	1.8	17.2	11.6	54	<0.1	18.9	18.9	552	4.56	16.6	0.6	4.6	2.5	221	0.2	0.7	0.1	141	0.58	0.127
1320166	Soil	0.9	27.2	10.2	62	<0.1	26.7	16.5	757	4.08	12.9	1.0	40.1	2.3	68	0.4	0.6	0.2	108	0.48	0.109
REP 1320166	QC	0.8	27.6	9.7	60	<0.1	26.0	16.8	757	4.07	12.8	1.0	10.4	2.3	70	0.4	0.7	0.2	105	0.46	0.116
1320170	Soil	1.5	14.8	9.1	34	0.1	11.9	11.7	733	3.34	8.6	0.4	3.9	0.3	38	0.3	0.4	0.2	77	0.44	0.187
REP 1320170	QC	1.6	14.6	9.5	34	0.1	11.3	11.7	724	3.21	8.5	0.4	15.3	0.3	36	0.3	0.4	0.2	74	0.44	0.188
1320111	Soil	1.8	24.8	34.8	54	0.2	17.3	10.3	469	3.21	6.1	0.6	1.6	1.4	26	0.3	0.3	0.2	98	0.19	0.058
REP 1320111	QC	1.7	25.1	34.4	51	0.2	16.9	10.0	471	3.17	6.1	0.6	5.9	1.4	26	0.2	0.3	0.1	96	0.19	0.056
1320123	Soil	0.8	38.0	12.2	44	0.7	16.3	10.3	216	3.91	8.6	0.9	7.2	2.1	22	<0.1	0.4	0.5	115	0.24	0.050
REP 1320123	QC	0.7	35.4	11.8	43	0.6	15.2	9.9	201	3.64	8.3	0.9	4.8	2.1	20	<0.1	0.4	0.5	105	0.23	0.046
1321262	Soil	1.4	15.5	13.0	74	0.1	16.8	10.5	386	3.52	7.5	0.4	1.2	2.2	17	0.2	0.5	0.1	100	0.14	0.042
REP 1321262	QC	1.4	15.4	13.3	75	0.1	18.0	10.1	396	3.53	7.7	0.5	1.7	2.4	17	0.2	0.4	0.1	105	0.14	0.042
1320658	Soil	1.2	13.6	19.0	35	1.1	8.9	3.2	86	1.54	3.6	1.5	5.0	0.1	60	0.3	0.3	0.4	26	0.27	0.114
REP 1320658	QC	1.2	14.1	19.3	35	1.1	8.9	3.2	88	1.53	3.8	1.5	5.9	0.2	63	0.3	0.4	0.3	29	0.29	0.122
1321278	Soil	3.8	73.0	13.9	66	0.2	8.8	12.9	443	5.01	6.7	0.9	26.0	3.6	81	0.1	0.3	0.7	159	0.20	0.061
REP 1321278	QC	3.5	73.2	13.7	67	0.2	8.3	12.9	445	5.14	6.5	0.9	42.1	3.6	81	0.1	0.3	0.7	162	0.20	0.062
1321276	Soil	2.1	15.5	15.5	42	0.3	9.5	5.6	119	3.23	7.0	0.6	56.7	2.8	22	0.1	0.5	1.4	77	0.18	0.044
REP 1321276	QC	1.9	16.0	15.5	43	0.4	9.7	5.9	123	3.36	7.2	0.6	90.8	2.9	22	<0.1	0.6	1.5	80	0.19	0.044

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Vancouver BC V6C 1H2 Canada

Project: CHA
Report Date: July 13, 2012

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QUALITY CONTROL REPORT

DAW1200054.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
1321292	Soil	7	41	1.15	230	0.108	1	2.99	0.021	0.22	<0.1	0.08	4.3	0.2	0.07	8	<0.5	<0.2
REP 1321292	QC	7	40	1.16	226	0.107	<1	2.72	0.022	0.25	0.1	0.08	4.1	0.2	0.06	8	<0.5	<0.2
1321302	Soil	16	20	0.50	535	0.021	1	1.57	0.011	0.12	0.2	0.11	3.5	0.2	0.17	5	0.7	0.4
REP 1321302	QC	16	20	0.52	550	0.022	1	1.59	0.012	0.13	0.2	0.10	3.6	0.2	0.15	5	0.7	0.3
1321313	Soil	11	29	0.49	232	0.038	1	1.44	0.007	0.06	0.2	0.05	2.7	0.1	0.06	6	<0.5	<0.2
REP 1321313	QC	12	30	0.51	241	0.040	1	1.51	0.008	0.06	0.1	0.05	2.7	0.1	0.09	6	<0.5	<0.2
1320378	Soil	10	35	0.71	155	0.095	2	2.02	0.009	0.12	0.1	0.01	4.9	0.1	<0.05	6	<0.5	<0.2
REP 1320378	QC	10	34	0.69	150	0.096	1	2.09	0.009	0.12	0.2	0.03	4.7	0.1	<0.05	6	<0.5	<0.2
1320875	Soil	11	31	0.87	316	0.059	1	2.89	0.031	0.05	0.2	0.03	4.7	0.1	0.18	8	<0.5	<0.2
REP 1320875	QC	11	30	0.86	310	0.060	1	2.86	0.029	0.06	0.2	0.04	4.6	0.1	0.14	8	<0.5	0.2
1320877	Soil	12	31	1.14	192	0.089	1	2.79	0.022	0.08	0.2	0.03	6.7	0.1	0.08	8	<0.5	0.4
REP 1320877	QC	12	33	1.17	193	0.090	<1	2.81	0.023	0.07	0.2	0.02	6.8	<0.1	0.11	8	<0.5	0.4
1320166	Soil	12	42	1.06	292	0.084	1	2.17	0.024	0.07	0.3	0.05	6.5	0.1	<0.05	6	<0.5	<0.2
REP 1320166	QC	12	42	1.05	289	0.081	2	2.20	0.023	0.07	0.2	0.06	6.5	0.1	<0.05	6	<0.5	<0.2
1320170	Soil	8	28	0.75	352	0.014	<1	1.87	0.019	0.05	<0.1	0.08	4.1	0.1	0.12	6	<0.5	<0.2
REP 1320170	QC	8	27	0.74	348	0.014	<1	1.88	0.018	0.04	<0.1	0.07	4.2	0.1	0.09	6	<0.5	<0.2
1320111	Soil	9	38	0.50	193	0.088	<1	1.83	0.014	0.06	0.2	0.05	2.7	0.1	<0.05	8	<0.5	<0.2
REP 1320111	QC	9	37	0.49	192	0.088	<1	1.84	0.012	0.06	0.2	0.04	2.7	0.1	<0.05	8	<0.5	<0.2
1320123	Soil	10	33	0.74	227	0.094	<1	2.11	0.013	0.21	0.1	0.06	7.8	0.2	<0.05	8	<0.5	0.2
REP 1320123	QC	9	31	0.72	224	0.083	<1	1.95	0.012	0.20	<0.1	0.06	7.4	0.2	<0.05	7	<0.5	0.3
1321262	Soil	7	38	0.51	183	0.129	1	2.62	0.012	0.03	0.1	0.04	2.8	0.1	<0.05	9	<0.5	<0.2
REP 1321262	QC	8	41	0.57	187	0.129	1	2.73	0.012	0.03	0.2	0.03	3.0	<0.1	<0.05	8	<0.5	<0.2
1320658	Soil	10	15	0.16	330	0.013	2	1.05	0.018	0.07	<0.1	0.17	1.5	<0.1	0.09	3	0.7	<0.2
REP 1320658	QC	11	15	0.17	348	0.018	2	1.14	0.020	0.07	0.1	0.14	1.5	0.1	<0.05	3	1.1	<0.2
1321278	Soil	7	28	1.26	484	0.226	<1	2.36	0.028	0.65	0.2	0.02	13.8	0.5	0.28	8	1.5	0.5
REP 1321278	QC	7	28	1.24	472	0.234	<1	2.43	0.028	0.61	0.2	0.01	14.0	0.4	0.25	8	1.6	0.5
1321276	Soil	8	20	0.62	209	0.042	<1	1.76	0.011	0.08	0.1	0.03	6.7	0.1	0.05	6	0.6	0.6
REP 1321276	QC	9	21	0.63	214	0.042	1	1.74	0.011	0.08	0.1	0.04	7.0	0.2	<0.05	6	0.8	0.5

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 Report Date: July 13, 2012

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QUALITY CONTROL REPORT

DAW12000054.1

		1DX15 Mo ppm	1DX15 Cu ppm	1DX15 Pb ppm	1DX15 Zn ppm	1DX15 Ag ppm	1DX15 Ni ppm	1DX15 Co ppm	1DX15 Mn ppm	1DX15 Fe %	1DX15 As ppm	1DX15 U ppm	1DX15 Au ppb	1DX15 Th ppm	1DX15 Sr ppm	1DX15 Cd ppm	1DX15 Sb ppm	1DX15 Bi ppm	1DX15 V ppm	1DX15 Ca %	1DX15 P %
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1320660	Soil	1.1	18.3	36.9	74	0.2	16.9	17.9	440	4.40	18.0	0.7	11.0	2.5	176	0.4	0.8	1.3	118	0.65	0.135
REP 1320660	QC	1.0	18.1	35.9	74	0.2	16.8	17.5	429	4.27	17.9	0.7	35.8	2.4	174	0.4	0.8	1.3	114	0.63	0.136
1320858	Soil	1.2	25.3	13.9	53	0.2	13.7	21.5	1479	3.00	4.7	0.4	1.5	1.2	79	0.3	0.3	0.2	92	0.39	0.066
REP 1320858	QC	1.1	25.1	13.2	51	0.2	12.9	21.0	1442	2.95	4.8	0.4	1.8	1.2	76	0.3	0.3	0.2	90	0.39	0.062
1320669	Soil	1.9	34.6	28.0	61	<0.1	23.9	14.4	829	3.30	18.2	1.0	16.0	1.8	289	0.3	0.7	0.5	75	0.46	0.121
REP 1320669	QC	1.8	35.0	28.6	62	<0.1	23.9	14.9	834	3.32	19.3	1.0	9.6	1.8	296	0.3	0.8	0.5	75	0.46	0.116
Reference Materials																					
STD DS9	Standard	12.2	107.2	120.7	303	2.0	40.1	7.1	568	2.28	23.5	2.5	110.9	6.2	67	2.1	5.3	6.0	41	0.68	0.077
STD DS9	Standard	12.8	104.3	121.2	295	1.8	37.4	7.2	562	2.23	23.6	2.6	125.2	5.7	68	2.3	5.1	5.7	40	0.68	0.080
STD DS9	Standard	13.2	105.9	119.6	303	1.8	39.7	7.3	558	2.29	24.4	2.7	116.7	6.4	66	2.3	5.4	5.9	42	0.70	0.081
STD DS9	Standard	13.2	108.9	120.2	309	1.7	39.8	7.5	562	2.26	23.3	2.8	115.4	6.5	67	2.3	5.1	5.8	41	0.72	0.080
STD DS9	Standard	12.4	98.7	112.6	294	1.8	39.8	7.8	561	2.27	21.4	2.4	169.9	5.3	60	2.0	5.1	5.2	42	0.68	0.077
STD DS9	Standard	12.8	106.6	125.6	300	1.8	39.4	7.7	558	2.32	23.5	2.7	118.6	6.4	66	2.1	5.0	6.1	42	0.70	0.076
STD DS9	Standard	12.2	99.4	125.5	299	1.9	38.2	6.9	554	2.29	25.7	2.8	112.4	6.4	72	2.3	5.9	6.9	37	0.69	0.083
STD DS9	Standard	12.9	107.0	123.6	288	1.8	39.3	7.5	551	2.17	24.5	2.8	116.4	6.8	74	2.3	5.9	6.5	39	0.67	0.079
STD DS9	Standard	12.6	109.4	118.0	299	1.9	40.7	7.7	574	2.29	24.4	2.4	119.4	5.5	62	2.3	5.2	5.2	42	0.69	0.080
STD DS9 Expected		12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: CHA
 Report Date: July 13, 2012

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QUALITY CONTROL REPORT

DAW1200054.1

		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
1320660	Soil	11	38	0.84	209	0.064	<1	1.90	0.033	0.04	0.5	0.05	4.2	<0.1	<0.05	6	<0.5	0.4
REP 1320660	QC	11	36	0.82	209	0.060	1	1.85	0.032	0.04	0.5	0.05	4.3	<0.1	<0.05	6	<0.5	0.4
1320858	Soil	7	26	0.58	193	0.091	<1	1.97	0.016	0.11	0.1	0.02	3.8	0.1	<0.05	7	<0.5	<0.2
REP 1320858	QC	7	25	0.56	192	0.087	<1	1.90	0.014	0.12	0.1	0.02	3.7	0.1	<0.05	7	<0.5	<0.2
1320669	Soil	14	33	0.77	285	0.048	2	2.28	0.019	0.06	0.3	0.06	6.2	0.1	<0.05	7	<0.5	<0.2
REP 1320669	QC	15	33	0.77	284	0.048	2	2.27	0.019	0.06	0.3	0.05	6.0	<0.1	<0.05	7	<0.5	<0.2
Reference Materials																		
STD DS9	Standard	12	119	0.61	280	0.100	2	0.87	0.082	0.36	3.0	0.21	2.6	5.4	0.11	4	4.8	5.0
STD DS9	Standard	12	119	0.61	286	0.101	2	0.86	0.090	0.33	2.7	0.20	2.7	5.3	0.15	4	5.3	4.9
STD DS9	Standard	14	125	0.63	290	0.111	3	0.95	0.090	0.39	3.1	0.23	2.9	5.6	0.19	4	5.6	4.6
STD DS9	Standard	14	121	0.63	304	0.109	3	0.94	0.090	0.35	2.9	0.19	2.6	5.4	0.20	4	5.4	5.0
STD DS9	Standard	11	123	0.58	273	0.101	2	0.86	0.079	0.35	3.0	0.20	2.2	5.3	0.14	4	4.9	5.1
STD DS9	Standard	13	122	0.61	301	0.110	3	0.95	0.105	0.38	3.2	0.20	4.0	5.7	0.17	5	4.8	5.3
STD DS9	Standard	12	110	0.56	297	0.103	3	0.88	0.088	0.38	3.0	0.21	2.5	5.5	0.14	5	5.9	5.1
STD DS9	Standard	13	116	0.58	300	0.121	2	0.91	0.091	0.34	3.0	0.19	2.3	5.2	0.09	4	5.1	4.4
STD DS9	Standard	11	122	0.61	282	0.099	2	0.88	0.079	0.36	2.9	0.23	2.1	5.5	0.18	5	5.1	5.3
STD DS9 Expected		13.3	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	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	0.07	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Andy Randell
Receiving Lab: Canada-Dawson City
Received: June 25, 2012
Report Date: July 11, 2012
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CERTIFICATE OF ANALYSIS

DAW12000055.1

CLIENT JOB INFORMATION

Project: CHA
Shipment ID:
P.O. Number
Number of Samples: 316

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

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

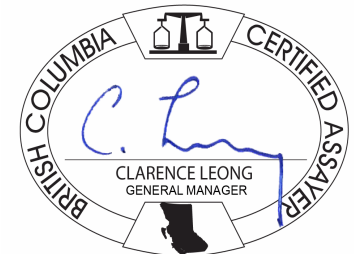
Invoice To: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Dave Schmidt

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	316	Dry at 60C			DAW
SS80	316	Dry at 60C sieve 100g to -80 mesh			DAW
RJSV	316	Saving all or part of Soil Reject			DAW
1DX2	316	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS



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CERTIFICATE OF ANALYSIS

DAW1200055.1

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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1320438	Soil		1.8	32.4	9.5	48	<0.1	21.3	18.5	669	3.36	25.5	0.9	13.2	2.8	29	0.4	1.4	0.2	77	0.38	0.117
1320435	Soil		4.8	106.8	17.2	54	0.2	34.0	41.8	583	3.97	58.9	1.3	29.6	0.9	45	0.2	2.0	0.3	81	0.39	0.107
1320434	Soil		3.3	50.5	12.8	44	0.1	24.4	21.5	547	3.41	57.7	1.0	16.4	1.1	63	0.1	1.1	0.2	75	0.42	0.117
1320437	Soil		2.0	15.7	8.7	37	<0.1	12.2	6.5	149	2.56	21.9	0.6	11.4	0.1	27	0.5	1.7	0.2	70	0.16	0.083
1320440	Soil		2.0	23.8	10.3	29	0.2	11.1	6.0	205	4.21	100.8	0.9	3.6	4.1	29	<0.1	4.3	0.3	45	0.12	0.079
1320436	Soil		1.2	22.3	6.4	26	0.1	10.0	5.4	138	1.61	10.9	0.6	3.5	0.2	29	0.1	0.7	0.1	39	0.25	0.074
1320439	Soil		3.0	39.1	8.9	47	0.2	20.7	11.6	427	4.35	177.4	1.2	8.3	2.3	34	0.2	7.7	0.3	60	0.23	0.079
1320433	Soil		3.7	64.6	12.1	35	0.1	13.3	23.8	502	6.50	24.3	0.5	6.6	1.2	230	<0.1	0.9	0.2	166	0.48	0.231
1322267	Soil		1.2	11.9	18.6	38	0.1	13.8	6.7	352	2.31	9.2	0.4	1.6	1.8	76	0.1	0.3	0.2	59	0.17	0.026
1322268	Soil		0.9	15.0	19.2	23	0.3	6.3	2.7	115	1.26	3.1	0.6	0.5	0.5	41	0.1	0.2	0.1	37	0.10	0.018
1322263	Soil		1.8	18.8	14.6	57	0.2	18.9	8.2	556	2.85	18.8	0.5	4.6	1.6	18	0.2	0.5	0.2	64	0.13	0.040
1322265	Soil		1.2	18.8	20.6	53	<0.1	20.8	9.0	369	2.73	14.3	0.8	2.1	2.9	56	0.2	0.4	0.2	64	0.20	0.025
1322266	Soil		1.0	9.4	13.2	27	<0.1	7.7	3.3	180	1.69	6.2	0.3	<0.5	0.6	37	0.2	0.3	0.2	56	0.10	0.029
1322262	Soil		1.0	32.6	11.7	54	<0.1	28.5	11.1	372	2.78	14.2	1.0	5.6	4.6	18	<0.1	0.5	0.1	67	0.18	0.018
1322251	Soil		2.7	27.7	2.1	41	0.3	25.3	11.1	395	2.38	4.4	0.2	1.1	0.8	35	0.1	0.2	<0.1	68	0.78	0.057
1322264	Soil		1.0	26.5	17.9	55	<0.1	24.5	9.8	359	2.45	16.3	1.0	4.3	4.1	54	<0.1	0.6	0.1	56	0.14	0.022
1320449	Soil		1.0	15.0	14.9	54	<0.1	21.4	12.3	419	2.67	10.9	0.5	3.8	3.1	13	0.1	0.6	0.2	63	0.15	0.031
1320445	Soil		0.8	15.5	22.2	60	<0.1	17.4	9.5	463	2.21	11.4	0.5	3.3	1.5	30	0.1	0.9	0.3	49	0.17	0.046
1320422	Soil		0.5	38.5	15.7	54	0.1	18.9	17.5	661	5.70	18.1	1.2	23.1	2.5	698	0.4	0.4	0.1	176	1.45	0.224
1320441	Soil		2.5	25.2	9.7	33	0.2	12.2	5.0	146	2.71	29.2	0.9	3.2	0.7	27	0.1	3.0	0.3	53	0.22	0.081
1320443	Soil		1.7	14.3	12.3	41	0.2	14.3	11.1	417	2.48	19.7	0.8	5.0	1.0	20	0.1	1.2	0.3	59	0.23	0.072
1320442	Soil		2.8	12.8	11.5	38	0.1	12.2	9.8	447	2.58	26.9	0.5	3.6	0.7	22	<0.1	1.6	0.3	71	0.19	0.069
1320448	Soil		0.9	19.0	10.5	52	0.1	16.5	6.6	262	2.11	9.9	0.5	0.9	0.9	20	0.1	0.6	0.2	59	0.23	0.044
1320432	Soil		1.2	39.4	17.3	46	<0.1	18.7	48.5	1187	5.41	24.2	0.6	10.1	1.8	118	0.2	0.9	0.3	160	0.85	0.220
1320444	Soil		1.2	17.4	21.2	51	0.2	14.8	30.5	3647	2.30	14.3	1.0	3.2	0.9	20	0.2	1.6	0.3	50	0.26	0.073
1320431	Soil		2.6	64.3	13.1	40	0.1	18.8	45.4	833	6.37	24.6	0.6	15.4	1.5	224	0.2	0.7	0.3	166	0.73	0.221
1320447	Soil		0.6	28.5	17.5	43	0.3	20.0	7.3	199	2.01	8.1	1.1	3.7	1.2	28	<0.1	0.6	0.3	48	0.27	0.080
1322252	Soil		1.7	23.2	21.3	73	0.1	23.8	13.7	467	3.74	51.1	0.6	4.9	2.6	40	0.1	0.4	0.4	104	0.32	0.048
1320950	Soil		1.5	20.6	25.0	81	0.1	18.1	12.6	702	4.33	48.7	0.4	87.9	1.9	79	0.3	0.4	0.7	127	0.55	0.096
1322253	Soil		1.4	25.5	37.9	64	0.4	21.3	11.0	396	3.14	98.9	0.7	15.2	2.4	38	0.2	0.7	1.4	84	0.46	0.073

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1320438	Soil	15	29	0.69	340	0.051	1	1.38	0.014	0.09	0.3	0.05	4.9	0.2	0.06	5	<0.5	0.2
1320435	Soil	15	29	0.69	727	0.026	<1	1.76	0.014	0.08	0.2	0.15	4.9	0.7	0.15	5	0.8	0.4
1320434	Soil	17	25	0.64	289	0.040	2	1.65	0.031	0.09	0.1	0.11	4.8	0.3	0.23	6	0.9	0.3
1320437	Soil	8	22	0.31	174	0.024	1	0.86	0.011	0.07	0.3	0.14	1.1	0.2	0.17	4	<0.5	0.3
1320440	Soil	10	19	0.36	263	0.009	<1	0.99	0.051	0.21	0.3	0.11	2.6	0.2	0.69	4	1.6	0.6
1320436	Soil	9	15	0.25	334	0.030	1	1.06	0.026	0.04	<0.1	0.08	1.9	0.2	0.16	3	<0.5	<0.2
1320439	Soil	9	26	0.48	465	0.022	<1	1.34	0.031	0.17	0.2	0.16	4.4	0.5	0.44	5	0.9	0.4
1320433	Soil	9	40	1.54	188	0.113	1	3.21	0.065	0.22	0.2	0.06	9.5	0.2	0.42	10	1.9	0.7
1322267	Soil	9	25	0.33	241	0.039	1	1.47	0.008	0.06	0.1	0.02	2.1	<0.1	0.05	5	<0.5	<0.2
1322268	Soil	7	13	0.13	128	0.032	<1	0.91	0.010	0.05	<0.1	0.02	1.1	<0.1	0.05	4	<0.5	<0.2
1322263	Soil	10	28	0.34	160	0.026	1	1.68	0.006	0.07	0.2	0.03	2.1	0.1	0.06	6	<0.5	<0.2
1322265	Soil	11	32	0.45	248	0.050	1	1.69	0.008	0.07	0.2	0.03	3.0	<0.1	<0.05	5	<0.5	<0.2
1322266	Soil	8	16	0.18	150	0.049	<1	0.91	0.009	0.05	0.1	0.02	1.3	0.1	0.05	6	<0.5	<0.2
1322262	Soil	17	38	0.56	280	0.067	<1	1.71	0.011	0.05	0.1	0.04	5.3	0.1	<0.05	5	<0.5	<0.2
1322251	Soil	4	33	0.77	90	0.115	2	1.43	0.075	0.11	13.5	0.02	4.3	<0.1	0.09	5	<0.5	<0.2
1322264	Soil	12	33	0.47	257	0.052	1	1.62	0.008	0.06	0.1	0.04	3.4	0.1	0.05	4	<0.5	<0.2
1320449	Soil	11	33	0.53	179	0.060	1	1.67	0.009	0.07	0.2	0.05	2.9	0.1	0.06	6	<0.5	<0.2
1320445	Soil	9	25	0.44	326	0.039	<1	1.33	0.011	0.06	0.2	0.05	2.1	<0.1	0.08	4	<0.5	<0.2
1320422	Soil	14	32	0.79	324	0.076	<1	3.40	0.060	0.06	0.2	0.05	5.9	<0.1	0.07	8	<0.5	<0.2
1320441	Soil	10	18	0.35	200	0.012	<1	1.10	0.032	0.10	0.2	0.08	2.2	0.2	0.29	4	0.6	0.3
1320443	Soil	10	26	0.41	202	0.038	1	1.23	0.009	0.06	0.2	0.12	2.6	0.2	0.11	5	<0.5	<0.2
1320442	Soil	9	22	0.51	197	0.032	<1	1.19	0.013	0.08	0.2	0.07	2.4	0.1	0.13	5	<0.5	0.2
1320448	Soil	10	29	0.42	248	0.055	1	1.09	0.010	0.08	0.1	0.04	2.2	0.1	0.09	5	<0.5	<0.2
1320432	Soil	18	47	1.85	153	0.088	<1	2.72	0.025	0.24	0.2	0.02	11.1	0.3	0.06	10	0.6	0.5
1320444	Soil	12	25	0.38	393	0.030	1	1.24	0.010	0.06	0.2	0.14	2.8	0.1	0.11	5	<0.5	<0.2
1320431	Soil	11	46	1.65	189	0.116	<1	3.17	0.065	0.25	0.2	0.03	11.5	0.2	0.38	10	1.5	0.7
1320447	Soil	14	39	0.55	377	0.035	1	1.79	0.010	0.10	0.1	0.12	2.8	0.2	0.15	6	<0.5	<0.2
1322252	Soil	11	39	0.78	272	0.083	1	2.69	0.015	0.09	0.2	0.03	5.0	0.2	0.06	8	<0.5	<0.2
1320950	Soil	10	30	1.06	253	0.098	1	2.83	0.016	0.22	0.1	0.02	6.4	0.3	0.06	9	<0.5	<0.2
1322253	Soil	12	33	0.67	297	0.080	1	1.88	0.017	0.10	0.2	0.03	4.5	0.2	0.06	6	<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	1DX15
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			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	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1320949	Soil		1.0	24.4	18.8	60	<0.1	19.9	12.1	419	3.28	62.9	0.7	11.7	2.8	58	<0.1	0.3	1.4	95	0.51	0.065
1322254	Soil		1.8	21.6	31.6	59	0.3	18.9	9.6	304	3.41	40.0	0.6	3.5	2.5	23	0.3	0.3	0.7	95	0.23	0.046
1322255	Soil		1.5	21.9	16.3	51	0.3	19.4	9.0	299	2.94	13.3	0.7	4.0	2.7	25	<0.1	0.3	0.3	88	0.24	0.046
1322256	Soil		1.4	26.5	17.6	59	0.1	25.1	11.2	402	2.97	17.1	0.6	7.5	2.5	40	<0.1	0.5	0.3	80	0.34	0.062
1322257	Soil		1.6	25.3	34.8	81	0.1	27.3	10.4	445	3.13	23.7	0.7	4.7	3.2	16	0.2	0.6	0.3	77	0.17	0.036
1322258	Soil		2.3	27.7	45.2	85	<0.1	29.7	13.1	528	2.96	62.9	0.8	22.1	3.3	14	0.4	1.2	0.6	69	0.13	0.024
1322259	Soil		1.7	20.4	54.4	70	0.3	23.3	14.2	963	2.99	38.0	0.6	7.1	2.8	18	0.3	1.0	0.5	72	0.16	0.029
1322260	Soil		1.5	20.5	24.7	123	0.7	29.0	9.9	379	3.13	31.2	0.7	1.8	4.0	14	0.4	0.8	0.3	76	0.12	0.036
1322261	Soil		2.0	20.6	42.5	141	0.7	16.2	8.0	976	2.89	17.0	0.7	2.5	1.9	10	0.5	0.9	0.3	67	0.08	0.068
1320937	Soil		0.9	16.9	8.4	56	<0.1	20.9	10.0	538	3.55	9.2	0.7	1.8	3.8	57	<0.1	0.9	0.3	85	0.53	0.085
1320941	Soil		1.0	25.7	61.1	92	0.1	23.8	10.5	353	3.25	21.8	0.6	2.0	4.1	19	0.4	0.7	0.3	78	0.17	0.031
1320940	Soil		0.8	21.3	19.2	59	<0.1	20.2	10.7	490	3.17	9.7	0.8	4.8	2.8	38	0.1	0.5	0.2	80	0.42	0.077
1320938	Soil		0.9	19.1	27.8	73	<0.1	17.7	10.8	569	3.67	6.4	0.5	2.7	2.6	85	0.2	0.5	0.2	102	0.73	0.111
1320939	Soil		0.9	25.4	35.5	114	0.1	19.8	10.5	388	3.37	9.9	0.5	2.4	2.9	54	0.2	0.6	0.3	101	0.55	0.091
1320942	Soil		1.7	48.9	58.2	201	0.9	32.2	9.1	489	3.40	70.1	1.8	2.2	2.2	20	0.9	2.1	1.0	59	0.19	0.074
1320943	Soil		2.4	30.8	19.6	48	0.2	16.3	7.6	402	2.59	18.8	0.5	1.0	2.1	22	0.3	0.6	0.4	63	0.24	0.045
1320944	Soil		1.1	21.7	23.8	70	0.2	18.7	11.1	604	3.38	45.9	0.6	5.4	2.1	42	0.4	0.7	2.6	76	0.52	0.113
1320945	Soil		1.1	19.5	11.5	51	0.1	17.2	8.5	299	3.10	25.8	0.8	3.4	2.0	33	0.3	0.4	0.5	84	0.37	0.042
1320426	Soil		1.3	17.7	9.5	52	<0.1	17.5	11.9	396	3.62	13.5	0.8	3.7	3.3	121	0.2	0.6	0.1	95	0.50	0.113
1320427	Soil		0.7	17.2	13.5	47	<0.1	14.8	16.9	527	3.66	12.8	0.4	2.3	2.4	159	0.1	0.8	0.1	89	0.58	0.127
1320423	Soil		0.9	30.8	10.2	45	<0.1	14.8	11.3	427	4.82	16.2	0.7	15.7	2.4	337	0.2	0.7	0.3	122	0.80	0.123
1320428	Soil		1.4	33.9	13.0	45	<0.1	16.7	21.8	573	4.71	15.9	0.6	14.9	2.1	160	0.2	0.9	0.2	112	0.33	0.116
1320946	Soil		1.4	17.8	17.9	63	0.3	18.2	11.3	369	3.98	17.8	0.4	4.7	1.6	46	0.5	0.5	0.5	99	0.37	0.071
1320947	Soil		1.2	18.2	13.8	50	0.3	13.9	12.7	559	3.51	17.0	0.3	2.5	1.3	38	0.5	0.4	0.3	89	0.33	0.066
1320446	Soil		0.5	11.3	16.6	55	<0.1	15.6	7.7	315	2.09	10.3	0.5	2.3	2.7	31	0.2	0.9	0.2	45	0.13	0.038
1320430	Soil		2.9	25.4	13.2	34	<0.1	11.5	25.7	611	5.73	21.3	0.4	5.8	1.2	197	0.1	0.8	0.2	130	0.58	0.195
1320421	Soil		1.4	28.6	51.9	93	0.3	21.7	17.7	543	3.59	47.4	1.0	27.9	2.0	141	0.5	0.7	0.3	91	0.62	0.171
1320429	Soil		3.1	49.5	14.0	41	0.2	14.3	15.5	337	6.19	24.8	0.9	9.3	2.3	268	<0.1	1.0	0.2	114	0.38	0.274
1320425	Soil		1.1	16.7	9.4	50	<0.1	17.5	13.6	455	3.81	13.7	0.8	4.7	2.9	117	0.3	0.7	<0.1	104	0.40	0.081
1320948	Soil		1.5	15.7	16.7	64	0.2	15.1	7.6	328	3.42	15.8	0.4	1.3	2.0	31	0.5	0.5	0.5	81	0.25	0.044



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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1320949	Soil	14	32	0.83	245	0.080	<1	2.10	0.020	0.09	0.1	0.02	5.4	0.2	<0.05	7	<0.5	<0.2
1322254	Soil	11	35	0.67	179	0.087	1	2.31	0.012	0.09	0.2	0.03	4.0	0.2	0.07	8	<0.5	<0.2
1322255	Soil	13	34	0.50	251	0.073	2	1.95	0.012	0.07	0.3	0.03	3.7	0.1	0.06	7	<0.5	<0.2
1322256	Soil	13	35	0.57	288	0.072	1	2.03	0.015	0.06	0.2	0.03	3.5	0.1	0.06	6	<0.5	<0.2
1322257	Soil	13	38	0.51	218	0.064	1	1.85	0.010	0.07	0.2	0.03	3.6	0.2	0.06	6	<0.5	<0.2
1322258	Soil	14	34	0.40	229	0.043	<1	1.65	0.007	0.05	0.3	0.03	3.4	0.2	<0.05	6	<0.5	<0.2
1322259	Soil	12	31	0.40	218	0.047	2	1.78	0.008	0.06	0.3	0.03	3.2	0.2	<0.05	6	<0.5	<0.2
1322260	Soil	10	36	0.48	268	0.048	2	2.67	0.008	0.07	0.4	0.04	4.0	0.2	<0.05	8	<0.5	<0.2
1322261	Soil	11	22	0.16	173	0.009	<1	1.83	0.006	0.07	0.1	0.08	2.6	0.3	<0.05	7	<0.5	<0.2
1320937	Soil	26	31	0.77	250	0.060	2	1.91	0.016	0.11	0.2	0.02	9.0	0.2	<0.05	5	<0.5	<0.2
1320941	Soil	13	35	0.73	206	0.052	2	2.56	0.011	0.07	0.1	0.02	4.8	0.2	<0.05	7	<0.5	<0.2
1320940	Soil	16	31	0.75	279	0.056	2	2.08	0.013	0.07	0.2	0.03	6.1	0.2	<0.05	6	<0.5	<0.2
1320938	Soil	17	27	0.91	275	0.069	2	1.97	0.026	0.07	0.2	0.03	6.4	0.1	<0.05	7	<0.5	<0.2
1320939	Soil	13	31	0.94	228	0.092	2	2.03	0.019	0.09	0.2	0.03	6.0	0.2	<0.05	7	<0.5	<0.2
1320942	Soil	20	32	0.45	303	0.009	2	2.52	0.008	0.17	0.1	0.06	7.1	0.4	<0.05	6	<0.5	<0.2
1320943	Soil	12	23	0.38	197	0.039	1	1.60	0.010	0.08	0.1	0.02	3.4	0.2	<0.05	6	<0.5	<0.2
1320944	Soil	16	26	0.71	251	0.046	1	1.99	0.012	0.13	0.1	0.02	5.6	0.2	<0.05	7	<0.5	<0.2
1320945	Soil	14	27	0.65	240	0.058	1	2.02	0.015	0.08	0.1	0.03	5.5	0.2	<0.05	7	<0.5	<0.2
1320426	Soil	13	27	0.74	212	0.094	1	1.83	0.030	0.09	0.3	0.02	5.3	<0.1	<0.05	6	<0.5	<0.2
1320427	Soil	10	25	0.82	171	0.084	1	2.32	0.023	0.08	0.1	0.02	5.4	0.1	<0.05	7	<0.5	0.3
1320423	Soil	12	25	0.80	285	0.041	<1	2.56	0.048	0.05	0.2	0.03	5.4	<0.1	<0.05	7	<0.5	<0.2
1320428	Soil	10	24	0.94	202	0.082	1	2.47	0.043	0.14	0.2	0.05	6.5	0.1	0.18	7	0.9	0.2
1320946	Soil	9	28	0.80	211	0.077	1	2.59	0.016	0.16	0.1	0.04	4.8	0.2	<0.05	8	<0.5	<0.2
1320947	Soil	8	23	0.68	239	0.089	1	1.75	0.020	0.20	0.1	0.03	4.5	0.3	<0.05	8	<0.5	<0.2
1320446	Soil	11	22	0.41	198	0.042	<1	1.35	0.009	0.07	0.2	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2
1320430	Soil	11	31	1.45	162	0.064	<1	3.28	0.060	0.16	<0.1	0.05	11.9	0.2	0.29	10	0.9	0.7
1320421	Soil	11	25	0.69	187	0.086	2	3.25	0.033	0.06	0.2	0.10	3.2	<0.1	0.06	8	0.5	0.4
1320429	Soil	12	30	0.93	195	0.095	1	3.10	0.089	0.27	0.2	0.07	9.1	0.2	0.53	8	1.4	0.6
1320425	Soil	13	27	0.76	186	0.103	1	2.03	0.029	0.08	0.2	0.03	5.0	<0.1	<0.05	6	<0.5	0.2
1320948	Soil	9	25	0.61	171	0.078	1	1.97	0.014	0.17	0.1	0.03	4.2	0.2	<0.05	8	<0.5	<0.2

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1320424	Soil	1.1	11.6	13.5	48	<0.1	15.9	13.3	636	3.61	17.2	0.6	6.9	2.7	542	0.2	0.6	0.1	112	0.74	0.095
1321323	Soil	1.4	22.4	16.8	53	0.1	16.8	9.4	317	2.79	6.2	0.9	10.2	3.2	47	0.2	0.3	0.3	83	0.35	0.094
1321494	Soil	1.4	55.1	33.8	80	0.4	6.4	7.1	1590	5.57	41.4	0.3	39.2	1.5	246	0.3	0.5	1.3	151	1.26	0.176
1321487	Soil	1.2	7.4	64.1	95	0.2	7.8	16.7	465	4.27	33.6	0.5	37.6	2.3	59	0.5	1.3	0.3	94	1.17	0.173
1321486	Soil	1.1	15.5	16.2	39	0.2	9.3	7.4	786	2.39	6.2	0.5	1.0	0.6	24	0.2	0.3	0.2	59	0.22	0.064
1321321	Soil	0.8	17.6	15.7	35	0.3	10.0	5.0	241	2.00	5.2	0.7	1.8	0.2	33	0.1	0.3	0.2	50	0.33	0.086
1321489	Soil	1.6	12.2	37.7	69	0.2	8.3	33.6	932	3.62	171.3	0.8	245.9	2.6	39	0.3	0.7	0.6	58	0.97	0.135
1321498	Soil	1.3	39.4	13.9	60	0.1	15.3	24.5	495	3.89	15.8	0.6	18.7	2.6	87	0.2	0.6	1.0	107	0.66	0.154
1321495	Soil	0.5	10.3	18.9	66	<0.1	14.2	8.7	1055	3.65	7.7	0.4	3.0	2.2	255	0.1	0.4	0.1	92	0.93	0.128
1321335	Soil	0.8	13.8	12.0	55	<0.1	21.9	15.4	562	3.68	17.4	0.5	12.2	3.3	43	0.1	0.5	0.2	93	0.39	0.061
1321492	Soil	1.3	7.3	11.6	51	<0.1	9.3	13.4	598	4.65	17.3	0.5	7.9	1.8	183	0.1	0.4	0.2	106	1.01	0.152
1321353	Soil	1.2	13.9	22.3	64	<0.1	17.8	8.9	324	3.27	15.4	0.4	113.7	2.4	27	0.4	0.6	0.4	74	0.18	0.098
1321322	Soil	1.2	18.3	22.2	46	0.3	12.4	6.4	272	3.20	7.4	0.6	2.1	1.9	22	0.3	0.5	0.5	82	0.21	0.047
1321357	Soil	1.1	16.8	15.7	50	0.2	19.0	8.1	267	2.75	11.5	0.5	3.0	2.4	28	0.2	0.5	0.3	65	0.19	0.049
1321500	Soil	0.7	20.9	13.2	65	0.1	19.6	9.8	364	3.12	7.7	0.7	4.2	3.3	61	0.2	0.5	0.3	74	0.53	0.112
1321354	Soil	1.4	19.8	30.7	60	0.2	19.0	10.6	494	3.28	18.0	0.7	4.4	1.8	61	0.3	0.5	0.7	74	0.36	0.106
1321499	Soil	0.9	13.3	11.8	59	<0.1	15.8	12.2	376	3.58	8.7	0.6	3.1	1.8	36	<0.1	0.5	0.6	88	0.36	0.101
1321490	Soil	1.5	42.4	209.5	263	0.5	5.5	108.3	491	4.06	1956	0.9	517.6	2.8	39	2.0	1.5	10.0	56	1.09	0.145
1321497	Soil	0.7	14.7	10.7	48	<0.1	15.6	8.8	354	2.88	9.4	0.6	23.3	1.3	41	<0.1	0.5	0.2	73	0.33	0.076
1321352	Soil	1.0	11.4	20.8	52	0.1	6.4	4.5	291	1.67	5.3	0.3	1.2	0.6	30	0.7	0.3	0.2	41	0.20	0.061
1321355	Soil	1.5	19.0	22.7	62	0.3	13.4	7.3	405	2.99	8.7	0.6	2.3	0.6	16	0.7	0.6	0.3	79	0.12	0.078
1321336	Soil	2.0	8.8	86.8	89	<0.1	14.7	24.4	984	5.53	18.6	0.4	7.9	1.5	73	0.1	0.7	<0.1	134	0.99	0.219
1321358	Soil	1.4	13.6	18.9	54	0.2	11.6	6.1	242	2.62	6.7	0.5	6.7	1.4	58	0.5	0.6	0.3	76	0.26	0.078
1321337	Soil	0.7	36.2	13.4	61	0.1	10.3	28.2	443	4.28	61.2	0.5	32.7	2.4	83	<0.1	0.4	0.7	109	0.84	0.135
1321493	Soil	2.3	90.8	46.2	63	0.3	7.6	22.3	855	4.60	38.4	0.4	97.1	1.0	297	0.1	0.5	11.7	155	1.06	0.238
1321350	Soil	1.5	26.1	17.4	48	0.1	16.4	10.0	256	3.08	7.0	1.3	9.3	5.1	52	0.2	0.4	0.4	86	0.20	0.062
1321496	Soil	0.5	10.2	11.2	65	<0.1	9.7	8.6	564	4.41	7.0	0.3	4.3	1.5	242	<0.1	0.4	0.5	128	1.01	0.109
1320479	Soil	1.0	11.3	13.8	32	0.2	7.1	4.4	296	1.66	4.8	0.3	3.3	0.6	11	0.4	0.3	0.2	43	0.10	0.049
1321491	Soil	1.1	7.1	10.3	36	<0.1	4.8	12.3	264	2.41	11.6	0.6	30.6	0.4	39	<0.1	0.2	0.3	56	0.50	0.114
1320457	Soil	1.2	11.8	10.5	44	0.2	13.0	11.1	1375	3.53	49.5	0.4	3.5	0.5	33	0.2	0.4	60.6	88	0.52	0.153

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1320424	Soil	12	23	0.99	233	0.080	<1	2.66	0.046	0.09	0.2	0.03	5.5	<0.1	<0.05	7	<0.5	0.3
1321323	Soil	10	31	0.63	169	0.093	1	1.76	0.014	0.11	0.2	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
1321494	Soil	23	15	1.46	224	0.088	<1	3.62	0.030	0.50	0.1	0.03	16.9	0.8	<0.05	12	<0.5	<0.2
1321487	Soil	19	16	1.12	329	0.026	2	2.25	0.013	0.09	0.1	0.05	9.4	0.1	<0.05	7	<0.5	<0.2
1321486	Soil	8	19	0.35	145	0.044	<1	1.50	0.022	0.04	<0.1	0.03	3.2	0.1	<0.05	6	<0.5	<0.2
1321321	Soil	9	18	0.36	163	0.030	<1	1.47	0.024	0.05	<0.1	0.03	2.5	0.1	<0.05	6	<0.5	<0.2
1321489	Soil	26	11	0.71	121	0.010	2	1.66	0.010	0.08	0.1	0.03	8.1	0.1	<0.05	4	<0.5	<0.2
1321498	Soil	11	34	1.30	159	0.131	<1	2.57	0.028	0.23	0.1	0.02	8.7	0.5	<0.05	9	<0.5	<0.2
1321495	Soil	11	22	1.06	223	0.034	1	2.92	0.029	0.07	<0.1	0.02	8.1	0.2	<0.05	8	<0.5	<0.2
1321335	Soil	12	33	0.90	224	0.065	2	2.44	0.012	0.05	0.2	0.02	6.1	<0.1	<0.05	8	<0.5	<0.2
1321492	Soil	14	19	1.14	276	0.056	1	2.06	0.017	0.15	0.2	0.03	10.0	0.3	<0.05	7	<0.5	<0.2
1321353	Soil	10	27	0.49	207	0.054	<1	2.10	0.009	0.07	0.2	0.02	3.5	0.1	<0.05	7	<0.5	<0.2
1321322	Soil	10	24	0.50	148	0.055	1	1.88	0.010	0.05	0.1	0.04	4.3	0.2	<0.05	7	<0.5	<0.2
1321357	Soil	10	30	0.51	204	0.054	1	2.41	0.011	0.04	0.2	0.05	3.3	0.1	<0.05	6	<0.5	<0.2
1321500	Soil	15	29	0.74	235	0.071	1	1.60	0.023	0.06	0.2	0.03	5.7	<0.1	<0.05	5	<0.5	<0.2
1321354	Soil	12	28	0.63	326	0.049	1	2.33	0.014	0.07	0.2	0.03	3.9	0.1	<0.05	7	<0.5	<0.2
1321499	Soil	11	26	0.84	171	0.068	1	2.38	0.013	0.05	0.1	0.01	5.7	0.2	<0.05	8	<0.5	<0.2
1321490	Soil	21	8	0.59	75	0.004	1	1.45	0.008	0.10	<0.1	0.03	8.4	0.1	<0.05	4	<0.5	<0.2
1321497	Soil	10	25	0.59	117	0.060	<1	1.80	0.012	0.06	0.2	0.03	3.7	0.2	<0.05	6	<0.5	<0.2
1321352	Soil	6	12	0.16	193	0.041	<1	0.88	0.016	0.06	<0.1	0.01	1.3	<0.1	<0.05	5	<0.5	<0.2
1321355	Soil	9	26	0.28	192	0.051	<1	2.11	0.009	0.04	0.1	0.07	2.3	0.1	<0.05	9	<0.5	<0.2
1321336	Soil	7	35	1.60	181	0.029	1	3.02	0.010	0.03	0.1	<0.01	12.1	<0.1	<0.05	11	<0.5	<0.2
1321358	Soil	11	22	0.32	178	0.061	<1	1.55	0.011	0.05	0.1	0.04	2.3	0.2	<0.05	7	<0.5	<0.2
1321337	Soil	15	19	1.33	230	0.069	2	2.55	0.014	0.22	<0.1	0.01	8.3	0.3	<0.05	8	<0.5	<0.2
1321493	Soil	11	17	1.41	184	0.092	<1	2.67	0.035	0.23	0.2	0.03	10.1	0.6	<0.05	10	<0.5	<0.2
1321350	Soil	13	32	0.64	154	0.112	<1	1.94	0.026	0.06	0.2	0.02	4.1	0.1	<0.05	6	<0.5	0.2
1321496	Soil	7	21	1.15	198	0.047	<1	3.98	0.039	0.08	<0.1	0.02	8.3	0.3	<0.05	10	<0.5	<0.2
1320479	Soil	6	14	0.21	127	0.049	<1	0.91	0.016	0.04	<0.1	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
1321491	Soil	10	11	0.35	171	0.012	<1	1.45	0.020	0.04	<0.1	0.03	4.2	0.2	<0.05	5	<0.5	<0.2
1320457	Soil	13	25	0.57	111	0.023	1	1.66	0.011	0.06	0.1	0.07	3.9	0.1	<0.05	8	<0.5	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1320455	Soil	0.8	14.2	40.2	86	<0.1	14.9	14.9	564	3.99	27.6	0.5	15.0	2.6	69	0.1	0.5	2.1	109	0.53	0.097
1320475	Soil	1.0	14.9	16.3	47	0.3	10.6	7.9	565	2.42	5.8	0.4	0.9	1.8	30	0.5	0.4	0.3	64	0.22	0.059
1320473	Soil	0.9	17.9	15.1	47	0.2	16.9	8.8	435	2.36	8.8	0.7	18.1	2.1	53	0.4	0.5	0.2	59	0.30	0.078
1320471	Soil	0.9	9.8	12.4	49	0.2	11.0	5.8	198	2.25	6.2	0.3	1.7	1.2	31	0.3	0.4	0.2	63	0.22	0.033
1320477	Soil	0.9	14.5	16.2	49	0.1	16.5	8.0	471	2.48	9.9	0.5	2.6	2.0	28	0.3	0.5	0.2	58	0.21	0.062
1320470	Soil	1.0	17.6	28.9	59	0.1	17.6	9.3	414	2.87	8.7	0.6	3.7	2.0	38	0.2	0.5	0.2	67	0.32	0.087
1321356	Soil	1.4	19.2	17.9	52	0.1	20.7	9.9	589	2.78	11.7	0.7	1.9	1.3	34	0.4	0.6	0.2	65	0.27	0.105
1320462	Soil	1.0	15.5	16.7	38	0.3	10.1	7.7	452	1.93	10.6	0.3	4.1	0.2	78	0.4	0.3	0.2	57	1.04	0.075
1320474	Soil	1.4	10.9	14.9	52	0.1	12.0	7.0	302	2.73	11.4	0.4	4.3	2.2	23	0.7	0.4	0.3	71	0.17	0.052
1320472	Soil	1.1	15.2	26.4	60	0.2	17.3	9.9	424	3.14	11.2	0.6	221.9	2.3	99	0.3	0.5	0.3	76	0.43	0.112
1320468	Soil	0.9	18.4	16.5	60	<0.1	20.1	8.4	338	2.60	8.5	0.8	1.3	2.3	43	<0.1	0.5	0.2	65	0.43	0.088
1320478	Soil	1.1	13.2	18.2	49	0.2	15.7	8.1	314	2.65	9.5	0.5	2.7	1.7	31	0.5	0.5	0.2	68	0.25	0.050
1320480	Soil	1.1	21.1	19.8	57	0.3	14.4	5.9	386	2.06	7.4	0.8	1.8	0.2	42	1.0	0.4	0.3	48	0.20	0.066
1320469	Soil	0.5	11.5	7.8	22	0.2	7.1	3.3	147	1.29	3.0	0.4	1.1	0.2	21	0.3	0.2	0.1	31	0.16	0.045
1321488	Soil	1.5	6.2	84.4	136	<0.1	10.8	10.3	645	3.24	65.7	0.5	18.4	2.8	77	0.6	2.6	0.7	58	0.51	0.089
1320464	Soil	0.9	17.0	9.9	53	<0.1	18.6	9.6	426	2.67	8.2	0.6	12.1	2.8	52	0.1	0.5	0.2	69	0.42	0.074
1320465	Soil	1.1	15.6	16.3	52	0.2	13.9	10.5	810	3.01	11.5	0.5	4.1	1.4	48	0.3	0.4	0.4	76	0.36	0.095
1320456	Soil	0.4	9.9	15.0	50	<0.1	11.9	26.9	939	4.00	83.8	0.3	26.4	1.6	309	0.2	0.3	2.0	113	0.77	0.126
1320476	Soil	1.5	12.7	18.1	57	0.3	15.3	10.4	496	3.01	12.5	0.4	4.8	2.0	28	0.5	0.4	0.3	78	0.22	0.066
1320463	Soil	0.8	20.9	11.5	58	0.1	20.1	9.1	460	2.97	11.7	0.5	4.6	2.2	58	0.2	0.5	0.4	76	0.61	0.111
1320466	Soil	1.1	27.2	14.2	62	0.2	19.2	10.8	444	3.40	15.0	0.6	212.5	2.1	39	0.2	0.6	0.3	86	0.44	0.097
1320467	Soil	1.0	21.4	37.4	71	0.2	21.3	11.0	472	3.36	13.0	0.6	6.9	2.5	35	0.1	0.5	0.4	85	0.43	0.088
1320452	Soil	1.7	25.2	28.8	133	0.3	7.6	10.7	865	3.23	31.0	0.3	1.4	0.9	31	0.9	0.7	1.3	97	0.38	0.071
1320460	Soil	0.6	4.6	3.7	31	<0.1	6.2	9.9	696	4.10	10.5	0.4	2.0	2.4	58	<0.1	0.4	0.1	85	1.16	0.204
1320481	Soil	1.4	27.4	18.1	49	0.2	17.5	10.6	220	2.52	6.3	1.4	4.0	1.6	100	0.2	0.3	0.3	71	0.54	0.079
1320450	Soil	1.9	54.2	16.8	69	0.1	11.8	9.9	541	4.20	28.3	0.4	23.9	1.8	30	0.1	0.8	0.8	110	0.35	0.052
1320454	Soil	0.7	93.1	16.0	63	0.2	16.5	19.2	597	4.26	19.6	0.4	12.4	1.9	63	0.3	0.5	1.7	111	0.67	0.127
1320461	Soil	1.2	22.5	12.3	58	<0.1	20.0	12.3	583	3.63	16.6	0.6	19.4	2.0	42	0.1	0.6	0.3	94	0.47	0.099
1320459	Soil	1.1	9.9	11.9	47	0.1	9.5	13.7	721	4.08	7.7	0.3	4.6	0.4	69	0.2	0.3	0.2	104	0.86	0.116
1320453	Soil	1.1	18.5	14.8	44	0.1	10.9	7.0	234	3.02	20.5	0.3	2.0	1.0	48	0.3	0.5	0.7	87	0.22	0.046

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1320455	Soil	12	26	1.11	189	0.092	1	2.31	0.014	0.06	0.2	0.02	6.5	0.1	<0.05	8	<0.5	<0.2
1320475	Soil	9	22	0.27	219	0.059	<1	1.48	0.011	0.05	0.1	0.03	2.7	0.1	<0.05	7	<0.5	<0.2
1320473	Soil	14	26	0.45	232	0.068	1	1.82	0.016	0.07	0.2	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
1320471	Soil	9	21	0.31	206	0.057	<1	1.41	0.011	0.04	<0.1	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
1320477	Soil	11	25	0.42	228	0.057	1	1.74	0.011	0.06	0.2	0.03	2.9	<0.1	<0.05	5	<0.5	<0.2
1320470	Soil	12	28	0.62	218	0.058	1	1.91	0.013	0.05	0.1	0.02	4.2	0.1	<0.05	6	<0.5	<0.2
1321356	Soil	12	30	0.52	300	0.049	2	2.21	0.012	0.06	0.1	0.09	3.1	0.1	<0.05	6	<0.5	<0.2
1320462	Soil	6	16	0.39	173	0.041	1	1.25	0.014	0.06	0.1	0.04	2.0	0.2	0.07	5	<0.5	<0.2
1320474	Soil	9	24	0.33	222	0.066	<1	1.66	0.012	0.05	0.1	0.02	2.6	0.1	<0.05	7	<0.5	<0.2
1320472	Soil	12	29	0.52	237	0.073	<1	2.21	0.016	0.07	0.2	0.05	3.6	<0.1	<0.05	7	<0.5	<0.2
1320468	Soil	14	30	0.66	279	0.058	1	1.83	0.015	0.06	0.2	0.03	4.7	<0.1	<0.05	5	<0.5	<0.2
1320478	Soil	11	26	0.45	220	0.061	1	1.79	0.014	0.06	0.1	0.03	2.9	0.1	<0.05	6	<0.5	<0.2
1320480	Soil	12	21	0.29	232	0.020	<1	1.50	0.015	0.06	<0.1	0.03	1.1	<0.1	<0.05	5	<0.5	<0.2
1320469	Soil	6	12	0.22	101	0.032	<1	0.77	0.020	0.03	<0.1	0.03	1.2	<0.1	<0.05	3	<0.5	<0.2
1321488	Soil	19	17	0.66	403	0.013	2	1.98	0.012	0.09	<0.1	0.04	4.4	0.2	<0.05	6	<0.5	<0.2
1320464	Soil	12	28	0.58	232	0.079	1	1.62	0.017	0.06	0.2	0.01	4.1	0.1	<0.05	6	<0.5	<0.2
1320465	Soil	10	25	0.47	280	0.066	2	1.78	0.014	0.07	0.2	0.07	3.3	0.1	<0.05	7	<0.5	<0.2
1320456	Soil	12	22	1.31	411	0.068	<1	2.95	0.019	0.13	<0.1	0.03	10.1	0.2	<0.05	9	<0.5	<0.2
1320476	Soil	10	28	0.42	248	0.052	<1	2.05	0.010	0.06	0.2	0.02	3.2	0.2	<0.05	8	<0.5	<0.2
1320463	Soil	13	30	0.61	270	0.060	1	1.95	0.018	0.07	0.2	0.03	5.0	0.1	<0.05	6	<0.5	<0.2
1320466	Soil	11	31	0.78	253	0.079	1	2.19	0.015	0.09	0.2	0.04	5.4	0.2	0.05	7	<0.5	<0.2
1320467	Soil	12	34	0.75	250	0.073	1	2.19	0.017	0.07	0.2	0.03	5.4	0.1	<0.05	7	<0.5	<0.2
1320452	Soil	10	19	0.44	151	0.031	2	1.65	0.019	0.06	0.1	0.02	4.3	0.2	<0.05	8	<0.5	<0.2
1320460	Soil	21	13	1.31	149	0.010	<1	2.50	0.013	0.11	<0.1	0.03	12.4	0.3	<0.05	7	<0.5	<0.2
1320481	Soil	14	28	0.61	309	0.068	<1	1.96	0.032	0.05	0.2	0.03	3.4	0.2	0.07	6	<0.5	<0.2
1320450	Soil	14	25	0.65	165	0.031	1	2.29	0.015	0.05	0.1	0.02	6.0	0.2	<0.05	9	<0.5	<0.2
1320454	Soil	14	27	1.27	242	0.075	1	2.33	0.017	0.15	0.2	0.03	7.7	0.3	<0.05	8	<0.5	<0.2
1320461	Soil	12	32	0.89	218	0.074	<1	2.24	0.021	0.07	0.2	0.03	6.0	0.3	<0.05	8	<0.5	<0.2
1320459	Soil	9	18	0.92	229	0.068	<1	1.97	0.017	0.12	0.1	0.08	5.5	0.3	0.12	8	<0.5	<0.2
1320453	Soil	7	21	0.38	102	0.088	<1	1.43	0.017	0.05	0.2	0.04	3.0	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	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1320458	Soil		0.7	1.1	0.9	7	<0.1	2.6	80.0	1361	3.40	685.4	0.2	64.9	1.1	71	<0.1	0.3	0.6	29	8.01	0.126
1320451	Soil		2.3	23.8	2.1	41	0.3	23.6	10.4	391	2.38	5.3	0.2	1.6	0.8	37	0.2	0.8	<0.1	62	0.83	0.058
1321316	Soil		1.0	29.9	88.3	65	0.9	24.0	14.1	1756	4.32	28.7	0.7	17.5	2.9	65	0.4	7.2	4.4	92	0.39	0.116
1321315	Soil		1.5	23.9	15.0	69	<0.1	32.4	14.9	552	3.57	16.3	0.5	4.4	2.9	133	0.1	0.8	0.3	85	0.30	0.040
1321274	Soil		1.2	14.3	326.7	71	1.0	13.7	17.1	1482	7.12	27.8	0.7	17.9	1.9	402	0.9	2.0	2.3	133	0.66	0.140
1321325	Soil		1.3	9.0	25.6	49	0.3	10.3	13.7	815	5.77	29.6	0.6	8.5	1.8	824	0.4	0.8	0.7	133	1.23	0.162
1321324	Soil		1.3	8.5	25.9	48	0.3	10.1	13.8	805	5.88	29.3	0.6	11.7	1.7	853	0.3	0.7	0.6	143	1.20	0.173
1321314	Soil		1.4	7.7	20.4	40	0.2	10.6	20.6	1149	5.07	18.0	0.4	10.6	2.1	729	0.3	0.7	0.3	151	1.28	0.138
1321275	Soil		1.3	15.3	399.4	77	1.2	13.7	18.5	1756	7.81	27.5	0.8	18.7	2.1	432	0.8	2.2	2.5	144	0.76	0.152
1321351	Soil		2.8	27.0	1.7	46	0.3	26.3	11.8	448	2.66	5.7	0.3	0.9	0.9	38	0.2	0.3	<0.1	72	0.94	0.066
1321318	Soil		3.5	20.1	28.7	64	0.2	23.7	20.1	1292	4.44	24.5	1.1	8.7	0.8	108	0.5	1.1	0.4	101	0.39	0.175
1321319	Soil		6.4	45.2	356.0	136	3.6	18.4	31.7	1179	6.84	57.4	1.1	94.7	2.3	224	1.4	9.4	1.4	133	0.73	0.194
1321317	Soil		2.9	30.3	17.8	58	0.1	23.2	18.9	1123	4.13	19.1	0.7	4.4	0.8	353	0.4	1.0	0.2	107	0.62	0.204
1321344	Soil		1.4	22.2	18.5	44	0.1	14.8	9.9	443	3.06	53.0	0.8	8.4	1.1	31	0.4	1.8	0.3	63	0.24	0.100
1321347	Soil		1.4	22.6	16.0	57	0.3	17.4	12.5	438	2.89	55.5	1.7	4.1	1.4	38	0.1	2.9	0.5	58	0.25	0.103
1321320	Soil		6.1	20.2	423.6	219	1.5	17.7	28.3	1303	7.52	62.4	0.8	109.4	1.8	197	1.6	4.4	1.0	164	0.76	0.193
1321348	Soil		1.8	87.4	88.7	53	0.8	19.5	28.3	1180	2.91	42.4	4.3	5.5	0.7	54	0.1	3.0	0.5	54	0.85	0.191
1321349	Soil		1.7	12.8	77.2	60	0.3	16.9	13.8	586	2.67	55.2	0.7	4.6	1.8	24	0.2	3.7	0.3	63	0.23	0.064
1321342	Soil		3.6	36.8	102.6	93	1.1	15.5	16.2	609	4.53	81.6	1.1	34.5	2.1	68	0.4	4.7	0.8	87	0.53	0.119
1321345	Soil		2.7	20.8	14.1	55	0.1	19.8	12.4	401	3.77	51.1	1.0	6.4	0.9	25	0.3	2.1	0.3	87	0.18	0.089
1321338	Soil		7.9	33.6	252.2	81	0.4	20.5	37.3	1197	7.71	61.7	1.0	59.0	2.2	224	0.8	6.1	4.3	157	0.74	0.235
1321340	Soil		3.8	26.6	80.4	91	0.8	18.9	22.3	904	5.87	87.4	0.9	25.7	0.5	60	0.4	2.2	0.7	110	0.45	0.126
1321330	Soil		0.9	14.3	13.0	60	0.1	18.3	10.7	322	2.58	13.0	0.6	4.2	2.5	21	0.1	1.3	0.3	62	0.25	0.044
1321331	Soil		1.4	29.4	13.3	76	0.3	22.2	14.2	694	3.51	15.8	1.4	4.0	2.7	39	0.3	1.1	0.4	85	0.49	0.069
1321328	Soil		1.0	14.7	12.4	53	<0.1	16.4	10.5	594	2.46	13.8	0.6	3.3	2.4	13	0.2	0.9	0.3	57	0.13	0.048
1321332	Soil		0.9	14.6	14.3	42	0.1	11.5	6.0	213	2.16	8.7	0.4	0.7	1.7	11	0.2	0.4	0.4	62	0.10	0.033
1321333	Soil		0.9	19.4	9.4	62	<0.1	20.4	12.5	481	2.79	9.6	0.7	2.5	4.6	12	0.2	0.5	0.3	61	0.16	0.036
1320199	Soil		2.3	51.2	17.8	52	0.2	21.5	18.7	523	3.90	75.0	0.5	103.1	1.2	90	0.2	1.3	2.3	103	0.29	0.084
1320202	Soil		1.1	43.5	16.2	45	0.2	14.9	26.2	508	5.42	29.6	0.5	30.3	1.0	263	0.3	0.8	2.3	131	0.52	0.125
1321329	Soil		1.0	13.9	29.1	46	<0.1	13.5	10.7	348	3.29	14.3	0.8	5.5	2.1	7	0.2	1.0	0.6	68	0.08	0.041

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			La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
			ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm		
			1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	
1320458	Soil		24	2	0.62	60	0.001	<1	0.94	0.004	0.16	<0.1	0.01	9.2	0.1	<0.05	2	<0.5	<0.2
1320451	Soil		4	31	0.75	95	0.116	2	1.46	0.097	0.12	14.6	0.01	4.8	<0.1	<0.05	5	<0.5	<0.2
1321316	Soil		17	36	0.74	701	0.057	2	2.14	0.024	0.05	0.3	0.05	5.7	0.2	0.08	5	0.6	0.8
1321315	Soil		12	42	0.78	197	0.099	2	2.54	0.024	0.06	0.2	0.03	5.3	0.1	<0.05	6	<0.5	<0.2
1321274	Soil		12	44	0.80	373	0.016	<1	2.49	0.051	0.11	0.3	0.06	6.8	0.2	0.36	6	1.3	1.1
1321325	Soil		11	40	1.12	401	0.015	<1	3.23	0.071	0.05	<0.1	0.06	6.7	0.1	0.22	8	1.3	0.8
1321324	Soil		11	43	1.09	413	0.017	<1	3.09	0.070	0.05	<0.1	0.05	6.8	0.1	0.20	8	1.3	0.9
1321314	Soil		12	40	0.96	290	0.025	<1	3.23	0.053	0.05	0.1	0.03	5.2	<0.1	0.09	8	<0.5	0.4
1321275	Soil		13	48	0.80	405	0.021	<1	2.39	0.054	0.12	0.3	0.05	7.5	0.3	0.41	6	1.4	1.2
1321351	Soil		4	36	0.87	104	0.139	2	1.69	0.095	0.13	15.7	0.01	5.3	<0.1	0.09	6	<0.5	<0.2
1321318	Soil		14	42	0.86	304	0.043	1	2.39	0.025	0.07	0.2	0.11	3.6	0.2	0.18	8	0.8	0.5
1321319	Soil		18	44	1.00	500	0.070	<1	2.03	0.048	0.13	0.2	0.08	8.0	0.2	0.25	7	0.9	1.2
1321317	Soil		13	48	0.97	333	0.059	2	3.01	0.028	0.10	0.2	0.16	4.7	0.2	0.13	8	<0.5	0.3
1321344	Soil		13	26	0.51	168	0.040	<1	1.31	0.034	0.12	0.3	0.10	2.3	0.1	0.30	5	<0.5	0.2
1321347	Soil		17	31	0.47	359	0.032	<1	1.74	0.015	0.07	0.2	0.14	3.4	0.2	0.18	6	0.5	0.2
1321320	Soil		17	52	1.20	434	0.061	<1	2.49	0.037	0.15	0.3	0.07	8.5	0.3	0.23	9	<0.5	1.0
1321348	Soil		26	26	0.33	530	0.016	2	1.78	0.013	0.07	0.3	0.27	2.6	0.3	0.29	5	0.7	0.2
1321349	Soil		12	29	0.47	181	0.057	1	1.33	0.013	0.07	0.3	0.11	2.8	0.2	0.11	5	<0.5	<0.2
1321342	Soil		12	33	0.90	942	0.052	<1	2.26	0.042	0.30	0.2	0.10	6.6	0.5	0.50	8	1.1	0.7
1321345	Soil		15	36	0.59	269	0.037	<1	2.25	0.013	0.07	0.3	0.11	3.7	0.3	0.12	8	<0.5	0.2
1321338	Soil		18	52	1.14	341	0.072	<1	2.26	0.040	0.13	0.3	0.05	7.9	0.2	0.19	8	1.1	1.4
1321340	Soil		11	38	1.17	1010	0.035	2	3.11	0.022	0.23	0.2	0.09	4.0	0.3	0.50	11	1.0	0.7
1321330	Soil		12	32	0.65	253	0.080	1	1.51	0.014	0.09	0.3	0.06	3.4	0.1	0.07	6	<0.5	<0.2
1321331	Soil		19	38	0.85	700	0.084	2	2.10	0.018	0.16	0.4	0.07	5.6	0.2	0.11	7	<0.5	<0.2
1321328	Soil		10	27	0.47	159	0.037	<1	1.47	0.008	0.05	0.3	0.04	2.6	0.1	<0.05	6	<0.5	<0.2
1321332	Soil		8	21	0.43	166	0.062	2	1.06	0.007	0.10	0.5	0.03	2.6	0.1	<0.05	6	<0.5	<0.2
1321333	Soil		12	30	0.63	222	0.066	1	1.92	0.009	0.08	0.3	0.01	3.8	0.1	<0.05	5	<0.5	<0.2
1320199	Soil		8	42	1.07	180	0.054	2	2.33	0.019	0.06	0.3	0.04	5.3	0.2	0.07	7	<0.5	0.2
1320202	Soil		10	36	1.36	172	0.071	1	2.68	0.042	0.12	0.7	0.04	8.3	0.2	0.22	8	1.3	0.8
1321329	Soil		9	23	0.48	156	0.030	1	1.77	0.006	0.05	0.3	0.03	3.1	0.2	<0.05	7	<0.5	0.2



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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1320193	Soil	0.8	22.4	9.4	44	0.2	13.3	10.1	697	1.73	4.4	0.4	6.2	0.1	97	0.3	0.3	0.3	45	0.78	0.199
1321343	Soil	1.5	38.6	39.0	61	0.6	17.5	10.6	266	3.50	132.8	1.5	13.8	8.9	35	0.2	4.1	0.6	37	0.17	0.103
1320198	Soil	1.2	61.1	18.3	58	0.2	23.0	26.8	770	3.90	35.7	0.6	10.0	1.4	215	0.3	0.5	0.8	106	0.57	0.120
1320190	Soil	2.0	21.1	20.7	44	0.2	18.2	11.9	246	3.26	18.1	0.9	19.0	0.6	82	0.3	0.6	0.7	78	0.20	0.095
1320213	Soil	1.1	21.0	11.9	57	0.1	20.2	7.9	316	2.35	13.2	0.8	3.3	1.2	23	0.3	0.6	0.2	55	0.31	0.062
1320212	Soil	2.0	23.1	13.8	47	0.2	19.7	8.8	375	2.65	26.0	1.0	4.3	1.1	19	0.2	1.0	0.2	60	0.24	0.080
1321326	Soil	0.8	12.1	13.5	53	0.2	15.7	7.7	320	2.05	15.9	0.8	2.2	2.2	20	0.1	1.1	0.2	47	0.21	0.046
1320211	Soil	1.9	24.6	14.4	54	0.2	18.4	9.4	449	2.71	115.3	1.0	7.5	1.5	23	0.2	2.6	0.5	58	0.24	0.073
1321339	Soil	2.5	17.2	36.5	64	0.3	14.2	26.3	871	4.41	36.6	1.1	15.0	2.4	83	0.6	0.8	0.5	97	0.68	0.161
1321346	Soil	1.0	15.4	9.6	44	0.2	14.7	7.1	247	2.36	52.2	1.0	7.9	2.3	21	0.2	2.2	0.3	50	0.21	0.072
1320210	Soil	1.6	21.6	12.5	40	0.2	11.5	7.8	335	2.24	27.4	0.6	2.1	1.2	19	0.5	0.8	0.2	53	0.19	0.043
1320207	Soil	2.0	35.8	26.3	51	0.2	22.4	10.5	718	2.54	31.5	0.9	4.2	0.7	44	0.3	1.5	0.6	58	0.54	0.124
1320209	Soil	1.6	26.8	15.2	71	0.2	19.7	11.0	616	3.03	51.9	0.9	3.4	1.2	39	0.4	1.5	0.2	60	0.41	0.079
1321327	Soil	0.8	14.6	9.3	56	0.1	17.9	12.4	376	2.72	17.6	0.6	3.6	2.3	14	0.1	0.8	0.3	60	0.16	0.053
1320208	Soil	1.8	41.8	22.8	65	0.1	29.8	13.4	543	3.43	47.4	1.1	10.6	2.9	23	0.4	1.8	0.2	61	0.25	0.093
1320200	Soil	2.3	168.5	27.4	43	0.9	14.6	115.0	1048	2.37	22.9	0.6	74.4	0.1	101	1.3	0.6	1.1	62	0.69	0.245
1320197	Soil	1.1	40.1	17.3	58	0.1	18.6	33.6	716	5.02	58.7	0.4	10.2	1.7	153	0.2	1.3	0.3	135	0.83	0.173
1320196	Soil	1.3	52.6	15.3	52	0.2	17.9	22.5	643	3.95	40.3	0.5	23.6	0.8	80	0.4	0.7	0.3	117	0.47	0.116
1321334	Soil	1.0	17.3	10.9	41	0.2	13.6	5.9	171	2.40	7.2	0.5	1.5	2.4	14	0.2	0.4	0.2	65	0.13	0.028
1320191	Soil	1.4	20.7	18.9	55	0.1	20.8	19.3	443	3.53	15.8	0.7	7.2	1.8	116	0.2	0.6	0.3	93	0.32	0.077
1321341	Soil	3.9	35.1	98.7	127	1.3	12.5	4.8	187	2.66	53.4	0.7	7.6	2.5	33	0.5	4.6	0.6	49	0.09	0.056
1320205	Soil	2.1	24.3	43.8	64	0.3	16.5	7.0	538	2.60	18.4	0.9	2.7	0.1	22	0.6	1.6	0.2	63	0.26	0.153
1320204	Soil	0.6	41.8	31.2	61	<0.1	16.8	14.5	708	3.94	9.9	0.4	41.2	1.5	233	1.0	0.4	0.2	109	1.07	0.154
1320203	Soil	1.0	27.7	12.8	80	0.2	16.0	11.3	556	3.36	10.0	0.6	40.7	0.2	88	0.5	0.6	0.3	98	0.56	0.153
1320194	Soil	1.2	26.0	12.1	57	<0.1	25.3	13.2	477	3.63	15.0	0.9	7.8	1.2	44	0.3	0.6	0.2	92	0.24	0.067
1320215	Soil	1.0	25.8	11.4	54	0.1	21.3	8.6	352	2.54	12.0	0.9	4.2	1.9	16	0.2	0.7	0.4	60	0.22	0.063
1320217	Soil	0.7	47.7	18.7	57	0.4	18.2	9.6	307	2.47	16.7	1.3	5.3	0.9	15	0.3	0.7	0.9	62	0.17	0.051
1320201	Soil	2.4	24.8	2.2	41	0.3	23.7	10.2	393	2.35	5.0	0.2	2.9	0.8	36	0.2	0.2	<0.1	62	0.80	0.058
1320195	Soil	1.9	80.5	20.3	50	0.4	18.3	35.6	803	4.13	46.2	0.6	19.1	1.0	289	0.5	0.6	0.8	118	1.07	0.130
1320206	Soil	1.5	59.1	21.3	75	0.2	25.4	15.4	1434	3.12	13.3	1.0	6.2	0.8	77	0.5	1.4	0.1	78	0.84	0.150

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1320193	Soil	4	19	0.32	517	0.014	2	1.34	0.012	0.04	<0.1	0.11	0.9	0.1	0.26	4	<0.5	<0.2
1321343	Soil	22	21	0.43	253	0.029	1	1.17	0.060	0.27	0.3	0.08	2.4	0.3	0.50	4	0.8	0.6
1320198	Soil	10	41	1.18	287	0.051	1	2.42	0.023	0.06	0.1	0.04	6.7	0.2	<0.05	7	<0.5	<0.2
1320190	Soil	11	30	0.49	142	0.039	1	2.61	0.019	0.04	0.3	0.09	2.2	<0.1	0.11	6	0.9	0.2
1320213	Soil	12	27	0.50	357	0.034	2	1.58	0.011	0.06	0.2	0.04	3.0	0.1	<0.05	5	<0.5	<0.2
1320212	Soil	11	28	0.46	317	0.021	1	1.64	0.009	0.05	0.2	0.06	2.9	0.1	<0.05	5	<0.5	<0.2
1321326	Soil	11	25	0.42	230	0.036	1	1.21	0.009	0.06	0.4	0.08	2.6	0.1	<0.05	4	<0.5	<0.2
1320211	Soil	12	25	0.44	295	0.019	1	1.37	0.011	0.07	0.2	0.11	2.5	0.2	0.07	5	<0.5	<0.2
1321339	Soil	16	28	1.13	706	0.053	<1	2.24	0.023	0.17	<0.1	0.03	6.8	0.2	0.10	9	<0.5	0.3
1321346	Soil	12	24	0.37	168	0.034	2	1.06	0.013	0.06	0.3	0.09	2.5	0.1	0.09	4	<0.5	<0.2
1320210	Soil	8	18	0.37	227	0.030	<1	1.32	0.014	0.07	0.1	0.03	2.3	0.1	<0.05	5	<0.5	<0.2
1320207	Soil	11	25	0.49	359	0.019	2	1.40	0.009	0.06	0.2	0.09	2.7	0.1	0.10	5	<0.5	<0.2
1320209	Soil	11	25	0.56	307	0.014	1	1.53	0.013	0.12	0.2	0.04	3.1	0.1	0.10	5	<0.5	<0.2
1321327	Soil	10	36	0.53	133	0.061	1	1.36	0.009	0.06	0.5	0.03	2.7	<0.1	<0.05	5	<0.5	<0.2
1320208	Soil	15	26	0.58	221	0.035	1	1.63	0.009	0.09	0.3	0.04	4.3	0.2	<0.05	5	<0.5	<0.2
1320200	Soil	9	32	0.66	188	0.011	2	1.54	0.026	0.05	<0.1	0.13	2.8	<0.1	0.25	4	2.2	0.9
1320197	Soil	8	25	1.39	235	0.103	<1	2.86	0.023	0.15	0.2	0.04	6.9	0.3	<0.05	9	<0.5	<0.2
1320196	Soil	8	32	1.03	213	0.082	1	2.34	0.024	0.07	0.2	0.06	5.3	0.3	0.07	8	<0.5	<0.2
1321334	Soil	10	28	0.43	203	0.076	1	1.39	0.007	0.10	0.2	0.04	2.9	0.2	<0.05	7	<0.5	<0.2
1320191	Soil	10	35	0.74	216	0.068	2	2.59	0.021	0.06	0.2	0.07	3.9	0.1	0.07	7	<0.5	0.2
1321341	Soil	9	28	0.37	456	0.018	1	1.18	0.027	0.29	0.3	0.07	3.5	0.5	0.44	4	1.3	0.3
1320205	Soil	8	25	0.25	187	0.016	1	0.91	0.006	0.07	0.2	0.09	1.0	0.1	0.18	4	<0.5	<0.2
1320204	Soil	10	47	1.39	274	0.044	<1	2.26	0.021	0.06	0.2	0.03	7.1	<0.1	<0.05	7	<0.5	<0.2
1320203	Soil	7	37	0.83	259	0.035	1	2.16	0.019	0.09	0.1	0.09	1.9	0.1	0.12	7	<0.5	<0.2
1320194	Soil	12	38	0.75	253	0.068	1	2.69	0.015	0.05	0.2	0.04	4.1	0.2	0.07	7	<0.5	<0.2
1320215	Soil	12	30	0.48	216	0.053	1	1.53	0.010	0.06	0.2	0.03	3.5	0.1	<0.05	5	<0.5	<0.2
1320217	Soil	11	31	0.50	228	0.025	<1	1.86	0.008	0.06	0.1	0.07	2.9	0.1	<0.05	6	<0.5	<0.2
1320201	Soil	4	31	0.80	94	0.110	2	1.48	0.075	0.11	12.5	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
1320195	Soil	10	35	1.30	239	0.073	<1	2.78	0.038	0.07	0.2	0.07	7.9	0.2	0.08	8	0.6	0.4
1320206	Soil	9	29	0.95	394	0.057	2	2.25	0.019	0.18	0.2	0.11	4.6	0.3	0.11	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	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1320218	Soil		0.9	24.1	13.2	51	0.2	17.5	7.5	245	2.47	10.2	0.8	4.1	1.2	14	0.2	0.5	0.5	57	0.17	0.036
1320216	Soil		0.9	31.5	13.9	43	0.3	17.2	5.6	167	2.14	10.3	1.2	3.8	0.5	16	0.2	0.5	0.7	53	0.19	0.060
1320192	Soil		1.5	22.3	20.6	51	0.2	17.6	16.9	401	3.74	16.7	0.9	5.5	1.3	85	0.5	0.6	0.7	93	0.29	0.102
1320214	Soil		1.3	19.8	12.3	52	0.1	18.6	9.3	426	2.65	14.2	0.8	5.0	1.6	16	0.3	0.7	0.4	63	0.20	0.055
1320219	Soil		1.2	25.4	14.7	60	0.2	20.5	8.7	275	2.80	13.5	0.7	5.8	2.1	16	0.2	0.6	0.4	65	0.20	0.041
1320220	Soil		0.7	20.4	12.2	54	<0.1	18.7	7.8	221	2.40	9.2	0.6	1.2	2.6	15	0.2	0.5	0.4	51	0.20	0.042
1320221	Soil		0.6	19.2	11.0	40	0.3	13.8	4.4	120	1.78	5.8	0.7	0.9	0.5	14	0.3	0.4	0.3	40	0.16	0.041
1320742	Soil		0.8	9.9	8.5	36	0.2	7.3	4.9	350	1.54	2.5	0.2	<0.5	0.8	13	0.1	0.2	0.2	39	0.11	0.040
1320743	Soil		1.3	17.6	13.6	61	0.1	26.9	11.3	373	3.22	12.5	0.5	1.0	2.0	22	0.3	0.4	0.2	76	0.18	0.102
1320746	Soil		1.2	14.4	16.4	47	0.2	14.5	7.8	317	2.82	9.5	0.6	1.8	2.7	12	0.2	0.4	0.2	67	0.12	0.051
1320735	Soil		1.8	24.2	20.8	69	0.3	20.5	10.5	510	3.85	21.5	0.5	2.8	2.7	53	0.5	0.4	0.5	91	0.46	0.057
1320745	Soil		1.5	15.0	20.7	95	<0.1	22.5	9.8	380	3.08	14.0	0.5	0.7	3.1	12	0.4	0.5	0.2	78	0.13	0.042
1320738	Soil		1.4	15.7	16.0	56	0.2	18.7	8.8	378	2.68	14.3	0.5	2.1	2.2	38	0.4	0.4	0.2	71	0.43	0.060
1320739	Soil		1.5	12.2	9.5	41	0.1	12.9	5.9	202	2.59	9.7	0.4	48.4	2.0	19	0.2	0.3	0.2	74	0.21	0.035
1321527	Soil		1.5	22.1	29.2	58	0.2	19.7	10.3	780	2.68	17.1	1.0	4.2	2.8	53	0.2	0.6	0.3	58	0.23	0.046
1321529	Soil		1.4	25.4	20.5	53	<0.1	24.2	9.8	463	2.67	15.8	1.0	4.6	4.6	15	0.1	0.7	0.2	59	0.15	0.026
1320741	Soil		1.0	14.6	15.2	52	0.1	16.1	7.9	334	2.88	9.5	0.5	5.6	2.3	25	0.2	0.3	0.2	74	0.27	0.048
1320737	Soil		1.1	21.2	14.1	63	0.1	20.7	12.9	655	3.55	58.2	0.8	8.9	2.8	69	0.1	0.4	0.4	97	0.46	0.079
1320740	Soil		1.1	18.2	15.7	53	0.3	12.0	6.1	360	2.30	6.9	0.5	1.4	1.2	43	0.6	0.3	0.3	60	0.46	0.071
1320724	Soil		0.6	46.8	24.8	89	0.3	24.1	10.7	462	3.25	7.8	0.8	11.3	3.9	32	0.2	0.4	0.2	75	0.62	0.070
1321530	Soil		1.7	15.4	34.5	48	0.3	15.9	11.6	1024	2.89	15.5	0.4	1.6	2.0	19	0.2	0.5	0.2	77	0.17	0.038
1321528	Soil		1.4	17.5	19.7	46	0.2	17.9	8.7	591	2.42	14.3	0.6	2.8	2.4	21	0.2	0.6	0.2	56	0.24	0.035
1320750	Soil		1.2	18.7	22.6	46	0.2	13.4	6.3	481	2.00	12.2	0.9	3.1	2.0	72	0.4	0.5	0.2	44	0.19	0.047
1320736	Soil		1.1	21.4	16.0	60	0.1	19.2	17.5	514	3.38	130.1	0.6	39.2	3.2	58	0.1	0.5	2.6	92	0.53	0.079
1320747	Soil		0.9	19.4	12.3	39	0.2	13.8	6.6	144	1.70	3.6	0.8	1.5	1.4	36	0.3	0.2	0.3	48	0.24	0.037
1321501	Soil		1.4	435.7	20.9	156	0.2	218.5	76.2	799	15.21	3.0	1.2	35.8	7.3	13	0.1	0.3	0.2	211	0.29	0.042
1320744	Soil		1.1	23.3	35.4	78	<0.1	25.6	9.8	395	2.77	21.3	0.7	5.7	4.0	14	0.4	0.8	0.2	65	0.16	0.029
1320749	Soil		1.8	28.4	35.2	66	0.5	21.9	10.9	1025	3.13	19.0	1.6	13.6	2.3	63	0.3	0.5	0.3	70	0.28	0.066
1320733	Soil		1.0	16.1	15.3	56	0.1	16.0	11.6	723	3.35	14.9	0.3	2.4	1.7	52	0.9	0.4	0.3	89	0.43	0.088
1320748	Soil		1.1	17.0	22.4	48	0.2	15.9	5.3	262	2.21	12.0	1.0	4.5	1.9	48	0.3	0.4	0.2	52	0.25	0.036

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
1320218	Soil	11	28	0.49	168	0.033	2	1.57	0.007	0.06	0.2	0.05	2.7	0.1	<0.05	6	<0.5	<0.2
1320216	Soil	10	28	0.44	260	0.024	2	1.61	0.008	0.04	0.1	0.09	2.5	0.1	<0.05	6	0.5	<0.2
1320192	Soil	9	31	0.69	194	0.054	2	2.63	0.018	0.04	0.2	0.08	4.1	0.2	0.11	7	0.5	<0.2
1320214	Soil	11	29	0.51	265	0.035	1	1.64	0.008	0.05	0.2	0.04	3.0	0.1	<0.05	5	<0.5	<0.2
1320219	Soil	11	32	0.55	207	0.040	1	1.94	0.008	0.07	0.1	0.04	3.4	0.2	<0.05	6	<0.5	<0.2
1320220	Soil	12	27	0.57	182	0.051	2	1.54	0.007	0.08	0.1	0.03	2.8	0.2	<0.05	5	<0.5	<0.2
1320221	Soil	10	26	0.44	182	0.032	2	1.45	0.008	0.05	0.1	0.07	2.2	0.2	<0.05	6	<0.5	<0.2
1320742	Soil	5	13	0.18	103	0.046	1	0.88	0.017	0.04	<0.1	0.04	1.4	<0.1	<0.05	5	<0.5	<0.2
1320743	Soil	9	34	0.52	195	0.055	1	2.62	0.008	0.08	0.1	0.05	3.0	0.2	<0.05	7	<0.5	<0.2
1320746	Soil	11	29	0.33	197	0.042	<1	1.79	0.008	0.03	0.1	0.03	3.0	0.1	<0.05	7	<0.5	<0.2
1320735	Soil	11	30	0.81	220	0.083	2	2.15	0.013	0.17	0.1	0.02	4.9	0.2	<0.05	8	<0.5	<0.2
1320745	Soil	10	36	0.49	195	0.054	2	2.32	0.007	0.05	0.2	0.03	3.2	0.2	<0.05	7	<0.5	<0.2
1320738	Soil	11	29	0.58	250	0.062	2	1.68	0.012	0.09	0.1	0.02	3.3	0.2	<0.05	6	<0.5	<0.2
1320739	Soil	8	23	0.44	124	0.074	1	1.46	0.011	0.07	0.1	0.01	2.8	0.1	<0.05	7	<0.5	<0.2
1321527	Soil	13	31	0.45	332	0.033	<1	1.76	0.011	0.07	0.2	0.04	3.7	0.2	<0.05	6	<0.5	<0.2
1321529	Soil	15	34	0.50	209	0.049	1	1.72	0.007	0.05	0.2	0.05	4.9	0.2	<0.05	5	<0.5	<0.2
1320741	Soil	11	28	0.53	233	0.060	<1	1.84	0.011	0.07	0.2	0.02	3.7	0.1	<0.05	7	<0.5	<0.2
1320737	Soil	13	31	0.83	280	0.073	1	2.47	0.017	0.09	0.1	0.03	6.3	0.2	<0.05	8	<0.5	<0.2
1320740	Soil	8	21	0.33	327	0.052	2	1.36	0.012	0.08	<0.1	0.02	2.7	0.1	<0.05	7	<0.5	<0.2
1320724	Soil	20	36	0.95	293	0.065	2	2.00	0.019	0.12	0.1	0.04	6.7	0.2	<0.05	6	<0.5	<0.2
1321530	Soil	10	29	0.27	272	0.044	1	1.78	0.011	0.05	0.1	0.03	2.5	0.2	<0.05	8	<0.5	<0.2
1321528	Soil	10	26	0.38	241	0.045	<1	1.46	0.011	0.05	0.2	0.03	2.7	0.2	<0.05	6	<0.5	<0.2
1320750	Soil	10	24	0.32	279	0.033	<1	1.40	0.011	0.07	0.1	0.04	2.7	0.2	<0.05	5	<0.5	<0.2
1320736	Soil	15	30	0.88	264	0.067	<1	2.22	0.017	0.08	0.1	0.02	6.3	0.2	<0.05	7	<0.5	<0.2
1320747	Soil	10	22	0.44	172	0.063	<1	1.25	0.014	0.07	0.1	0.02	2.5	0.1	<0.05	6	<0.5	<0.2
1321501	Soil	17	707	0.13	141	0.154	4	4.12	0.013	0.06	<0.1	0.04	40.0	0.1	<0.05	20	0.5	<0.2
1320744	Soil	12	31	0.45	167	0.065	1	1.70	0.009	0.05	0.3	0.04	3.2	0.1	<0.05	6	<0.5	<0.2
1320749	Soil	15	35	0.46	432	0.029	<1	2.31	0.013	0.09	0.2	0.04	5.1	0.2	<0.05	8	0.6	<0.2
1320733	Soil	8	25	0.69	239	0.075	<1	2.05	0.016	0.12	<0.1	0.03	4.2	0.2	<0.05	7	<0.5	<0.2
1320748	Soil	12	27	0.37	246	0.036	1	1.56	0.011	0.06	0.2	0.03	3.1	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	1DX15	1DX15	1DX15
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1320725	Soil		1.2	36.1	42.6	82	0.3	23.2	10.9	539	3.32	13.0	0.9	3.0	3.4	26	0.3	0.6	0.2	75	0.38	0.050
1320729	Soil		1.6	28.8	13.3	56	<0.1	23.2	11.1	397	2.94	15.9	0.9	9.3	3.2	29	0.1	0.5	0.3	76	0.35	0.052
1320731	Soil		0.9	17.0	15.1	51	0.2	15.2	12.3	788	2.72	25.7	0.4	4.5	1.2	23	0.9	0.3	0.7	68	0.28	0.064
1320734	Soil		1.0	20.7	13.2	51	<0.1	19.6	11.1	413	3.80	26.9	0.4	11.3	2.6	51	0.3	0.4	0.3	96	0.43	0.123
1320727	Soil		0.8	18.6	45.6	93	0.2	29.9	8.6	534	1.95	42.5	0.9	2.4	3.4	16	0.4	1.3	0.5	42	0.21	0.053
1320728	Soil		1.1	21.5	13.8	51	<0.1	27.9	9.9	381	2.68	27.6	0.7	2.1	2.8	26	0.1	0.7	0.3	62	0.20	0.030
1320730	Soil		0.8	20.2	24.9	72	<0.1	21.0	9.6	294	2.57	16.4	0.6	7.9	3.4	68	0.2	0.6	0.8	69	0.43	0.072
1320726	Soil		0.9	55.3	39.6	93	0.3	27.9	10.8	578	3.41	17.3	1.0	4.0	3.6	31	0.3	0.8	0.3	71	0.40	0.067
1320732	Soil		0.8	14.6	11.8	51	0.2	13.8	11.9	621	3.10	41.6	0.4	3.3	1.4	40	0.3	0.3	0.5	86	0.36	0.061
1320723	Soil		0.7	12.2	8.4	54	<0.1	7.6	16.5	1153	6.08	4.1	0.4	2.1	1.0	183	<0.1	0.3	<0.1	214	1.65	0.170
1320238	Soil		1.2	23.7	12.7	48	0.2	14.6	7.9	379	3.17	10.0	0.6	3.5	2.2	32	0.1	0.4	0.3	89	0.32	0.051
1320243	Soil		1.0	9.6	12.1	33	<0.1	8.8	4.4	292	2.15	5.8	0.3	1.1	0.5	34	0.4	0.3	0.2	66	0.22	0.055
1320241	Soil		1.0	12.9	15.4	51	<0.1	18.0	9.7	326	2.83	10.4	0.5	4.7	2.8	26	0.3	0.4	0.2	68	0.23	0.061
1320235	Soil		1.3	17.0	22.0	73	0.3	12.1	11.5	738	3.07	58.6	0.4	20.7	1.1	44	0.6	0.4	0.4	74	0.33	0.092
1320240	Soil		0.9	15.2	16.9	63	0.1	16.9	9.2	475	2.98	8.8	0.6	2.1	1.8	53	0.2	0.4	0.2	73	0.44	0.083
1320228	Soil		1.0	35.4	11.0	48	<0.1	14.1	7.1	303	2.86	33.7	0.4	4.8	2.4	60	0.1	0.5	0.9	81	0.42	0.063
1320244	Soil		1.3	30.1	24.1	95	0.1	29.9	10.6	353	3.21	61.3	1.1	17.7	4.5	17	0.6	1.2	1.0	79	0.14	0.034
1320242	Soil		0.9	18.8	13.7	54	<0.1	22.1	10.2	284	2.84	11.1	0.6	4.7	2.4	26	0.1	0.6	0.2	66	0.18	0.050
1320226	Soil		0.7	24.7	23.7	65	0.1	16.4	9.3	402	3.48	63.4	0.5	6.0	2.1	57	0.2	0.5	2.2	91	0.44	0.079
1321751	Soil		2.1	21.4	2.3	39	0.3	20.6	9.2	366	2.17	4.4	0.2	1.3	0.8	42	0.2	0.9	<0.1	56	0.79	0.053
1320225	Soil		0.9	27.9	25.3	67	0.1	19.7	11.6	411	3.81	67.4	0.6	8.9	2.8	56	0.2	0.6	2.7	103	0.47	0.069
1320227	Soil		0.9	55.6	17.7	59	0.2	19.2	9.4	291	2.81	25.2	0.8	6.9	4.1	36	0.2	0.6	0.5	72	0.26	0.027
1320223	Soil		1.1	16.5	42.9	101	0.1	24.8	9.2	350	2.28	48.1	0.7	2.4	2.7	20	0.7	1.7	1.1	49	0.16	0.048
1320224	Soil		0.8	20.8	21.6	56	<0.1	27.7	10.1	410	2.50	39.1	0.9	5.1	5.3	30	0.2	0.9	1.2	53	0.24	0.039
1320239	Soil		1.1	15.6	14.5	60	0.2	15.8	10.6	476	3.30	10.5	0.4	6.0	1.4	37	0.4	0.5	0.6	75	0.37	0.097
1320229	Soil		1.0	12.6	22.3	69	0.2	15.5	8.6	369	3.10	20.3	0.4	2.9	1.5	36	0.6	0.6	1.3	83	0.22	0.053
1320222	Soil		1.2	14.5	15.4	59	<0.1	13.0	12.2	644	4.12	5.1	0.5	3.2	0.8	103	0.4	0.9	0.2	138	0.93	0.130
1320246	Soil		1.4	30.1	100.2	100	0.2	22.9	13.0	723	2.62	82.7	0.8	24.3	3.7	23	0.5	1.8	4.3	57	0.20	0.033
1320245	Soil		1.2	16.4	35.4	61	0.5	11.5	9.6	1063	1.73	12.2	0.3	2.7	0.2	41	1.7	0.6	0.5	49	0.31	0.071
1320248	Soil		1.1	14.7	20.5	65	0.1	17.1	8.5	348	2.95	18.7	0.5	7.9	2.2	29	0.4	0.5	0.3	67	0.23	0.058

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1320725	Soil	21	37	0.67	272	0.042	2	2.24	0.010	0.07	0.1	0.04	6.1	0.3	<0.05	7	<0.5	<0.2
1320729	Soil	14	35	0.62	300	0.060	1	2.11	0.013	0.06	0.2	0.03	5.0	0.1	<0.05	6	<0.5	<0.2
1320731	Soil	12	21	0.48	153	0.049	<1	1.60	0.016	0.06	0.1	0.02	3.2	0.2	<0.05	6	<0.5	<0.2
1320734	Soil	11	27	0.94	224	0.100	1	2.32	0.016	0.20	0.1	0.02	5.3	0.3	<0.05	8	<0.5	<0.2
1320727	Soil	24	21	0.33	206	0.026	2	1.15	0.007	0.06	<0.1	0.03	3.4	0.2	<0.05	3	<0.5	<0.2
1320728	Soil	18	32	0.51	224	0.040	2	1.87	0.008	0.08	<0.1	0.01	4.1	0.2	<0.05	5	<0.5	<0.2
1320730	Soil	15	29	0.55	199	0.075	1	1.53	0.015	0.09	0.2	0.02	4.3	0.1	<0.05	5	<0.5	<0.2
1320726	Soil	20	38	0.71	324	0.045	1	2.32	0.014	0.09	0.1	0.05	6.8	0.2	<0.05	7	<0.5	<0.2
1320732	Soil	14	23	0.66	201	0.079	2	1.81	0.020	0.10	0.1	0.02	4.9	0.2	<0.05	7	<0.5	<0.2
1320723	Soil	8	24	2.30	392	0.091	<1	4.10	0.016	0.78	0.2	0.01	12.1	0.5	<0.05	12	<0.5	<0.2
1320238	Soil	12	27	0.62	281	0.095	<1	2.06	0.013	0.09	0.1	0.02	4.6	0.2	<0.05	8	<0.5	<0.2
1320243	Soil	7	17	0.25	206	0.062	<1	1.09	0.016	0.06	0.1	0.03	1.7	0.1	<0.05	7	<0.5	<0.2
1320241	Soil	13	31	0.55	182	0.080	3	2.01	0.014	0.07	0.2	0.03	4.0	0.1	<0.05	6	<0.5	<0.2
1320235	Soil	9	21	0.56	199	0.074	1	1.56	0.013	0.11	0.1	0.03	3.6	0.2	<0.05	8	<0.5	<0.2
1320240	Soil	12	29	0.66	248	0.062	1	1.79	0.015	0.05	0.2	0.04	4.0	<0.1	<0.05	6	<0.5	<0.2
1320228	Soil	10	25	0.52	132	0.082	1	1.60	0.016	0.05	0.2	0.03	4.1	<0.1	<0.05	6	<0.5	<0.2
1320244	Soil	15	39	0.53	259	0.076	2	2.52	0.012	0.05	0.2	0.05	5.5	0.2	<0.05	8	<0.5	<0.2
1320242	Soil	11	30	0.55	218	0.086	<1	2.56	0.017	0.06	0.1	0.05	3.6	0.2	<0.05	6	<0.5	<0.2
1320226	Soil	16	27	0.84	313	0.082	1	2.25	0.016	0.14	0.1	0.04	6.7	0.3	<0.05	8	<0.5	<0.2
1321751	Soil	4	28	0.73	93	0.111	4	1.43	0.089	0.12	13.0	0.01	5.2	<0.1	<0.05	5	<0.5	<0.2
1320225	Soil	16	34	0.81	313	0.083	1	2.54	0.014	0.13	0.1	0.03	7.4	0.3	<0.05	9	<0.5	<0.2
1320227	Soil	13	33	0.64	225	0.080	1	2.31	0.018	0.06	0.2	0.04	6.3	0.1	<0.05	7	<0.5	<0.2
1320223	Soil	22	20	0.32	178	0.018	2	1.39	0.007	0.10	<0.1	0.03	3.3	0.2	<0.05	5	<0.5	<0.2
1320224	Soil	23	26	0.48	268	0.041	1	1.70	0.011	0.08	0.1	0.02	4.9	0.2	<0.05	4	<0.5	<0.2
1320239	Soil	10	27	0.66	230	0.074	2	2.01	0.013	0.10	0.1	0.02	3.3	0.1	<0.05	8	<0.5	<0.2
1320229	Soil	10	28	0.46	238	0.066	<1	2.11	0.011	0.05	0.2	0.04	3.2	0.1	<0.05	8	<0.5	<0.2
1320222	Soil	11	23	1.04	317	0.069	3	2.39	0.028	0.15	0.1	0.05	6.2	0.1	<0.05	9	<0.5	<0.2
1320246	Soil	13	26	0.40	177	0.059	<1	1.19	0.010	0.05	0.2	0.02	3.3	0.2	<0.05	4	<0.5	<0.2
1320245	Soil	7	14	0.14	327	0.036	<1	0.78	0.013	0.06	0.1	0.06	1.2	0.1	<0.05	5	<0.5	<0.2
1320248	Soil	12	28	0.47	206	0.070	1	1.80	0.011	0.08	0.2	0.03	3.3	0.1	<0.05	7	<0.5	<0.2

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1320249	Soil	0.8	10.8	19.1	53	0.3	11.3	5.8	236	2.39	14.2	0.3	3.5	1.4	17	0.4	0.4	0.3	59	0.13	0.065
1320250	Soil	1.3	13.4	22.2	46	0.3	12.5	6.6	380	2.38	13.8	0.4	1.8	1.7	19	0.3	0.4	0.3	62	0.16	0.042
1321753	Soil	1.3	20.4	18.8	49	0.2	14.3	9.1	307	2.31	6.2	1.1	11.4	1.7	80	0.2	0.4	0.5	68	0.48	0.082
1320233	Soil	0.6	19.4	11.0	58	<0.1	20.1	11.3	432	4.17	19.5	0.7	12.6	4.2	38	0.1	0.5	0.3	105	0.34	0.059
1321752	Soil	1.4	13.1	13.6	49	0.2	13.1	7.4	425	2.64	12.3	0.4	2.0	2.1	16	0.3	0.5	0.3	72	0.12	0.030
1320247	Soil	1.2	19.4	22.1	66	0.2	18.3	9.2	479	2.86	18.1	0.7	5.2	1.9	22	0.4	0.5	0.4	70	0.18	0.044
1320236	Soil	0.8	13.7	12.8	53	0.1	17.0	9.0	413	2.77	18.3	0.5	9.2	1.6	112	0.3	0.4	0.3	70	0.55	0.092
1320231	Soil	0.8	21.6	10.4	56	<0.1	19.6	13.2	488	3.33	28.9	0.6	56.0	3.6	71	0.1	0.5	0.7	85	0.58	0.107
1320230	Soil	1.3	14.0	17.3	55	<0.1	16.1	8.1	335	3.12	73.8	0.4	121.7	1.8	29	0.2	0.5	2.6	74	0.25	0.054
1320234	Soil	1.0	12.2	11.9	47	0.2	12.8	8.5	425	2.58	11.9	0.3	4.7	0.6	33	0.5	0.4	0.4	68	0.28	0.052
1320237	Soil	1.4	14.3	16.3	60	<0.1	17.2	8.6	317	3.09	12.0	0.5	4.7	2.3	33	0.6	0.6	0.3	70	0.32	0.069
1321754	Soil	0.8	16.9	13.2	42	0.1	13.6	7.0	238	2.23	4.2	0.9	5.0	2.2	64	0.1	0.2	0.3	63	0.57	0.066
1320232	Soil	1.1	20.9	14.4	57	<0.1	19.8	12.1	370	3.71	19.8	0.5	8.4	3.1	32	0.2	0.5	0.2	98	0.37	0.060
1320936	Soil	1.0	24.2	13.3	48	0.3	14.5	6.4	206	2.29	11.4	0.7	4.6	0.4	15	0.2	0.6	1.1	57	0.16	0.044
1320935	Soil	1.1	20.1	13.6	48	0.1	15.7	7.4	248	2.56	12.2	0.5	<0.5	1.2	14	0.2	0.5	0.5	62	0.16	0.039
1320934	Soil	0.8	25.0	12.5	61	0.1	22.0	10.1	356	2.90	11.6	0.7	3.9	2.4	19	0.1	0.5	0.6	64	0.25	0.054
1320931	Soil	1.1	21.2	16.8	66	0.1	20.6	8.7	211	2.79	12.0	0.8	1.1	1.7	16	<0.1	0.6	0.3	64	0.19	0.042
1320933	Soil	0.9	36.2	13.2	53	0.7	15.9	5.3	159	2.02	6.7	1.1	3.7	0.6	20	0.2	0.4	0.4	49	0.22	0.058
1320930	Soil	1.2	20.6	15.8	67	0.2	19.1	11.3	586	2.82	15.1	0.8	3.1	1.7	18	0.2	0.6	0.3	72	0.22	0.048
1320932	Soil	0.9	26.9	12.7	57	0.2	18.7	8.3	274	2.47	10.1	0.8	3.6	2.1	18	<0.1	0.5	0.2	60	0.24	0.048
1320916	Soil	1.9	48.4	7.5	22	0.2	6.2	7.1	156	3.26	13.8	0.5	10.2	0.2	127	0.3	0.5	0.9	134	0.95	0.136
1320914	Soil	1.5	18.4	10.7	54	0.2	16.4	7.1	238	2.66	12.7	0.6	3.6	0.6	22	0.2	0.5	0.2	69	0.23	0.072
1320910	Soil	1.0	34.6	15.2	56	0.2	19.3	16.3	883	3.78	13.9	0.5	2.3	0.3	35	0.2	0.6	0.1	116	0.34	0.134
1320912	Soil	1.2	34.7	13.5	61	0.1	24.6	29.1	785	4.18	33.2	0.9	13.9	1.6	33	0.3	0.6	0.5	129	0.24	0.082
1320917	Soil	3.5	52.4	92.3	96	0.2	32.5	36.8	1087	5.26	89.2	1.0	6.8	1.8	54	0.4	5.2	0.4	92	0.10	0.106
1320911	Soil	1.5	24.9	17.5	37	0.2	14.1	15.8	269	3.64	35.0	0.5	6.1	0.7	38	<0.1	0.9	0.4	108	0.22	0.069
1320915	Soil	2.2	36.7	12.6	29	0.3	13.6	16.5	917	3.10	24.8	0.7	3.5	0.3	42	0.2	0.5	0.7	87	0.51	0.190
1320913	Soil	2.4	56.9	145.7	116	1.1	20.9	19.0	996	5.67	174.0	0.6	7.7	0.4	68	0.6	6.2	1.6	135	0.27	0.146
1320909	Soil	1.2	30.3	13.1	44	0.1	16.5	11.0	471	3.55	14.6	0.5	4.5	0.2	31	0.2	0.6	0.2	112	0.26	0.127
1320908	Soil	2.4	27.9	21.1	51	0.1	19.7	12.5	429	3.66	16.0	0.7	6.7	1.3	48	0.2	0.5	0.4	99	0.16	0.046

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
1320249	Soil	8	21	0.30	143	0.056	<1	1.30	0.011	0.06	0.2	0.03	2.2	0.1	<0.05	6	<0.5	<0.2
1320250	Soil	9	24	0.32	187	0.053	<1	1.56	0.014	0.06	0.1	0.02	2.7	0.1	<0.05	6	<0.5	<0.2
1321753	Soil	11	26	0.55	257	0.070	<1	1.65	0.022	0.07	0.2	0.03	3.1	0.1	<0.05	6	<0.5	<0.2
1320233	Soil	14	33	1.06	223	0.116	2	2.70	0.016	0.10	0.2	0.03	8.2	0.3	<0.05	8	<0.5	<0.2
1321752	Soil	9	26	0.34	190	0.051	<1	1.84	0.012	0.04	0.1	0.02	3.4	0.2	<0.05	7	<0.5	<0.2
1320247	Soil	12	28	0.44	223	0.068	1	1.88	0.010	0.09	0.1	0.03	3.8	0.2	<0.05	7	<0.5	<0.2
1320236	Soil	12	24	0.67	306	0.072	<1	1.91	0.019	0.12	0.2	0.03	4.5	0.1	<0.05	6	<0.5	<0.2
1320231	Soil	18	28	0.83	227	0.072	<1	1.98	0.023	0.07	0.2	0.02	8.1	0.2	<0.05	7	<0.5	<0.2
1320230	Soil	11	26	0.60	146	0.049	<1	1.85	0.014	0.08	0.1	0.02	4.3	0.2	<0.05	7	<0.5	<0.2
1320234	Soil	8	22	0.41	209	0.055	<1	1.52	0.013	0.07	0.1	0.03	2.4	0.1	<0.05	7	<0.5	<0.2
1320237	Soil	10	27	0.51	217	0.065	2	2.04	0.011	0.09	0.2	0.03	3.7	0.1	<0.05	7	<0.5	<0.2
1321754	Soil	11	25	0.66	202	0.077	<1	1.43	0.017	0.08	0.2	0.03	3.5	0.2	<0.05	5	0.8	<0.2
1320232	Soil	12	33	0.81	208	0.058	<1	2.35	0.012	0.06	0.2	0.02	5.7	0.2	<0.05	7	<0.5	<0.2
1320936	Soil	10	26	0.41	227	0.029	<1	1.60	0.007	0.06	0.2	0.04	2.2	0.1	<0.05	6	<0.5	<0.2
1320935	Soil	10	25	0.44	153	0.046	1	1.53	0.008	0.06	0.2	0.02	2.6	0.2	<0.05	7	<0.5	<0.2
1320934	Soil	13	34	0.68	258	0.064	1	1.93	0.008	0.11	0.2	0.02	3.9	0.2	<0.05	6	<0.5	<0.2
1320931	Soil	11	32	0.57	227	0.040	1	1.95	0.009	0.06	0.2	0.02	3.5	0.1	<0.05	7	<0.5	<0.2
1320933	Soil	10	30	0.47	289	0.030	<1	1.74	0.010	0.06	0.1	0.08	2.9	0.1	<0.05	6	<0.5	<0.2
1320930	Soil	11	31	0.51	274	0.045	<1	1.75	0.009	0.06	1.3	0.02	3.2	0.1	<0.05	7	<0.5	<0.2
1320932	Soil	11	30	0.57	229	0.048	<1	1.63	0.009	0.06	0.1	0.03	3.4	0.1	<0.05	5	<0.5	<0.2
1320916	Soil	3	18	1.10	306	0.135	1	2.27	0.059	0.16	0.1	0.08	5.9	0.2	0.42	8	1.0	0.2
1320914	Soil	8	30	0.40	160	0.046	<1	2.02	0.008	0.04	0.2	0.07	2.3	0.1	0.09	6	0.6	<0.2
1320910	Soil	7	33	0.94	247	0.069	1	2.62	0.016	0.06	0.1	0.07	3.6	0.2	0.19	9	<0.5	<0.2
1320912	Soil	9	38	1.17	211	0.121	1	2.97	0.027	0.09	0.2	0.08	6.9	0.3	0.09	8	0.7	0.2
1320917	Soil	14	34	0.45	236	0.018	<1	1.95	0.012	0.06	0.9	0.05	4.4	0.3	0.06	6	<0.5	0.3
1320911	Soil	9	29	0.57	108	0.060	<1	1.98	0.010	0.04	0.2	0.10	3.4	0.2	<0.05	8	<0.5	<0.2
1320915	Soil	10	31	0.53	248	0.034	<1	1.90	0.019	0.06	0.1	0.09	3.3	0.2	0.33	6	0.8	0.4
1320913	Soil	8	44	0.97	461	0.047	2	2.68	0.060	0.24	0.5	0.12	5.1	0.4	0.62	10	1.0	0.8
1320909	Soil	6	30	0.79	135	0.069	1	2.67	0.015	0.07	0.1	0.11	2.6	0.2	0.11	8	0.5	<0.2
1320908	Soil	10	35	0.60	175	0.074	<1	2.56	0.012	0.04	0.2	0.06	3.3	0.2	<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	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			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	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1320907	Soil		1.7	15.5	14.2	50	0.1	17.7	10.9	288	3.72	12.7	0.5	3.5	2.3	19	0.3	0.5	0.2	102	0.11	0.043
1320928	Soil		1.4	25.1	12.3	61	0.1	22.2	9.8	388	2.82	25.0	1.0	2.0	1.1	16	0.1	0.9	0.2	70	0.20	0.048
1320906	Soil		1.7	15.8	31.9	48	0.2	20.5	11.4	313	3.28	12.1	0.6	5.6	2.2	22	0.2	0.6	0.2	91	0.15	0.044
1320929	Soil		1.2	20.0	13.4	43	0.1	15.3	5.8	160	2.16	15.6	1.0	2.0	0.5	14	0.2	0.5	0.2	63	0.18	0.056
1320927	Soil		1.5	21.6	10.0	53	0.1	17.2	7.5	302	2.36	26.3	0.8	3.5	0.9	18	0.1	0.9	0.2	68	0.20	0.049
1320926	Soil		1.8	25.1	11.9	48	0.2	18.5	9.3	419	2.67	33.3	1.3	6.5	0.6	23	0.1	1.1	0.3	62	0.28	0.068
1320925	Soil		1.6	29.8	12.6	56	0.3	21.6	10.6	650	2.82	32.6	1.5	6.5	0.8	21	0.1	1.2	0.3	65	0.27	0.073
1320922	Soil		1.7	18.6	13.8	72	0.1	19.2	8.5	413	3.12	14.8	0.6	6.0	0.6	26	0.3	0.6	0.1	77	0.28	0.076
1320924	Soil		2.1	35.9	18.5	66	0.2	22.8	10.0	463	2.84	35.4	1.3	3.9	1.1	27	0.3	1.2	0.3	71	0.37	0.069
1320921	Soil		2.2	27.7	19.7	55	0.2	17.0	9.5	786	2.73	10.5	0.6	4.5	0.3	49	0.8	0.6	0.2	91	0.48	0.136
1320918	Soil		1.2	26.1	18.4	50	0.2	20.1	13.1	515	3.54	15.3	0.7	9.1	0.3	62	0.3	0.6	0.5	98	0.43	0.119
1320920	Soil		1.6	30.3	17.3	75	0.2	28.7	14.2	838	3.25	17.1	0.7	21.0	0.4	42	0.6	1.0	0.2	90	0.52	0.134
1320923	Soil		1.9	24.6	15.4	56	0.2	17.4	7.6	397	2.61	27.9	0.7	1.5	1.1	21	0.4	1.2	0.3	70	0.19	0.050
1320919	Soil		2.2	43.5	43.2	79	0.2	36.2	20.5	1695	3.50	20.4	1.4	7.5	1.2	39	0.9	1.5	0.3	88	0.40	0.135
1320706	Soil		1.7	36.4	12.0	63	0.1	24.0	17.3	715	4.06	57.6	1.1	7.8	1.4	30	0.3	2.1	0.3	103	0.35	0.146
1320698	Soil		2.3	24.2	25.2	56	0.1	19.2	36.5	554	5.34	41.3	0.9	20.2	1.6	289	0.4	1.1	0.8	154	0.65	0.166
1320691	Soil		1.2	20.7	22.2	53	0.2	22.6	22.0	709	5.20	27.6	3.6	43.0	0.6	247	0.2	0.8	0.4	151	0.84	0.166
1320722	Soil		1.0	15.3	13.2	50	0.3	16.7	7.6	241	2.57	10.5	0.6	1.9	1.9	15	0.2	0.5	0.2	68	0.18	0.034
1320703	Soil		1.9	24.7	20.3	54	0.1	13.2	25.8	659	5.60	64.8	0.5	8.5	1.1	46	0.2	0.8	0.2	158	0.49	0.091
1320720	Soil		0.8	38.7	383.5	88	0.4	19.0	9.6	424	2.36	7.8	1.1	1.5	0.9	20	0.7	0.5	0.2	55	0.24	0.056
1320704	Soil		2.6	38.0	14.8	71	<0.1	23.9	19.6	600	3.71	92.0	0.8	11.0	1.4	39	0.3	1.1	0.3	79	0.31	0.112
1320696	Soil		2.8	44.9	20.6	53	0.2	19.2	47.3	944	7.71	42.0	0.8	26.1	1.1	814	0.5	1.2	3.0	149	1.17	0.192
1320721	Soil		0.7	22.1	10.5	62	0.1	21.4	11.4	428	2.70	10.0	0.6	0.8	3.8	11	0.2	0.6	0.2	59	0.24	0.051
1320708	Soil		1.7	24.0	14.0	59	0.1	19.5	13.0	476	2.97	44.7	0.9	6.3	1.6	32	0.3	2.2	0.3	71	0.27	0.086
1320695	Soil		32.7	15.3	11.8	33	0.2	9.7	28.7	351	16.13	124.4	2.1	44.8	2.5	307	0.2	0.9	1.8	294	1.04	0.390
1320705	Soil		3.5	55.7	17.3	49	0.4	20.1	8.4	250	2.81	187.4	1.4	21.8	0.7	24	0.2	6.7	0.5	32	0.14	0.117
1320717	Soil		0.9	21.0	11.7	60	<0.1	22.3	12.7	560	2.88	11.1	0.5	2.4	2.5	23	0.1	0.7	0.2	71	0.26	0.039
1320701	Soil		1.4	474.0	20.5	153	0.2	226.1	77.4	801	15.77	2.8	1.1	29.7	6.8	14	0.1	0.3	0.1	219	0.28	0.040
1320700	Soil		2.0	8.8	31.8	46	0.2	10.4	85.2	1624	6.53	52.8	0.9	11.6	1.4	68	0.5	0.7	0.6	195	1.34	0.297
1320694	Soil		1.8	11.1	12.1	45	0.1	11.9	31.8	781	5.05	18.5	0.7	6.4	1.6	587	0.2	0.6	0.7	91	1.43	0.233

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1320907	Soil	9	37	0.58	186	0.081	<1	2.85	0.010	0.04	0.2	0.05	3.8	0.2	<0.05	9	<0.5	<0.2
1320928	Soil	12	33	0.49	231	0.044	<1	1.59	0.009	0.06	0.2	0.06	2.8	<0.1	<0.05	6	<0.5	<0.2
1320906	Soil	10	35	0.51	268	0.068	<1	2.42	0.010	0.04	0.2	0.07	3.5	0.2	<0.05	7	<0.5	<0.2
1320929	Soil	10	27	0.43	256	0.031	<1	1.64	0.009	0.05	0.2	0.04	2.1	0.1	<0.05	6	<0.5	<0.2
1320927	Soil	11	29	0.43	202	0.046	<1	1.24	0.008	0.05	0.2	0.06	2.5	0.1	<0.05	5	<0.5	<0.2
1320926	Soil	11	29	0.43	276	0.028	<1	1.56	0.010	0.05	0.2	0.06	2.4	0.1	<0.05	5	<0.5	<0.2
1320925	Soil	15	31	0.47	299	0.032	<1	1.74	0.011	0.06	0.2	0.05	3.1	0.1	<0.05	6	0.5	<0.2
1320922	Soil	9	32	0.46	213	0.049	<1	2.13	0.007	0.06	0.2	0.08	2.1	0.1	<0.05	7	0.8	<0.2
1320924	Soil	12	29	0.49	324	0.027	<1	1.50	0.010	0.07	0.2	0.05	2.9	0.1	<0.05	6	<0.5	<0.2
1320921	Soil	7	28	0.42	423	0.046	<1	1.35	0.010	0.06	0.2	0.17	1.6	0.2	0.06	8	<0.5	<0.2
1320918	Soil	9	34	0.77	281	0.035	<1	2.07	0.015	0.05	0.2	0.06	2.5	0.1	0.07	7	0.5	0.2
1320920	Soil	13	37	0.79	316	0.038	1	2.15	0.010	0.09	0.3	0.08	2.6	0.1	0.08	7	<0.5	<0.2
1320923	Soil	11	25	0.43	192	0.043	<1	1.30	0.011	0.07	0.2	0.04	2.5	<0.1	<0.05	6	<0.5	<0.2
1320919	Soil	12	38	0.69	255	0.047	2	2.06	0.011	0.09	0.4	0.15	3.8	0.2	<0.05	6	<0.5	<0.2
1320706	Soil	13	41	0.90	225	0.049	<1	2.04	0.017	0.07	0.2	0.08	4.6	0.2	0.07	7	<0.5	0.2
1320698	Soil	10	58	1.48	199	0.114	<1	3.03	0.023	0.27	0.1	0.05	8.1	0.4	<0.05	9	1.0	0.8
1320691	Soil	10	43	0.81	289	0.032	<1	3.15	0.040	0.06	0.1	0.10	3.2	0.2	0.11	8	0.8	0.7
1320722	Soil	10	31	0.49	213	0.053	<1	1.52	0.008	0.05	0.2	0.05	2.6	0.1	<0.05	6	<0.5	<0.2
1320703	Soil	8	37	1.57	418	0.081	1	3.65	0.012	0.10	<0.1	0.06	8.6	0.3	<0.05	13	<0.5	<0.2
1320720	Soil	13	31	0.47	315	0.037	1	1.64	0.014	0.07	0.1	0.06	3.3	0.2	<0.05	6	<0.5	<0.2
1320704	Soil	14	29	0.68	250	0.037	1	1.86	0.017	0.07	0.2	0.06	4.1	0.2	<0.05	6	0.7	0.4
1320696	Soil	10	47	1.35	333	0.074	1	3.21	0.029	0.15	0.2	0.05	7.7	0.1	<0.05	9	<0.5	2.5
1320721	Soil	13	31	0.66	235	0.082	1	1.55	0.010	0.14	0.2	0.03	3.5	0.1	<0.05	6	<0.5	<0.2
1320708	Soil	12	30	0.59	292	0.049	2	1.66	0.018	0.08	0.1	0.09	3.6	0.2	<0.05	5	0.7	<0.2
1320695	Soil	80	20	1.55	146	0.011	<1	3.28	0.301	0.16	<0.1	0.02	10.1	0.2	1.35	15	5.9	2.1
1320705	Soil	9	19	0.25	296	0.008	1	1.17	0.087	0.12	0.2	0.09	1.0	0.2	0.34	3	1.8	0.6
1320717	Soil	11	49	0.78	248	0.077	2	1.67	0.011	0.11	0.3	0.04	3.4	0.2	<0.05	6	<0.5	<0.2
1320701	Soil	17	714	0.13	138	0.173	4	4.16	0.013	0.06	<0.1	0.05	36.7	0.1	<0.05	21	0.6	<0.2
1320700	Soil	16	20	1.73	205	0.075	<1	3.13	0.033	0.46	0.1	0.03	11.7	0.5	0.12	13	1.0	0.8
1320694	Soil	9	23	1.23	156	0.009	<1	3.34	0.040	0.04	<0.1	0.04	7.1	0.1	<0.05	9	<0.5	0.7

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1320702	Soil	2.5	153.0	15.9	59	0.2	22.2	58.6	826	5.75	227.3	1.0	107.4	2.0	37	0.3	1.0	0.4	135	0.56	0.171
1320699	Soil	4.0	29.9	27.9	60	<0.1	26.7	32.3	674	4.88	41.4	1.1	25.7	2.8	81	0.3	1.0	0.4	114	0.42	0.116
1320716	Soil	0.9	14.8	11.8	34	0.2	10.4	4.8	184	1.65	6.1	0.6	2.7	1.2	14	0.2	0.4	0.2	49	0.12	0.037
1320713	Soil	1.0	14.0	16.1	51	<0.1	14.5	12.8	969	2.56	17.5	0.6	4.0	1.7	15	0.2	1.8	0.3	50	0.14	0.048
1320692	Soil	0.3	18.2	27.2	52	0.1	13.0	22.9	675	6.76	26.6	1.0	8.1	2.5	473	0.3	0.9	0.6	199	1.64	0.198
1320715	Soil	0.6	20.5	7.7	22	0.3	8.3	2.6	59	1.01	3.2	0.9	2.4	0.2	17	0.4	0.3	0.2	30	0.20	0.084
1320697	Soil	2.1	37.8	14.8	44	0.2	14.8	36.7	637	4.58	26.9	0.7	14.5	1.0	535	0.2	0.8	0.6	124	0.94	0.194
1320707	Soil	1.9	22.4	9.4	47	<0.1	18.1	10.9	436	2.86	30.6	0.8	5.1	0.8	20	0.3	1.2	0.2	75	0.22	0.093
1320712	Soil	0.8	13.8	16.6	55	0.1	18.4	11.7	477	2.54	12.4	0.7	5.4	2.1	20	0.2	1.1	0.3	53	0.17	0.049
1320719	Soil	0.9	24.2	11.7	64	0.2	19.8	10.3	397	2.75	9.7	0.8	2.7	1.9	22	0.1	0.6	0.2	69	0.31	0.050
1320710	Soil	1.1	10.5	13.1	57	<0.1	13.1	8.2	508	2.32	17.0	0.6	1.5	1.1	16	0.2	1.5	0.2	52	0.14	0.064
1320718	Soil	1.1	20.8	12.9	70	0.1	20.2	11.1	525	3.08	11.4	0.6	1.2	3.2	14	0.3	0.6	0.3	73	0.14	0.039
1320709	Soil	2.7	17.9	12.0	43	0.3	14.0	6.7	220	2.88	158.0	0.9	3.6	0.9	27	0.2	6.2	0.4	54	0.19	0.079
1320714	Soil	0.7	11.0	10.2	48	<0.1	14.0	6.8	284	2.08	7.6	0.4	9.2	2.2	16	0.2	0.7	0.3	53	0.14	0.031
1320693	Soil	1.1	127.5	15.9	35	0.3	10.2	43.8	916	9.16	48.4	2.3	33.7	2.9	342	0.3	1.1	1.0	151	1.84	0.243
1320711	Soil	1.7	10.4	13.4	47	<0.1	11.6	12.4	1208	2.63	17.2	0.5	3.5	1.6	16	0.6	1.1	0.3	68	0.15	0.046



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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1320702	Soil	12	23	1.28	386	0.104	<1	2.21	0.020	0.29	0.2	0.05	10.3	0.4	<0.05	9	0.6	0.3
1320699	Soil	13	42	1.00	203	0.116	2	2.57	0.028	0.15	0.3	0.07	5.8	0.3	<0.05	8	0.9	0.5
1320716	Soil	10	24	0.30	150	0.052	1	1.04	0.008	0.07	0.2	0.05	2.1	0.1	<0.05	6	<0.5	<0.2
1320713	Soil	10	28	0.44	205	0.034	1	1.30	0.009	0.06	0.2	0.05	2.3	0.1	<0.05	5	<0.5	<0.2
1320692	Soil	20	33	0.95	196	0.010	<1	3.88	0.059	0.03	0.1	0.04	9.9	0.1	<0.05	10	<0.5	0.5
1320715	Soil	9	21	0.17	275	0.019	2	0.82	0.012	0.05	0.1	0.11	1.4	<0.1	<0.05	3	<0.5	<0.2
1320697	Soil	10	28	0.96	199	0.062	2	2.69	0.045	0.09	0.1	0.11	5.1	0.2	0.06	8	0.6	0.5
1320707	Soil	12	30	0.52	275	0.037	1	1.78	0.016	0.06	0.2	0.10	3.3	0.2	<0.05	6	<0.5	<0.2
1320712	Soil	11	42	0.62	260	0.048	1	1.46	0.011	0.06	0.2	0.06	2.8	0.1	<0.05	5	<0.5	<0.2
1320719	Soil	12	38	0.62	282	0.055	1	1.75	0.011	0.08	0.2	0.05	3.7	0.1	<0.05	7	<0.5	<0.2
1320710	Soil	10	22	0.41	137	0.030	<1	1.23	0.010	0.05	0.3	0.07	2.0	0.1	<0.05	5	<0.5	<0.2
1320718	Soil	11	40	0.70	222	0.071	1	1.92	0.009	0.10	0.2	0.05	3.5	0.1	<0.05	7	<0.5	<0.2
1320709	Soil	10	24	0.36	218	0.014	<1	1.30	0.012	0.07	0.3	0.33	2.1	0.3	<0.05	6	1.0	<0.2
1320714	Soil	9	28	0.47	147	0.066	1	1.13	0.010	0.08	0.3	0.05	2.1	<0.1	<0.05	5	<0.5	<0.2
1320693	Soil	24	21	0.84	124	0.008	<1	3.48	0.069	0.09	<0.1	0.04	7.6	0.1	0.32	9	1.3	1.3
1320711	Soil	10	27	0.43	171	0.043	1	1.34	0.010	0.07	0.2	0.07	2.2	0.1	<0.05	6	<0.5	<0.2



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QUALITY CONTROL REPORT

DAW12000055.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
1322253	Soil	1.4	25.5	37.9	64	0.4	21.3	11.0	396	3.14	98.9	0.7	15.2	2.4	38	0.2	0.7	1.4	84	0.46	0.073
REP 1322253	QC	1.3	25.3	37.8	65	0.3	21.0	10.9	398	3.13	98.3	0.7	16.0	2.4	37	0.2	0.7	1.5	84	0.46	0.074
1322258	Soil	2.3	27.7	45.2	85	<0.1	29.7	13.1	528	2.96	62.9	0.8	22.1	3.3	14	0.4	1.2	0.6	69	0.13	0.024
REP 1322258	QC	2.3	28.0	45.2	86	<0.1	29.0	12.9	537	2.93	62.5	0.8	15.8	3.1	14	0.4	1.2	0.6	71	0.13	0.024
1321321	Soil	0.8	17.6	15.7	35	0.3	10.0	5.0	241	2.00	5.2	0.7	1.8	0.2	33	0.1	0.3	0.2	50	0.33	0.086
REP 1321321	QC	0.8	17.2	15.6	35	0.3	9.7	4.9	241	2.05	5.3	0.7	3.3	0.2	33	0.1	0.3	0.2	51	0.32	0.085
1321353	Soil	1.2	13.9	22.3	64	<0.1	17.8	8.9	324	3.27	15.4	0.4	113.7	2.4	27	0.4	0.6	0.4	74	0.18	0.098
REP 1321353	QC	1.3	13.6	22.2	61	<0.1	17.1	8.7	320	3.28	15.3	0.4	8.1	2.3	28	0.3	0.6	0.5	73	0.18	0.096
1320478	Soil	1.1	13.2	18.2	49	0.2	15.7	8.1	314	2.65	9.5	0.5	2.7	1.7	31	0.5	0.5	0.2	68	0.25	0.050
REP 1320478	QC	0.9	13.0	18.1	47	0.2	14.6	7.8	310	2.59	9.3	0.5	1.9	1.7	30	0.5	0.4	0.2	64	0.24	0.050
1320456	Soil	0.4	9.9	15.0	50	<0.1	11.9	26.9	939	4.00	83.8	0.3	26.4	1.6	309	0.2	0.3	2.0	113	0.77	0.126
REP 1320456	QC	0.4	9.6	15.4	49	0.1	11.8	26.9	936	4.01	85.8	0.4	29.2	1.6	311	0.1	0.3	2.0	114	0.77	0.129
1321349	Soil	1.7	12.8	77.2	60	0.3	16.9	13.8	586	2.67	55.2	0.7	4.6	1.8	24	0.2	3.7	0.3	63	0.23	0.064
REP 1321349	QC	1.6	12.4	78.2	60	0.3	16.3	13.6	568	2.62	53.5	0.7	5.4	1.7	23	0.2	3.6	0.3	62	0.22	0.061
1321331	Soil	1.4	29.4	13.3	76	0.3	22.2	14.2	694	3.51	15.8	1.4	4.0	2.7	39	0.3	1.1	0.4	85	0.49	0.069
REP 1321331	QC	1.3	29.5	13.2	77	0.3	21.9	14.4	696	3.51	15.6	1.4	4.1	2.7	38	0.3	1.1	0.3	85	0.49	0.070
1320203	Soil	1.0	27.7	12.8	80	0.2	16.0	11.3	556	3.36	10.0	0.6	40.7	0.2	88	0.5	0.6	0.3	98	0.56	0.153
REP 1320203	QC	1.2	27.8	13.1	81	0.2	15.7	11.3	549	3.42	10.1	0.6	14.2	0.2	92	0.6	0.7	0.3	100	0.56	0.150
1320206	Soil	1.5	59.1	21.3	75	0.2	25.4	15.4	1434	3.12	13.3	1.0	6.2	0.8	77	0.5	1.4	0.1	78	0.84	0.150
REP 1320206	QC	1.7	61.3	21.6	77	0.2	26.2	16.2	1466	3.21	13.8	1.0	5.0	0.9	82	0.5	1.5	0.1	82	0.88	0.151
1320748	Soil	1.1	17.0	22.4	48	0.2	15.9	5.3	262	2.21	12.0	1.0	4.5	1.9	48	0.3	0.4	0.2	52	0.25	0.036
REP 1320748	QC	1.2	16.8	22.9	48	0.2	16.1	5.5	253	2.18	12.1	1.0	2.2	2.0	47	0.3	0.4	0.2	52	0.26	0.037
1320728	Soil	1.1	21.5	13.8	51	<0.1	27.9	9.9	381	2.68	27.6	0.7	2.1	2.8	26	0.1	0.7	0.3	62	0.20	0.030
REP 1320728	QC	1.3	21.5	14.0	51	<0.1	28.1	10.2	377	2.72	28.0	0.7	5.1	2.9	25	0.1	0.8	0.3	62	0.20	0.031
1320247	Soil	1.2	19.4	22.1	66	0.2	18.3	9.2	479	2.86	18.1	0.7	5.2	1.9	22	0.4	0.5	0.4	70	0.18	0.044
REP 1320247	QC	1.2	18.3	21.7	65	0.2	16.6	8.8	480	2.80	17.8	0.7	2.6	1.8	21	0.5	0.6	0.3	69	0.17	0.044
1321754	Soil	0.8	16.9	13.2	42	0.1	13.6	7.0	238	2.23	4.2	0.9	5.0	2.2	64	0.1	0.2	0.3	63	0.57	0.066
REP 1321754	QC	0.8	17.3	14.0	44	0.1	14.3	7.3	262	2.38	4.0	0.9	3.5	2.3	67	0.2	0.3	0.3	66	0.62	0.073



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Project: CHA
 Report Date: July 11, 2012

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
1322253	Soil	12	33	0.67	297	0.080	1	1.88	0.017	0.10	0.2	0.03	4.5	0.2	0.06	6	<0.5	0.3
REP 1322253	QC	12	33	0.68	284	0.079	1	1.93	0.017	0.10	0.2	0.02	4.4	0.2	0.06	6	<0.5	0.2
1322258	Soil	14	34	0.40	229	0.043	<1	1.65	0.007	0.05	0.3	0.03	3.4	0.2	<0.05	6	<0.5	<0.2
REP 1322258	QC	14	34	0.40	229	0.042	<1	1.65	0.007	0.05	0.3	0.03	3.3	0.2	<0.05	5	<0.5	<0.2
1321321	Soil	9	18	0.36	163	0.030	<1	1.47	0.024	0.05	<0.1	0.03	2.5	0.1	<0.05	6	<0.5	<0.2
REP 1321321	QC	9	17	0.36	162	0.030	<1	1.44	0.024	0.05	<0.1	0.04	2.5	0.1	<0.05	6	<0.5	<0.2
1321353	Soil	10	27	0.49	207	0.054	<1	2.10	0.009	0.07	0.2	0.02	3.5	0.1	<0.05	7	<0.5	<0.2
REP 1321353	QC	10	26	0.50	205	0.052	1	1.97	0.010	0.07	0.2	0.02	3.4	0.1	<0.05	7	<0.5	<0.2
1320478	Soil	11	26	0.45	220	0.061	1	1.79	0.014	0.06	0.1	0.03	2.9	0.1	<0.05	6	<0.5	<0.2
REP 1320478	QC	11	26	0.43	220	0.059	1	1.76	0.013	0.06	0.1	0.03	2.8	0.1	<0.05	6	<0.5	<0.2
1320456	Soil	12	22	1.31	411	0.068	<1	2.95	0.019	0.13	<0.1	0.03	10.1	0.2	<0.05	9	<0.5	<0.2
REP 1320456	QC	13	22	1.32	419	0.068	1	3.06	0.018	0.13	0.1	0.03	10.3	0.2	<0.05	9	<0.5	<0.2
1321349	Soil	12	29	0.47	181	0.057	1	1.33	0.013	0.07	0.3	0.11	2.8	0.2	0.11	5	<0.5	<0.2
REP 1321349	QC	12	28	0.46	182	0.056	1	1.27	0.013	0.07	0.2	0.12	2.5	0.2	0.09	5	<0.5	<0.2
1321331	Soil	19	38	0.85	700	0.084	2	2.10	0.018	0.16	0.4	0.07	5.6	0.2	0.11	7	<0.5	<0.2
REP 1321331	QC	18	36	0.85	710	0.083	2	2.10	0.017	0.16	0.4	0.08	5.5	0.2	0.11	7	<0.5	<0.2
1320203	Soil	7	37	0.83	259	0.035	1	2.16	0.019	0.09	0.1	0.09	1.9	0.1	0.12	7	<0.5	<0.2
REP 1320203	QC	7	38	0.85	260	0.035	1	2.15	0.019	0.09	0.1	0.06	2.1	0.1	0.11	7	0.5	<0.2
1320206	Soil	9	29	0.95	394	0.057	2	2.25	0.019	0.18	0.2	0.11	4.6	0.3	0.11	6	<0.5	<0.2
REP 1320206	QC	9	31	0.96	403	0.059	3	2.28	0.019	0.19	0.2	0.08	4.9	0.2	0.09	6	<0.5	<0.2
1320748	Soil	12	27	0.37	246	0.036	1	1.56	0.011	0.06	0.2	0.03	3.1	0.1	<0.05	6	<0.5	<0.2
REP 1320748	QC	12	26	0.37	251	0.036	<1	1.58	0.011	0.07	0.2	0.04	3.2	0.1	<0.05	6	<0.5	<0.2
1320728	Soil	18	32	0.51	224	0.040	2	1.87	0.008	0.08	<0.1	0.01	4.1	0.2	<0.05	5	<0.5	<0.2
REP 1320728	QC	18	33	0.51	225	0.040	<1	1.86	0.009	0.09	<0.1	0.03	4.0	0.3	<0.05	5	<0.5	<0.2
1320247	Soil	12	28	0.44	223	0.068	1	1.88	0.010	0.09	0.1	0.03	3.8	0.2	<0.05	7	<0.5	<0.2
REP 1320247	QC	12	29	0.43	214	0.065	1	1.82	0.009	0.09	0.1	0.03	3.6	0.2	<0.05	7	<0.5	<0.2
1321754	Soil	11	25	0.66	202	0.077	<1	1.43	0.017	0.08	0.2	0.03	3.5	0.2	<0.05	5	0.8	<0.2
REP 1321754	QC	11	27	0.69	201	0.084	<1	1.49	0.018	0.09	0.2	0.03	4.0	0.2	<0.05	5	<0.5	<0.2

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: CHA
 Report Date: July 11, 2012

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QUALITY CONTROL REPORT

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		1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 U ppm 0.1	1DX15 Au ppb 0.5	1DX15 Th ppm 0.1	1DX15 Sr ppm 1	1DX15 Cd ppm 0.1	1DX15 Sb ppm 0.1	1DX15 Bi ppm 0.1	1DX15 V ppm 2	1DX15 Ca % 0.01	1DX15 P % 0.001
1320920	Soil	1.6	30.3	17.3	75	0.2	28.7	14.2	838	3.25	17.1	0.7	21.0	0.4	42	0.6	1.0	0.2	90	0.52	0.134
REP 1320920	QC	1.4	30.7	17.1	75	0.2	28.1	14.3	852	3.36	17.2	0.7	9.5	0.4	43	0.6	0.9	0.2	94	0.54	0.138
1320722	Soil	1.0	15.3	13.2	50	0.3	16.7	7.6	241	2.57	10.5	0.6	1.9	1.9	15	0.2	0.5	0.2	68	0.18	0.034
REP 1320722	QC	1.1	14.8	13.0	49	0.2	16.5	7.5	231	2.38	10.5	0.6	1.5	1.9	17	0.2	0.6	0.2	68	0.18	0.033
1320695	Soil	32.7	15.3	11.8	33	0.2	9.7	28.7	351	16.13	124.4	2.1	44.8	2.5	307	0.2	0.9	1.8	294	1.04	0.390
REP 1320695	QC	32.9	15.0	12.4	34	0.2	9.7	28.3	343	15.33	123.4	2.0	48.3	2.4	305	0.2	0.8	1.7	290	1.08	0.395
1320694	Soil	1.8	11.1	12.1	45	0.1	11.9	31.8	781	5.05	18.5	0.7	6.4	1.6	587	0.2	0.6	0.7	91	1.43	0.233
REP 1320694	QC	1.9	11.7	12.2	46	0.1	13.1	33.4	819	5.18	18.8	0.7	6.6	1.6	588	0.2	0.6	0.7	98	1.45	0.223
Reference Materials																					
STD DS9	Standard	14.5	113.7	123.3	310	1.9	44.5	8.2	599	2.45	24.3	2.7	117.7	6.4	73	2.4	5.4	5.9	54	0.77	0.084
STD DS9	Standard	12.7	101.2	119.2	289	1.8	36.2	7.3	529	2.18	23.8	2.9	109.3	6.9	79	2.3	5.9	6.7	38	0.70	0.078
STD DS9	Standard	12.5	102.1	119.7	289	1.8	37.5	7.0	572	2.26	24.8	2.8	119.0	6.8	72	2.3	5.7	6.9	40	0.72	0.083
STD DS9	Standard	14.6	111.9	120.0	321	2.0	43.7	8.4	625	2.51	28.3	2.7	138.3	6.4	79	2.7	5.8	6.5	47	0.80	0.090
STD DS9	Standard	13.6	114.7	116.5	287	1.8	42.3	7.9	566	2.25	23.3	2.6	105.8	6.1	60	2.2	4.9	6.0	43	0.66	0.076
STD DS9	Standard	12.9	108.6	123.7	301	1.9	39.9	7.7	559	2.24	24.0	2.6	108.6	5.9	62	2.4	4.9	5.0	40	0.66	0.079
STD DS9	Standard	13.9	109.7	122.1	299	1.9	41.5	7.8	573	2.30	24.8	2.7	127.7	6.1	69	2.4	5.2	5.1	42	0.71	0.081
STD DS9	Standard	14.7	118.7	131.8	328	1.9	45.3	8.5	626	2.46	26.5	2.9	134.4	6.7	71	2.4	5.5	6.2	46	0.80	0.086
STD DS9	Standard	11.5	102.8	121.5	300	1.9	39.2	7.4	566	2.29	25.4	2.6	115.0	6.4	86	2.4	5.9	7.2	40	0.74	0.078
STD DS9 Expected		12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank	<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	3	<0.01	<0.001
BLK	Blank	<0.1	0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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QUALITY CONTROL REPORT

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		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
1320920	Soil	13	37	0.79	316	0.038	1	2.15	0.010	0.09	0.3	0.08	2.6	0.1	0.08	7	<0.5	<0.2
REP 1320920	QC	13	39	0.75	326	0.039	2	2.05	0.010	0.10	0.3	0.07	2.6	0.2	0.09	7	<0.5	<0.2
1320722	Soil	10	31	0.49	213	0.053	<1	1.52	0.008	0.05	0.2	0.05	2.6	0.1	<0.05	6	<0.5	<0.2
REP 1320722	QC	11	30	0.47	210	0.054	<1	1.45	0.008	0.05	0.2	0.03	2.6	0.1	<0.05	6	<0.5	<0.2
1320695	Soil	80	20	1.55	146	0.011	<1	3.28	0.301	0.16	<0.1	0.02	10.1	0.2	1.35	15	5.9	2.1
REP 1320695	QC	79	21	1.66	145	0.011	<1	3.56	0.316	0.16	<0.1	0.03	10.5	0.1	1.47	14	6.5	1.9
1320694	Soil	9	23	1.23	156	0.009	<1	3.34	0.040	0.04	<0.1	0.04	7.1	0.1	<0.05	9	<0.5	0.7
REP 1320694	QC	9	24	1.20	157	0.009	<1	3.22	0.037	0.04	<0.1	0.05	7.3	0.1	<0.05	9	<0.5	0.6
Reference Materials																		
STD DS9	Standard	15	132	0.69	310	0.121	4	1.07	0.111	0.40	2.9	0.21	3.1	5.6	0.09	5	5.5	4.9
STD DS9	Standard	15	113	0.60	294	0.121	3	0.94	0.088	0.37	2.8	0.22	3.1	5.2	0.11	5	5.0	4.9
STD DS9	Standard	14	115	0.62	302	0.109	3	0.95	0.095	0.37	2.7	0.20	3.1	5.5	0.14	5	5.1	4.8
STD DS9	Standard	15	132	0.67	329	0.125	3	1.06	0.103	0.42	3.1	0.20	3.6	5.8	0.21	5	4.8	5.3
STD DS9	Standard	12	126	0.60	282	0.112	2	0.87	0.079	0.34	3.0	0.20	2.3	5.3	0.18	4	5.1	5.0
STD DS9	Standard	12	121	0.61	277	0.100	3	0.88	0.073	0.34	2.6	0.21	2.4	5.6	0.15	4	6.1	4.8
STD DS9	Standard	13	125	0.62	306	0.111	3	0.94	0.083	0.36	3.0	0.21	2.7	5.5	0.15	5	5.0	5.5
STD DS9	Standard	14	139	0.68	321	0.122	2	1.06	0.100	0.37	3.3	0.24	2.8	6.0	0.25	5	6.7	5.4
STD DS9	Standard	14	114	0.62	314	0.119	2	1.04	0.092	0.41	3.1	0.20	3.8	5.7	0.11	5	5.0	4.6
STD DS9 Expected		13.3	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	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Andy Randell
Receiving Lab: Canada-Dawson City
Received: June 29, 2012
Report Date: July 09, 2012
Page: 1 of 5

CERTIFICATE OF ANALYSIS

DAW12000070.1

CLIENT JOB INFORMATION

Project: CHA
Shipment ID:
P.O. Number
Number of Samples: 97

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

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

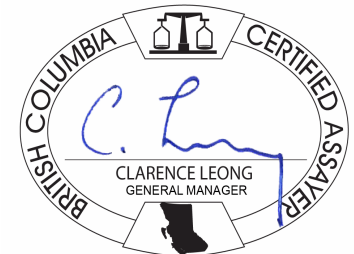
Invoice To: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Dave Schmidt

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	97	Dry at 60C			DAW
SS80	97	Dry at 60C sieve 100g to -80 mesh			DAW
RJSV	97	Saving all or part of Soil Reject			DAW
1DX2	97	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: CHA
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CERTIFICATE OF ANALYSIS

DAW12000070.1

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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1321375	Soil		1.2	15.9	8.6	39	0.1	18.9	10.2	244	3.26	20.0	0.4	4.4	1.3	28	0.1	0.5	0.5	80	0.24	0.049
1321374	Soil		1.2	16.7	10.6	41	0.1	20.1	10.3	252	3.24	18.1	0.4	4.2	1.3	29	0.2	0.6	0.4	79	0.25	0.044
1321479	Soil		2.4	43.8	21.7	74	0.2	34.1	14.8	680	3.28	24.2	1.5	5.6	2.3	32	0.3	1.3	0.3	84	0.39	0.075
1321477	Soil		2.3	41.5	25.7	59	0.2	23.0	9.7	417	3.58	43.6	1.0	6.2	4.1	32	0.2	2.1	1.1	74	0.20	0.060
1321480	Soil		1.7	20.6	13.1	49	0.1	23.2	10.0	319	3.00	16.2	0.6	3.2	1.9	23	0.2	0.6	0.2	75	0.22	0.049
1321481	Soil		1.2	15.9	21.6	38	0.1	12.4	9.7	512	1.91	9.0	0.4	2.0	1.5	17	0.3	0.4	0.2	55	0.17	0.037
1321485	Soil		2.7	57.2	12.8	62	0.4	22.9	8.2	267	3.75	69.3	1.3	15.0	7.0	41	0.1	1.5	5.9	51	0.16	0.061
1321476	Soil		1.4	18.8	14.7	52	0.1	21.7	10.8	308	3.29	16.8	0.4	3.2	1.6	23	0.2	0.6	0.4	86	0.21	0.038
1321478	Soil		3.0	51.5	15.6	64	0.2	34.8	18.3	497	3.48	28.0	1.6	9.7	2.4	31	0.2	1.5	0.5	79	0.22	0.083
1321482	Soil		1.6	35.0	12.5	56	0.2	22.1	9.2	384	2.53	24.6	0.9	4.4	1.8	21	0.2	1.1	0.2	63	0.26	0.053
1321372	Soil		1.3	22.2	10.9	50	0.2	18.8	12.3	453	3.14	29.3	0.6	4.9	1.2	23	0.3	0.5	0.3	79	0.17	0.059
1321373	Soil		2.2	36.0	22.4	49	0.2	17.8	13.4	499	3.58	31.6	0.6	7.0	1.6	40	0.4	0.7	0.9	106	0.26	0.059
1322013	Soil		2.7	68.0	16.3	53	0.6	32.7	12.0	279	3.26	21.1	2.2	8.7	3.2	30	0.2	0.7	0.7	81	0.45	0.059
1320488	Soil		1.8	29.5	448.1	60	1.6	27.2	10.8	447	3.10	23.8	0.7	17.0	3.6	12	0.2	3.4	0.8	72	0.12	0.049
1320486	Soil		2.1	21.6	291.5	39	1.3	10.5	9.4	628	2.22	21.5	0.5	18.8	0.6	10	0.1	2.0	1.0	48	0.09	0.070
1320485	Soil		2.1	28.7	61.1	56	0.4	22.1	13.0	466	3.11	25.0	0.7	22.9	2.2	30	0.4	1.6	1.4	71	0.20	0.068
1322005	Soil		1.9	67.6	12.8	46	0.3	28.7	7.8	225	2.71	11.7	1.2	2.7	1.3	20	0.2	0.5	0.2	93	0.34	0.100
1320499	Soil		2.0	32.1	15.6	44	0.3	19.2	10.2	368	2.50	19.7	1.0	3.5	0.8	30	0.2	0.7	0.7	71	0.27	0.067
1322012	Soil		2.9	50.3	15.9	54	0.6	26.5	12.3	455	2.93	13.2	2.1	4.9	2.6	30	0.1	0.5	0.7	80	0.38	0.068
1320495	Soil		1.4	28.0	14.9	51	0.1	21.3	13.5	416	3.23	20.0	0.7	5.2	3.3	20	0.1	0.6	0.4	88	0.19	0.037
1320490	Soil		1.8	18.4	75.2	54	0.8	17.1	8.6	313	3.34	14.9	0.5	4.5	2.1	12	0.4	1.0	0.4	93	0.11	0.040
1320487	Soil		2.2	21.8	233.8	56	0.8	18.6	9.9	395	2.92	20.4	0.5	10.4	2.6	12	0.2	2.1	0.7	72	0.10	0.040
1320484	Soil		1.6	21.8	23.8	47	0.2	23.4	11.4	309	3.13	15.3	0.6	9.8	3.5	19	0.1	0.8	0.4	78	0.13	0.033
1320497	Soil		1.5	14.8	16.0	32	0.2	10.1	5.9	310	2.49	10.0	0.3	2.6	1.5	14	0.4	0.4	0.3	89	0.12	0.030
1322003	Soil		1.6	24.4	10.7	35	0.3	15.4	5.8	166	2.03	7.5	0.6	2.3	0.9	21	0.5	0.4	0.2	62	0.16	0.039
1322001	Soil		1.2	456.0	20.0	146	0.2	217.8	80.5	787	15.11	3.0	1.2	33.1	7.1	14	<0.1	0.2	0.1	217	0.28	0.041
1320491	Soil		2.0	30.2	91.3	78	0.5	22.0	12.0	774	3.22	45.9	0.8	8.5	1.5	13	0.2	2.5	0.9	76	0.11	0.055
1322004	Soil		2.5	46.0	17.0	46	0.5	18.3	26.9	1151	2.28	7.5	1.2	3.6	0.9	32	0.1	0.4	0.1	63	0.41	0.079
1322006	Soil		1.2	32.9	21.1	60	0.3	21.1	11.7	448	2.96	10.1	0.8	3.3	2.3	25	0.1	0.7	0.3	80	0.50	0.058
1320493	Soil		1.5	21.3	22.4	53	0.3	19.9	9.7	399	2.95	20.4	0.6	3.2	1.6	10	0.2	0.8	0.3	75	0.11	0.056



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Project: CHA
 Report Date: July 09, 2012

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Part: 2 of 2

CERTIFICATE OF ANALYSIS

DAW12000070.1

Method	Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15		
				La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
				ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm		
				1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.05	1	0.5	0.2		
1321375	Soil			6	29	0.63	179	0.074	<1	2.59	0.013	0.04	0.1	0.05	3.4	0.1	0.06	6	0.6	0.2
1321374	Soil			7	30	0.58	204	0.065	<1	2.38	0.011	0.04	0.1	0.04	3.1	0.2	0.08	7	<0.5	0.3
1321479	Soil			14	35	0.75	353	0.045	<1	2.11	0.012	0.11	0.3	0.04	5.2	0.2	0.06	7	<0.5	<0.2
1321477	Soil			18	32	0.60	256	0.031	1	1.58	0.014	0.11	0.3	0.03	3.8	0.2	0.20	5	<0.5	<0.2
1321480	Soil			9	33	0.54	199	0.055	<1	1.73	0.009	0.06	0.2	0.04	2.9	0.1	0.06	6	<0.5	<0.2
1321481	Soil			8	20	0.30	137	0.050	<1	1.07	0.011	0.06	0.1	0.03	2.0	<0.1	<0.05	5	<0.5	<0.2
1321485	Soil			19	26	0.55	266	0.020	<1	1.44	0.017	0.24	0.1	0.01	3.1	0.2	0.53	4	1.5	0.3
1321476	Soil			9	34	0.61	270	0.048	<1	2.07	0.008	0.04	0.2	0.03	3.3	0.2	0.06	7	<0.5	<0.2
1321478	Soil			12	34	0.67	264	0.043	<1	1.78	0.013	0.12	0.2	0.04	3.8	0.1	0.16	6	0.6	<0.2
1321482	Soil			12	28	0.50	221	0.035	<1	1.44	0.011	0.06	0.2	0.03	3.0	0.1	0.05	5	<0.5	<0.2
1321372	Soil			11	34	0.56	150	0.044	<1	2.13	0.010	0.05	0.2	0.05	3.4	0.2	0.08	7	<0.5	<0.2
1321373	Soil			9	34	0.73	199	0.081	<1	1.94	0.018	0.06	0.2	0.04	4.7	0.2	0.10	8	<0.5	0.2
1322013	Soil			15	47	0.85	311	0.065	1	2.03	0.011	0.11	0.1	0.07	5.6	0.2	0.06	7	0.9	<0.2
1320488	Soil			14	36	0.49	360	0.060	1	1.81	0.010	0.09	0.3	0.11	4.0	0.2	0.14	5	<0.5	<0.2
1320486	Soil			7	18	0.25	195	0.038	<1	1.26	0.018	0.07	0.2	0.08	1.5	0.2	0.16	5	0.6	0.4
1320485	Soil			11	33	0.52	410	0.050	2	1.64	0.014	0.10	0.6	0.05	3.9	0.2	0.15	5	<0.5	0.5
1322005	Soil			10	36	0.65	233	0.051	<1	1.72	0.010	0.06	0.1	0.04	3.7	0.2	<0.05	6	<0.5	<0.2
1320499	Soil			11	29	0.47	303	0.030	<1	1.61	0.012	0.06	<0.1	0.05	2.9	0.1	0.08	6	<0.5	<0.2
1322012	Soil			18	38	0.70	455	0.050	1	2.26	0.012	0.08	<0.1	0.07	6.0	0.2	0.07	7	0.6	<0.2
1320495	Soil			13	37	0.62	218	0.078	<1	2.19	0.013	0.05	0.2	0.02	4.3	0.2	<0.05	7	<0.5	<0.2
1320490	Soil			10	35	0.38	347	0.055	<1	2.22	0.007	0.04	0.2	0.05	3.0	0.2	0.06	9	<0.5	<0.2
1320487	Soil			10	30	0.40	243	0.060	<1	1.72	0.015	0.08	0.2	0.04	3.0	0.2	0.13	6	0.5	0.3
1320484	Soil			12	38	0.48	323	0.065	1	2.36	0.010	0.05	0.2	0.05	3.7	0.2	0.07	6	<0.5	<0.2
1320497	Soil			9	21	0.28	125	0.079	<1	1.09	0.010	0.04	0.1	0.02	2.1	0.1	<0.05	8	<0.5	<0.2
1322003	Soil			10	26	0.42	232	0.056	<1	1.44	0.010	0.06	0.1	0.05	3.1	0.1	<0.05	6	<0.5	<0.2
1322001	Soil			17	681	0.13	141	0.149	4	3.90	0.013	0.06	<0.1	0.04	37.3	0.1	<0.05	20	<0.5	<0.2
1320491	Soil			12	34	0.44	380	0.037	<1	2.10	0.008	0.06	0.2	0.04	2.8	0.2	0.08	7	<0.5	<0.2
1322004	Soil			9	32	0.59	381	0.050	1	1.74	0.014	0.08	0.1	0.07	4.0	0.2	0.08	5	<0.5	<0.2
1322006	Soil			11	35	0.86	263	0.052	<1	1.92	0.012	0.14	0.1	0.05	5.3	0.2	<0.05	6	<0.5	<0.2
1320493	Soil			11	35	0.39	202	0.052	1	2.28	0.009	0.04	0.1	0.06	3.0	0.1	0.06	7	0.5	<0.2

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: CHA
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Part: 1 of 2

CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1320482	Soil	2.0	23.3	18.3	42	0.3	17.4	9.1	258	2.81	16.7	0.7	8.7	2.7	14	0.3	0.7	0.3	73	0.11	0.049
1320494	Soil	1.7	24.7	26.2	64	0.3	18.4	15.2	1528	3.08	21.3	0.6	5.1	0.5	22	0.7	0.8	0.8	82	0.16	0.111
1320496	Soil	1.6	34.6	17.8	54	0.2	21.9	13.3	463	3.43	21.3	1.0	5.8	1.6	39	0.1	0.7	0.5	92	0.37	0.087
1320483	Soil	4.1	52.4	54.4	58	0.6	24.0	19.5	722	3.66	30.5	1.5	34.0	2.3	48	0.2	1.6	1.1	82	0.23	0.091
1322009	Soil	1.6	30.8	13.5	58	<0.1	26.7	13.9	480	3.36	17.7	0.7	3.0	3.5	17	0.2	0.9	0.4	86	0.23	0.040
1320492	Soil	3.1	30.1	112.2	59	0.7	22.3	10.1	300	3.58	129.5	0.8	21.8	4.5	16	0.3	4.2	1.5	74	0.12	0.049
1320498	Soil	1.3	31.6	17.6	56	0.2	23.2	10.6	256	3.49	18.2	1.0	7.0	2.4	30	0.7	0.7	0.5	88	0.23	0.049
1322011	Soil	1.4	24.8	17.6	60	0.3	18.3	10.9	414	2.55	15.3	1.1	5.4	1.8	24	0.3	0.6	0.5	63	0.26	0.060
1320500	Soil	1.7	30.5	15.4	66	0.3	25.6	12.3	504	2.92	16.3	1.3	3.8	2.0	39	0.2	0.7	0.3	74	0.38	0.063
1322007	Soil	1.1	31.2	11.2	50	<0.1	22.6	12.6	447	4.24	13.3	0.7	2.5	3.0	25	0.1	0.8	0.5	101	0.45	0.088
1322008	Soil	0.8	19.9	13.6	59	<0.1	9.3	19.6	464	6.99	4.4	0.3	1.2	1.6	16	0.2	0.3	<0.1	194	0.24	0.029
1321365	Soil	2.4	31.8	33.0	68	0.2	19.9	14.1	450	3.27	30.1	0.9	13.6	1.1	28	0.2	1.5	0.9	85	0.15	0.074
1322002	Soil	1.5	28.3	14.7	60	0.2	21.8	11.0	430	2.83	16.2	0.9	5.1	2.4	34	0.2	0.9	0.3	73	0.34	0.062
1321362	Soil	1.5	29.3	49.9	60	0.3	19.8	14.2	532	3.33	17.2	1.1	10.8	1.7	56	0.5	1.1	0.6	85	0.25	0.097
1322010	Soil	1.3	31.6	13.4	71	0.3	18.3	13.8	420	3.13	11.4	1.0	9.4	2.6	27	0.2	0.6	0.5	83	0.41	0.065
1320489	Soil	1.6	28.7	426.0	115	1.7	21.1	15.7	1528	3.10	18.8	0.7	3.2	0.7	18	0.9	2.8	0.8	73	0.13	0.097
1321366	Soil	1.9	24.5	37.2	56	0.3	18.4	11.7	464	3.34	28.3	0.6	8.2	0.8	45	0.4	1.5	0.8	82	0.29	0.073
1321369	Soil	1.4	26.2	24.1	60	0.2	20.5	20.8	986	3.37	20.1	0.9	12.3	1.1	40	0.7	0.9	0.8	77	0.20	0.099
1321364	Soil	3.0	26.2	26.6	42	0.6	13.3	9.5	243	3.28	37.4	0.8	15.2	1.0	28	0.4	2.4	1.3	87	0.13	0.075
1321363	Soil	3.8	19.2	36.8	46	0.5	13.0	6.9	280	3.60	23.4	0.6	7.1	1.7	21	0.1	2.4	1.1	112	0.12	0.052
1321368	Soil	1.2	19.4	12.9	51	0.1	20.5	11.0	375	3.06	12.6	0.6	1.5	1.3	24	0.4	0.6	0.4	76	0.14	0.046
1321371	Soil	1.4	16.2	13.1	49	<0.1	20.1	11.8	397	3.05	14.9	0.7	3.8	2.4	16	0.2	0.6	0.3	74	0.15	0.049
1321370	Soil	1.2	19.9	14.6	42	0.3	15.0	11.5	323	2.95	16.7	0.8	18.2	0.4	27	0.3	0.7	2.8	66	0.18	0.113
1321367	Soil	1.8	19.2	15.4	44	0.1	18.3	9.4	266	2.84	11.4	0.6	2.7	1.5	26	0.1	0.6	0.4	69	0.18	0.046
1321379	Soil	0.2	28.4	8.1	49	<0.1	13.1	14.4	556	3.53	2.1	0.2	<0.5	1.0	19	0.2	0.5	0.1	95	0.36	0.095
1321361	Soil	0.9	24.9	18.4	52	0.4	15.6	4.8	141	2.19	13.7	1.2	3.6	0.5	19	0.2	0.6	0.6	59	0.18	0.055
1321380	Soil	0.7	34.0	14.9	68	<0.1	20.2	16.2	573	3.73	9.3	0.5	3.7	3.3	20	0.3	0.8	0.4	88	0.29	0.055
1321359	Soil	1.4	18.0	13.1	51	0.2	20.0	7.6	348	2.45	13.3	0.8	2.1	0.9	20	0.3	0.7	0.4	78	0.20	0.055
1321360	Soil	1.0	30.8	21.8	62	0.4	18.3	7.7	360	2.63	18.8	1.7	5.8	1.5	25	0.3	0.8	0.8	63	0.25	0.054
1321376	Soil	1.0	18.2	16.7	58	0.1	16.2	7.5	278	2.48	11.1	0.8	3.5	1.4	18	0.2	0.5	0.2	62	0.20	0.042



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1320482	Soil	11	33	0.37	217	0.051	<1	2.18	0.009	0.05	0.2	0.08	3.1	0.2	0.06	6	0.5	<0.2
1320494	Soil	10	30	0.40	342	0.045	<1	1.88	0.010	0.06	0.1	0.05	2.4	0.2	0.10	7	<0.5	<0.2
1320496	Soil	12	34	0.76	423	0.057	<1	2.32	0.015	0.08	0.2	0.06	6.1	0.2	0.10	7	<0.5	<0.2
1320483	Soil	14	36	0.52	1333	0.037	1	2.23	0.016	0.09	0.3	0.07	5.9	0.3	0.15	7	0.7	0.4
1322009	Soil	11	39	0.66	241	0.060	<1	2.06	0.009	0.08	0.1	0.03	4.8	0.2	<0.05	6	<0.5	<0.2
1320492	Soil	13	35	0.43	190	0.065	<1	1.69	0.009	0.08	0.3	0.05	3.3	0.2	0.12	6	1.0	<0.2
1320498	Soil	14	39	0.66	321	0.057	<1	2.70	0.012	0.06	0.2	0.04	5.1	0.1	<0.05	8	0.5	<0.2
1322011	Soil	13	30	0.57	446	0.029	<1	1.93	0.009	0.07	0.1	0.07	4.3	0.2	<0.05	6	<0.5	<0.2
1320500	Soil	13	35	0.66	325	0.052	<1	2.24	0.011	0.08	0.2	0.05	4.6	0.2	<0.05	7	0.5	<0.2
1322007	Soil	10	96	1.33	397	0.117	<1	2.25	0.014	0.34	0.1	0.02	8.4	0.4	<0.05	8	<0.5	<0.2
1322008	Soil	3	23	2.28	482	0.323	<1	3.93	0.011	0.58	0.1	0.01	9.3	0.3	<0.05	12	<0.5	<0.2
1321365	Soil	10	33	0.63	181	0.063	<1	2.27	0.015	0.07	0.3	0.08	4.0	0.2	0.12	7	<0.5	<0.2
1322002	Soil	11	32	0.65	262	0.064	<1	1.84	0.015	0.08	0.2	0.05	4.4	0.1	<0.05	6	<0.5	<0.2
1321362	Soil	11	30	0.66	280	0.063	<1	2.25	0.024	0.06	0.2	0.06	4.4	0.1	0.07	6	<0.5	0.2
1322010	Soil	11	40	1.01	428	0.090	<1	2.15	0.013	0.17	0.1	0.05	6.6	0.3	<0.05	7	<0.5	<0.2
1320489	Soil	12	32	0.42	704	0.036	<1	2.38	0.008	0.08	0.2	0.08	2.7	0.2	0.10	7	<0.5	<0.2
1321366	Soil	9	31	0.55	302	0.044	<1	2.40	0.013	0.06	0.5	0.09	3.1	0.2	0.09	7	0.6	0.2
1321369	Soil	12	32	0.68	264	0.055	<1	2.61	0.025	0.08	0.6	0.09	5.3	0.2	0.12	6	0.7	0.2
1321364	Soil	10	28	0.37	217	0.053	<1	1.82	0.010	0.07	0.2	0.09	3.5	0.3	0.12	7	0.6	<0.2
1321363	Soil	11	26	0.28	362	0.071	<1	1.51	0.008	0.06	0.2	0.06	2.8	0.2	0.06	10	<0.5	0.3
1321368	Soil	11	33	0.50	196	0.051	<1	2.39	0.009	0.04	0.2	0.03	3.2	0.2	<0.05	7	<0.5	<0.2
1321371	Soil	12	33	0.57	194	0.059	<1	2.41	0.012	0.05	0.3	0.04	4.1	0.1	<0.05	6	0.5	<0.2
1321370	Soil	8	29	0.56	216	0.040	<1	2.33	0.015	0.07	0.5	0.11	3.2	0.2	0.14	6	1.0	0.3
1321367	Soil	10	29	0.44	182	0.055	<1	2.22	0.011	0.04	0.2	0.06	3.3	0.1	<0.05	6	<0.5	<0.2
1321379	Soil	3	30	1.29	611	0.097	<1	2.10	0.011	0.51	<0.1	<0.01	9.1	0.3	<0.05	7	<0.5	<0.2
1321361	Soil	9	27	0.44	271	0.021	<1	1.91	0.009	0.06	0.1	0.06	2.7	0.2	<0.05	7	<0.5	<0.2
1321380	Soil	9	36	1.31	266	0.111	<1	2.83	0.008	0.32	0.1	0.01	7.0	0.2	<0.05	8	<0.5	<0.2
1321359	Soil	10	28	0.48	169	0.038	<1	1.63	0.009	0.08	0.1	0.03	2.8	0.1	<0.05	6	<0.5	<0.2
1321360	Soil	12	30	0.55	270	0.032	<1	2.04	0.010	0.08	0.2	0.06	4.4	0.1	<0.05	6	<0.5	<0.2
1321376	Soil	12	28	0.52	224	0.043	<1	1.75	0.012	0.06	0.1	0.03	3.4	0.1	<0.05	6	<0.5	<0.2



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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1321377	Soil	0.9	33.5	18.8	58	0.1	18.2	10.3	444	2.86	9.0	0.8	1.7	3.7	26	0.2	0.8	0.3	62	0.34	0.056
1321483	Soil	1.2	33.1	12.8	58	0.2	20.4	8.8	448	2.74	19.1	1.1	2.0	1.9	23	0.1	1.0	0.5	62	0.26	0.051
1321484	Soil	0.9	20.4	14.9	56	0.2	20.4	9.1	457	2.63	15.9	0.8	2.0	2.5	19	0.3	0.8	0.3	62	0.21	0.044
1322294	Soil	1.2	34.2	13.0	55	0.2	21.7	8.6	343	2.62	15.2	0.9	4.4	1.6	23	0.1	0.8	0.7	77	0.29	0.067
1322297	Soil	0.7	16.5	15.2	50	<0.1	14.8	9.1	390	2.37	9.4	0.6	1.1	2.9	20	0.2	0.7	0.3	53	0.28	0.056
1322299	Soil	0.8	50.2	17.5	64	<0.1	21.7	16.9	428	3.59	6.7	0.5	0.9	2.8	34	0.2	0.4	0.2	92	0.52	0.060
1322298	Soil	0.9	19.0	17.7	58	0.2	16.5	10.1	479	2.69	8.7	0.7	2.0	2.1	22	0.2	0.5	0.2	64	0.26	0.045
1322295	Soil	0.8	34.5	17.5	53	0.3	18.3	11.2	624	2.77	19.3	1.0	3.6	2.2	24	0.2	0.9	0.6	61	0.30	0.048
1322281	Soil	1.5	22.1	28.0	63	0.2	20.8	12.2	393	3.55	34.8	0.7	64.0	2.6	30	0.2	2.1	1.1	77	0.18	0.055
1322296	Soil	1.7	52.3	12.4	62	0.2	24.2	18.8	677	3.55	29.0	1.3	23.3	6.1	19	0.2	1.7	0.6	60	0.31	0.087
1322300	Soil	0.9	45.1	16.6	60	<0.1	27.2	11.9	376	3.20	9.6	0.6	2.9	3.8	24	<0.1	0.6	0.3	69	0.33	0.041
1322293	Soil	1.2	86.3	13.6	51	0.9	18.4	5.6	239	2.51	13.6	1.5	4.7	0.3	24	0.3	0.7	0.8	60	0.22	0.062
1322292	Soil	1.5	45.0	14.5	53	0.2	24.1	12.3	385	2.85	14.9	1.0	3.3	2.3	19	0.2	0.9	0.4	66	0.28	0.051
1322301	Soil	1.6	462.9	21.0	154	0.2	226.8	81.5	828	15.91	2.8	1.2	33.3	7.0	14	<0.1	0.3	0.2	222	0.30	0.045
1322290	Soil	2.0	42.4	19.1	65	0.2	25.6	9.8	409	2.77	14.9	1.1	4.1	1.7	28	0.2	0.7	0.2	78	0.36	0.072
1322282	Soil	1.8	39.4	21.1	63	0.3	26.0	17.2	608	4.18	37.4	1.0	11.2	1.9	52	0.3	1.1	0.9	108	0.41	0.074
1322285	Soil	1.5	21.1	15.6	55	0.1	23.5	14.2	696	3.18	18.7	0.6	5.2	0.7	25	0.5	0.6	0.3	76	0.26	0.110
1322287	Soil	1.9	18.6	15.3	59	0.1	16.8	7.4	314	3.03	15.4	0.6	2.7	1.1	19	0.6	0.6	0.3	82	0.16	0.060
1322286	Soil	2.4	27.6	17.5	57	0.3	19.5	8.3	541	3.15	28.4	0.6	3.0	0.5	38	0.5	1.0	1.1	79	0.33	0.078
1322288	Soil	2.1	31.4	13.4	64	<0.1	28.0	12.7	482	3.17	24.7	1.0	5.1	3.1	26	0.2	1.2	0.5	83	0.29	0.079
1322289	Soil	1.2	25.1	10.5	55	0.1	24.1	10.2	377	2.73	11.6	0.8	7.6	3.1	25	0.2	0.7	0.2	74	0.35	0.081
1322291	Soil	1.5	62.0	10.6	50	0.5	22.7	6.8	230	2.28	10.9	1.6	3.2	0.5	24	0.2	0.5	0.2	64	0.29	0.077
1321378	Soil	0.9	17.8	30.6	86	<0.1	19.8	12.5	617	5.32	7.1	0.4	0.8	2.5	16	0.5	0.5	0.1	142	0.24	0.046
1322284	Soil	1.5	18.1	14.3	56	<0.1	22.2	11.3	370	3.54	21.6	0.5	3.6	2.8	28	0.3	0.6	0.4	93	0.22	0.043
1322270	Soil	2.1	25.0	55.5	55	0.4	20.3	13.2	464	3.48	28.3	0.5	6.1	1.0	51	0.6	2.0	0.9	95	0.46	0.093
1322271	Soil	2.5	15.7	45.5	38	0.2	12.3	5.7	247	2.86	11.2	0.5	2.8	1.0	20	0.2	0.8	0.3	89	0.13	0.055
1322274	Soil	2.1	30.3	38.3	58	0.4	22.5	14.8	433	3.56	27.7	1.0	18.6	2.2	32	0.2	1.5	1.2	88	0.16	0.064
1322283	Soil	1.8	27.9	74.7	77	0.2	21.8	20.4	1129	3.78	30.8	0.6	2.4	0.7	29	0.5	0.7	0.4	112	0.26	0.072
1322279	Soil	1.1	25.9	32.8	59	0.2	27.7	12.4	539	3.34	16.2	0.7	12.6	2.0	19	0.2	1.2	0.6	86	0.19	0.057
1322275	Soil	2.2	35.3	395.3	70	1.0	32.5	13.9	568	3.38	36.2	0.7	27.8	4.0	19	0.3	3.2	1.0	81	0.18	0.040

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1321377	Soil	13	30	0.81	347	0.051	<1	1.96	0.008	0.12	0.1	0.02	5.3	0.2	<0.05	7	<0.5	<0.2
1321483	Soil	13	29	0.54	276	0.039	<1	1.78	0.010	0.07	0.2	0.03	4.3	0.1	<0.05	6	<0.5	<0.2
1321484	Soil	12	29	0.56	217	0.047	<1	1.68	0.009	0.07	0.2	0.03	3.7	0.1	<0.05	5	<0.5	<0.2
1322294	Soil	10	31	0.60	198	0.049	<1	1.59	0.010	0.08	0.1	0.03	3.9	0.1	<0.05	5	0.6	<0.2
1322297	Soil	11	24	0.64	272	0.044	<1	1.55	0.007	0.09	0.1	0.02	3.8	0.1	<0.05	5	<0.5	<0.2
1322299	Soil	7	62	1.73	455	0.171	<1	2.41	0.016	0.42	0.1	0.01	7.7	0.4	<0.05	8	0.6	<0.2
1322298	Soil	11	30	0.67	225	0.054	<1	1.86	0.011	0.07	<0.1	0.03	4.2	0.1	<0.05	6	<0.5	<0.2
1322295	Soil	13	28	0.56	315	0.042	<1	1.66	0.012	0.06	0.1	0.10	4.6	0.3	<0.05	6	<0.5	<0.2
1322281	Soil	11	33	0.56	168	0.064	<1	1.86	0.012	0.06	0.6	0.03	3.8	0.1	0.07	6	0.7	0.3
1322296	Soil	19	28	0.66	329	0.049	<1	1.45	0.007	0.13	0.3	0.07	5.5	0.3	<0.05	5	0.7	<0.2
1322300	Soil	11	50	1.21	298	0.087	<1	2.36	0.010	0.17	<0.1	0.02	5.7	0.2	<0.05	7	<0.5	<0.2
1322293	Soil	10	27	0.43	238	0.019	<1	1.86	0.013	0.08	<0.1	0.07	2.0	0.1	<0.05	7	<0.5	<0.2
1322292	Soil	13	33	0.63	224	0.054	1	1.64	0.010	0.07	0.2	0.03	3.9	0.1	<0.05	5	<0.5	<0.2
1322301	Soil	17	716	0.15	145	0.184	4	4.14	0.014	0.06	<0.1	0.04	39.9	0.1	<0.05	20	<0.5	<0.2
1322290	Soil	11	32	0.66	275	0.058	1	1.86	0.013	0.09	0.2	0.03	3.8	0.1	<0.05	6	0.6	<0.2
1322282	Soil	10	40	0.96	262	0.096	2	2.52	0.023	0.08	0.5	0.04	5.8	0.2	0.12	7	1.0	0.4
1322285	Soil	9	33	0.49	254	0.045	1	2.02	0.012	0.06	0.2	0.08	2.4	0.1	0.11	6	0.6	<0.2
1322287	Soil	11	29	0.48	127	0.057	1	1.56	0.010	0.09	0.2	0.05	2.6	0.1	0.08	7	<0.5	<0.2
1322286	Soil	9	28	0.60	400	0.026	1	1.76	0.012	0.12	0.1	0.06	2.4	0.2	0.13	7	<0.5	<0.2
1322288	Soil	13	36	0.67	212	0.067	1	1.86	0.013	0.08	0.3	0.02	4.0	0.1	0.06	6	0.5	<0.2
1322289	Soil	13	34	0.62	216	0.078	1	1.54	0.014	0.07	0.3	0.03	3.7	0.1	<0.05	5	<0.5	<0.2
1322291	Soil	12	31	0.48	271	0.033	1	1.77	0.013	0.06	0.1	0.06	2.8	0.1	0.09	6	0.6	<0.2
1321378	Soil	5	44	2.09	318	0.213	<1	3.58	0.010	0.51	0.1	<0.01	8.7	0.3	<0.05	12	<0.5	<0.2
1322284	Soil	11	35	0.58	240	0.078	2	2.24	0.012	0.05	0.2	0.04	3.6	0.2	0.06	8	<0.5	<0.2
1322270	Soil	8	33	0.58	769	0.064	2	1.84	0.018	0.09	0.3	0.06	3.1	0.2	0.17	8	<0.5	0.3
1322271	Soil	10	27	0.25	299	0.059	<1	1.74	0.011	0.04	0.2	0.08	2.2	0.2	0.09	8	<0.5	<0.2
1322274	Soil	13	38	0.61	292	0.063	2	2.51	0.016	0.08	0.5	0.06	4.5	0.2	0.13	7	1.0	0.4
1322283	Soil	11	43	0.63	384	0.070	<1	2.53	0.015	0.05	0.1	0.04	4.0	0.2	0.09	10	<0.5	<0.2
1322279	Soil	14	40	0.60	342	0.070	1	2.08	0.013	0.06	0.6	0.05	3.7	0.2	0.10	6	0.6	<0.2
1322275	Soil	15	40	0.57	396	0.082	2	1.90	0.014	0.07	0.6	0.07	4.0	0.1	0.10	5	0.6	0.3



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Project: CHA
 Report Date: July 09, 2012

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CERTIFICATE OF ANALYSIS

DAW12000070.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
1322269	Soil	2.3	18.7	55.0	44	0.7	14.2	9.2	667	2.14	12.8	0.5	8.1	0.2	24	0.4	1.3	0.6	55	0.19	0.157
1322276	Soil	2.0	28.9	160.0	73	0.6	25.7	12.3	636	3.42	30.1	0.7	7.3	1.3	16	0.2	2.3	0.9	82	0.13	0.063
1322278	Soil	1.9	28.1	54.1	71	0.5	20.1	15.2	735	3.44	23.4	0.7	11.5	0.8	34	0.4	1.4	1.3	86	0.21	0.089
1322280	Soil	2.2	40.0	49.8	56	0.7	25.0	13.2	670	3.57	30.0	0.8	16.3	0.4	15	0.5	1.8	0.6	94	0.12	0.102
1322273	Soil	3.9	28.1	45.3	42	0.9	17.7	9.9	281	3.10	27.3	0.9	23.0	0.6	56	0.3	1.6	0.9	71	0.23	0.100
1322272	Soil	4.4	38.0	54.0	64	0.4	22.4	14.9	390	3.46	30.8	1.2	23.3	3.9	49	0.3	2.5	1.4	72	0.27	0.109
1322277	Soil	1.9	31.4	747.4	72	5.7	26.4	17.2	1204	3.39	23.4	0.8	18.9	1.4	32	0.6	6.2	0.8	83	0.30	0.081



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CERTIFICATE OF ANALYSIS

DAW12000070.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1322269	Soil	6	24	0.25	444	0.029	2	1.23	0.020	0.08	0.5	0.15	1.4	0.1	0.22	4	<0.5	0.2
1322276	Soil	12	38	0.53	299	0.056	2	2.10	0.011	0.07	0.3	0.06	3.2	0.2	0.12	7	<0.5	0.3
1322278	Soil	11	35	0.59	378	0.053	1	2.12	0.018	0.08	0.4	0.10	3.4	0.2	0.16	7	0.9	0.4
1322280	Soil	13	37	0.44	325	0.038	<1	2.16	0.009	0.06	0.3	0.10	2.5	0.2	0.16	8	0.8	<0.2
1322273	Soil	10	29	0.34	677	0.041	2	1.84	0.015	0.09	0.3	0.14	2.7	0.2	0.26	6	1.2	0.3
1322272	Soil	13	32	0.41	649	0.070	2	1.30	0.023	0.09	0.4	0.04	3.1	0.1	0.16	5	0.7	0.4
1322277	Soil	13	40	0.53	1189	0.056	2	2.17	0.011	0.11	0.3	0.11	4.0	0.3	0.19	7	0.7	0.2



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QUALITY CONTROL REPORT

DAW12000070.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
1321485	Soil	2.7	57.2	12.8	62	0.4	22.9	8.2	267	3.75	69.3	1.3	15.0	7.0	41	0.1	1.5	5.9	51	0.16	0.061
REP 1321485	QC	2.6	57.9	12.4	64	0.4	23.0	8.4	269	3.78	68.1	1.3	11.7	6.9	41	0.1	1.6	5.8	53	0.16	0.062
1320492	Soil	3.1	30.1	112.2	59	0.7	22.3	10.1	300	3.58	129.5	0.8	21.8	4.5	16	0.3	4.2	1.5	74	0.12	0.049
REP 1320492	QC	3.2	30.0	114.9	58	0.7	22.2	10.1	300	3.51	128.9	0.8	22.2	4.7	16	0.2	4.2	1.4	74	0.13	0.050
1322002	Soil	1.5	28.3	14.7	60	0.2	21.8	11.0	430	2.83	16.2	0.9	5.1	2.4	34	0.2	0.9	0.3	73	0.34	0.062
REP 1322002	QC	1.5	27.1	14.8	59	0.2	21.3	10.5	424	2.72	15.8	0.9	4.6	2.3	32	0.2	0.9	0.3	70	0.33	0.061
1322293	Soil	1.2	86.3	13.6	51	0.9	18.4	5.6	239	2.51	13.6	1.5	4.7	0.3	24	0.3	0.7	0.8	60	0.22	0.062
REP 1322293	QC	1.3	85.3	13.7	51	0.9	17.7	5.7	244	2.49	13.5	1.5	4.9	0.4	23	0.3	0.8	0.9	60	0.22	0.062
1322288	Soil	2.1	31.4	13.4	64	<0.1	28.0	12.7	482	3.17	24.7	1.0	5.1	3.1	26	0.2	1.2	0.5	83	0.29	0.079
REP 1322288	QC	2.0	31.0	13.0	64	<0.1	27.6	12.3	485	3.13	23.4	1.0	2.6	3.1	25	0.2	1.1	0.3	83	0.29	0.079
Reference Materials																					
STD DS9	Standard	15.1	113.0	132.1	312	1.9	44.4	8.4	603	2.42	25.8	2.8	117.2	6.4	75	2.1	5.6	5.9	49	0.77	0.085
STD DS9	Standard	13.3	106.8	123.4	296	1.9	38.8	7.3	568	2.23	25.2	2.9	132.5	7.0	77	2.5	5.8	6.9	41	0.73	0.079
STD DS9	Standard	13.9	107.9	115.4	279	1.8	40.4	8.1	562	2.24	22.9	2.5	109.5	5.6	62	2.2	4.8	5.9	43	0.68	0.079
STD DS9 Expected		12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	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	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: CHA
 Report Date: July 09, 2012

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QUALITY CONTROL REPORT

DAW12000070.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
1321485	Soil	19	26	0.55	266	0.020	<1	1.44	0.017	0.24	0.1	0.01	3.1	0.2	0.53	4	1.5	0.3
REP 1321485	QC	19	26	0.54	261	0.019	<1	1.39	0.017	0.24	0.1	0.02	3.2	0.2	0.51	4	1.6	0.3
1320492	Soil	13	35	0.43	190	0.065	<1	1.69	0.009	0.08	0.3	0.05	3.3	0.2	0.12	6	1.0	<0.2
REP 1320492	QC	13	35	0.44	195	0.064	1	1.73	0.009	0.08	0.4	0.06	3.3	0.2	0.13	6	1.1	0.2
1322002	Soil	11	32	0.65	262	0.064	<1	1.84	0.015	0.08	0.2	0.05	4.4	0.1	<0.05	6	<0.5	<0.2
REP 1322002	QC	11	31	0.64	257	0.062	<1	1.79	0.014	0.08	0.2	0.03	4.6	0.1	<0.05	6	<0.5	<0.2
1322293	Soil	10	27	0.43	238	0.019	<1	1.86	0.013	0.08	<0.1	0.07	2.0	0.1	<0.05	7	<0.5	<0.2
REP 1322293	QC	10	27	0.43	240	0.019	<1	1.85	0.012	0.07	<0.1	0.07	1.9	0.1	<0.05	6	<0.5	<0.2
1322288	Soil	13	36	0.67	212	0.067	1	1.86	0.013	0.08	0.3	0.02	4.0	0.1	0.06	6	0.5	<0.2
REP 1322288	QC	13	36	0.68	211	0.066	1	1.78	0.012	0.08	0.3	0.03	4.2	0.1	0.06	6	<0.5	<0.2
Reference Materials																		
STD DS9	Standard	15	133	0.64	311	0.127	3	0.97	0.093	0.37	3.1	0.21	2.8	5.9	0.22	5	5.7	5.5
STD DS9	Standard	14	119	0.61	302	0.114	2	0.95	0.085	0.39	2.9	0.21	3.1	5.6	0.16	5	4.9	5.3
STD DS9	Standard	12	125	0.60	280	0.105	3	0.87	0.082	0.34	2.4	0.23	2.4	5.4	0.18	4	5.1	4.6
STD DS9 Expected		13.3	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	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Andy Randell
Receiving Lab: Canada-Dawson City
Received: July 23, 2012
Report Date: August 01, 2012
Page: 1 of 12

CERTIFICATE OF ANALYSIS

DAW12000158.1

CLIENT JOB INFORMATION

Project: CHA
Shipment ID:
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

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

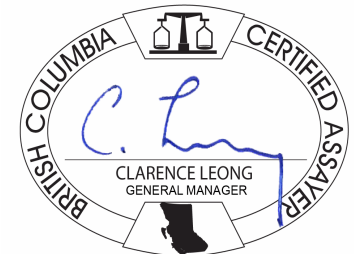
Invoice To: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Dave Schmidt
Isaac Fage

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			DAW
SS80	320	Dry at 60C sieve 100g to -80 mesh			DAW
RJSV	320	Saving all or part of Soil Reject			DAW
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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CERTIFICATE OF ANALYSIS

DAW12000158.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1318927	Soil	1.0	18.8	9.5	48	<0.1	23.4	6.8	139	2.27	13.0	0.5	12.7	5.0	6	<0.1	0.7	0.2	36	0.05	0.022
1319938	Soil	0.8	17.5	8.9	46	<0.1	19.3	7.0	187	1.93	7.9	0.8	4.1	5.6	8	<0.1	3.0	0.1	23	0.07	0.037
1319933	Soil	0.7	32.3	13.0	55	<0.1	28.7	10.8	208	2.66	11.1	1.2	3.0	9.6	6	<0.1	5.4	0.2	19	0.03	0.033
1318947	Soil	0.6	16.3	8.6	42	<0.1	18.4	7.5	209	1.78	10.6	0.7	2.1	4.6	7	0.1	0.6	<0.1	30	0.08	0.032
1319934	Soil	0.5	27.4	8.6	48	0.1	21.4	7.3	200	1.86	12.7	0.5	3.2	4.5	12	<0.1	1.5	0.1	23	0.14	0.056
1318945	Soil	0.8	22.7	9.9	47	<0.1	20.3	8.0	324	2.25	9.3	0.9	1.8	5.9	11	<0.1	0.8	0.1	31	0.09	0.026
1318952	Soil	0.9	16.1	10.1	38	<0.1	15.9	5.7	179	2.27	10.9	0.4	1.6	2.8	5	0.1	0.6	0.1	32	0.05	0.047
1318946	Soil	0.9	19.8	10.6	57	<0.1	22.4	7.4	293	1.81	7.9	0.7	0.8	6.0	10	0.2	0.6	<0.1	29	0.08	0.031
1319935	Soil	0.9	24.0	9.2	60	<0.1	23.5	6.9	172	1.97	10.6	0.7	1.6	5.4	9	0.1	2.9	<0.1	27	0.10	0.041
1319936	Soil	0.8	21.8	7.0	51	<0.1	28.9	8.0	178	2.10	11.6	0.7	11.4	4.4	9	0.1	4.1	0.2	32	0.11	0.048
1318949	Soil	0.9	21.8	10.2	48	<0.1	23.3	8.5	211	2.48	10.2	0.6	3.8	5.5	5	<0.1	0.6	0.2	37	0.05	0.032
1319937	Soil	0.7	24.9	10.2	51	<0.1	33.9	8.4	160	2.24	9.3	0.9	3.9	6.7	9	<0.1	11.7	0.1	26	0.08	0.037
1318926	Soil	0.8	21.7	9.4	39	<0.1	13.8	5.1	122	2.07	8.2	0.9	7.4	9.2	5	<0.1	1.2	0.1	24	0.03	0.015
1318925	Soil	0.7	23.7	9.5	40	<0.1	15.2	5.6	128	2.12	8.6	0.9	3.7	8.8	6	<0.1	1.3	0.1	24	0.03	0.014
1318921	Soil	1.0	29.9	10.8	55	<0.1	26.2	9.7	308	2.36	11.1	0.7	2.8	5.4	12	0.1	0.8	0.1	45	0.11	0.023
1318923	Soil	1.2	36.5	11.5	58	<0.1	29.8	10.5	352	2.55	11.6	0.9	2.0	6.8	14	<0.1	0.8	0.1	41	0.14	0.028
1318928	Soil	0.8	24.3	9.2	49	<0.1	19.1	8.8	234	2.18	8.2	0.9	2.2	7.9	8	<0.1	0.9	<0.1	30	0.06	0.014
1318929	Soil	1.0	50.4	15.1	66	<0.1	14.4	5.7	193	3.87	2.8	1.7	1.8	22.2	13	<0.1	0.4	0.4	22	0.07	0.029
1318930	Soil	0.9	29.4	10.8	43	<0.1	17.9	7.8	209	2.35	11.1	1.2	4.7	6.4	8	<0.1	0.6	0.1	43	0.07	0.017
1318933	Soil	1.0	27.8	6.6	62	<0.1	28.0	18.0	446	3.62	6.3	0.8	<0.5	4.9	24	<0.1	0.8	<0.1	82	0.44	0.130
1318934	Soil	0.6	21.4	7.2	44	<0.1	21.7	8.8	281	1.79	9.8	0.6	3.0	4.4	11	<0.1	0.6	<0.1	31	0.15	0.061
1318931	Soil	1.1	34.3	10.8	65	<0.1	24.5	9.0	288	2.73	7.9	1.3	2.2	9.5	12	<0.1	1.1	0.1	38	0.09	0.028
1318950	Soil	0.6	47.8	10.9	66	<0.1	34.1	14.1	359	2.97	13.0	1.3	1.5	13.0	10	<0.1	0.4	0.2	28	0.09	0.030
1318951	Soil	2.4	25.4	2.3	41	0.3	22.7	10.6	386	2.29	4.4	0.2	1.3	0.9	34	0.1	0.3	<0.1	70	0.85	0.054
1318935	Soil	1.3	15.5	6.3	93	<0.1	18.9	22.9	1166	6.09	3.4	0.8	7.7	3.7	40	<0.1	0.3	<0.1	156	0.96	0.366
1318932	Soil	1.2	24.0	11.2	56	<0.1	23.5	11.0	287	2.63	9.0	1.7	2.2	7.3	10	<0.1	1.2	0.1	46	0.09	0.022
1318924	Soil	1.5	41.0	11.8	76	<0.1	35.7	11.3	371	2.73	13.4	0.7	3.7	4.8	17	0.2	1.0	<0.1	52	0.19	0.035
1318936	Soil	0.7	43.0	12.6	74	<0.1	33.8	17.8	423	3.14	6.0	1.7	0.8	17.9	11	<0.1	0.4	0.2	23	0.09	0.026
1318937	Soil	0.5	20.4	7.7	43	<0.1	17.8	7.0	218	1.76	8.6	0.9	2.7	8.1	8	0.1	0.7	<0.1	20	0.10	0.042
1318938	Soil	0.7	25.5	7.9	41	<0.1	16.9	7.4	226	1.82	10.2	0.8	4.2	4.2	11	<0.1	0.6	<0.1	32	0.14	0.044

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: CHA
 Report Date: August 01, 2012

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1318927	Soil	12	21	0.33	100	0.016	2	1.19	0.004	0.04	0.2	0.02	1.8	<0.1	0.07	3	<0.5	<0.2
1319938	Soil	21	22	0.29	185	0.007	1	0.77	0.003	0.03	0.1	0.03	1.8	<0.1	0.07	2	<0.5	<0.2
1319933	Soil	33	25	0.36	126	0.008	1	0.84	0.002	0.04	<0.1	0.08	2.0	<0.1	<0.05	2	<0.5	<0.2
1318947	Soil	12	17	0.29	109	0.022	2	0.87	0.006	0.03	0.2	0.02	2.5	<0.1	<0.05	2	<0.5	<0.2
1319934	Soil	13	17	0.25	295	0.015	<1	0.57	0.003	0.02	0.2	0.04	1.9	<0.1	<0.05	2	<0.5	<0.2
1318945	Soil	20	19	0.27	227	0.017	<1	0.87	0.005	0.04	0.2	0.03	2.6	<0.1	<0.05	3	<0.5	<0.2
1318952	Soil	13	19	0.24	64	0.015	1	1.06	0.003	0.04	0.3	0.06	1.2	<0.1	<0.05	3	<0.5	<0.2
1318946	Soil	17	16	0.29	147	0.019	1	0.86	0.005	0.05	0.2	0.01	2.7	<0.1	<0.05	2	<0.5	<0.2
1319935	Soil	18	21	0.30	201	0.012	1	0.80	0.003	0.03	0.2	0.05	2.1	<0.1	<0.05	2	<0.5	<0.2
1319936	Soil	16	37	0.42	197	0.012	<1	0.88	0.003	0.03	0.3	0.03	2.7	0.1	<0.05	3	<0.5	<0.2
1318949	Soil	19	22	0.34	85	0.011	<1	1.38	0.003	0.04	0.2	0.03	1.8	0.1	<0.05	4	<0.5	<0.2
1319937	Soil	25	41	0.43	255	0.007	<1	0.94	0.003	0.04	0.2	0.04	2.5	<0.1	<0.05	3	<0.5	<0.2
1318926	Soil	29	17	0.30	104	0.018	<1	0.97	0.003	0.02	<0.1	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
1318925	Soil	29	18	0.30	103	0.018	<1	0.96	0.003	0.03	0.1	0.03	2.0	<0.1	<0.05	3	<0.5	<0.2
1318921	Soil	19	25	0.40	406	0.030	<1	1.27	0.006	0.05	0.3	0.05	3.3	<0.1	<0.05	4	<0.5	<0.2
1318923	Soil	21	25	0.48	357	0.031	1	1.33	0.008	0.08	0.2	0.05	4.0	<0.1	<0.05	4	<0.5	<0.2
1318928	Soil	23	20	0.36	138	0.025	<1	1.02	0.005	0.03	<0.1	0.02	2.4	<0.1	<0.05	3	<0.5	<0.2
1318929	Soil	47	26	0.60	211	0.009	<1	1.51	0.006	0.05	<0.1	0.03	2.3	<0.1	<0.05	5	<0.5	<0.2
1318930	Soil	18	26	0.37	224	0.032	1	1.31	0.006	0.04	0.2	0.07	4.6	0.1	<0.05	4	<0.5	<0.2
1318933	Soil	19	21	0.70	340	0.083	<1	1.48	0.011	0.06	0.2	0.02	4.9	<0.1	<0.05	5	<0.5	<0.2
1318934	Soil	13	17	0.30	85	0.027	<1	0.84	0.004	0.04	0.2	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2
1318931	Soil	26	23	0.47	303	0.027	<1	1.22	0.006	0.05	0.2	0.04	3.3	<0.1	<0.05	4	<0.5	<0.2
1318950	Soil	41	25	0.55	213	0.015	<1	1.48	0.004	0.05	<0.1	0.04	2.5	<0.1	<0.05	4	<0.5	<0.2
1318951	Soil	4	32	0.79	90	0.112	3	1.48	0.097	0.11	12.5	0.02	4.3	<0.1	0.06	5	<0.5	<0.2
1318935	Soil	28	10	1.42	564	0.093	<1	2.61	0.006	0.42	0.1	0.02	12.2	0.2	<0.05	12	<0.5	<0.2
1318932	Soil	21	30	0.43	255	0.034	1	1.47	0.008	0.05	0.2	0.04	3.7	0.1	<0.05	5	<0.5	<0.2
1318924	Soil	18	29	0.50	524	0.034	<1	1.40	0.009	0.06	0.2	0.07	4.3	<0.1	<0.05	4	<0.5	<0.2
1318936	Soil	53	22	0.48	274	0.013	<1	1.26	0.005	0.04	<0.1	0.03	2.6	<0.1	<0.05	4	<0.5	<0.2
1318937	Soil	24	14	0.28	99	0.020	<1	0.81	0.004	0.04	0.1	0.02	2.0	<0.1	<0.05	2	<0.5	<0.2
1318938	Soil	14	18	0.30	129	0.025	<1	0.82	0.004	0.03	0.2	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2



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Project: CHA
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CERTIFICATE OF ANALYSIS

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Method Analyte	1DX15																				
	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
1318948	Soil	0.6	18.4	9.9	44	<0.1	17.0	6.2	111	1.76	4.7	0.7	1.7	5.0	8	<0.1	0.4	<0.1	22	0.08	0.034
1318922	Soil	0.6	22.1	10.2	39	<0.1	19.6	10.3	277	2.05	8.2	0.9	10.8	8.3	6	<0.1	0.6	<0.1	26	0.04	0.012
1319929	Soil	0.9	24.8	10.0	52	<0.1	23.4	10.3	242	2.26	32.8	1.1	9.9	9.6	11	0.1	13.1	<0.1	24	0.05	0.043
1319925	Soil	0.9	18.2	8.2	42	<0.1	14.0	5.5	119	1.70	8.4	0.7	4.4	4.4	6	<0.1	1.3	<0.1	25	0.06	0.038
1319922	Soil	0.9	15.1	9.2	37	<0.1	12.2	4.7	104	1.85	8.9	0.7	2.7	2.5	6	<0.1	1.4	<0.1	29	0.06	0.040
1319920	Soil	0.6	20.0	6.9	38	<0.1	13.9	6.5	179	1.48	9.6	0.6	1.9	3.6	9	<0.1	1.5	<0.1	23	0.11	0.040
1319910	Soil	0.7	19.3	7.5	40	<0.1	16.0	7.9	310	1.78	12.0	0.6	5.0	3.6	7	<0.1	0.7	0.1	19	0.08	0.052
1319919	Soil	0.6	18.2	8.0	54	<0.1	18.6	8.7	364	1.97	14.1	0.5	1.8	4.0	8	0.2	0.7	0.2	19	0.11	0.071
1319913	Soil	0.7	28.6	8.6	49	<0.1	18.7	8.3	261	1.92	10.6	1.2	2.7	5.1	8	<0.1	0.6	0.2	22	0.09	0.042
1319923	Soil	0.7	19.5	7.9	46	<0.1	16.2	6.4	153	1.69	8.9	0.8	23.4	3.9	9	<0.1	1.2	0.1	22	0.09	0.052
1319924	Soil	0.7	15.3	8.1	41	<0.1	13.4	4.9	95	1.75	7.9	0.8	1.8	2.6	7	<0.1	1.3	0.1	23	0.07	0.047
1319908	Soil	1.0	27.6	10.3	62	<0.1	26.6	10.9	374	2.35	11.7	1.0	70.8	5.9	10	0.2	1.0	0.2	27	0.09	0.047
1319918	Soil	0.8	28.7	9.7	67	<0.1	24.7	8.3	330	1.95	14.0	0.8	3.2	4.4	12	0.3	0.9	0.1	24	0.13	0.056
1319909	Soil	0.8	13.2	8.2	41	<0.1	15.2	6.3	170	1.76	7.3	0.7	2.1	1.0	11	<0.1	0.5	0.2	23	0.12	0.047
1319916	Soil	0.7	25.0	8.2	56	<0.1	22.8	8.3	321	1.89	13.1	0.9	4.6	5.2	13	0.3	0.9	0.2	24	0.14	0.067
1319912	Soil	1.0	26.6	12.8	65	0.1	26.7	10.7	305	2.61	6.3	1.4	20.1	7.3	8	0.2	0.7	0.2	21	0.05	0.041
1319917	Soil	0.6	18.7	6.7	45	<0.1	18.0	7.5	264	1.58	12.2	0.6	6.5	3.8	8	0.1	0.7	0.1	18	0.10	0.054
1319914	Soil	1.0	25.0	9.5	61	<0.1	23.3	8.5	308	2.26	8.9	1.0	34.7	6.5	11	0.2	0.8	0.1	27	0.11	0.052
1319911	Soil	0.9	21.7	9.7	60	<0.1	21.5	11.9	502	2.24	12.2	0.9	10.4	5.5	9	0.2	0.7	0.1	22	0.09	0.060
1319915	Soil	0.6	26.9	7.4	44	<0.1	23.0	8.4	402	1.70	14.4	1.0	36.2	5.0	8	0.1	0.8	0.1	20	0.09	0.049
1319921	Soil	0.9	21.9	9.4	53	<0.1	19.2	8.0	210	2.50	8.3	1.0	29.7	5.9	7	<0.1	2.9	0.2	23	0.06	0.049
1319931	Soil	0.7	33.9	14.4	57	<0.1	24.3	8.4	144	2.02	49.8	2.0	22.7	14.6	14	<0.1	11.7	0.2	12	0.06	0.036
1319928	Soil	0.8	24.3	9.0	48	<0.1	19.8	8.9	188	2.30	10.6	1.0	112.9	7.0	6	0.1	5.7	0.2	17	0.04	0.042
1319930	Soil	0.7	23.6	8.0	48	<0.1	21.2	8.3	249	1.84	15.0	0.7	16.3	5.4	8	0.1	2.8	0.1	21	0.06	0.047
1319927	Soil	0.8	12.4	8.0	36	<0.1	11.9	4.8	122	1.77	11.5	0.7	3.3	2.0	5	<0.1	2.1	0.1	24	0.05	0.058
1319932	Soil	0.9	20.0	9.1	50	<0.1	19.6	8.1	227	2.11	12.6	0.7	3.2	4.8	8	0.1	2.0	0.2	22	0.08	0.060
1318903	Soil	0.7	29.3	11.6	58	0.1	35.3	10.8	226	2.82	25.5	1.3	4.4	8.5	8	<0.1	2.5	0.2	23	0.08	0.035
1318916	Soil	0.8	21.4	8.2	45	<0.1	17.0	9.1	246	1.91	10.8	0.9	14.9	3.7	9	<0.1	0.7	0.1	26	0.11	0.045
1318914	Soil	1.1	27.5	16.7	60	<0.1	27.3	9.7	135	2.92	12.7	1.4	2.5	14.1	13	<0.1	2.2	0.3	17	0.02	0.028
1318915	Soil	1.1	25.2	9.7	48	<0.1	20.5	9.5	320	2.27	11.4	1.2	3.5	5.0	12	<0.1	0.8	0.1	36	0.12	0.029



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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
1318948	Soil	24	16	0.30	88	0.018	<1	0.80	0.003	0.06	0.1	0.02	1.3	<0.1	<0.05	3	<0.5	<0.2
1318922	Soil	26	19	0.35	123	0.028	<1	1.01	0.004	0.06	0.1	0.06	2.2	<0.1	<0.05	3	<0.5	<0.2
1319929	Soil	23	14	0.19	120	0.009	<1	0.71	0.002	0.04	0.2	0.03	2.0	<0.1	<0.05	2	<0.5	<0.2
1319925	Soil	16	16	0.26	70	0.012	<1	0.79	0.003	0.03	0.4	0.04	1.4	<0.1	<0.05	3	<0.5	<0.2
1319922	Soil	16	17	0.25	91	0.013	<1	0.89	0.002	0.03	0.2	0.04	1.4	0.1	<0.05	3	<0.5	<0.2
1319920	Soil	13	13	0.23	208	0.014	<1	0.62	0.003	0.03	0.3	0.07	1.7	<0.1	<0.05	2	<0.5	<0.2
1319910	Soil	12	12	0.23	103	0.014	<1	0.64	0.002	0.02	0.3	0.03	1.9	<0.1	<0.05	2	<0.5	<0.2
1319919	Soil	11	12	0.23	56	0.014	<1	0.65	0.002	0.03	0.3	0.02	1.3	<0.1	<0.05	2	<0.5	<0.2
1319913	Soil	17	14	0.29	166	0.014	<1	0.78	0.002	0.02	0.2	0.07	2.9	<0.1	<0.05	2	<0.5	<0.2
1319923	Soil	13	14	0.28	181	0.012	<1	0.76	0.003	0.02	0.4	0.05	1.9	<0.1	<0.05	2	<0.5	<0.2
1319924	Soil	14	15	0.27	131	0.011	<1	0.81	0.002	0.02	0.2	0.05	1.5	<0.1	<0.05	3	<0.5	<0.2
1319908	Soil	19	17	0.31	250	0.016	<1	0.77	0.003	0.03	0.4	0.05	2.2	<0.1	<0.05	2	<0.5	<0.2
1319918	Soil	14	14	0.26	318	0.016	<1	0.67	0.003	0.04	0.5	0.06	2.2	<0.1	<0.05	2	<0.5	<0.2
1319909	Soil	11	15	0.24	132	0.008	<1	0.76	0.003	0.03	0.2	0.03	1.0	<0.1	<0.05	2	0.7	<0.2
1319916	Soil	15	14	0.26	174	0.017	<1	0.59	0.003	0.04	0.7	0.06	2.0	<0.1	<0.05	2	<0.5	<0.2
1319912	Soil	30	15	0.35	165	0.009	<1	0.85	0.002	0.03	0.2	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
1319917	Soil	11	12	0.23	132	0.014	<1	0.61	0.002	0.02	0.2	0.02	1.5	<0.1	<0.05	2	<0.5	<0.2
1319914	Soil	20	17	0.36	252	0.017	<1	0.85	0.003	0.03	0.3	0.04	2.3	<0.1	<0.05	3	<0.5	<0.2
1319911	Soil	16	15	0.29	105	0.013	<1	0.81	0.003	0.03	0.2	0.04	1.7	<0.1	<0.05	2	<0.5	<0.2
1319915	Soil	15	17	0.28	174	0.016	<1	0.60	0.003	0.03	0.5	0.04	2.2	<0.1	<0.05	2	<0.5	<0.2
1319921	Soil	23	18	0.35	109	0.011	<1	0.89	0.003	0.03	0.2	0.03	1.7	<0.1	<0.05	3	<0.5	<0.2
1319931	Soil	41	9	0.15	201	0.004	<1	0.49	0.002	0.04	0.1	0.02	1.8	<0.1	<0.05	1	<0.5	<0.2
1319928	Soil	25	14	0.27	70	0.008	<1	0.68	0.002	0.03	0.2	0.03	1.4	<0.1	<0.05	2	<0.5	<0.2
1319930	Soil	13	13	0.24	100	0.013	<1	0.71	0.002	0.03	0.3	0.02	1.7	<0.1	<0.05	2	<0.5	<0.2
1319927	Soil	13	15	0.23	79	0.009	<1	0.81	0.002	0.03	0.3	0.04	1.3	<0.1	<0.05	3	<0.5	<0.2
1319932	Soil	15	16	0.26	69	0.011	<1	0.71	0.003	0.03	0.3	0.02	1.4	<0.1	<0.05	2	<0.5	<0.2
1318903	Soil	29	40	0.50	104	0.006	<1	0.94	0.003	0.03	<0.1	0.03	2.4	<0.1	<0.05	3	<0.5	<0.2
1318916	Soil	14	17	0.29	171	0.016	<1	0.79	0.003	0.02	0.2	0.05	2.6	<0.1	<0.05	2	<0.5	<0.2
1318914	Soil	39	18	0.30	82	0.004	<1	0.98	0.005	0.03	<0.1	0.01	1.4	<0.1	<0.05	3	<0.5	<0.2
1318915	Soil	15	21	0.36	418	0.023	<1	1.04	0.005	0.03	0.2	0.06	3.5	<0.1	<0.05	3	0.6	<0.2

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1318917	Soil	0.8	23.1	8.3	47	<0.1	22.0	9.4	282	2.08	23.6	1.0	3.3	4.3	9	<0.1	1.4	0.1	28	0.09	0.031
1318918	Soil	0.7	19.5	8.5	44	<0.1	20.7	7.4	196	1.94	52.0	0.7	20.2	5.4	9	<0.1	2.0	0.1	21	0.09	0.031
1318919	Soil	0.9	23.5	8.2	54	<0.1	26.4	8.8	232	2.06	68.5	0.7	3.1	3.6	9	0.2	2.2	0.2	24	0.09	0.038
1318897	Soil	0.8	44.8	10.8	66	<0.1	72.5	17.3	332	3.34	24.4	0.8	3.6	8.2	10	<0.1	2.3	0.2	36	0.13	0.027
1318920	Soil	1.4	30.1	9.9	73	<0.1	30.1	10.4	298	2.39	11.4	0.9	8.0	4.9	13	0.1	1.3	0.2	35	0.15	0.033
1318898	Soil	0.8	31.5	11.1	59	<0.1	40.2	11.5	230	3.10	27.1	1.2	3.2	10.6	6	<0.1	2.3	0.2	27	0.03	0.022
1318896	Soil	0.7	26.7	9.7	52	<0.1	33.3	10.1	208	2.60	21.0	1.0	3.1	6.7	7	<0.1	1.9	0.2	26	0.05	0.021
1318894	Soil	0.8	30.6	10.4	55	<0.1	25.8	9.7	230	2.67	64.8	1.4	11.3	10.3	11	<0.1	1.7	0.2	19	0.11	0.031
1318913	Soil	0.8	21.1	8.6	42	<0.1	21.2	7.4	150	1.92	13.9	0.6	8.1	4.8	6	<0.1	0.8	0.1	26	0.06	0.028
1318899	Soil	0.7	34.4	20.4	81	<0.1	43.9	12.7	225	3.11	70.3	1.4	17.4	12.3	9	<0.1	2.0	0.3	22	0.11	0.026
1318901	Soil	1.3	430.1	20.0	152	0.2	213.0	76.5	792	15.01	3.0	1.1	31.8	6.7	14	0.1	0.2	0.2	224	0.30	0.042
1318900	Soil	0.8	26.5	22.0	62	0.3	45.0	13.1	279	2.63	57.6	0.9	7.3	7.2	11	<0.1	1.3	0.2	32	0.18	0.032
1318892	Soil	0.7	25.4	10.6	47	<0.1	23.7	7.8	159	2.27	11.9	0.7	7.1	6.1	8	<0.1	0.9	0.2	26	0.05	0.023
1318893	Soil	1.3	26.4	12.4	61	0.1	36.4	12.1	162	2.97	13.5	1.5	1.6	13.1	10	<0.1	1.9	0.3	15	0.04	0.030
1318890	Soil	0.5	19.5	11.2	37	0.1	18.0	7.4	97	1.41	6.3	1.5	6.2	5.9	18	<0.1	8.9	0.2	15	0.15	0.033
1318889	Soil	0.8	18.7	13.9	38	0.2	14.5	4.4	125	1.94	6.1	1.8	14.2	7.1	12	<0.1	1.0	0.3	14	0.06	0.044
1318891	Soil	1.4	48.1	38.7	113	<0.1	68.4	18.8	398	4.74	23.6	2.3	3.0	14.1	7	<0.1	1.9	0.3	32	0.03	0.034
1318911	Soil	0.9	42.2	14.6	74	<0.1	44.1	13.9	371	3.37	17.8	1.6	1.0	12.4	18	0.1	3.4	0.3	28	0.18	0.038
1318909	Soil	0.7	40.7	16.4	69	<0.1	59.3	15.9	355	3.48	13.5	1.6	2.4	11.2	19	<0.1	3.0	0.3	32	0.29	0.034
1318895	Soil	0.8	34.1	20.5	62	<0.1	32.0	9.6	201	2.98	73.9	1.4	11.9	13.8	7	<0.1	2.8	0.2	18	0.03	0.020
1318912	Soil	1.5	41.1	13.4	87	<0.1	41.1	13.1	426	3.15	11.1	1.3	2.8	9.9	20	0.3	2.2	0.2	35	0.14	0.040
1318910	Soil	0.7	30.9	14.5	61	<0.1	41.1	12.2	246	3.07	22.7	1.4	2.3	12.1	14	<0.1	4.8	0.3	18	0.16	0.034
1318908	Soil	0.9	44.1	18.4	81	0.1	48.7	16.6	397	3.87	20.7	2.0	4.5	15.9	19	0.1	4.1	0.3	20	0.19	0.038
1318907	Soil	0.9	42.2	19.9	78	0.1	42.4	16.4	395	3.72	28.9	1.9	5.9	15.3	14	0.1	3.8	0.4	20	0.12	0.038
1318906	Soil	0.6	36.4	15.9	70	0.1	46.4	13.6	321	3.36	23.7	1.5	139.1	12.9	9	<0.1	3.4	0.4	23	0.06	0.031
1318905	Soil	0.8	37.2	15.1	70	<0.1	36.3	13.2	342	3.34	21.6	1.5	6.1	12.2	11	<0.1	2.8	0.3	23	0.07	0.037
1318904	Soil	0.9	29.4	13.3	56	<0.1	31.8	10.9	237	3.06	26.4	1.3	3.0	11.8	7	<0.1	2.7	0.2	26	0.03	0.023
1318902	Soil	1.0	26.8	19.1	57	0.1	33.7	10.0	177	3.08	133.4	0.8	19.9	10.6	8	<0.1	1.8	0.2	25	0.04	0.021
1319354	Soil	1.1	36.7	12.9	54	<0.1	22.1	10.0	334	3.00	13.3	2.2	10.5	8.4	19	<0.1	1.1	0.2	44	0.12	0.026
1319361	Soil	1.0	19.3	11.2	45	<0.1	17.2	7.7	244	2.31	11.1	1.2	2.7	5.6	11	<0.1	0.7	0.2	43	0.07	0.020

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1318917	Soil	17	20	0.33	261	0.016	<1	0.91	0.004	0.03	0.2	0.03	2.4	<0.1	<0.05	3	<0.5	<0.2
1318918	Soil	18	19	0.32	206	0.010	<1	0.81	0.003	0.03	0.2	0.03	1.8	<0.1	<0.05	2	<0.5	<0.2
1318919	Soil	17	23	0.33	163	0.012	<1	0.78	0.003	0.03	0.2	0.03	1.9	<0.1	<0.05	2	<0.5	<0.2
1318897	Soil	22	91	0.76	225	0.019	<1	1.22	0.005	0.04	<0.1	0.07	4.0	<0.1	<0.05	4	<0.5	<0.2
1318920	Soil	17	24	0.36	318	0.023	<1	1.00	0.004	0.03	0.2	0.06	3.3	<0.1	<0.05	3	<0.5	<0.2
1318898	Soil	30	50	0.56	101	0.008	<1	1.07	0.003	0.03	<0.1	0.03	3.2	<0.1	<0.05	3	<0.5	<0.2
1318896	Soil	24	38	0.42	113	0.015	<1	0.91	0.003	0.03	<0.1	0.03	2.4	<0.1	<0.05	3	<0.5	<0.2
1318894	Soil	25	19	0.43	154	0.010	<1	0.85	0.004	0.03	0.1	0.03	2.0	<0.1	<0.05	3	<0.5	<0.2
1318913	Soil	11	18	0.28	118	0.014	1	0.91	0.003	0.03	0.3	0.02	1.8	<0.1	<0.05	2	<0.5	<0.2
1318899	Soil	34	44	0.60	88	0.004	<1	1.10	0.003	0.04	<0.1	0.03	3.3	<0.1	<0.05	3	<0.5	<0.2
1318901	Soil	16	710	0.12	141	0.154	4	3.77	0.012	0.06	<0.1	0.04	36.7	0.1	<0.05	20	0.5	<0.2
1318900	Soil	20	54	0.56	132	0.008	<1	1.13	0.003	0.04	0.1	0.03	4.0	<0.1	<0.05	3	<0.5	<0.2
1318892	Soil	16	20	0.35	109	0.016	3	1.00	0.003	0.04	0.2	0.03	1.9	<0.1	<0.05	3	0.7	<0.2
1318893	Soil	48	11	0.16	64	0.003	1	0.81	0.003	0.04	<0.1	<0.01	0.9	<0.1	<0.05	3	<0.5	<0.2
1318890	Soil	23	13	0.22	139	0.002	1	0.60	0.003	0.03	0.1	0.03	1.5	<0.1	0.05	2	0.9	<0.2
1318889	Soil	29	12	0.27	97	0.002	2	0.75	0.005	0.04	<0.1	0.03	1.3	0.1	0.06	3	<0.5	<0.2
1318891	Soil	35	58	0.65	83	0.004	2	1.35	0.003	0.05	<0.1	<0.01	4.0	0.1	<0.05	4	<0.5	<0.2
1318911	Soil	33	36	0.48	174	0.013	2	1.10	0.005	0.07	<0.1	0.05	3.7	<0.1	<0.05	4	<0.5	<0.2
1318909	Soil	33	63	0.72	135	0.006	<1	1.28	0.004	0.05	<0.1	0.03	4.3	<0.1	<0.05	4	<0.5	<0.2
1318895	Soil	34	30	0.40	48	0.008	<1	1.00	0.005	0.04	0.2	0.03	1.9	<0.1	<0.05	3	0.5	<0.2
1318912	Soil	26	32	0.58	349	0.017	<1	1.15	0.006	0.04	0.1	0.03	3.4	<0.1	<0.05	4	<0.5	<0.2
1318910	Soil	41	40	0.52	113	0.002	<1	1.04	0.003	0.05	<0.1	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
1318908	Soil	42	37	0.50	69	0.004	<1	1.10	0.005	0.07	<0.1	0.05	3.2	<0.1	<0.05	3	<0.5	<0.2
1318907	Soil	41	35	0.51	83	0.005	1	1.04	0.005	0.07	<0.1	0.06	3.2	<0.1	<0.05	3	<0.5	<0.2
1318906	Soil	37	48	0.60	118	0.007	<1	1.01	0.004	0.05	<0.1	0.05	3.2	<0.1	<0.05	3	<0.5	<0.2
1318905	Soil	36	31	0.48	175	0.009	<1	1.05	0.004	0.06	<0.1	0.05	3.0	<0.1	<0.05	3	<0.5	<0.2
1318904	Soil	35	41	0.53	109	0.009	1	1.15	0.004	0.04	<0.1	0.03	3.0	<0.1	<0.05	4	<0.5	<0.2
1318902	Soil	33	33	0.35	91	0.004	<1	0.97	0.004	0.04	0.2	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
1319354	Soil	24	29	0.47	311	0.045	2	1.42	0.009	0.05	0.2	0.07	5.3	<0.1	<0.05	4	<0.5	<0.2
1319361	Soil	19	26	0.36	229	0.038	<1	1.29	0.005	0.04	0.2	0.04	3.6	<0.1	<0.05	4	<0.5	<0.2



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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
1319363	Soil	1.2	12.7	9.8	46	<0.1	15.2	8.3	371	2.35	10.8	0.6	2.5	2.2	12	0.2	0.7	0.1	39	0.12	0.106
1319355	Soil	1.1	22.3	10.5	55	<0.1	20.2	6.2	223	2.58	13.9	1.0	6.9	7.9	10	<0.1	1.3	0.2	31	0.06	0.046
1319362	Soil	1.1	22.5	10.1	52	<0.1	20.9	9.1	310	2.24	12.6	1.1	1.4	5.5	13	<0.1	1.1	0.2	36	0.12	0.043
1319359	Soil	0.7	21.4	7.7	51	<0.1	21.3	6.8	302	1.82	9.2	0.8	1.9	5.1	17	0.1	0.8	0.1	31	0.18	0.050
1319358	Soil	0.7	21.7	9.9	47	<0.1	19.1	8.7	319	2.23	11.4	1.4	1.8	6.2	10	0.1	0.8	0.1	37	0.07	0.018
1319357	Soil	0.7	35.1	10.9	58	<0.1	21.0	9.0	343	2.45	13.6	2.1	3.0	7.4	10	0.1	0.9	0.2	38	0.07	0.026
1319353	Soil	0.8	23.7	10.5	53	<0.1	18.0	7.4	222	2.50	10.7	1.4	2.1	8.7	8	<0.1	1.9	0.2	30	0.05	0.018
1324720	Soil	0.7	23.2	10.6	52	<0.1	28.8	9.3	168	2.41	14.1	1.1	1.6	8.4	13	<0.1	4.0	0.2	15	0.13	0.036
1319352	Soil	1.0	20.1	11.2	54	<0.1	18.1	10.3	412	2.52	12.1	1.2	1.4	5.7	18	<0.1	0.8	0.1	45	0.14	0.037
1319356	Soil	1.1	27.0	11.5	56	<0.1	21.8	7.4	278	2.65	12.2	1.2	1.7	6.5	11	0.1	0.9	0.2	45	0.07	0.025
1324729	Soil	1.0	22.4	11.2	44	0.1	16.2	6.6	174	2.30	12.2	1.2	186.6	6.8	9	<0.1	0.9	0.2	25	0.06	0.035
1324725	Soil	1.2	16.8	11.2	47	0.2	16.7	6.6	159	2.47	14.5	0.8	28.3	6.9	9	<0.1	1.0	0.2	34	0.04	0.025
1324732	Soil	0.8	9.6	6.6	35	0.2	11.0	3.4	92	1.47	11.0	0.6	30.6	2.9	11	0.1	0.9	0.1	21	0.10	0.048
1324727	Soil	1.4	28.7	14.1	46	0.6	21.5	8.4	143	3.10	13.6	1.2	2.9	10.7	11	<0.1	0.9	0.3	28	0.03	0.025
1324728	Soil	1.1	22.3	12.2	55	0.1	19.0	7.4	225	2.67	13.2	1.4	11.6	9.5	12	<0.1	0.9	0.2	31	0.07	0.035
1324724	Soil	1.1	17.5	12.1	45	0.2	17.2	6.5	159	2.56	14.5	0.7	18.5	7.1	9	<0.1	1.1	0.2	34	0.05	0.025
1324723	Soil	1.2	49.0	25.1	71	0.5	35.6	14.9	321	3.58	15.4	3.4	<0.5	20.2	31	0.1	1.1	0.5	17	0.19	0.037
1324715	Soil	0.7	43.2	16.1	64	0.2	36.5	15.1	378	3.33	22.4	1.6	5.2	11.5	21	0.1	4.7	0.3	19	0.29	0.040
1324717	Soil	0.8	35.8	14.7	63	0.1	31.2	12.9	379	2.92	19.8	1.3	6.2	8.7	23	0.1	4.8	0.4	20	0.33	0.045
1324718	Soil	0.6	34.9	14.1	59	0.1	30.6	12.3	319	2.69	23.0	1.1	6.5	8.9	25	<0.1	5.8	0.3	17	0.36	0.035
1324716	Soil	0.7	35.5	12.9	60	0.1	29.3	12.0	267	2.93	21.2	1.0	6.9	9.3	15	<0.1	4.9	0.2	19	0.17	0.033
1324731	Soil	0.7	18.8	8.2	50	<0.1	16.0	5.9	131	1.64	8.7	0.9	2.9	4.0	17	0.1	1.1	0.1	22	0.17	0.055
1324726	Soil	1.2	44.4	26.0	86	1.4	23.7	10.1	202	4.82	26.1	2.8	1.9	24.6	33	<0.1	1.4	0.4	13	0.03	0.045
1324721	Soil	0.6	42.0	13.0	59	0.2	34.8	14.9	583	2.91	19.0	2.3	6.7	6.3	32	0.2	3.4	0.2	20	0.43	0.051
1324722	Soil	1.3	38.9	24.6	60	0.1	27.3	13.8	281	2.78	8.3	4.4	2.7	14.5	81	0.1	0.5	0.4	15	0.77	0.040
1324730	Soil	0.6	35.2	13.4	56	0.1	28.6	11.1	286	2.77	13.8	1.6	10.2	9.7	23	<0.1	2.9	0.2	23	0.35	0.044
1324719	Soil	0.6	21.7	11.2	52	<0.1	23.3	8.0	144	2.02	12.4	0.9	3.5	7.2	18	<0.1	3.6	0.1	17	0.21	0.039
1324714	Soil	0.6	34.3	15.2	64	<0.1	29.2	13.7	387	3.09	19.8	1.2	8.9	11.0	12	0.1	4.1	0.3	19	0.13	0.036
1324683	Soil	0.8	46.9	18.5	69	0.2	39.3	14.5	328	3.17	21.0	1.6	6.6	11.5	21	<0.1	4.1	0.3	21	0.30	0.042
1319381	Soil	1.2	28.2	10.4	60	<0.1	27.2	9.8	223	3.13	9.8	1.3	5.5	9.6	15	0.1	0.6	0.2	29	0.10	0.036

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
1319363	Soil	13	21	0.29	118	0.026	2	1.04	0.005	0.04	0.3	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
1319355	Soil	20	23	0.43	105	0.021	<1	1.19	0.004	0.04	0.2	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
1319362	Soil	18	20	0.36	213	0.030	2	1.03	0.010	0.04	0.2	0.04	4.0	<0.1	<0.05	3	<0.5	<0.2
1319359	Soil	15	17	0.33	303	0.032	<1	0.85	0.007	0.05	0.2	0.03	2.9	<0.1	<0.05	3	<0.5	<0.2
1319358	Soil	18	24	0.36	185	0.036	<1	1.07	0.006	0.04	0.2	0.03	3.8	<0.1	<0.05	4	<0.5	<0.2
1319357	Soil	24	25	0.41	209	0.035	2	1.25	0.006	0.05	0.2	0.06	5.2	<0.1	<0.05	4	<0.5	<0.2
1319353	Soil	26	22	0.40	126	0.031	<1	1.15	0.005	0.04	0.1	0.02	2.8	<0.1	<0.05	3	<0.5	<0.2
1324720	Soil	26	19	0.31	77	0.006	<1	0.64	0.002	0.04	0.2	0.02	1.8	<0.1	<0.05	2	<0.5	<0.2
1319352	Soil	14	29	0.44	286	0.044	3	1.42	0.008	0.05	0.2	0.03	3.7	<0.1	<0.05	5	<0.5	<0.2
1319356	Soil	16	27	0.42	181	0.042	2	1.51	0.006	0.05	0.2	0.02	3.2	<0.1	<0.05	4	<0.5	<0.2
1324729	Soil	21	16	0.28	110	0.012	2	0.90	0.003	0.04	0.3	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
1324725	Soil	17	19	0.32	145	0.016	<1	1.05	0.003	0.05	0.3	0.01	1.6	<0.1	<0.05	3	<0.5	<0.2
1324732	Soil	15	12	0.21	129	0.009	<1	0.64	0.002	0.03	0.3	0.04	1.1	<0.1	<0.05	2	<0.5	<0.2
1324727	Soil	27	21	0.37	128	0.014	<1	1.30	0.004	0.05	0.2	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
1324728	Soil	25	20	0.40	219	0.018	<1	1.08	0.006	0.04	0.2	0.04	1.6	<0.1	<0.05	3	<0.5	<0.2
1324724	Soil	17	19	0.29	145	0.017	<1	1.05	0.003	0.04	0.4	0.01	1.9	<0.1	<0.05	3	<0.5	<0.2
1324723	Soil	51	18	0.56	113	0.002	<1	1.30	0.003	0.06	<0.1	0.04	1.9	0.1	<0.05	4	<0.5	<0.2
1324715	Soil	32	21	0.39	105	0.007	<1	0.97	0.004	0.07	<0.1	0.07	2.9	<0.1	<0.05	3	<0.5	<0.2
1324717	Soil	26	20	0.38	121	0.006	1	0.89	0.004	0.08	0.1	0.06	2.4	<0.1	<0.05	2	<0.5	<0.2
1324718	Soil	27	17	0.33	102	0.005	<1	0.82	0.004	0.08	0.1	0.06	2.0	<0.1	<0.05	2	<0.5	<0.2
1324716	Soil	29	19	0.34	103	0.006	2	0.89	0.003	0.07	0.1	0.06	1.9	<0.1	<0.05	3	<0.5	<0.2
1324731	Soil	14	13	0.26	200	0.011	2	0.65	0.003	0.03	0.5	0.03	1.5	<0.1	<0.05	2	<0.5	<0.2
1324726	Soil	55	19	0.58	49	0.001	<1	1.53	0.006	0.06	0.1	0.02	1.4	0.2	<0.05	4	<0.5	<0.2
1324721	Soil	25	23	0.39	145	0.004	1	0.95	0.004	0.05	0.1	0.06	2.3	<0.1	0.06	2	<0.5	<0.2
1324722	Soil	47	14	0.49	100	0.003	<1	1.17	0.004	0.06	0.1	0.03	2.0	<0.1	0.06	3	0.6	<0.2
1324730	Soil	28	18	0.40	167	0.009	<1	1.02	0.004	0.06	0.2	0.07	2.4	<0.1	<0.05	3	<0.5	<0.2
1324719	Soil	22	17	0.31	115	0.007	<1	0.67	0.003	0.04	<0.1	0.05	1.6	<0.1	<0.05	2	0.6	<0.2
1324714	Soil	33	20	0.39	87	0.006	<1	0.93	0.004	0.06	<0.1	0.05	2.2	<0.1	<0.05	3	<0.5	<0.2
1324683	Soil	33	22	0.39	113	0.007	<1	0.95	0.004	0.06	<0.1	0.10	2.9	<0.1	<0.05	3	<0.5	<0.2
1319381	Soil	30	21	0.40	113	0.012	<1	1.28	0.004	0.05	0.2	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2

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Project: CHA
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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1324701	Soil	1.5	447.3	23.1	162	0.2	228.0	75.5	792	15.69	3.1	1.3	34.3	8.1	17	<0.1	0.6	0.1	204	0.29	0.045
1324677	Soil	0.8	41.5	16.5	69	0.1	42.0	13.3	306	3.03	22.6	1.6	3.1	8.6	27	0.2	3.9	0.3	21	0.40	0.047
1324678	Soil	0.9	36.1	18.2	61	0.1	36.4	12.6	274	3.09	22.1	1.6	4.0	10.9	15	<0.1	4.2	0.3	19	0.15	0.038
1324681	Soil	0.8	34.2	16.5	67	<0.1	35.2	13.7	322	3.05	13.4	1.7	3.5	12.1	14	<0.1	3.1	0.2	19	0.10	0.039
1324713	Soil	0.9	27.0	15.8	57	0.1	22.1	13.9	489	2.67	18.8	1.1	4.8	7.2	17	0.2	2.2	0.2	23	0.18	0.043
1324680	Soil	0.9	41.0	17.5	62	0.1	38.8	15.3	388	3.18	17.8	1.8	4.8	10.7	18	0.1	3.3	0.2	20	0.19	0.041
1319373	Soil	0.9	15.8	9.4	42	<0.1	16.0	6.6	186	2.09	11.6	0.7	3.1	5.3	9	<0.1	1.0	<0.1	25	0.08	0.034
1324679	Soil	0.9	36.5	17.2	69	0.1	39.5	13.7	287	3.21	21.7	1.5	4.4	11.6	12	<0.1	3.8	0.2	21	0.11	0.039
1319372	Soil	1.4	16.6	13.2	56	<0.1	22.9	10.1	260	2.73	13.6	0.8	0.6	5.7	9	0.1	1.0	0.1	45	0.06	0.059
1324687	Soil	1.0	34.5	15.9	65	0.1	30.8	12.4	325	2.93	18.4	1.4	3.5	11.0	17	0.2	4.4	0.2	19	0.19	0.038
1324685	Soil	0.8	31.9	15.9	59	<0.1	26.6	13.1	327	2.91	18.3	1.0	5.2	8.9	10	0.1	3.1	0.2	21	0.08	0.039
1319380	Soil	1.3	16.0	9.6	39	0.1	11.7	4.8	150	2.05	8.3	1.3	<0.5	6.3	9	<0.1	0.5	0.1	30	0.06	0.039
1319379	Soil	1.0	18.8	10.5	53	0.1	19.3	7.1	238	2.34	10.2	1.0	1.9	7.8	10	<0.1	0.5	0.2	32	0.09	0.067
1319370	Soil	0.7	23.0	11.5	50	<0.1	17.9	8.4	205	2.34	11.3	1.3	3.2	10.1	8	<0.1	1.0	0.1	22	0.04	0.018
1319360	Soil	0.9	15.2	11.0	47	<0.1	16.6	6.4	229	2.06	12.8	0.7	14.5	4.9	11	<0.1	1.0	<0.1	35	0.13	0.073
1319351	Soil	2.6	24.2	2.6	41	0.2	23.3	10.5	400	2.42	4.7	0.3	2.2	1.0	43	0.2	0.3	<0.1	61	0.87	0.064
1324686	Soil	0.5	34.9	13.2	65	<0.1	31.1	10.6	248	2.92	16.4	1.3	4.5	11.5	14	0.1	4.1	0.2	20	0.16	0.041
1319378	Soil	0.7	18.4	8.9	44	<0.1	18.6	6.8	220	2.00	9.3	0.9	2.8	6.0	11	<0.1	0.4	0.1	26	0.09	0.042
1324684	Soil	0.8	31.1	14.6	61	<0.1	28.9	10.5	237	2.80	14.9	1.3	4.8	13.0	14	<0.1	3.5	0.2	19	0.16	0.040
1324682	Soil	0.8	39.7	17.0	69	<0.1	37.2	14.9	360	3.23	14.7	1.8	3.9	14.0	14	0.1	3.6	0.2	19	0.16	0.039
1319382	Soil	1.4	21.9	11.4	40	<0.1	11.0	3.6	99	2.81	5.1	1.0	2.9	11.0	11	<0.1	0.4	0.3	27	0.03	0.044
1319369	Soil	0.7	17.5	9.2	40	<0.1	15.4	6.9	168	2.11	10.4	0.8	1.6	7.2	6	<0.1	0.9	<0.1	22	0.04	0.021
1319375	Soil	0.6	11.3	7.7	28	<0.1	9.8	3.8	134	1.49	8.0	0.6	47.3	3.8	11	<0.1	0.4	<0.1	30	0.10	0.029
1319376	Soil	0.9	12.8	8.6	38	<0.1	12.7	4.8	144	2.00	11.0	0.5	2.1	4.3	7	<0.1	0.6	<0.1	36	0.06	0.031
1319374	Soil	0.7	13.3	6.7	36	<0.1	13.8	5.2	140	1.79	8.3	0.5	5.2	3.8	8	<0.1	0.5	0.1	29	0.09	0.032
1319366	Soil	1.2	18.8	10.1	47	<0.1	20.4	7.8	218	2.70	11.8	0.7	2.3	4.9	7	<0.1	0.8	0.2	40	0.06	0.024
1319377	Soil	0.6	8.1	5.0	24	<0.1	9.2	3.5	206	1.24	4.9	0.4	0.7	1.5	7	<0.1	0.2	0.1	22	0.07	0.025
1319365	Soil	0.6	23.2	7.0	40	<0.1	18.7	7.9	255	1.90	9.1	0.6	8.0	4.8	7	<0.1	0.8	0.1	23	0.06	0.019
1319368	Soil	1.1	16.1	8.0	46	<0.1	16.8	6.2	175	2.77	11.4	0.6	2.7	5.0	6	0.1	0.9	0.1	31	0.05	0.036
1319371	Soil	0.8	19.9	7.9	51	<0.1	18.3	7.8	257	2.27	9.6	1.0	4.3	4.1	11	<0.1	0.6	0.1	39	0.13	0.035

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1324701	Soil	18	625	0.15	144	0.191	6	4.46	0.014	0.07	<0.1	0.04	40.8	<0.1	<0.05	21	<0.5	<0.2
1324677	Soil	29	27	0.43	123	0.006	<1	0.94	0.004	0.06	0.1	0.08	2.9	<0.1	<0.05	3	<0.5	<0.2
1324678	Soil	37	27	0.40	111	0.004	<1	0.96	0.005	0.04	0.1	0.07	2.4	<0.1	<0.05	3	<0.5	<0.2
1324681	Soil	37	22	0.34	139	0.006	1	0.84	0.004	0.06	0.1	0.07	2.4	<0.1	0.06	3	<0.5	<0.2
1324713	Soil	24	18	0.33	166	0.005	2	0.99	0.003	0.07	0.2	0.04	1.9	<0.1	<0.05	3	<0.5	<0.2
1324680	Soil	32	25	0.35	116	0.005	<1	0.90	0.004	0.05	0.1	0.08	2.6	<0.1	<0.05	2	0.6	<0.2
1319373	Soil	17	14	0.26	87	0.018	<1	0.74	0.003	0.04	0.2	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
1324679	Soil	36	32	0.40	132	0.004	1	0.97	0.003	0.05	0.1	0.09	2.6	<0.1	<0.05	3	<0.5	<0.2
1319372	Soil	15	25	0.37	165	0.026	2	1.69	0.004	0.04	0.2	0.03	2.3	<0.1	<0.05	4	0.9	<0.2
1324687	Soil	32	19	0.38	117	0.009	<1	0.91	0.004	0.06	<0.1	0.05	2.1	<0.1	<0.05	3	<0.5	<0.2
1324685	Soil	28	20	0.30	82	0.008	<1	0.83	0.003	0.06	0.1	0.04	1.9	<0.1	<0.05	3	<0.5	<0.2
1319380	Soil	20	15	0.24	79	0.016	<1	0.86	0.004	0.04	0.2	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
1319379	Soil	27	20	0.39	148	0.010	<1	1.25	0.004	0.05	0.2	0.04	1.8	<0.1	<0.05	4	<0.5	<0.2
1319370	Soil	30	17	0.38	127	0.021	<1	1.05	0.006	0.03	<0.1	0.02	2.4	<0.1	<0.05	3	0.6	<0.2
1319360	Soil	14	18	0.33	89	0.025	1	0.86	0.004	0.05	0.4	0.01	1.8	<0.1	<0.05	3	<0.5	<0.2
1319351	Soil	4	30	0.80	97	0.125	2	1.60	0.096	0.12	13.2	0.01	4.5	<0.1	<0.05	5	<0.5	<0.2
1324686	Soil	34	19	0.38	113	0.008	1	0.93	0.006	0.05	<0.1	0.05	2.2	<0.1	<0.05	3	<0.5	<0.2
1319378	Soil	28	17	0.31	143	0.013	<1	1.11	0.004	0.04	0.2	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
1324684	Soil	37	21	0.41	97	0.010	<1	0.94	0.006	0.06	<0.1	0.06	2.4	<0.1	<0.05	3	<0.5	<0.2
1324682	Soil	37	23	0.37	79	0.034	<1	0.86	0.006	0.07	<0.1	0.09	2.8	<0.1	<0.05	2	<0.5	<0.2
1319382	Soil	39	13	0.23	42	0.015	<1	0.73	0.004	0.03	0.1	0.01	1.0	<0.1	<0.05	5	<0.5	<0.2
1319369	Soil	20	16	0.30	73	0.024	<1	0.97	0.006	0.03	<0.1	0.01	1.9	<0.1	<0.05	3	<0.5	<0.2
1319375	Soil	15	14	0.23	174	0.020	<1	0.87	0.005	0.03	0.2	0.01	1.8	<0.1	<0.05	3	<0.5	<0.2
1319376	Soil	13	16	0.25	96	0.020	<1	0.84	0.004	0.03	0.2	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
1319374	Soil	11	16	0.26	90	0.020	1	0.83	0.003	0.03	0.2	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
1319366	Soil	15	26	0.40	145	0.024	1	1.49	0.004	0.05	0.2	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2
1319377	Soil	22	11	0.16	105	0.007	1	0.79	0.003	0.03	0.2	0.01	0.7	<0.1	<0.05	4	<0.5	<0.2
1319365	Soil	16	16	0.29	112	0.021	1	0.79	0.004	0.04	0.1	0.04	2.4	<0.1	<0.05	2	<0.5	<0.2
1319368	Soil	15	20	0.33	82	0.018	1	1.05	0.003	0.04	0.2	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1319371	Soil	15	25	0.39	289	0.025	<1	1.28	0.006	0.03	0.2	0.04	3.2	<0.1	<0.05	4	<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	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	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	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1319367	Soil		0.9	21.5	7.6	48	<0.1	21.2	8.1	233	2.18	8.4	0.9	3.3	4.9	8	<0.1	0.8	0.1	30	0.09	0.031
1319364	Soil		1.2	13.3	7.4	51	<0.1	18.8	6.9	247	2.61	11.6	0.5	1.5	3.7	13	<0.1	0.8	0.1	41	0.18	0.144
1277043	Soil		0.9	19.2	5.7	56	<0.1	23.5	8.7	278	1.80	8.1	0.7	1.1	4.1	12	0.2	0.8	<0.1	22	0.13	0.054
1277036	Soil		1.9	49.4	25.3	53	<0.1	15.7	6.0	114	3.78	14.4	2.1	3.4	15.1	15	<0.1	0.8	0.4	15	0.10	0.039
1277034	Soil		0.8	14.7	6.2	46	<0.1	17.7	6.9	177	1.84	9.0	0.6	22.0	3.7	12	<0.1	0.7	<0.1	24	0.16	0.052
1277039	Soil		0.8	12.8	6.0	46	<0.1	14.7	5.6	120	1.70	7.6	0.6	14.5	3.2	12	<0.1	0.6	<0.1	22	0.15	0.048
1277035	Soil		1.0	11.6	7.9	57	<0.1	18.9	7.5	203	1.91	11.1	0.5	1.2	3.6	10	0.1	0.8	0.1	23	0.12	0.052
1277044	Soil		1.1	20.5	9.1	50	<0.1	26.0	10.8	178	2.30	12.6	0.7	36.8	5.4	6	0.1	0.9	0.1	34	0.06	0.025
1277038	Soil		1.1	18.3	8.6	55	0.1	18.5	6.6	152	2.15	8.2	1.0	83.6	4.6	13	0.1	0.7	0.1	23	0.16	0.051
1277030	Soil		0.8	21.7	7.6	52	<0.1	22.8	8.7	263	2.07	10.1	0.7	6.1	4.6	16	0.2	1.1	0.1	23	0.23	0.048
1277032	Soil		0.6	8.1	4.4	31	<0.1	10.6	4.8	102	1.37	5.4	0.4	7.6	2.7	12	<0.1	0.4	<0.1	19	0.19	0.039
1277022	Soil		0.9	19.6	9.4	47	0.2	20.3	8.2	174	2.26	11.8	0.7	4.9	4.4	14	<0.1	1.8	0.2	22	0.15	0.034
1277028	Soil		0.7	14.6	6.4	43	<0.1	13.5	6.7	174	1.58	7.0	0.7	2.4	2.8	9	<0.1	0.6	0.1	24	0.11	0.042
1277025	Soil		0.9	14.8	6.7	45	<0.1	15.3	7.1	210	2.22	10.1	0.4	32.1	3.3	5	<0.1	1.2	0.1	28	0.06	0.032
1277027	Soil		0.9	27.6	8.6	55	<0.1	27.9	11.1	264	2.66	12.9	0.8	8.3	5.7	10	<0.1	1.8	0.2	23	0.12	0.032
1277040	Soil		0.6	15.3	5.2	37	<0.1	13.5	5.0	113	1.63	8.1	0.5	9.3	3.1	12	<0.1	0.5	<0.1	21	0.17	0.054
1277041	Soil		0.7	13.4	5.5	43	<0.1	14.8	6.4	129	1.69	8.2	0.5	1.0	3.2	11	<0.1	0.5	<0.1	25	0.16	0.046
1277029	Soil		0.7	20.3	7.0	36	<0.1	16.0	4.5	61	1.56	8.3	0.7	3.7	1.5	8	0.1	0.7	0.1	27	0.10	0.043
1277031	Soil		0.3	13.8	5.1	26	0.2	11.9	4.4	146	0.97	1.7	0.9	2.1	1.7	29	<0.1	0.3	<0.1	21	0.51	0.034
1277037	Soil		1.1	28.9	18.2	64	<0.1	18.0	6.7	156	3.24	11.0	1.2	2.8	13.1	15	<0.1	1.0	0.3	18	0.12	0.036
1277026	Soil		2.2	47.4	22.5	63	<0.1	15.1	6.1	115	3.92	14.4	2.4	3.2	19.7	19	<0.1	0.5	0.5	12	0.10	0.040
1277023	Soil		0.9	41.3	7.3	49	0.1	28.1	12.4	276	2.77	15.0	0.7	7.3	4.6	9	<0.1	1.4	0.1	31	0.11	0.032
1277033	Soil		0.7	15.7	6.1	40	0.1	18.0	6.9	115	1.88	7.5	0.8	1.7	2.4	20	0.1	0.5	0.1	29	0.31	0.048
1277042	Soil		0.7	17.8	5.7	44	<0.1	18.6	6.9	189	1.87	8.9	0.7	1.9	3.6	11	<0.1	0.8	<0.1	26	0.16	0.047
1277021	Soil		1.0	20.9	12.9	54	<0.1	23.8	12.8	289	2.71	10.0	0.8	67.9	5.6	10	<0.1	1.7	0.2	23	0.05	0.050
1277024	Soil		0.9	17.9	7.6	48	<0.1	18.5	8.6	253	2.16	11.6	0.7	66.1	4.1	10	0.1	1.1	0.1	25	0.12	0.039
1277047	Soil		0.9	29.9	11.2	50	0.1	22.2	9.3	209	2.46	12.7	1.4	11.8	8.0	11	<0.1	0.7	0.2	28	0.09	0.033
1318983	Soil		0.9	32.1	12.7	66	0.1	42.6	20.3	449	3.61	20.4	1.2	3.9	10.1	13	<0.1	4.1	0.3	23	0.18	0.040
1318978	Soil		0.9	25.1	13.1	56	<0.1	24.2	8.7	159	3.42	10.8	0.7	2.3	8.7	10	<0.1	1.5	0.2	28	0.04	0.041
1318982	Soil		0.8	32.9	12.0	65	0.1	46.5	18.2	721	3.24	16.7	1.2	2.7	7.7	23	0.1	3.5	0.2	24	0.32	0.042

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
1319367	Soil	17	21	0.37	126	0.023	1	1.10	0.004	0.04	0.2	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
1319364	Soil	14	22	0.32	109	0.020	1	0.91	0.004	0.05	0.5	0.02	1.8	<0.1	<0.05	3	<0.5	<0.2
1277043	Soil	12	14	0.27	108	0.011	1	0.68	0.003	0.05	0.1	0.02	1.6	<0.1	<0.05	2	<0.5	<0.2
1277036	Soil	61	17	0.53	187	0.004	<1	1.28	0.004	0.05	<0.1	<0.01	1.6	<0.1	<0.05	4	<0.5	<0.2
1277034	Soil	13	15	0.29	145	0.015	1	0.72	0.003	0.03	0.4	0.02	1.4	<0.1	<0.05	2	<0.5	<0.2
1277039	Soil	14	14	0.26	151	0.010	<1	0.70	0.003	0.03	0.3	0.02	1.2	<0.1	<0.05	2	<0.5	<0.2
1277035	Soil	12	15	0.26	102	0.010	<1	0.77	0.003	0.04	0.3	0.05	1.3	<0.1	<0.05	2	<0.5	<0.2
1277044	Soil	13	23	0.34	152	0.022	2	1.31	0.004	0.05	0.3	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
1277038	Soil	23	17	0.37	186	0.009	1	0.94	0.003	0.04	0.4	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
1277030	Soil	17	15	0.28	189	0.011	1	0.69	0.003	0.05	0.3	0.07	1.7	<0.1	<0.05	2	<0.5	<0.2
1277032	Soil	11	11	0.21	122	0.008	<1	0.54	0.002	0.02	0.4	0.02	1.0	<0.1	<0.05	2	<0.5	<0.2
1277022	Soil	17	16	0.26	174	0.005	<1	0.83	0.003	0.04	0.2	0.04	1.6	<0.1	<0.05	3	<0.5	<0.2
1277028	Soil	13	15	0.26	160	0.009	1	0.80	0.003	0.03	0.2	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1277025	Soil	13	17	0.27	93	0.009	<1	0.89	0.002	0.04	0.2	0.01	1.3	<0.1	<0.05	3	<0.5	<0.2
1277027	Soil	22	20	0.31	297	0.009	1	0.87	0.003	0.05	0.1	0.04	2.4	<0.1	<0.05	3	<0.5	<0.2
1277040	Soil	13	13	0.25	212	0.014	1	0.62	0.003	0.03	0.2	0.03	1.3	<0.1	<0.05	2	<0.5	<0.2
1277041	Soil	12	16	0.29	171	0.014	<1	0.79	0.003	0.03	0.2	0.02	1.5	<0.1	<0.05	2	<0.5	<0.2
1277029	Soil	12	15	0.23	226	0.007	<1	0.78	0.003	0.03	0.3	0.04	1.3	<0.1	<0.05	3	<0.5	<0.2
1277031	Soil	10	13	0.24	348	0.006	<1	0.71	0.004	0.03	0.1	0.04	1.8	<0.1	0.08	2	0.7	<0.2
1277037	Soil	43	16	0.52	214	0.005	<1	1.25	0.005	0.07	0.1	0.01	1.6	0.1	0.06	4	<0.5	<0.2
1277026	Soil	72	18	0.71	205	0.002	<1	1.46	0.004	0.06	<0.1	<0.01	1.5	<0.1	<0.05	4	<0.5	<0.2
1277023	Soil	18	19	0.36	129	0.005	1	1.02	0.004	0.08	0.2	0.02	2.8	<0.1	<0.05	3	<0.5	<0.2
1277033	Soil	11	16	0.28	328	0.007	1	0.88	0.004	0.04	0.2	0.03	2.0	<0.1	0.06	3	0.6	<0.2
1277042	Soil	16	17	0.31	237	0.016	<1	0.80	0.004	0.03	0.2	0.04	1.8	<0.1	<0.05	3	<0.5	<0.2
1277021	Soil	19	17	0.27	141	0.007	<1	0.90	0.004	0.05	0.3	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
1277024	Soil	17	18	0.29	176	0.008	<1	0.83	0.003	0.04	0.3	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
1277047	Soil	24	21	0.40	266	0.019	<1	1.00	0.004	0.05	0.3	0.04	2.9	<0.1	<0.05	3	<0.5	<0.2
1318983	Soil	31	38	0.53	113	0.006	<1	1.08	0.004	0.05	<0.1	0.04	3.0	<0.1	<0.05	3	<0.5	<0.2
1318978	Soil	30	30	0.52	63	0.006	<1	1.41	0.003	0.06	0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1318982	Soil	30	43	0.59	167	0.006	<1	1.17	0.005	0.05	<0.1	0.05	3.1	<0.1	<0.05	3	<0.5	<0.2



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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1318981	Soil	0.8	38.0	13.9	62	0.1	44.4	14.9	381	3.23	17.2	1.4	5.0	10.2	16	<0.1	4.2	0.3	22	0.22	0.040
1318980	Soil	0.8	35.8	12.9	64	<0.1	41.3	13.4	324	3.08	16.5	1.2	3.9	9.4	21	<0.1	3.7	0.3	25	0.34	0.047
1318977	Soil	0.6	24.2	12.2	55	<0.1	30.5	11.2	289	2.59	18.6	1.2	4.6	7.9	14	<0.1	2.9	0.2	18	0.18	0.041
1318979	Soil	1.1	35.4	11.6	71	0.1	62.0	14.5	339	3.37	17.4	0.9	2.5	8.2	16	0.1	3.0	0.2	38	0.25	0.047
1277049	Soil	0.8	27.0	9.3	53	<0.1	23.0	8.4	187	2.35	11.8	1.1	29.5	7.4	8	<0.1	1.2	0.2	20	0.06	0.031
1277048	Soil	0.8	27.1	7.7	47	<0.1	18.8	7.0	166	1.88	10.0	1.3	3.7	5.6	10	<0.1	0.7	0.1	26	0.12	0.043
1277046	Soil	1.6	10.2	10.0	38	0.3	11.0	5.1	180	2.29	9.3	0.4	4.9	2.3	9	0.1	0.6	0.2	53	0.07	0.046
1277050	Soil	0.8	17.9	8.6	50	<0.1	19.4	8.1	196	2.16	12.4	0.7	1.7	4.6	9	<0.1	1.1	0.2	23	0.09	0.047
1277045	Soil	1.2	38.2	17.0	60	0.2	33.6	12.9	309	2.95	15.2	1.6	2.3	13.7	12	<0.1	2.2	0.3	19	0.10	0.030
1318965	Soil	0.8	16.6	8.8	45	<0.1	17.4	5.9	134	1.86	9.3	0.9	18.8	3.3	10	0.1	1.0	0.2	20	0.08	0.048
1318966	Soil	0.9	18.9	10.7	53	<0.1	23.6	9.0	209	2.26	16.4	0.9	3.3	7.4	11	0.1	1.1	0.2	19	0.08	0.043
1318967	Soil	0.7	23.0	15.6	48	0.1	21.3	7.8	154	2.30	18.7	1.5	5.5	9.9	20	<0.1	1.9	0.3	16	0.07	0.043
1318962	Soil	0.6	18.7	6.4	38	<0.1	33.9	6.3	111	1.79	10.4	0.6	2.5	3.8	9	<0.1	0.9	0.1	27	0.12	0.035
1318973	Soil	0.7	17.3	10.5	41	0.2	17.7	6.0	150	2.09	13.7	1.1	22.4	5.0	9	<0.1	1.0	0.2	23	0.06	0.041
1318972	Soil	0.6	21.5	10.3	45	<0.1	25.2	8.6	164	1.98	18.9	1.3	5.4	6.3	19	<0.1	2.8	0.2	19	0.27	0.042
1318974	Soil	1.5	43.9	26.1	95	0.2	44.3	24.4	661	4.18	16.9	2.4	18.8	18.5	21	<0.1	2.3	0.5	12	0.09	0.046
1318968	Soil	1.2	29.8	16.9	59	<0.1	26.0	9.4	229	3.07	10.2	1.2	0.6	8.9	11	<0.1	1.0	0.4	18	0.03	0.044
1318970	Soil	0.9	35.6	17.2	69	<0.1	24.6	9.0	169	3.15	10.8	1.7	2.4	12.6	11	<0.1	1.3	0.3	16	0.04	0.038
1318971	Soil	0.6	19.9	11.8	46	0.1	25.5	8.0	107	2.24	14.6	1.9	2.3	6.0	21	<0.1	3.0	0.2	19	0.31	0.045
1318975	Soil	0.7	22.2	11.3	46	0.1	28.1	10.2	195	2.49	16.4	1.4	3.4	6.3	16	<0.1	4.0	0.2	21	0.20	0.045
1318976	Soil	0.7	24.0	11.2	49	0.2	28.8	9.6	191	2.27	13.9	1.7	4.5	6.6	19	<0.1	3.8	0.2	20	0.25	0.047
1318969	Soil	1.6	54.0	23.7	82	0.2	32.2	12.6	297	4.43	25.1	2.5	1.6	16.8	17	<0.1	1.7	0.6	15	0.05	0.050
1318959	Soil	1.0	21.4	11.0	57	0.2	20.8	7.1	131	2.34	7.9	1.2	180.2	6.5	13	0.1	0.9	0.2	27	0.15	0.065
1318963	Soil	0.9	24.2	9.3	54	<0.1	28.0	10.0	179	2.27	11.4	0.6	3.8	4.8	8	<0.1	0.7	0.1	34	0.07	0.034
1318964	Soil	0.6	8.5	6.1	25	<0.1	8.5	2.5	59	1.14	6.1	0.4	4.3	2.3	6	<0.1	0.4	0.1	23	0.05	0.023
1318960	Soil	1.0	33.5	10.8	71	0.1	27.6	9.9	214	2.88	9.8	1.7	70.8	10.5	15	0.1	2.0	0.3	29	0.16	0.049
1318961	Soil	0.5	81.5	11.4	61	0.3	195.2	32.9	555	4.23	96.6	1.2	16.1	8.8	18	<0.1	22.6	0.2	46	0.28	0.046
1318955	Soil	1.3	32.4	18.6	91	0.1	35.2	18.2	492	3.54	8.3	1.5	4.3	9.3	12	<0.1	1.9	0.4	16	0.05	0.046
1318958	Soil	0.9	16.6	6.2	53	<0.1	17.6	6.7	135	1.77	7.0	0.8	2.0	4.1	16	0.1	0.6	0.1	24	0.20	0.062
1318957	Soil	0.7	47.7	12.7	67	<0.1	88.5	25.6	566	4.02	14.1	0.7	1.4	8.1	9	<0.1	1.8	0.1	55	0.18	0.045

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1318981	Soil	29	43	0.57	92	0.004	1	1.08	0.004	0.04	<0.1	0.05	2.8	<0.1	<0.05	3	<0.5	<0.2
1318980	Soil	26	41	0.55	115	0.009	1	1.08	0.004	0.04	0.1	0.05	3.1	<0.1	<0.05	3	<0.5	<0.2
1318977	Soil	24	28	0.37	81	0.005	1	0.70	0.003	0.03	0.1	0.03	1.8	<0.1	<0.05	2	<0.5	<0.2
1318979	Soil	24	90	0.85	185	0.015	1	1.39	0.005	0.04	0.2	0.03	4.2	<0.1	<0.05	4	<0.5	<0.2
1277049	Soil	27	16	0.39	173	0.011	1	0.86	0.003	0.03	0.2	0.04	2.0	<0.1	<0.05	3	<0.5	<0.2
1277048	Soil	19	17	0.32	251	0.016	1	0.84	0.004	0.03	0.2	0.04	2.5	<0.1	<0.05	2	<0.5	<0.2
1277046	Soil	11	23	0.24	220	0.016	<1	1.34	0.005	0.03	0.2	0.02	1.7	0.1	<0.05	5	<0.5	<0.2
1277050	Soil	15	16	0.30	101	0.013	1	0.76	0.003	0.03	0.3	0.02	1.3	<0.1	<0.05	2	<0.5	<0.2
1277045	Soil	45	17	0.36	578	0.005	<1	1.03	0.003	0.06	0.1	0.07	2.2	<0.1	<0.05	3	<0.5	<0.2
1318965	Soil	20	14	0.26	99	0.007	<1	0.70	0.003	0.03	0.3	0.02	1.0	<0.1	<0.05	2	<0.5	<0.2
1318966	Soil	25	18	0.35	99	0.007	<1	0.85	0.003	0.04	0.2	0.01	1.2	<0.1	<0.05	3	<0.5	<0.2
1318967	Soil	28	13	0.28	88	0.006	<1	0.72	0.004	0.04	<0.1	0.02	1.1	<0.1	<0.05	2	<0.5	<0.2
1318962	Soil	12	26	0.28	99	0.009	<1	0.80	0.002	0.02	0.2	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
1318973	Soil	24	17	0.33	132	0.005	<1	1.05	0.006	0.04	0.2	0.02	1.2	<0.1	<0.05	4	<0.5	<0.2
1318972	Soil	23	22	0.34	103	0.004	1	0.75	0.003	0.04	0.1	0.03	1.6	<0.1	0.05	2	<0.5	<0.2
1318974	Soil	48	15	0.43	70	0.002	<1	1.18	0.007	0.07	<0.1	0.01	1.7	<0.1	0.05	3	<0.5	<0.2
1318968	Soil	28	15	0.41	45	0.007	<1	0.91	0.004	0.04	0.1	0.01	1.0	<0.1	<0.05	3	<0.5	<0.2
1318970	Soil	43	17	0.44	89	0.006	<1	0.99	0.004	0.05	0.1	0.01	1.3	<0.1	<0.05	3	<0.5	<0.2
1318971	Soil	22	26	0.38	79	0.005	1	0.75	0.003	0.03	<0.1	0.03	1.7	<0.1	0.07	2	1.3	<0.2
1318975	Soil	23	29	0.37	103	0.004	<1	0.80	0.002	0.03	0.1	0.04	1.8	<0.1	<0.05	2	<0.5	<0.2
1318976	Soil	24	30	0.38	98	0.005	<1	0.84	0.003	0.04	0.1	0.04	1.8	<0.1	<0.05	2	<0.5	<0.2
1318969	Soil	39	18	0.45	61	0.004	<1	1.10	0.007	0.05	<0.1	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
1318959	Soil	24	18	0.34	138	0.015	<1	0.88	0.003	0.03	0.3	0.05	1.8	<0.1	<0.05	3	<0.5	<0.2
1318963	Soil	11	23	0.32	167	0.019	1	1.34	0.004	0.03	0.2	0.01	1.6	<0.1	<0.05	3	<0.5	<0.2
1318964	Soil	12	13	0.16	103	0.010	<1	0.59	0.003	0.03	0.1	0.02	0.9	<0.1	<0.05	3	<0.5	<0.2
1318960	Soil	29	21	0.43	197	0.021	<1	1.00	0.003	0.04	0.2	0.02	2.6	0.1	<0.05	3	<0.5	<0.2
1318961	Soil	25	333	1.78	42	0.007	<1	1.65	0.002	0.04	<0.1	0.02	11.1	0.2	<0.05	4	<0.5	<0.2
1318955	Soil	27	11	0.22	72	0.004	<1	0.75	0.005	0.04	0.1	0.03	1.7	<0.1	<0.05	2	<0.5	<0.2
1318958	Soil	14	16	0.31	225	0.013	1	0.70	0.004	0.03	0.3	0.03	1.5	<0.1	<0.05	2	<0.5	<0.2
1318957	Soil	22	134	1.21	43	0.022	<1	1.54	0.003	0.05	<0.1	0.02	7.7	<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	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			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	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1318956	Soil		0.7	15.7	7.2	34	<0.1	17.1	5.9	127	1.91	8.6	0.4	0.8	3.8	8	<0.1	0.6	0.1	31	0.08	0.022
1318954	Soil		0.8	18.1	8.4	48	<0.1	17.7	7.4	191	2.23	9.1	0.7	3.4	4.8	8	<0.1	0.6	0.1	26	0.08	0.044
1318953	Soil		0.7	19.5	7.7	47	<0.1	16.9	9.1	304	2.02	10.3	0.7	2.3	4.9	7	<0.1	0.6	0.1	26	0.07	0.039
1319940	Soil		1.0	18.6	9.1	52	<0.1	18.8	10.6	391	2.32	10.8	0.7	2.0	3.2	9	0.1	0.7	0.1	40	0.10	0.063
1319943	Soil		1.1	17.5	10.2	46	<0.1	18.8	6.4	198	2.61	13.8	0.5	3.5	4.1	7	<0.1	0.7	0.2	38	0.05	0.033
1319944	Soil		0.5	20.7	10.2	38	<0.1	19.1	7.9	360	1.91	8.7	0.9	5.4	8.2	7	<0.1	0.6	0.1	16	0.04	0.022
1319939	Soil		0.9	17.0	9.9	59	<0.1	18.3	9.8	345	2.41	12.3	1.0	4.1	4.0	12	0.2	0.6	0.2	39	0.13	0.073
1319942	Soil		0.9	26.0	9.0	51	<0.1	19.7	8.6	300	2.00	9.7	1.0	2.7	5.2	11	0.1	0.8	0.2	32	0.10	0.029
1319945	Soil		0.7	31.6	9.5	51	<0.1	23.5	9.4	302	2.10	13.1	1.3	3.6	4.4	12	0.1	1.0	0.1	33	0.11	0.046
1319946	Soil		1.6	38.4	19.6	61	<0.1	16.2	7.5	178	3.92	14.0	2.2	3.5	21.1	16	<0.1	0.7	0.7	15	0.07	0.040
1319926	Soil		1.2	13.2	10.7	51	<0.1	14.0	10.3	480	2.41	10.8	0.7	2.9	1.4	9	0.2	0.5	0.2	41	0.09	0.092
1319941	Soil		0.7	23.0	10.6	48	<0.1	17.9	8.5	256	2.10	9.0	1.1	1.2	5.8	9	<0.1	0.8	<0.1	27	0.04	0.020
1319947	Soil		0.7	27.8	9.3	49	<0.1	20.4	9.5	277	1.95	7.1	1.0	2.0	6.8	10	0.1	0.8	<0.1	24	0.07	0.026
1319948	Soil		0.6	24.8	11.9	52	<0.1	22.3	9.3	381	2.11	7.5	1.0	2.9	6.4	11	<0.1	0.7	0.1	24	0.08	0.030
1319949	Soil		0.7	18.7	11.7	52	<0.1	15.9	7.1	184	2.51	8.3	1.2	1.8	7.8	10	<0.1	0.6	0.1	32	0.06	0.023
1319957	Soil		0.7	22.9	9.2	38	0.2	14.1	5.8	141	1.67	5.7	1.6	1.7	0.6	18	0.2	0.4	0.1	26	0.13	0.062
1319962	Soil		1.1	29.5	11.3	49	0.3	25.5	7.7	182	2.67	13.7	5.1	3.7	2.8	37	<0.1	0.9	0.1	34	0.42	0.066
1319961	Soil		0.9	23.2	11.1	49	0.2	17.9	7.0	171	2.52	7.0	1.5	1.9	1.1	14	0.2	0.7	0.2	28	0.09	0.080
1319960	Soil		0.7	15.1	8.7	41	0.2	15.8	9.2	230	1.92	5.0	1.2	8.3	1.3	22	<0.1	0.4	0.3	29	0.21	0.062
1319959	Soil		1.0	26.4	10.6	52	0.4	19.0	7.7	160	2.17	3.5	1.9	2.1	1.8	22	0.2	0.3	0.3	26	0.10	0.077
1319958	Soil		0.6	19.5	8.2	49	<0.1	16.4	7.2	179	1.95	7.6	1.2	34.2	4.4	17	0.2	0.8	0.1	29	0.15	0.069
1319956	Soil		0.8	17.3	8.6	52	<0.1	15.8	6.7	184	2.20	6.3	1.0	13.7	3.6	16	0.1	0.6	0.1	34	0.12	0.057
1319955	Soil		1.0	16.4	11.3	56	<0.1	19.1	13.6	472	2.89	7.2	1.1	16.8	5.8	17	0.1	0.6	0.1	45	0.17	0.093
1319953	Soil		1.0	23.9	12.4	56	<0.1	22.4	8.6	242	2.60	10.0	1.9	4.3	7.4	14	<0.1	0.7	0.1	41	0.09	0.039
1319954	Soil		0.9	26.0	15.2	53	<0.1	15.6	6.5	172	3.20	6.7	2.2	2.5	14.2	21	0.1	0.6	0.3	31	0.05	0.052
1319952	Soil		0.7	23.3	13.4	57	<0.1	24.9	9.9	253	2.50	9.6	1.4	2.3	7.5	10	0.1	0.7	<0.1	38	0.07	0.020
1319950	Soil		2.0	32.2	15.2	72	<0.1	13.7	6.1	177	3.61	7.4	3.7	2.3	23.5	32	<0.1	0.6	0.4	18	0.06	0.045
1319963	Soil		0.8	21.0	11.3	41	0.2	15.2	6.8	190	2.07	6.6	1.4	2.4	2.3	17	0.1	0.7	0.1	28	0.13	0.063
1319965	Soil		0.7	22.7	8.9	47	<0.1	15.4	6.2	183	2.06	7.3	1.6	6.0	6.7	11	0.1	1.0	<0.1	28	0.06	0.025
1319966	Soil		1.0	14.8	9.7	44	0.1	11.6	5.2	162	2.08	8.0	0.9	3.5	2.0	12	0.1	0.6	0.1	31	0.06	0.053

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DAW12000158.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	
1318956	Soil	12	21	0.24	78	0.014	<1	0.69	0.004	0.03	0.2	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1318954	Soil	15	18	0.31	119	0.011	<1	0.89	0.003	0.03	0.2	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
1318953	Soil	13	17	0.29	122	0.014	<1	0.89	0.003	0.03	0.2	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
1319940	Soil	15	25	0.37	115	0.027	<1	1.21	0.005	0.04	0.3	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
1319943	Soil	15	26	0.38	100	0.027	<1	1.22	0.004	0.04	0.2	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
1319944	Soil	24	14	0.30	76	0.017	<1	0.79	0.004	0.04	0.1	0.01	1.5	<0.1	<0.05	2	<0.5	<0.2
1319939	Soil	14	24	0.39	155	0.027	1	1.31	0.006	0.04	0.2	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2
1319942	Soil	18	18	0.35	196	0.038	1	1.00	0.004	0.04	0.2	0.03	3.2	<0.1	<0.05	3	<0.5	<0.2
1319945	Soil	17	20	0.34	217	0.025	<1	1.03	0.004	0.04	0.2	0.02	3.4	<0.1	<0.05	3	<0.5	<0.2
1319946	Soil	48	19	0.48	195	0.005	<1	1.06	0.005	0.04	<0.1	<0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
1319926	Soil	12	22	0.34	124	0.019	<1	1.16	0.004	0.03	0.2	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
1319941	Soil	24	18	0.35	140	0.023	<1	0.96	0.004	0.04	0.2	0.02	2.5	<0.1	<0.05	3	<0.5	<0.2
1319947	Soil	23	16	0.32	178	0.023	<1	0.88	0.006	0.04	0.1	0.03	2.8	<0.1	<0.05	3	<0.5	<0.2
1319948	Soil	23	17	0.34	188	0.021	<1	0.97	0.006	0.06	0.1	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2
1319949	Soil	19	22	0.44	140	0.026	<1	1.20	0.004	0.04	0.1	0.03	2.5	<0.1	<0.05	4	<0.5	<0.2
1319957	Soil	21	17	0.24	220	0.012	<1	0.87	0.004	0.03	0.4	0.06	1.1	<0.1	<0.05	3	<0.5	<0.2
1319962	Soil	36	22	0.32	318	0.012	1	1.35	0.005	0.04	0.2	0.08	3.5	0.1	<0.05	4	0.6	<0.2
1319961	Soil	25	19	0.34	203	0.009	<1	1.14	0.004	0.04	0.2	0.05	1.5	<0.1	<0.05	4	<0.5	<0.2
1319960	Soil	20	17	0.30	224	0.009	<1	1.02	0.004	0.03	0.3	0.05	1.5	0.1	<0.05	3	<0.5	<0.2
1319959	Soil	30	20	0.39	159	0.008	<1	1.16	0.005	0.05	0.2	0.07	1.4	<0.1	<0.05	4	<0.5	<0.2
1319958	Soil	19	17	0.31	107	0.021	<1	0.79	0.004	0.03	0.4	0.03	1.6	<0.1	<0.05	3	<0.5	<0.2
1319956	Soil	22	17	0.33	94	0.024	<1	0.83	0.004	0.04	0.4	0.03	1.5	<0.1	<0.05	3	<0.5	<0.2
1319955	Soil	23	18	0.43	131	0.041	<1	1.13	0.005	0.06	0.2	0.01	2.0	<0.1	<0.05	4	<0.5	<0.2
1319953	Soil	21	25	0.38	174	0.026	<1	1.40	0.006	0.04	0.1	0.03	2.9	<0.1	<0.05	4	<0.5	<0.2
1319954	Soil	43	20	0.35	79	0.018	<1	1.15	0.005	0.04	0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1319952	Soil	21	25	0.40	190	0.034	<1	1.37	0.005	0.04	0.2	0.03	3.7	<0.1	<0.05	4	<0.5	<0.2
1319950	Soil	55	23	0.64	97	0.010	<1	1.42	0.005	0.04	<0.1	0.01	1.9	<0.1	<0.05	5	<0.5	<0.2
1319963	Soil	22	18	0.30	189	0.010	<1	1.03	0.004	0.03	0.2	0.04	1.6	<0.1	<0.05	3	<0.5	<0.2
1319965	Soil	19	19	0.33	168	0.024	<1	0.98	0.003	0.03	0.2	0.04	2.4	<0.1	<0.05	3	<0.5	<0.2
1319966	Soil	19	18	0.30	108	0.015	<1	1.02	0.004	0.03	0.2	0.03	1.4	<0.1	<0.05	4	<0.5	<0.2

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Project: CHA
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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1318268	Soil	0.9	20.7	10.4	49	<0.1	16.5	8.5	359	2.01	9.1	1.0	86.4	3.8	8	0.2	1.0	<0.1	23	0.07	0.047
1318257	Soil	1.1	14.4	11.6	55	<0.1	18.1	7.5	283	2.40	15.5	0.5	2.1	3.6	7	0.2	1.1	<0.1	29	0.05	0.051
1319967	Soil	1.1	35.2	19.7	69	0.2	25.1	13.6	495	3.40	4.5	1.7	1.4	13.0	19	<0.1	1.4	0.2	24	0.09	0.066
1319951	Soil	2.3	23.4	2.4	41	0.3	22.7	10.0	388	2.35	4.3	0.3	1.6	0.9	44	0.2	0.3	<0.1	59	0.83	0.058
1319968	Soil	1.3	26.2	14.7	61	<0.1	24.4	8.4	223	2.83	8.4	1.1	6.1	6.8	15	<0.1	1.6	0.2	33	0.08	0.048
1319964	Soil	0.3	16.6	11.5	36	0.2	14.4	4.5	86	1.56	4.1	1.1	3.1	0.9	20	0.1	0.4	0.1	22	0.15	0.077
1318265	Soil	0.6	21.7	9.3	46	<0.1	16.4	7.9	285	1.69	8.8	1.0	1.9	4.9	8	0.1	0.9	<0.1	17	0.07	0.046
1318258	Soil	0.6	18.3	8.3	51	<0.1	17.4	6.9	281	1.67	14.0	0.7	17.6	4.5	11	0.3	0.9	<0.1	18	0.12	0.063
1318260	Soil	0.8	29.2	8.0	47	<0.1	20.6	8.4	764	1.58	11.2	0.8	3.9	4.3	10	0.2	0.8	<0.1	18	0.11	0.059
1319969	Soil	1.2	22.2	11.8	53	0.1	24.6	8.0	186	2.57	10.5	1.6	15.7	7.3	11	<0.1	0.9	<0.1	41	0.06	0.021
1318262	Soil	0.8	31.7	16.8	71	<0.1	28.2	11.4	244	2.64	9.0	1.8	10.6	16.7	12	0.2	1.0	0.1	11	0.06	0.040
1318255	Soil	0.7	33.3	14.5	61	<0.1	22.9	10.5	308	2.43	8.9	1.2	55.0	9.9	9	0.1	1.3	0.1	17	0.06	0.038
1318615	Soil	1.0	17.6	9.2	52	<0.1	18.8	6.4	157	2.39	12.5	0.6	122.3	4.0	11	<0.1	1.0	0.2	25	0.12	0.064
1318264	Soil	0.6	17.2	7.9	44	<0.1	15.9	7.0	229	1.63	7.7	0.8	4.2	2.1	8	0.1	0.7	0.1	22	0.09	0.050
1318261	Soil	0.6	20.0	7.6	52	<0.1	18.5	7.6	300	1.58	11.1	0.6	5.4	4.6	9	0.1	0.8	0.1	23	0.11	0.061
1318621	Soil	0.5	15.8	11.6	49	0.1	17.5	5.9	126	1.65	5.6	1.2	3.4	3.2	23	<0.1	0.5	0.2	37	0.40	0.054
1318271	Soil	1.0	23.1	10.1	52	<0.1	18.9	7.0	145	1.98	12.3	0.9	90.6	4.0	10	<0.1	0.8	0.1	33	0.12	0.061
1318274	Soil	0.8	11.6	9.5	36	0.1	12.7	4.1	67	1.77	7.5	0.8	13.1	0.7	7	<0.1	0.4	0.1	31	0.07	0.056
1318263	Soil	0.6	22.1	7.0	43	<0.1	17.0	6.6	216	1.45	10.4	0.6	1.5	4.3	10	0.1	0.7	<0.1	21	0.12	0.055
1318266	Soil	0.8	30.6	13.6	65	<0.1	25.2	9.4	272	2.68	5.1	1.5	2.0	12.3	8	<0.1	0.8	0.2	23	0.07	0.035
1318269	Soil	0.8	22.0	10.6	51	<0.1	19.1	8.0	216	2.00	9.8	0.9	2.3	5.1	8	0.1	0.7	<0.1	27	0.09	0.049
1318617	Soil	0.6	8.7	6.6	42	<0.1	12.8	6.3	178	1.55	5.5	0.5	20.9	3.4	12	<0.1	0.5	<0.1	28	0.17	0.047
1318272	Soil	0.7	11.0	8.9	31	<0.1	10.3	3.5	56	1.42	7.5	0.7	2.4	0.5	7	<0.1	0.4	<0.1	30	0.08	0.047
1318618	Soil	1.0	15.1	9.5	37	<0.1	12.9	4.5	109	1.62	5.6	1.0	48.6	2.5	14	<0.1	0.6	0.1	28	0.20	0.040
1318616	Soil	0.7	11.5	9.6	44	0.2	14.6	5.9	92	1.60	4.8	0.9	1.1	2.1	11	<0.1	0.6	<0.1	33	0.13	0.058
1318613	Soil	0.7	17.7	8.6	44	<0.1	17.9	7.5	139	1.92	5.9	0.8	2.5	2.6	12	<0.1	0.8	<0.1	30	0.15	0.054
1318614	Soil	0.7	18.1	8.3	40	<0.1	15.8	6.6	157	1.85	7.9	0.9	2.4	4.2	8	<0.1	1.0	<0.1	30	0.10	0.044
1318612	Soil	1.0	19.9	9.4	48	<0.1	17.5	6.5	121	2.50	7.7	1.1	5.9	4.7	9	0.1	1.0	0.1	29	0.10	0.049
1318620	Soil	0.9	11.7	9.5	40	0.1	13.3	7.2	205	1.83	7.7	0.8	2.2	2.8	22	<0.1	0.5	<0.1	36	0.35	0.046
1318622	Soil	0.3	12.2	7.6	35	<0.1	13.3	4.5	78	1.20	2.9	0.9	0.7	2.9	18	<0.1	0.4	<0.1	30	0.29	0.043

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	
1318268	Soil	18	15	0.27	141	0.013	<1	0.81	0.002	0.03	0.3	0.04	2.3	<0.1	<0.05	3	<0.5	<0.2
1318257	Soil	12	18	0.28	83	0.014	<1	0.92	0.002	0.04	0.3	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1319967	Soil	41	22	0.43	170	0.011	<1	1.37	0.004	0.06	<0.1	0.02	1.6	<0.1	<0.05	4	<0.5	<0.2
1319951	Soil	4	30	0.76	99	0.119	2	1.45	0.086	0.12	13.5	0.01	4.9	<0.1	<0.05	5	<0.5	<0.2
1319968	Soil	29	25	0.43	138	0.026	<1	1.18	0.004	0.04	0.1	0.02	1.7	<0.1	<0.05	4	<0.5	<0.2
1319964	Soil	20	18	0.26	304	0.007	<1	1.13	0.004	0.04	0.2	0.04	1.2	0.1	<0.05	4	<0.5	<0.2
1318265	Soil	18	12	0.24	98	0.012	<1	0.60	0.003	0.03	0.2	0.02	1.7	<0.1	<0.05	2	<0.5	<0.2
1318258	Soil	15	11	0.23	119	0.013	<1	0.58	0.003	0.03	0.3	0.03	1.9	<0.1	<0.05	2	<0.5	<0.2
1318260	Soil	14	11	0.23	139	0.014	<1	0.59	0.002	0.03	0.2	0.04	2.1	<0.1	<0.05	2	<0.5	<0.2
1319969	Soil	20	27	0.39	217	0.033	<1	1.43	0.005	0.04	0.2	0.04	3.5	<0.1	<0.05	4	<0.5	<0.2
1318262	Soil	47	11	0.28	239	0.004	<1	0.64	0.002	0.05	<0.1	0.04	1.8	<0.1	<0.05	2	<0.5	<0.2
1318255	Soil	26	14	0.36	234	0.007	<1	0.84	0.002	0.04	0.2	0.03	2.3	<0.1	<0.05	3	<0.5	<0.2
1318615	Soil	13	15	0.26	112	0.012	1	0.65	0.002	0.03	0.5	0.03	1.4	<0.1	<0.05	2	<0.5	<0.2
1318264	Soil	15	13	0.24	121	0.010	1	0.64	0.002	0.02	0.2	0.02	1.4	<0.1	<0.05	2	<0.5	<0.2
1318261	Soil	12	11	0.21	86	0.011	<1	0.59	0.003	0.02	0.3	0.02	1.4	<0.1	<0.05	2	<0.5	<0.2
1318621	Soil	13	22	0.33	269	0.006	1	1.05	0.004	0.03	0.2	0.09	2.1	0.2	<0.05	3	<0.5	<0.2
1318271	Soil	15	18	0.27	139	0.014	<1	0.79	0.004	0.03	0.4	0.05	1.8	<0.1	<0.05	3	<0.5	<0.2
1318274	Soil	12	18	0.25	139	0.006	<1	0.89	0.003	0.02	0.3	0.06	0.8	0.1	<0.05	3	0.5	<0.2
1318263	Soil	12	11	0.23	125	0.013	1	0.52	0.003	0.03	0.2	0.03	1.7	<0.1	<0.05	2	<0.5	<0.2
1318266	Soil	37	20	0.46	228	0.009	<1	1.02	0.004	0.03	0.1	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2
1318269	Soil	17	16	0.26	258	0.011	<1	0.74	0.002	0.03	0.3	0.04	1.9	<0.1	<0.05	2	<0.5	<0.2
1318617	Soil	12	16	0.28	176	0.008	<1	0.81	0.003	0.02	0.3	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
1318272	Soil	12	16	0.22	140	0.006	<1	0.84	0.003	0.02	0.2	0.06	0.6	<0.1	<0.05	3	<0.5	<0.2
1318618	Soil	15	16	0.24	170	0.007	<1	0.72	0.003	0.03	0.2	0.03	1.3	<0.1	<0.05	3	<0.5	<0.2
1318616	Soil	13	21	0.28	254	0.006	<1	1.06	0.004	0.03	0.3	0.06	1.6	0.1	<0.05	3	<0.5	<0.2
1318613	Soil	17	19	0.29	177	0.008	<1	0.81	0.004	0.03	0.2	0.05	1.4	<0.1	<0.05	3	<0.5	<0.2
1318614	Soil	16	17	0.27	177	0.010	<1	0.89	0.004	0.02	0.2	0.04	1.8	<0.1	<0.05	3	<0.5	<0.2
1318612	Soil	23	19	0.34	152	0.010	<1	0.89	0.003	0.03	0.2	0.05	1.8	<0.1	<0.05	3	<0.5	<0.2
1318620	Soil	11	18	0.27	227	0.008	<1	0.83	0.004	0.02	0.3	0.04	1.6	<0.1	<0.05	3	<0.5	<0.2
1318622	Soil	12	16	0.26	208	0.006	<1	0.79	0.004	0.02	0.2	0.05	1.7	<0.1	<0.05	2	<0.5	<0.2



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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1318619	Soil	0.7	13.4	8.1	30	0.2	12.1	3.9	66	1.45	6.2	0.9	1.4	1.0	18	<0.1	0.4	<0.1	35	0.30	0.050
1318256	Soil	0.7	22.3	7.9	46	<0.1	21.6	7.8	358	1.67	9.8	0.8	1.5	4.6	8	<0.1	0.6	<0.1	24	0.10	0.053
1318273	Soil	0.5	10.8	9.3	32	0.1	11.4	4.1	58	1.34	4.7	0.7	35.3	0.9	6	<0.1	0.3	0.1	31	0.07	0.044
1318259	Soil	1.2	24.3	12.6	56	<0.1	22.7	8.5	295	1.88	7.8	1.0	1.8	7.1	8	0.1	0.7	0.1	23	0.09	0.044
1318270	Soil	0.8	23.8	9.3	49	<0.1	17.2	7.4	201	2.00	7.3	1.1	28.6	6.1	6	<0.1	0.6	0.1	27	0.07	0.039
1318267	Soil	0.7	23.0	10.4	48	<0.1	18.8	9.4	247	2.00	5.4	1.0	1.9	5.7	6	<0.1	0.7	0.1	19	0.06	0.039
1319904	Soil	0.7	44.8	15.0	61	<0.1	43.3	15.1	297	3.17	23.7	1.3	3.8	10.1	8	<0.1	3.2	0.2	22	0.10	0.037
1319899	Soil	0.7	28.1	11.6	53	<0.1	35.2	11.4	232	2.61	14.8	1.1	2.8	8.7	7	<0.1	2.4	0.1	25	0.07	0.026
1319900	Soil	0.8	34.8	13.6	50	<0.1	39.4	13.1	219	2.96	17.7	0.9	1.4	8.1	5	<0.1	2.8	0.2	29	0.04	0.021
1319902	Soil	0.8	36.0	15.6	57	<0.1	38.6	19.2	444	3.00	15.3	1.1	26.2	8.0	6	<0.1	2.6	0.2	22	0.05	0.035
1319903	Soil	1.2	36.6	15.0	59	<0.1	37.6	12.4	228	2.76	16.8	1.2	10.0	7.8	7	<0.1	2.6	0.2	31	0.07	0.029
1319901	Soil	1.3	433.5	20.9	151	0.2	223.3	77.5	765	14.16	2.3	1.2	30.3	7.1	12	<0.1	0.2	0.1	208	0.28	0.036
1319905	Soil	0.9	42.4	14.5	52	0.1	38.2	12.5	148	3.52	35.4	1.1	2.1	10.4	4	<0.1	3.0	0.2	14	0.01	0.029
1319906	Soil	0.8	50.4	18.2	70	0.1	51.1	19.0	391	3.44	32.4	1.6	4.9	11.8	10	<0.1	3.8	0.3	20	0.11	0.034
1319907	Soil	1.1	26.3	11.7	60	0.1	28.4	7.8	126	2.24	19.9	0.9	4.4	3.7	9	0.1	1.7	0.1	30	0.09	0.032
1319888	Soil	1.0	30.1	16.5	69	<0.1	35.2	13.8	201	2.95	60.7	1.0	2.7	11.1	8	<0.1	1.4	0.2	21	0.07	0.028
1319890	Soil	0.9	32.1	19.8	57	<0.1	25.1	8.8	132	2.75	18.1	1.2	6.1	13.5	11	<0.1	1.9	0.2	16	0.02	0.020
1319898	Soil	0.9	39.5	14.1	59	<0.1	46.7	14.6	328	2.81	19.9	1.5	3.4	10.6	9	<0.1	3.0	0.2	29	0.10	0.021
1319896	Soil	0.8	32.6	14.8	67	0.1	34.9	12.4	272	3.00	14.9	1.4	102.3	12.0	12	0.2	3.2	0.3	17	0.14	0.039
1319892	Soil	1.1	23.5	19.0	58	<0.1	20.5	9.0	202	3.16	23.1	1.2	8.9	12.9	12	0.1	2.3	0.3	29	0.03	0.032
1319887	Soil	0.9	22.0	14.5	52	<0.1	21.5	8.1	169	2.48	27.8	1.1	26.9	11.8	11	<0.1	1.3	0.2	19	0.07	0.021
1319891	Soil	1.1	24.8	14.1	56	<0.1	25.8	9.1	146	2.79	15.4	1.0	7.7	10.7	10	<0.1	1.8	0.2	24	0.03	0.029
1319895	Soil	0.7	29.5	14.1	60	<0.1	29.9	11.4	218	2.92	18.8	1.3	<0.5	11.9	7	<0.1	3.0	0.2	18	0.05	0.031
1319897	Soil	0.7	40.7	15.2	72	<0.1	46.5	16.6	352	3.41	20.2	1.8	4.3	13.3	18	<0.1	4.2	0.3	21	0.25	0.038
1319889	Soil	0.8	42.6	47.2	135	0.1	56.1	15.0	389	3.51	34.6	1.2	6.2	9.2	25	0.2	3.3	0.2	37	0.32	0.047
1319893	Soil	0.7	27.4	13.2	58	<0.1	27.4	9.4	208	2.60	33.2	1.2	3.0	9.1	10	<0.1	3.0	0.2	22	0.06	0.034
1319894	Soil	0.7	31.6	14.4	59	<0.1	35.9	12.9	266	2.88	19.1	1.4	2.9	12.0	9	<0.1	3.3	0.2	18	0.07	0.032
1319883	Soil	1.2	30.7	20.8	54	<0.1	11.0	4.5	139	3.24	42.8	1.5	3.1	19.2	12	<0.1	1.6	0.4	12	0.01	0.035
1319886	Soil	0.8	23.5	13.5	51	<0.1	26.9	8.8	165	2.43	48.4	1.0	5.4	10.4	9	<0.1	1.6	0.2	22	0.04	0.020
1319885	Soil	0.9	25.6	13.7	51	<0.1	21.9	8.4	174	2.39	41.2	1.7	4.9	11.9	11	<0.1	1.1	0.2	23	0.06	0.019

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1318619	Soil	11	18	0.25	206	0.007	<1	0.83	0.005	0.02	0.1	0.05	1.2	<0.1	<0.05	3	<0.5	<0.2
1318256	Soil	13	12	0.26	95	0.012	<1	0.67	0.003	0.02	0.2	<0.01	1.6	<0.1	<0.05	2	<0.5	<0.2
1318273	Soil	11	18	0.24	129	0.007	<1	0.88	0.003	0.02	0.1	0.07	0.9	<0.1	<0.05	3	<0.5	<0.2
1318259	Soil	18	13	0.25	139	0.012	<1	0.67	0.003	0.03	0.2	0.04	1.6	<0.1	<0.05	2	<0.5	<0.2
1318270	Soil	22	17	0.31	143	0.012	<1	0.82	0.003	0.02	0.4	0.04	1.9	<0.1	<0.05	3	<0.5	<0.2
1318267	Soil	25	14	0.27	83	0.008	<1	0.69	0.002	0.02	0.2	0.02	1.1	<0.1	<0.05	2	<0.5	<0.2
1319904	Soil	27	29	0.36	88	0.005	<1	0.78	0.003	0.03	<0.1	0.05	2.5	<0.1	<0.05	3	<0.5	<0.2
1319899	Soil	28	39	0.42	108	0.005	<1	0.96	0.003	0.04	<0.1	0.03	2.2	<0.1	<0.05	3	<0.5	<0.2
1319900	Soil	23	37	0.35	46	0.006	<1	0.94	0.002	0.03	<0.1	0.02	2.3	<0.1	<0.05	3	<0.5	<0.2
1319902	Soil	26	28	0.31	92	0.005	<1	0.75	0.002	0.03	<0.1	0.03	2.0	<0.1	<0.05	2	<0.5	<0.2
1319903	Soil	23	33	0.37	134	0.008	<1	1.00	0.003	0.03	<0.1	0.05	2.5	<0.1	<0.05	3	<0.5	<0.2
1319901	Soil	16	714	0.12	127	0.159	2	3.86	0.011	0.06	<0.1	0.03	34.7	0.1	<0.05	20	<0.5	<0.2
1319905	Soil	29	25	0.33	34	0.002	<1	0.88	0.002	0.03	<0.1	0.02	1.9	<0.1	<0.05	3	<0.5	<0.2
1319906	Soil	27	28	0.40	82	0.005	<1	0.81	0.004	0.03	<0.1	0.09	3.0	<0.1	<0.05	3	<0.5	<0.2
1319907	Soil	18	23	0.29	147	0.009	<1	0.88	0.003	0.05	0.1	0.06	1.9	<0.1	<0.05	3	<0.5	<0.2
1319888	Soil	27	23	0.38	81	0.005	<1	1.04	0.003	0.05	0.1	0.02	1.4	<0.1	<0.05	3	<0.5	<0.2
1319890	Soil	33	16	0.38	70	0.005	<1	0.95	0.004	0.05	<0.1	0.02	1.7	0.1	<0.05	3	<0.5	<0.2
1319898	Soil	27	42	0.48	216	0.011	<1	1.10	0.005	0.06	0.1	0.06	3.4	<0.1	<0.05	3	<0.5	<0.2
1319896	Soil	34	30	0.37	67	0.005	1	0.77	0.004	0.05	<0.1	0.04	2.7	<0.1	<0.05	2	<0.5	<0.2
1319892	Soil	34	22	0.40	106	0.011	2	1.30	0.007	0.06	0.1	0.01	3.1	0.1	<0.05	4	<0.5	<0.2
1319887	Soil	34	18	0.35	114	0.006	1	0.91	0.005	0.05	0.1	<0.01	1.9	<0.1	<0.05	3	<0.5	<0.2
1319891	Soil	28	16	0.33	99	0.006	1	1.08	0.003	0.06	0.2	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
1319895	Soil	33	28	0.39	61	0.004	<1	0.84	0.003	0.04	<0.1	0.02	2.5	<0.1	<0.05	2	<0.5	<0.2
1319897	Soil	36	43	0.53	69	0.003	<1	1.04	0.005	0.07	<0.1	0.05	3.4	<0.1	<0.05	3	<0.5	<0.2
1319889	Soil	26	60	0.55	152	0.005	<1	1.16	0.005	0.07	0.1	0.03	9.5	<0.1	<0.05	3	<0.5	<0.2
1319893	Soil	30	25	0.40	138	0.011	<1	0.85	0.005	0.04	0.1	0.02	2.6	<0.1	<0.05	3	<0.5	<0.2
1319894	Soil	33	31	0.38	64	0.005	<1	0.75	0.005	0.05	<0.1	0.03	2.7	<0.1	<0.05	2	<0.5	<0.2
1319883	Soil	57	17	0.49	31	0.003	<1	1.16	0.004	0.06	<0.1	<0.01	1.7	<0.1	<0.05	4	<0.5	<0.2
1319886	Soil	30	26	0.34	99	0.007	<1	0.88	0.004	0.05	0.1	0.02	2.2	<0.1	<0.05	3	<0.5	<0.2
1319885	Soil	32	18	0.35	165	0.011	2	1.02	0.004	0.05	0.1	0.02	2.8	<0.1	<0.05	3	<0.5	<0.2

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1319884	Soil	1.2	25.3	19.3	49	<0.1	18.6	7.0	146	2.71	58.9	1.3	6.9	12.8	11	<0.1	2.6	0.3	21	0.02	0.026
1319882	Soil	1.3	19.5	14.5	52	0.1	22.0	8.6	363	3.32	69.9	1.2	4.7	15.2	11	<0.1	3.7	0.3	16	0.04	0.048
1319881	Soil	1.1	25.0	11.9	40	0.1	23.2	5.9	111	1.96	12.3	0.8	11.1	1.4	11	<0.1	1.6	0.2	29	0.09	0.030
1319878	Soil	1.1	36.1	7.0	39	0.1	20.9	4.1	89	1.38	10.7	0.5	1.0	0.9	10	0.2	0.9	0.1	24	0.08	0.034
1319879	Soil	0.9	18.2	11.4	51	0.1	23.3	9.9	211	2.37	10.9	1.0	14.0	5.4	13	0.1	1.5	0.2	23	0.13	0.050
1319880	Soil	1.0	28.7	12.2	65	<0.1	27.6	11.5	231	2.44	9.4	0.9	2.8	6.4	13	0.2	1.7	0.2	24	0.11	0.057
1319876	Soil	0.7	47.3	13.0	73	<0.1	91.7	21.8	418	3.60	10.8	1.8	12.4	11.6	12	<0.1	1.3	0.2	32	0.10	0.049
1319877	Soil	1.3	35.5	8.6	79	<0.1	35.8	9.2	243	2.22	12.3	0.7	0.8	3.9	19	0.2	1.4	0.1	32	0.16	0.066
1319875	Soil	0.6	52.8	13.2	76	<0.1	114.0	24.0	465	3.92	10.6	1.7	2.4	11.9	12	<0.1	1.1	0.2	38	0.12	0.053
1319347	Soil	0.9	21.7	8.8	56	<0.1	22.8	8.3	214	2.59	11.0	0.7	6.7	4.5	9	<0.1	1.6	0.1	27	0.08	0.038
1319350	Soil	0.7	17.0	7.5	41	<0.1	15.4	5.7	132	1.66	9.5	0.7	1.8	3.1	10	<0.1	0.8	<0.1	23	0.09	0.039
1319349	Soil	0.6	19.6	8.5	39	<0.1	17.6	7.4	154	1.64	10.3	1.0	83.8	3.6	11	<0.1	0.7	0.1	25	0.11	0.041
1319344	Soil	0.6	21.4	9.8	42	<0.1	21.6	7.4	192	2.01	12.0	0.9	7.1	3.2	9	<0.1	1.4	0.2	24	0.08	0.046
1319345	Soil	0.9	24.3	10.0	52	<0.1	24.3	7.4	226	2.11	12.6	0.8	5.6	3.6	11	0.1	1.7	0.1	27	0.09	0.044
1319346	Soil	0.9	22.5	9.1	56	<0.1	22.4	7.8	219	2.01	11.1	0.7	4.3	3.5	10	0.2	1.5	0.1	26	0.09	0.043
1319342	Soil	0.7	32.8	13.2	57	<0.1	38.8	13.1	302	2.72	15.9	1.3	4.5	9.8	10	<0.1	6.6	0.2	22	0.06	0.033
1319343	Soil	0.8	19.6	9.2	45	<0.1	21.6	8.6	215	2.11	13.7	0.8	1.7	4.8	7	0.1	1.9	0.1	20	0.07	0.043
1319348	Soil	0.7	19.5	9.1	36	<0.1	15.5	5.3	119	1.71	9.7	0.9	10.2	2.7	11	<0.1	0.8	0.1	27	0.10	0.042
1319341	Soil	0.7	33.9	14.2	62	<0.1	35.5	14.3	284	3.05	22.5	1.7	3.2	16.1	10	<0.1	5.2	0.3	14	0.03	0.024
1319328	Soil	1.0	43.0	11.2	65	<0.1	98.9	19.2	542	3.63	58.9	1.1	8.9	4.8	15	<0.1	5.6	<0.1	55	0.18	0.028



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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.1	0.05	1	0.5	0.2	
1319884	Soil	38	16	0.31	65	0.005	<1	1.00	0.004	0.06	<0.1	<0.01	1.9	0.1	<0.05	3	<0.5	<0.2
1319882	Soil	48	20	0.67	116	0.003	<1	1.35	0.003	0.07	<0.1	<0.01	1.7	0.1	<0.05	4	<0.5	<0.2
1319881	Soil	22	26	0.26	397	0.012	<1	0.72	0.003	0.03	0.2	0.04	1.3	<0.1	<0.05	3	<0.5	<0.2
1319878	Soil	9	18	0.19	94	0.012	<1	0.49	0.003	0.03	0.1	0.02	1.1	<0.1	<0.05	2	<0.5	<0.2
1319879	Soil	20	24	0.36	183	0.009	<1	0.82	0.004	0.03	0.2	0.03	2.1	<0.1	<0.05	3	<0.5	<0.2
1319880	Soil	20	24	0.38	81	0.019	<1	0.80	0.003	0.04	0.3	0.02	2.2	<0.1	<0.05	3	<0.5	<0.2
1319876	Soil	32	124	1.23	51	0.007	<1	1.65	0.003	0.03	<0.1	<0.01	4.1	<0.1	<0.05	4	<0.5	<0.2
1319877	Soil	11	25	0.38	265	0.010	1	0.84	0.004	0.04	0.1	0.04	2.7	<0.1	<0.05	2	<0.5	<0.2
1319875	Soil	32	169	1.64	53	0.008	<1	1.97	0.003	0.03	<0.1	<0.01	5.0	<0.1	<0.05	5	<0.5	<0.2
1319347	Soil	14	21	0.31	183	0.017	<1	0.76	0.004	0.03	0.3	0.04	2.4	<0.1	<0.05	2	<0.5	<0.2
1319350	Soil	13	15	0.25	151	0.015	<1	0.70	0.004	0.03	0.3	0.03	2.0	<0.1	<0.05	2	<0.5	<0.2
1319349	Soil	14	17	0.27	287	0.014	<1	0.79	0.004	0.03	0.2	0.04	2.5	<0.1	<0.05	2	<0.5	<0.2
1319344	Soil	18	22	0.32	192	0.010	<1	0.83	0.003	0.03	0.2	0.04	2.5	<0.1	<0.05	3	<0.5	<0.2
1319345	Soil	18	23	0.33	226	0.013	<1	0.81	0.004	0.04	0.3	0.04	2.6	<0.1	<0.05	3	<0.5	<0.2
1319346	Soil	15	20	0.31	129	0.014	<1	0.80	0.003	0.03	0.2	0.02	2.2	<0.1	<0.05	2	<0.5	<0.2
1319342	Soil	30	38	0.55	111	0.008	<1	1.08	0.004	0.05	0.1	0.02	4.0	<0.1	<0.05	3	<0.5	<0.2
1319343	Soil	18	21	0.32	68	0.011	<1	0.75	0.002	0.03	0.2	0.01	2.1	<0.1	<0.05	2	0.5	<0.2
1319348	Soil	14	18	0.26	295	0.010	<1	0.89	0.003	0.03	0.3	0.04	2.6	<0.1	<0.05	3	<0.5	<0.2
1319341	Soil	41	25	0.51	58	0.003	<1	1.02	0.004	0.06	<0.1	0.01	2.5	<0.1	<0.05	3	<0.5	<0.2
1319328	Soil	15	134	0.97	305	0.017	<1	1.42	0.006	0.04	0.1	0.04	10.4	0.1	<0.05	5	<0.5	<0.2



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Project: CHA
 Report Date: August 01, 2012

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QUALITY CONTROL REPORT

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
1319934	Soil	0.5	27.4	8.6	48	0.1	21.4	7.3	200	1.86	12.7	0.5	3.2	4.5	12	<0.1	1.5	0.1	23	0.14	0.056
REP 1319934	QC	0.6	28.2	8.7	48	0.1	21.2	7.5	201	1.85	12.4	0.4	2.5	4.5	11	0.1	1.5	<0.1	24	0.15	0.055
1318950	Soil	0.6	47.8	10.9	66	<0.1	34.1	14.1	359	2.97	13.0	1.3	1.5	13.0	10	<0.1	0.4	0.2	28	0.09	0.030
REP 1318950	QC	0.6	45.9	10.4	69	<0.1	34.1	14.0	377	3.06	13.2	1.3	6.1	13.6	9	<0.1	0.4	0.2	29	0.10	0.032
1319924	Soil	0.7	15.3	8.1	41	<0.1	13.4	4.9	95	1.75	7.9	0.8	1.8	2.6	7	<0.1	1.3	0.1	23	0.07	0.047
REP 1319924	QC	0.7	15.8	8.2	41	<0.1	13.9	4.9	101	1.76	7.7	0.8	52.6	2.7	7	<0.1	1.3	0.2	24	0.08	0.047
1318914	Soil	1.1	27.5	16.7	60	<0.1	27.3	9.7	135	2.92	12.7	1.4	2.5	14.1	13	<0.1	2.2	0.3	17	0.02	0.028
REP 1318914	QC	1.1	27.7	16.6	60	<0.1	26.8	9.9	133	2.86	12.4	1.4	2.4	14.2	12	<0.1	2.2	0.3	17	0.02	0.028
1318891	Soil	1.4	48.1	38.7	113	<0.1	68.4	18.8	398	4.74	23.6	2.3	3.0	14.1	7	<0.1	1.9	0.3	32	0.03	0.034
REP 1318891	QC	1.7	48.9	40.9	108	<0.1	69.2	18.9	390	4.61	23.3	2.3	3.2	14.8	7	0.1	2.1	0.3	29	0.04	0.034
1319358	Soil	0.7	21.7	9.9	47	<0.1	19.1	8.7	319	2.23	11.4	1.4	1.8	6.2	10	0.1	0.8	0.1	37	0.07	0.018
REP 1319358	QC	0.8	23.0	9.3	49	<0.1	21.0	9.1	318	2.34	11.8	1.3	4.4	6.1	11	<0.1	0.8	0.1	37	0.08	0.020
1324726	Soil	1.2	44.4	26.0	86	1.4	23.7	10.1	202	4.82	26.1	2.8	1.9	24.6	33	<0.1	1.4	0.4	13	0.03	0.045
REP 1324726	QC	1.3	44.7	25.0	88	1.5	23.9	10.2	208	5.01	26.0	2.9	1.8	24.6	33	0.1	1.4	0.5	14	0.03	0.043
1324685	Soil	0.8	31.9	15.9	59	<0.1	26.6	13.1	327	2.91	18.3	1.0	5.2	8.9	10	0.1	3.1	0.2	21	0.08	0.039
REP 1324685	QC	0.7	30.6	16.2	55	<0.1	26.3	12.8	304	2.86	17.2	1.0	3.4	9.0	10	0.1	3.2	0.2	21	0.08	0.037
1319368	Soil	1.1	16.1	8.0	46	<0.1	16.8	6.2	175	2.77	11.4	0.6	2.7	5.0	6	0.1	0.9	0.1	31	0.05	0.036
REP 1319368	QC	1.2	15.9	7.8	45	<0.1	16.5	5.9	175	2.73	11.1	0.6	2.9	4.9	6	<0.1	0.9	0.2	31	0.06	0.036
1277041	Soil	0.7	13.4	5.5	43	<0.1	14.8	6.4	129	1.69	8.2	0.5	1.0	3.2	11	<0.1	0.5	<0.1	25	0.16	0.046
REP 1277041	QC	0.7	13.2	5.6	43	<0.1	15.0	6.3	131	1.68	8.1	0.5	1.3	3.2	11	<0.1	0.5	<0.1	26	0.15	0.046
1277049	Soil	0.8	27.0	9.3	53	<0.1	23.0	8.4	187	2.35	11.8	1.1	29.5	7.4	8	<0.1	1.2	0.2	20	0.06	0.031
REP 1277049	QC	0.8	27.2	9.5	53	<0.1	23.8	8.7	190	2.36	11.6	1.1	2.9	7.6	8	<0.1	1.2	0.2	21	0.07	0.031
1318959	Soil	1.0	21.4	11.0	57	0.2	20.8	7.1	131	2.34	7.9	1.2	180.2	6.5	13	0.1	0.9	0.2	27	0.15	0.065
REP 1318959	QC	1.0	21.1	10.7	56	0.2	20.5	7.0	130	2.32	7.8	1.2	49.3	6.6	14	0.1	0.9	0.2	27	0.15	0.064
1319926	Soil	1.2	13.2	10.7	51	<0.1	14.0	10.3	480	2.41	10.8	0.7	2.9	1.4	9	0.2	0.5	0.2	41	0.09	0.092
REP 1319926	QC	1.1	13.0	10.5	51	<0.1	13.9	10.5	468	2.38	10.8	0.7	1.3	1.1	10	0.2	0.5	0.1	42	0.09	0.089
1319965	Soil	0.7	22.7	8.9	47	<0.1	15.4	6.2	183	2.06	7.3	1.6	6.0	6.7	11	0.1	1.0	<0.1	28	0.06	0.025
REP 1319965	QC	0.7	23.2	9.1	50	<0.1	16.2	6.2	183	2.10	7.8	1.7	5.2	6.9	11	<0.1	1.0	<0.1	30	0.07	0.025



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QUALITY CONTROL REPORT

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
1319934	Soil	13	17	0.25	295	0.015	<1	0.57	0.003	0.02	0.2	0.04	1.9	<0.1	<0.05	2	<0.5	<0.2
REP 1319934	QC	14	17	0.25	315	0.014	<1	0.56	0.003	0.03	0.2	0.04	2.1	<0.1	<0.05	2	<0.5	<0.2
1318950	Soil	41	25	0.55	213	0.015	<1	1.48	0.004	0.05	<0.1	0.04	2.5	<0.1	<0.05	4	<0.5	<0.2
REP 1318950	QC	41	25	0.57	211	0.015	<1	1.52	0.004	0.05	0.1	0.04	2.8	<0.1	<0.05	5	<0.5	<0.2
1319924	Soil	14	15	0.27	131	0.011	<1	0.81	0.002	0.02	0.2	0.05	1.5	<0.1	<0.05	3	<0.5	<0.2
REP 1319924	QC	15	16	0.27	132	0.012	<1	0.85	0.003	0.03	0.2	0.05	1.7	<0.1	<0.05	3	<0.5	<0.2
1318914	Soil	39	18	0.30	82	0.004	<1	0.98	0.005	0.03	<0.1	0.01	1.4	<0.1	<0.05	3	<0.5	<0.2
REP 1318914	QC	38	17	0.31	82	0.004	<1	1.01	0.005	0.04	<0.1	0.01	1.4	<0.1	<0.05	3	<0.5	<0.2
1318891	Soil	35	58	0.65	83	0.004	2	1.35	0.003	0.05	<0.1	<0.01	4.0	0.1	<0.05	4	<0.5	<0.2
REP 1318891	QC	36	58	0.64	86	0.004	2	1.33	0.003	0.05	<0.1	0.02	3.9	0.1	<0.05	5	<0.5	<0.2
1319358	Soil	18	24	0.36	185	0.036	<1	1.07	0.006	0.04	0.2	0.03	3.8	<0.1	<0.05	4	<0.5	<0.2
REP 1319358	QC	18	22	0.37	188	0.037	<1	1.08	0.006	0.04	0.2	0.04	4.0	<0.1	<0.05	3	0.5	<0.2
1324726	Soil	55	19	0.58	49	0.001	<1	1.53	0.006	0.06	0.1	0.02	1.4	0.2	<0.05	4	<0.5	<0.2
REP 1324726	QC	53	19	0.60	49	0.002	2	1.49	0.005	0.06	<0.1	0.02	1.5	0.2	<0.05	4	<0.5	<0.2
1324685	Soil	28	20	0.30	82	0.008	<1	0.83	0.003	0.06	0.1	0.04	1.9	<0.1	<0.05	3	<0.5	<0.2
REP 1324685	QC	27	18	0.30	82	0.007	<1	0.91	0.006	0.06	<0.1	0.03	1.8	<0.1	<0.05	3	<0.5	<0.2
1319368	Soil	15	20	0.33	82	0.018	1	1.05	0.003	0.04	0.2	0.02	1.7	<0.1	<0.05	3	<0.5	<0.2
REP 1319368	QC	15	20	0.32	82	0.018	1	1.01	0.003	0.04	0.2	0.02	1.6	<0.1	<0.05	3	<0.5	<0.2
1277041	Soil	12	16	0.29	171	0.014	<1	0.79	0.003	0.03	0.2	0.02	1.5	<0.1	<0.05	2	<0.5	<0.2
REP 1277041	QC	12	16	0.30	168	0.014	1	0.80	0.004	0.04	0.2	0.02	1.4	<0.1	<0.05	2	<0.5	<0.2
1277049	Soil	27	16	0.39	173	0.011	1	0.86	0.003	0.03	0.2	0.04	2.0	<0.1	<0.05	3	<0.5	<0.2
REP 1277049	QC	27	17	0.39	172	0.010	<1	0.87	0.002	0.04	0.2	0.05	2.0	<0.1	<0.05	3	<0.5	<0.2
1318959	Soil	24	18	0.34	138	0.015	<1	0.88	0.003	0.03	0.3	0.05	1.8	<0.1	<0.05	3	<0.5	<0.2
REP 1318959	QC	24	18	0.35	138	0.015	<1	0.89	0.004	0.03	0.3	0.09	1.8	<0.1	<0.05	3	<0.5	<0.2
1319926	Soil	12	22	0.34	124	0.019	<1	1.16	0.004	0.03	0.2	0.02	1.5	<0.1	<0.05	4	<0.5	<0.2
REP 1319926	QC	13	22	0.34	128	0.020	1	1.17	0.004	0.04	0.2	0.02	1.8	<0.1	<0.05	4	<0.5	<0.2
1319965	Soil	19	19	0.33	168	0.024	<1	0.98	0.003	0.03	0.2	0.04	2.4	<0.1	<0.05	3	<0.5	<0.2
REP 1319965	QC	20	20	0.35	171	0.024	<1	0.99	0.004	0.04	0.2	0.02	2.5	<0.1	<0.05	3	<0.5	<0.2

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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QUALITY CONTROL REPORT

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		1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 U ppm 0.1	1DX15 Au ppb 0.5	1DX15 Th ppm 0.1	1DX15 Sr ppm 1	1DX15 Cd ppm 0.1	1DX15 Sb ppm 0.1	1DX15 Bi ppm 0.1	1DX15 V ppm 2	1DX15 Ca % 0.01	1DX15 P % 0.001
1318271	Soil	1.0	23.1	10.1	52	<0.1	18.9	7.0	145	1.98	12.3	0.9	90.6	4.0	10	<0.1	0.8	0.1	33	0.12	0.061
REP 1318271	QC	1.0	21.9	9.9	50	<0.1	18.7	6.6	140	1.89	12.1	1.0	6.0	4.2	9	0.1	0.8	0.1	30	0.10	0.056
1318270	Soil	0.8	23.8	9.3	49	<0.1	17.2	7.4	201	2.00	7.3	1.1	28.6	6.1	6	<0.1	0.6	0.1	27	0.07	0.039
REP 1318270	QC	0.7	23.2	9.2	47	<0.1	17.2	7.2	196	1.94	7.2	1.1	18.8	6.2	6	0.1	0.7	0.1	26	0.06	0.038
1319895	Soil	0.7	29.5	14.1	60	<0.1	29.9	11.4	218	2.92	18.8	1.3	<0.5	11.9	7	<0.1	3.0	0.2	18	0.05	0.031
REP 1319895	QC	0.8	29.5	13.5	60	<0.1	30.0	11.4	217	2.87	18.7	1.2	8.9	11.5	8	<0.1	2.9	0.2	18	0.05	0.030
1319350	Soil	0.7	17.0	7.5	41	<0.1	15.4	5.7	132	1.66	9.5	0.7	1.8	3.1	10	<0.1	0.8	<0.1	23	0.09	0.039
REP 1319350	QC	0.8	16.8	7.5	40	<0.1	15.3	5.6	130	1.64	9.7	0.7	50.1	3.1	10	<0.1	0.9	<0.1	24	0.09	0.039
Reference Materials																					
STD DS9	Standard	14.5	117.1	125.5	314	2.0	42.6	7.9	607	2.38	25.0	2.4	117.9	6.9	66	2.5	5.0	5.1	49	0.76	0.083
STD DS9	Standard	14.4	110.0	125.3	310	1.8	43.8	7.8	603	2.44	24.5	2.7	114.3	6.8	72	2.3	5.5	6.6	43	0.75	0.084
STD DS9	Standard	14.6	109.8	128.2	312	1.8	40.9	7.3	587	2.25	25.7	2.9	117.7	7.0	80	2.3	6.3	7.0	40	0.72	0.082
STD DS9	Standard	14.5	97.9	127.9	304	1.8	42.0	8.1	609	2.42	22.7	2.4	122.7	6.0	76	2.0	5.1	5.7	44	0.78	0.078
STD DS9	Standard	12.5	108.6	125.2	305	1.8	39.9	7.7	575	2.31	25.1	2.9	117.3	7.0	78	2.2	6.0	7.1	41	0.71	0.084
STD DS9	Standard	15.2	120.4	128.9	344	2.1	45.0	8.6	658	2.44	27.0	3.0	125.9	6.7	71	2.7	5.4	5.9	57	0.75	0.083
STD DS9	Standard	13.0	107.6	119.5	308	1.9	40.5	7.4	578	2.33	25.8	2.9	118.2	6.5	74	2.5	6.1	6.2	40	0.72	0.081
STD DS9	Standard	13.0	106.2	126.1	309	1.8	41.9	8.2	582	2.39	24.2	2.6	116.4	6.3	64	2.2	5.3	6.5	43	0.68	0.082
STD DS9	Standard	14.4	115.1	128.3	318	1.8	41.6	7.9	624	2.40	26.6	2.9	124.6	6.9	80	2.2	6.0	5.8	43	0.72	0.082
STD DS9 Expected		12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: CHA
 Report Date: August 01, 2012

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QUALITY CONTROL REPORT

DAW12000158.1

		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
1318271	Soil	15	18	0.27	139	0.014	<1	0.79	0.004	0.03	0.4	0.05	1.8	<0.1	<0.05	3	<0.5	<0.2
REP 1318271	QC	15	17	0.26	138	0.015	1	0.75	0.003	0.03	0.3	0.04	1.7	<0.1	<0.05	2	<0.5	<0.2
1318270	Soil	22	17	0.31	143	0.012	<1	0.82	0.003	0.02	0.4	0.04	1.9	<0.1	<0.05	3	<0.5	<0.2
REP 1318270	QC	22	17	0.30	141	0.012	<1	0.89	0.003	0.03	0.4	0.02	2.0	<0.1	<0.05	3	<0.5	<0.2
1319895	Soil	33	28	0.39	61	0.004	<1	0.84	0.003	0.04	<0.1	0.02	2.5	<0.1	<0.05	2	<0.5	<0.2
REP 1319895	QC	33	28	0.38	61	0.006	<1	0.80	0.003	0.04	<0.1	0.02	2.2	<0.1	<0.05	2	<0.5	<0.2
1319350	Soil	13	15	0.25	151	0.015	<1	0.70	0.004	0.03	0.3	0.03	2.0	<0.1	<0.05	2	<0.5	<0.2
REP 1319350	QC	13	15	0.25	149	0.013	<1	0.69	0.003	0.03	0.2	0.02	2.2	<0.1	<0.05	2	<0.5	<0.2
Reference Materials																		
STD DS9	Standard	14	131	0.63	317	0.115	3	0.96	0.101	0.42	3.2	0.21	2.8	5.5	0.12	5	5.2	5.6
STD DS9	Standard	14	138	0.66	308	0.114	2	0.96	0.091	0.36	3.3	0.20	2.4	5.7	0.19	5	5.5	5.1
STD DS9	Standard	14	123	0.62	314	0.112	3	0.94	0.084	0.35	3.2	0.21	2.6	5.3	0.10	5	4.8	5.3
STD DS9	Standard	14	142	0.66	316	0.111	3	0.98	0.104	0.41	3.1	0.22	2.7	5.7	0.18	5	5.0	5.3
STD DS9	Standard	13	118	0.62	304	0.115	3	0.94	0.101	0.37	3.0	0.20	2.8	5.7	0.08	5	4.6	4.8
STD DS9	Standard	13	139	0.67	311	0.124	3	1.03	0.089	0.41	3.0	0.22	2.7	5.7	0.22	5	6.2	5.7
STD DS9	Standard	14	118	0.61	309	0.115	2	0.92	0.089	0.36	3.0	0.20	2.8	5.6	0.17	5	5.2	5.1
STD DS9	Standard	12	122	0.62	306	0.108	2	0.91	0.079	0.35	3.4	0.21	2.3	5.6	0.12	5	5.3	5.0
STD DS9	Standard	14	122	0.64	311	0.123	2	0.99	0.110	0.38	3.0	0.19	2.9	5.7	0.12	5	4.9	5.1
STD DS9 Expected		13.3	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	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	0.23	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Andy Randell
Receiving Lab: Canada-Dawson City
Received: August 21, 2012
Report Date: August 31, 2012
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CERTIFICATE OF ANALYSIS

DAW12000260.1

CLIENT JOB INFORMATION

Project: CHA
Shipment ID:
P.O. Number
Number of Samples: 280

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
RTRN-RJT Return

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: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Dave Schmidt
Isaac Fage

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	280	Dry at 60C			DAW
SS80	280	Dry at 60C sieve 100g to -80 mesh			DAW
RJSV	280	Saving all or part of Soil Reject			DAW
1DX2	280	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: CHA
 Report Date: August 31, 2012

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Part: 1 of 2

CERTIFICATE OF ANALYSIS

DAW12000260.1

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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1365712	Soil		0.3	4.5	18.1	58	<0.1	9.3	5.5	413	6.17	10.2	0.3	3.0	1.1	91	0.2	0.3	0.3	141	1.14	0.306
1365705	Soil		1.5	17.0	14.8	52	<0.1	17.4	8.8	439	2.86	11.7	0.7	10.7	2.8	17	0.3	0.8	0.5	57	0.13	0.064
1365729	Soil		1.8	34.8	114.0	243	0.6	29.7	16.8	594	2.83	99.3	1.9	5.4	2.6	290	1.4	5.1	0.6	48	1.25	0.081
1365706	Soil		1.7	22.6	29.2	52	0.4	10.0	7.7	865	2.29	6.8	0.5	6.1	0.4	13	0.5	0.6	0.5	52	0.09	0.094
1365730	Soil		2.1	36.2	25.8	71	0.2	28.5	16.9	481	3.38	92.5	0.7	3.7	0.4	249	0.8	2.0	0.8	54	0.39	0.126
1365726	Soil		3.5	50.5	38.8	71	0.3	40.6	24.8	576	4.31	174.1	1.1	3.8	2.6	113	0.3	2.6	0.6	96	0.30	0.074
1365734	Soil		0.7	15.3	28.2	74	0.1	29.4	10.7	375	2.10	18.8	0.6	13.9	3.2	328	0.3	0.6	0.4	55	0.96	0.076
1365709	Soil		0.8	13.0	14.4	33	0.3	7.2	3.6	128	1.72	6.2	0.4	1.6	0.9	14	0.3	0.2	1.3	39	0.10	0.033
1365728	Soil		4.6	39.2	88.0	153	1.0	17.7	12.1	433	3.60	378.9	1.7	22.5	2.0	202	1.2	6.5	3.6	48	0.39	0.101
1365732	Soil		1.1	21.9	22.4	60	0.1	24.6	9.8	284	2.08	51.6	1.3	6.2	1.4	129	0.4	1.0	0.4	43	0.98	0.061
1365707	Soil		2.9	27.4	2370	101	14.1	11.0	8.0	319	2.71	26.1	1.4	74.1	0.4	122	0.7	17.8	8.3	48	0.41	0.146
1365722	Soil		6.6	112.3	153.4	279	0.9	52.3	19.1	659	5.78	354.0	2.0	5.2	1.8	128	2.0	7.5	1.8	45	0.26	0.130
1365723	Soil		2.4	22.1	29.5	70	0.2	27.8	9.3	266	3.55	90.8	0.6	5.8	1.2	56	0.2	1.8	0.4	78	0.19	0.053
1365715	Soil		0.7	21.9	40.4	80	0.3	9.0	14.5	547	4.81	14.5	0.3	3.7	1.1	126	0.2	0.4	0.4	121	1.01	0.254
1365708	Soil		1.2	16.9	14.1	56	<0.1	18.9	8.7	343	3.20	12.3	0.5	8.1	1.5	24	0.2	0.7	1.1	67	0.15	0.053
1365717	Soil		30.3	23.4	20.6	60	0.3	11.1	44.3	836	3.87	19.4	0.7	16.8	0.7	93	0.4	0.3	2.7	79	1.44	0.129
1365711	Soil		0.4	8.0	7.8	55	<0.1	15.8	6.6	563	6.88	8.0	0.3	2.3	2.0	76	<0.1	0.4	0.1	138	0.48	0.092
1365704	Soil		1.5	26.4	18.5	48	0.2	16.6	9.4	308	2.44	5.6	1.5	4.7	1.5	80	0.1	0.3	0.2	64	0.36	0.083
1365720	Soil		2.4	59.0	74.5	153	0.7	29.9	22.3	702	3.23	137.3	1.8	3.0	2.0	113	0.7	5.2	1.6	61	0.50	0.085
1365716	Soil		1.2	10.0	12.4	38	0.2	7.0	5.0	402	2.85	4.1	0.3	4.8	0.4	54	0.4	0.3	<0.1	80	0.37	0.080
1365702	Soil		1.4	25.7	16.3	45	0.2	14.3	7.4	276	2.86	7.1	0.9	9.6	1.9	117	0.3	0.3	0.3	73	0.31	0.096
1365727	Soil		3.7	78.2	64.0	144	0.5	29.6	21.0	785	4.30	158.0	1.7	4.7	2.2	138	0.9	5.5	1.0	75	0.81	0.090
1365733	Soil		0.4	10.3	22.9	51	0.1	9.5	11.7	401	1.87	19.8	1.5	7.9	2.0	225	0.3	0.2	0.2	38	1.46	0.081
1365703	Soil		0.9	18.4	17.0	48	0.1	16.0	10.4	269	3.22	5.3	0.8	53.9	3.5	84	0.2	0.3	0.4	101	0.34	0.095
1365714	Soil		0.5	5.9	21.4	52	0.3	6.7	5.9	273	3.56	6.3	0.3	2.0	0.6	89	0.2	0.3	0.1	88	0.57	0.096
1365721	Soil		1.6	13.0	13.1	38	<0.1	7.3	2.6	99	1.09	31.1	0.4	1.7	<0.1	15	0.5	1.5	0.2	27	0.10	0.056
1365718	Soil		1.7	30.9	37.5	86	0.4	13.4	16.5	820	2.56	28.8	1.0	18.1	1.0	98	0.3	0.8	1.5	63	0.79	0.105
1365710	Soil		0.5	11.3	12.7	40	<0.1	12.1	8.4	385	2.84	7.0	0.7	3.8	3.0	62	0.1	0.3	0.3	63	0.48	0.095
1366734	Soil		3.3	63.3	44.2	80	0.6	20.5	11.2	258	3.65	204.9	1.3	15.8	2.6	157	0.3	3.0	1.8	42	0.43	0.095
1366719	Soil		2.0	11.2	13.8	37	0.2	13.4	7.3	384	3.01	8.5	0.4	2.6	0.2	35	0.1	0.6	0.2	70	0.15	0.100

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: CHA
Report Date: August 31, 2012

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CERTIFICATE OF ANALYSIS

DAW12000260.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	
1365712	Soil	7	21	1.36	64	0.040	1	2.65	0.016	0.10	<0.1	0.02	7.7	0.2	<0.05	10	<0.5	<0.2
1365705	Soil	12	29	0.44	411	0.046	2	1.47	0.008	0.05	0.3	0.03	3.4	<0.1	<0.05	5	<0.5	<0.2
1365729	Soil	13	30	0.48	356	0.015	2	2.17	0.025	0.16	<0.1	0.06	3.7	0.3	<0.05	7	1.0	<0.2
1365706	Soil	8	19	0.14	234	0.036	1	1.07	0.009	0.05	0.1	0.08	1.5	0.2	<0.05	6	<0.5	<0.2
1365730	Soil	10	27	0.28	202	0.018	2	1.69	0.011	0.11	0.1	0.10	1.5	0.2	<0.05	5	0.6	0.4
1365726	Soil	10	37	0.67	250	0.054	<1	2.17	0.022	0.24	<0.1	0.05	5.5	0.5	0.08	8	0.9	0.2
1365734	Soil	10	45	0.60	318	0.016	<1	2.05	0.020	0.24	<0.1	<0.01	4.4	0.4	<0.05	6	<0.5	<0.2
1365709	Soil	7	13	0.27	74	0.041	1	0.92	0.013	0.03	0.1	0.01	2.3	0.1	<0.05	4	<0.5	<0.2
1365728	Soil	11	20	0.34	411	0.015	2	1.68	0.023	0.19	0.3	0.03	3.3	0.6	0.18	5	1.6	0.5
1365732	Soil	10	26	0.37	267	0.016	1	1.57	0.015	0.11	<0.1	0.02	2.7	0.2	<0.05	5	0.5	<0.2
1365707	Soil	16	13	0.43	340	0.013	1	1.81	0.022	0.12	0.2	0.12	3.1	0.6	0.15	5	1.0	<0.2
1365722	Soil	19	24	0.25	161	0.008	2	1.47	0.048	0.11	<0.1	0.05	2.8	0.3	0.21	4	1.9	0.2
1365723	Soil	9	28	0.33	153	0.045	<1	1.79	0.008	0.05	0.2	0.07	2.4	0.1	<0.05	6	<0.5	<0.2
1365715	Soil	7	19	1.08	95	0.044	<1	2.14	0.025	0.07	0.1	0.04	6.0	0.2	<0.05	8	<0.5	<0.2
1365708	Soil	9	28	0.51	155	0.051	1	2.02	0.009	0.04	0.2	0.04	3.3	0.1	<0.05	7	<0.5	<0.2
1365717	Soil	9	16	1.06	136	0.029	1	1.75	0.015	0.05	0.1	0.05	6.5	0.2	0.06	6	1.2	0.2
1365711	Soil	16	24	1.35	108	0.084	<1	2.47	0.017	0.22	0.2	<0.1	7.8	0.4	<0.05	10	<0.5	<0.2
1365704	Soil	12	28	0.64	229	0.058	1	1.88	0.027	0.05	0.2	0.03	2.9	0.1	<0.05	6	<0.5	<0.2
1365720	Soil	14	41	0.50	355	0.017	<1	2.33	0.012	0.14	<0.1	0.08	5.7	0.4	<0.05	7	1.6	<0.2
1365716	Soil	11	15	0.59	108	0.016	<1	1.79	0.014	0.04	0.2	0.07	4.0	0.2	<0.05	6	<0.5	<0.2
1365702	Soil	11	23	0.73	229	0.089	<1	1.72	0.035	0.10	0.2	0.05	4.0	0.1	<0.05	6	<0.5	<0.2
1365727	Soil	15	21	0.58	241	0.042	2	1.96	0.023	0.23	<0.1	0.03	6.5	0.5	<0.05	6	1.0	0.4
1365733	Soil	19	13	0.56	320	0.006	1	1.67	0.012	0.05	<0.1	0.05	4.4	<0.1	<0.05	5	0.7	<0.2
1365703	Soil	10	42	0.63	160	0.080	<1	1.39	0.022	0.11	0.2	0.01	2.6	0.1	<0.05	5	<0.5	<0.2
1365714	Soil	5	14	0.97	93	0.064	<1	2.16	0.026	0.04	<0.1	0.02	4.0	0.2	<0.05	8	<0.5	<0.2
1365721	Soil	5	10	0.07	59	0.012	<1	0.47	0.010	0.04	<0.1	0.04	0.6	0.1	<0.05	3	<0.5	<0.2
1365718	Soil	12	24	0.66	268	0.035	1	1.74	0.013	0.10	0.1	0.06	4.5	0.5	<0.05	6	0.5	<0.2
1365710	Soil	34	21	0.68	134	0.028	<1	1.71	0.016	0.04	0.2	0.04	5.4	<0.1	<0.05	6	<0.5	<0.2
1366734	Soil	18	22	0.27	418	0.009	2	1.50	0.016	0.13	<0.1	0.04	3.3	0.4	<0.05	5	1.3	0.4
1366719	Soil	7	21	0.36	124	0.041	<1	1.82	0.011	0.05	0.1	0.13	1.8	0.2	<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	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1365719	Soil		1.5	6.7	10.7	30	<0.1	3.8	2.3	169	1.77	3.8	0.3	2.8	0.3	32	<0.1	0.2	0.2	58	0.13	0.035
1365713	Soil		0.4	5.7	19.9	53	<0.1	8.7	5.4	407	4.06	7.0	0.3	<0.5	0.8	85	0.2	0.3	0.1	102	0.71	0.165
1366722	Soil		0.9	12.8	9.3	48	<0.1	16.8	7.1	495	2.82	7.3	0.5	5.9	2.4	28	<0.1	0.4	2.6	63	0.26	0.057
1366732	Soil		7.8	61.4	152.7	205	2.1	17.9	9.8	944	4.96	1164	1.5	37.9	1.8	33	2.6	18.0	5.2	35	0.11	0.140
1366718	Soil		1.6	16.1	16.2	46	0.2	14.9	6.7	353	2.62	20.0	1.3	25.7	1.1	14	0.3	0.8	0.5	44	0.11	0.129
1366714	Soil		1.5	42.8	15.5	47	0.1	19.6	12.1	273	2.88	4.8	1.4	3.9	3.8	146	0.1	0.4	0.2	91	0.77	0.105
1365546	Soil		0.9	47.8	13.9	49	0.1	23.6	10.3	146	2.86	6.4	1.4	6.6	3.1	43	<0.1	0.4	0.3	94	0.31	0.068
1366720	Soil		1.8	57.4	153.5	139	1.0	9.7	6.4	226	4.37	20.5	1.4	18.7	1.6	26	0.5	0.7	6.9	60	0.07	0.096
1366733	Soil		5.0	71.5	67.0	192	1.1	43.6	19.4	715	4.24	262.2	1.5	12.3	3.0	165	0.9	3.8	2.2	64	0.70	0.090
1366726	Soil		1.0	138.8	15.4	50	0.3	12.6	10.0	517	4.04	11.2	0.3	7.0	0.9	69	0.1	0.8	12.8	117	0.56	0.081
1365550	Soil		2.6	13.8	17.2	57	0.1	16.6	10.5	292	4.19	8.6	0.6	48.3	2.0	108	0.4	0.5	0.5	114	0.73	0.143
1365553	Soil		1.9	32.6	31.3	68	0.5	11.2	6.8	336	2.63	18.9	1.0	6.4	1.3	71	0.2	0.5	5.2	59	0.33	0.097
1366721	Soil		5.2	209.7	23.9	51	0.6	11.8	10.8	306	4.08	15.5	1.1	110.4	2.2	22	0.1	0.5	53.4	60	0.30	0.118
1365560	Soil		1.7	16.5	46.7	80	0.9	12.4	8.3	353	3.38	25.4	0.4	3.6	1.5	30	1.2	0.8	0.6	95	0.21	0.068
1365544	Soil		2.3	52.6	27.3	66	0.2	27.9	17.6	373	3.38	8.4	1.7	9.6	3.6	94	0.2	0.5	0.6	91	0.42	0.091
1365548	Soil		3.8	23.1	15.3	44	<0.1	20.9	8.9	236	3.08	20.5	0.5	9.5	3.7	13	0.1	0.9	0.6	61	0.11	0.021
1365568	Soil		0.6	40.6	22.9	15	0.9	2.8	1.1	19	0.70	66.8	1.5	9.8	<0.1	9	0.2	0.9	3.7	13	0.06	0.044
1365549	Soil		3.6	18.9	39.5	62	0.2	11.5	17.3	644	4.69	11.2	0.8	17.8	2.5	175	0.4	0.7	0.8	101	0.66	0.129
1366728	Soil		1.0	29.9	12.4	34	0.2	8.2	7.7	424	2.10	8.5	0.3	1.5	0.1	69	0.5	0.3	1.0	61	0.44	0.095
1366737	Soil		4.5	33.1	285.9	60	1.3	11.4	5.3	170	3.98	637.1	0.7	28.5	3.5	70	0.3	12.9	25.3	42	0.10	0.075
1366729	Soil		2.4	39.3	685.3	545	3.5	20.4	13.1	513	3.06	223.9	1.0	10.2	2.5	127	2.1	7.3	1.7	69	0.62	0.120
1366716	Soil		1.6	18.7	18.5	39	<0.1	17.7	6.9	184	2.60	13.7	0.8	6.8	2.9	16	0.1	0.7	0.5	63	0.11	0.045
1366741	Soil		5.0	34.6	102.7	79	1.6	12.4	3.8	81	3.67	1016	1.1	36.6	2.5	52	0.3	7.0	12.4	43	0.17	0.103
1366731	Soil		4.8	24.3	127.5	195	0.9	21.6	18.3	988	2.89	270.6	1.3	9.8	1.7	57	0.7	4.8	2.0	52	0.54	0.106
1366727	Soil		0.6	34.0	12.7	27	0.2	7.4	5.1	179	1.74	6.9	0.5	6.6	0.3	196	0.2	0.2	2.2	52	0.83	0.106
1366715	Soil		2.1	14.9	15.4	32	0.1	14.4	5.2	190	2.76	13.1	0.7	13.7	3.2	17	0.1	0.7	0.6	61	0.09	0.047
1366723	Soil		0.8	6.6	15.3	50	<0.1	10.9	12.7	642	4.62	8.7	0.3	2.5	1.5	37	<0.1	0.3	0.6	140	0.89	0.241
1365545	Soil		1.8	36.2	23.2	51	<0.1	21.1	12.1	245	3.01	6.7	1.2	7.6	3.6	59	0.2	0.4	0.2	101	0.29	0.070
1366730	Soil		3.1	29.4	272.1	271	1.0	19.2	13.9	584	4.02	287.5	0.7	6.6	2.4	87	1.0	5.5	1.9	84	0.21	0.063
1365543	Soil		2.6	37.6	24.4	55	0.1	38.9	17.7	275	3.55	6.8	1.3	16.5	4.7	86	0.2	0.3	0.5	101	0.47	0.114

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	
1365719	Soil	6	12	0.19	47	0.030	<1	0.98	0.007	0.03	<0.1	0.03	2.1	0.1	<0.05	7	0.5	<0.2
1365713	Soil	6	17	1.04	71	0.037	<1	2.07	0.018	0.06	0.1	0.03	5.7	<0.1	<0.05	8	<0.5	<0.2
1366722	Soil	16	23	0.72	163	0.030	2	1.69	0.012	0.04	0.3	0.02	4.6	0.2	<0.05	5	<0.5	<0.2
1366732	Soil	8	20	0.19	387	0.009	4	1.15	0.024	0.32	0.2	0.10	1.3	1.1	0.67	6	2.3	<0.2
1366718	Soil	9	20	0.33	179	0.022	2	1.36	0.007	0.04	0.2	0.13	1.5	0.2	<0.05	4	<0.5	<0.2
1366714	Soil	11	40	0.77	189	0.083	<1	2.22	0.072	0.14	0.2	<0.01	2.6	0.2	<0.05	6	<0.5	<0.2
1365546	Soil	13	41	0.69	135	0.092	1	1.72	0.017	0.08	0.2	0.05	2.8	0.1	0.06	5	0.5	<0.2
1366720	Soil	22	17	0.27	64	0.019	1	1.60	0.021	0.05	0.1	0.07	2.1	0.3	0.16	6	0.8	0.4
1366733	Soil	12	42	0.41	459	0.019	1	2.48	0.025	0.23	0.1	0.06	4.2	0.6	0.10	7	0.9	0.2
1366726	Soil	13	22	0.86	127	0.054	1	2.12	0.017	0.08	0.1	0.05	4.6	0.3	0.06	8	<0.5	<0.2
1365550	Soil	11	21	0.88	396	0.107	<1	2.23	0.038	0.28	<0.1	0.03	4.4	0.4	0.07	7	0.7	<0.2
1365553	Soil	22	21	0.56	146	0.018	1	1.44	0.010	0.03	0.1	0.05	3.2	0.2	0.06	5	0.6	0.2
1366721	Soil	32	20	0.50	77	0.018	<1	1.39	0.008	0.04	0.2	0.05	4.1	0.2	0.06	5	0.7	1.0
1365560	Soil	8	22	0.49	306	0.138	1	1.71	0.018	0.13	0.1	0.03	3.2	0.2	0.06	8	<0.5	<0.2
1365544	Soil	15	37	0.83	187	0.086	2	2.14	0.031	0.08	0.3	0.05	3.7	0.2	0.07	6	<0.5	<0.2
1365548	Soil	10	31	0.41	500	0.055	1	1.39	0.009	0.07	0.3	0.02	2.9	0.1	0.09	6	0.9	<0.2
1365568	Soil	3	7	0.02	51	0.015	<1	0.55	0.016	0.02	<0.1	0.04	0.5	<0.1	0.06	2	<0.5	<0.2
1365549	Soil	13	18	0.60	344	0.026	<1	2.08	0.036	0.07	<0.1	0.03	4.3	0.2	0.05	6	<0.5	0.2
1366728	Soil	5	14	0.31	86	0.032	<1	1.17	0.020	0.06	<0.1	0.10	1.4	0.2	0.13	5	0.6	<0.2
1366737	Soil	6	20	0.22	217	0.034	2	0.85	0.013	0.21	0.6	0.03	1.5	0.8	0.61	6	1.5	<0.2
1366729	Soil	10	29	0.47	873	0.035	1	1.80	0.024	0.13	0.2	0.05	3.7	0.5	0.13	6	0.7	<0.2
1366716	Soil	16	29	0.31	374	0.023	2	1.57	0.007	0.05	0.2	0.02	2.9	0.2	0.06	6	0.7	<0.2
1366741	Soil	9	22	0.27	207	0.022	2	1.10	0.007	0.08	0.3	0.05	2.3	0.7	0.13	8	1.5	<0.2
1366731	Soil	10	31	0.37	282	0.023	2	1.33	0.010	0.08	0.2	0.07	3.1	0.4	0.13	5	0.6	<0.2
1366727	Soil	7	16	0.40	126	0.023	<1	1.67	0.037	0.06	<0.1	0.05	3.0	0.1	0.07	5	0.5	<0.2
1366715	Soil	13	28	0.26	312	0.023	<1	1.19	0.011	0.07	0.2	0.03	2.3	0.1	0.10	4	<0.5	<0.2
1366723	Soil	11	23	1.00	67	0.020	<1	1.78	0.013	0.03	0.1	0.02	7.1	0.1	<0.05	7	<0.5	<0.2
1365545	Soil	12	39	0.62	146	0.113	1	1.61	0.020	0.08	0.3	0.03	2.5	0.1	0.09	6	<0.5	<0.2
1366730	Soil	9	31	0.38	459	0.042	1	1.84	0.013	0.14	0.2	0.04	3.3	0.4	0.13	8	0.6	0.2
1365543	Soil	15	67	0.95	168	0.099	<1	1.73	0.033	0.12	0.3	0.02	3.2	0.2	0.13	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	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1366736	Soil		4.7	22.3	91.1	51	0.7	13.9	5.7	243	3.65	344.8	0.7	6.6	2.8	42	0.3	4.9	5.0	93	0.05	0.056
1366712	Soil		1.2	33.1	24.5	56	0.1	16.4	8.0	215	3.59	6.0	1.0	28.5	4.2	173	0.3	0.2	0.3	123	0.58	0.127
1366724	Soil		1.0	52.8	20.3	59	0.2	11.2	14.3	638	4.50	29.4	0.4	28.3	1.7	346	0.2	0.3	3.0	126	1.92	0.257
1366725	Soil		1.0	47.1	19.6	58	0.2	11.3	11.9	540	4.01	24.1	0.4	17.6	1.6	305	0.1	0.3	2.6	114	1.85	0.231
1366740	Soil		14.2	45.0	130.2	44	1.7	6.2	2.7	138	4.91	1567	0.8	28.4	1.3	29	0.3	12.1	20.9	39	0.04	0.091
1366742	Soil		3.6	39.5	64.6	49	0.8	14.5	5.9	207	2.75	256.0	1.3	14.2	1.5	33	0.4	2.6	5.4	49	0.12	0.106
1366717	Soil		2.0	18.0	16.7	37	<0.1	15.8	6.8	229	2.65	11.2	0.7	4.8	1.2	12	0.2	0.6	0.5	67	0.09	0.044
1366739	Soil		11.3	35.3	216.4	56	1.9	8.2	2.1	100	5.16	2322	0.6	38.7	0.7	29	0.3	16.8	34.2	48	0.04	0.088
1365555	Soil		2.0	69.5	61.5	37	0.3	13.2	14.5	345	3.92	18.3	0.4	5.6	0.4	50	0.2	0.5	4.0	114	0.47	0.137
1366713	Soil		2.1	32.4	23.0	52	0.1	22.9	13.4	283	3.34	8.5	1.2	10.6	4.3	86	0.2	0.4	0.4	103	0.30	0.083
1366738	Soil		4.2	36.1	384.0	53	3.2	4.9	1.3	38	3.02	941.9	0.6	20.4	1.5	39	0.2	17.5	36.5	20	0.06	0.064
1366735	Soil		7.0	23.5	41.7	69	1.0	16.9	7.7	244	3.42	602.3	0.8	31.8	1.3	34	0.4	15.1	6.3	55	0.10	0.065
1365567	Soil		3.9	36.1	136.9	41	0.9	10.8	2.7	156	2.07	494.7	0.7	8.7	1.5	16	0.2	5.9	13.7	30	0.03	0.051
1365562	Soil		6.7	33.1	59.8	99	1.2	15.5	5.9	306	2.94	133.8	0.8	4.2	0.5	26	0.5	4.4	11.7	53	0.17	0.124
1365571	Soil		4.6	152.9	42.7	1231	0.2	52.0	34.9	898	8.35	285.2	1.6	9.1	1.4	165	1.1	3.8	1.1	95	0.64	0.104
1365570	Soil		1.0	363.6	20.6	138	0.3	35.1	30.8	914	7.42	19.6	0.6	22.3	1.2	54	0.3	0.9	0.7	143	0.31	0.114
1365556	Soil		1.1	20.5	38.3	42	<0.1	15.0	12.7	245	3.84	10.5	0.4	3.4	1.4	68	0.2	0.4	0.6	91	0.39	0.098
1365554	Soil		1.9	31.9	10.4	39	0.2	9.0	9.1	337	3.43	9.6	0.5	7.9	0.7	109	0.1	0.3	4.7	92	0.90	0.115
1365559	Soil		2.1	23.5	38.9	85	0.2	22.6	14.5	589	5.21	27.4	0.7	14.7	3.0	82	0.3	0.8	0.8	140	0.66	0.114
1365563	Soil		4.3	75.0	81.7	61	4.7	13.5	4.4	109	2.42	597.7	1.9	25.8	0.8	22	0.4	6.8	44.4	48	0.17	0.085
1365564	Soil		3.2	61.3	68.6	102	1.0	20.4	11.0	314	3.75	218.8	1.4	8.3	1.4	56	0.3	3.6	7.1	43	0.27	0.089
1365572	Soil		2.1	87.4	38.1	85	0.7	14.7	6.0	157	2.83	243.4	1.5	17.0	2.0	51	0.5	4.7	3.0	66	0.25	0.053
1365547	Soil		2.4	27.3	12.1	44	0.1	13.2	5.5	150	2.93	12.7	0.6	6.8	1.2	12	0.2	0.7	0.4	79	0.09	0.039
1365561	Soil		6.0	23.9	180.6	127	2.1	13.5	6.2	251	3.86	247.8	0.5	45.5	2.7	25	0.9	5.1	7.9	94	0.16	0.078
1365565	Soil		6.0	84.9	211.3	80	2.8	13.1	3.9	228	3.40	839.4	1.8	26.9	0.8	19	0.5	11.2	58.3	43	0.07	0.091
1365569	Soil		3.0	27.0	69.0	80	0.6	13.7	12.3	430	2.91	242.2	0.8	26.0	1.4	156	0.2	3.6	3.8	52	0.22	0.113
1365566	Soil		5.1	72.2	248.1	96	1.7	12.9	4.5	216	4.13	877.4	0.9	12.6	1.8	16	0.4	8.6	31.3	56	0.07	0.085
1365552	Soil		0.5	10.6	29.7	71	0.2	10.7	6.0	563	3.02	6.2	0.8	5.2	2.4	50	<0.1	0.3	1.2	62	0.46	0.116
1263053	Soil		0.7	15.6	34.1	53	<0.1	18.4	10.5	366	4.25	12.3	1.2	7.3	2.7	60	0.3	0.4	0.4	85	0.29	0.074
1263056	Soil		2.0	22.1	68.0	68	<0.1	31.2	17.7	363	3.11	23.6	0.8	83.3	3.9	19	0.3	1.3	0.2	60	0.21	0.070

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Project: CHA
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Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
			ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm		
			1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.05	1	0.5	0.2		
1366736	Soil		9	29	0.21	89	0.056	<1	1.44	0.007	0.04	0.2	0.03	2.2	0.3	0.07	9	0.7	<0.2
1366712	Soil		11	37	1.05	272	0.149	<1	2.02	0.029	0.27	0.2	<0.01	4.3	0.2	0.07	7	<0.5	0.2
1366724	Soil		11	19	1.14	96	0.026	<1	3.00	0.084	0.09	0.1	0.02	7.5	0.2	<0.05	8	0.5	<0.2
1366725	Soil		10	19	1.08	98	0.029	<1	2.79	0.079	0.09	0.1	0.03	7.4	0.2	0.07	7	0.5	<0.2
1366740	Soil		5	16	0.10	258	0.011	2	0.70	0.015	0.41	0.4	0.03	1.0	1.5	1.17	10	1.6	0.2
1366742	Soil		10	28	0.26	127	0.034	<1	1.41	0.011	0.06	0.2	0.05	2.1	0.2	0.11	7	0.8	<0.2
1366717	Soil		13	28	0.30	503	0.030	2	1.53	0.007	0.04	0.1	0.04	2.2	0.1	<0.05	6	<0.5	<0.2
1366739	Soil		5	17	0.10	248	0.013	3	0.71	0.018	0.41	0.4	0.03	0.9	1.6	1.12	7	1.7	0.2
1365555	Soil		8	25	0.54	78	0.048	<1	1.49	0.016	0.05	0.2	0.11	3.3	0.1	0.09	6	<0.5	<0.2
1366713	Soil		12	48	0.83	208	0.123	<1	1.80	0.017	0.14	0.2	0.02	3.2	0.1	0.08	6	0.6	<0.2
1366738	Soil		6	11	0.07	303	0.009	<1	0.37	0.012	0.21	0.5	0.03	0.6	1.2	0.58	5	1.4	0.2
1366735	Soil		8	26	0.32	162	0.040	<1	1.34	0.013	0.15	0.4	0.07	1.8	1.1	0.34	5	1.9	<0.2
1365567	Soil		4	21	0.09	78	0.013	1	0.68	0.005	0.05	0.2	0.03	0.9	0.2	0.08	5	0.7	<0.2
1365562	Soil		8	29	0.30	341	0.026	4	1.25	0.013	0.17	0.3	0.05	1.5	0.5	0.25	6	<0.5	<0.2
1365571	Soil		6	35	1.19	174	0.072	1	2.83	0.068	0.18	0.1	0.02	12.2	0.7	0.32	8	2.4	<0.2
1365570	Soil		4	48	1.13	106	0.207	1	2.93	0.022	0.25	0.2	0.02	8.8	0.3	0.13	12	0.5	0.3
1365556	Soil		8	24	0.53	173	0.057	1	2.32	0.022	0.04	0.2	0.04	3.1	0.2	0.05	7	<0.5	<0.2
1365554	Soil		11	19	0.89	199	0.041	2	1.59	0.016	0.10	0.1	0.07	4.8	0.3	0.08	7	<0.5	<0.2
1365559	Soil		13	34	1.09	229	0.188	1	3.29	0.033	0.48	<0.1	0.03	7.0	0.5	<0.05	11	<0.5	0.2
1365563	Soil		9	22	0.24	282	0.024	2	1.41	0.014	0.08	0.5	0.07	2.5	0.5	0.15	5	0.8	<0.2
1365564	Soil		15	25	0.30	249	0.014	2	1.40	0.013	0.10	0.1	0.06	2.5	0.5	0.12	5	1.3	0.4
1365572	Soil		7	27	0.72	142	0.042	1	1.92	0.009	0.09	<0.1	0.06	6.5	0.6	0.06	8	0.7	<0.2
1365547	Soil		10	27	0.20	149	0.051	1	1.79	0.011	0.03	0.1	0.07	2.5	0.2	0.06	8	<0.5	<0.2
1365561	Soil		10	25	0.49	679	0.132	2	1.41	0.014	0.20	0.3	0.04	3.5	0.5	0.08	9	0.5	<0.2
1365565	Soil		6	25	0.15	134	0.017	3	1.10	0.014	0.13	0.4	0.06	1.2	0.6	0.28	9	1.6	0.2
1365569	Soil		11	24	0.44	265	0.024	1	1.82	0.013	0.14	0.2	0.04	2.8	0.5	0.09	6	0.8	<0.2
1365566	Soil		7	26	0.16	133	0.026	2	1.08	0.008	0.13	0.4	0.06	1.6	0.6	0.29	12	1.1	<0.2
1365552	Soil		28	20	0.73	294	0.017	1	1.89	0.016	0.05	0.1	0.04	3.8	0.1	<0.05	6	<0.5	<0.2
1263053	Soil		10	31	0.46	256	0.059	1	1.14	0.029	0.15	0.2	0.03	5.5	0.1	0.18	5	<0.5	<0.2
1263056	Soil		10	34	0.55	158	0.062	2	2.04	0.013	0.08	0.3	0.03	3.8	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	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	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	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1365557	Soil		1.8	27.7	37.1	51	0.1	12.8	13.4	505	4.69	12.6	0.4	2.8	1.7	222	0.2	0.4	0.3	128	0.98	0.152
1365558	Soil		1.0	14.9	16.1	57	<0.1	11.4	10.4	555	6.35	8.1	0.4	3.0	2.1	127	0.1	0.4	0.2	154	0.97	0.177
1263043	Soil		0.8	34.9	11.1	61	<0.1	45.3	12.9	388	3.62	8.6	0.9	15.7	3.0	65	0.2	0.5	0.4	120	0.50	0.116
1263044	Soil		1.3	21.0	8.5	47	<0.1	20.2	9.1	317	3.39	9.1	0.9	6.3	1.8	21	0.2	0.5	0.2	90	0.13	0.065
1263055	Soil		2.1	21.8	15.9	46	<0.1	23.6	8.9	455	3.25	92.5	1.1	24.0	1.6	18	0.1	3.1	0.2	66	0.10	0.061
1263054	Soil		1.3	64.8	18.0	45	0.1	19.8	30.5	568	6.94	15.6	0.6	32.0	2.2	54	0.1	0.5	0.8	176	0.35	0.040
1263077	Soil		0.8	14.8	7.4	41	<0.1	12.7	7.4	291	1.98	6.1	0.5	11.3	1.2	12	0.2	0.4	0.2	40	0.14	0.036
1263040	Soil		0.6	36.6	9.4	47	<0.1	18.2	18.1	380	3.19	3.5	0.6	5.2	4.0	107	<0.1	0.2	0.2	132	0.69	0.152
1263038	Soil		1.0	27.2	14.5	56	<0.1	25.2	11.4	358	2.90	7.7	1.0	3.4	3.7	30	0.1	0.5	0.1	79	0.26	0.065
1263052	Soil		0.8	23.3	8.4	49	<0.1	27.1	11.9	402	2.67	6.2	0.8	5.0	3.1	46	0.1	0.4	0.2	84	0.40	0.095
1263074	Soil		0.7	20.2	7.8	44	0.1	15.5	7.3	275	2.23	7.1	0.7	2.8	1.7	15	0.1	0.5	0.2	45	0.20	0.041
1263041	Soil		0.4	40.6	8.6	49	<0.1	22.3	15.0	432	3.36	2.6	0.5	1.2	3.6	476	<0.1	0.2	<0.1	137	1.09	0.129
1263039	Soil		1.6	34.1	22.9	65	<0.1	25.1	14.6	361	3.09	8.8	1.2	5.0	4.6	35	0.1	0.5	0.2	80	0.21	0.040
1263042	Soil		1.1	40.7	10.6	52	0.1	26.0	13.2	394	3.18	6.6	0.9	15.3	3.2	66	0.1	0.4	0.1	118	0.42	0.094
1263073	Soil		0.7	18.8	7.6	45	<0.1	14.8	6.6	256	2.26	6.7	0.7	2.1	2.2	15	0.1	0.5	0.2	46	0.21	0.039
1263060	Soil		1.2	20.3	14.9	50	<0.1	23.0	9.1	262	2.58	20.8	0.8	10.5	3.4	14	0.2	0.9	0.4	57	0.15	0.039
1263051	Soil		2.5	23.7	2.1	40	0.3	23.2	9.9	379	2.25	4.5	0.2	1.2	0.8	32	0.1	0.3	<0.1	61	0.74	0.055
1263076	Soil		0.6	16.9	6.8	42	0.1	12.3	5.9	192	2.08	5.7	0.5	1.2	1.5	13	0.1	0.5	0.1	47	0.17	0.034
1263059	Soil		1.8	17.9	21.7	43	<0.1	18.7	7.5	240	2.09	24.7	0.9	14.5	6.2	18	0.2	1.1	0.7	52	0.18	0.056
1263058	Soil		1.5	24.7	21.0	51	<0.1	22.9	11.6	304	2.92	18.2	1.0	7.8	3.5	14	<0.1	0.9	0.4	65	0.14	0.042
1263075	Soil		0.9	23.2	8.8	46	0.1	15.6	7.9	294	2.37	7.5	0.7	2.8	1.7	17	0.1	0.5	0.2	55	0.18	0.041
1263067	Soil		0.9	23.1	8.2	50	<0.1	20.1	10.4	339	2.90	8.8	0.8	14.9	4.0	12	<0.1	0.6	0.2	55	0.13	0.037
1263062	Soil		1.1	23.2	16.5	51	0.1	20.8	9.7	341	2.39	13.2	1.2	20.4	2.7	14	<0.1	0.6	0.7	55	0.14	0.050
1263070	Soil		0.8	24.8	9.8	48	0.1	16.8	7.7	256	2.57	7.9	0.9	3.8	1.2	19	0.1	0.5	0.2	58	0.21	0.049
1263057	Soil		2.1	20.5	37.2	51	0.1	16.5	8.3	318	3.04	11.9	0.6	4.1	2.1	11	0.3	0.8	0.4	96	0.09	0.038
1263071	Soil		1.1	20.6	9.9	47	<0.1	16.7	7.9	277	2.64	8.9	0.6	3.0	2.6	17	0.2	0.6	0.2	59	0.17	0.037
1263063	Soil		1.1	18.6	13.1	59	<0.1	21.7	12.2	493	2.86	10.4	0.7	2.4	2.3	14	0.3	0.6	0.3	62	0.15	0.078
1263065	Soil		0.9	19.9	10.6	56	<0.1	20.6	10.4	432	2.73	9.4	0.7	21.3	3.7	15	0.2	0.6	0.2	54	0.18	0.054
1263069	Soil		0.7	25.7	8.7	52	0.1	18.7	8.4	304	2.50	7.8	0.8	6.0	1.7	18	0.1	0.6	0.2	56	0.20	0.047
1263061	Soil		2.3	12.6	20.3	21	0.1	8.8	3.6	88	1.52	49.1	0.7	16.1	3.1	23	0.1	1.0	1.1	30	0.06	0.038

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	
1365557	Soil	12	22	1.02	165	0.115	<1	2.82	0.046	0.24	0.1	0.02	6.3	0.3	<0.05	9	<0.5	<0.2
1365558	Soil	14	21	1.31	196	0.228	<1	2.85	0.031	0.73	<0.1	0.01	8.4	0.7	<0.05	11	<0.5	<0.2
1263043	Soil	13	92	1.04	244	0.093	1	1.77	0.017	0.15	0.5	0.03	4.8	0.2	<0.05	6	<0.5	<0.2
1263044	Soil	10	41	0.44	218	0.048	1	1.59	0.008	0.06	0.2	0.07	3.0	0.2	<0.05	6	<0.5	<0.2
1263055	Soil	13	30	0.33	120	0.031	2	1.41	0.007	0.07	0.4	0.22	2.5	0.6	0.06	7	<0.5	<0.2
1263054	Soil	7	22	1.23	236	0.133	<1	2.13	0.023	0.21	0.2	0.03	15.7	0.3	0.12	8	0.8	<0.2
1263077	Soil	10	22	0.38	132	0.040	<1	1.34	0.007	0.06	0.1	0.03	2.8	<0.1	<0.05	5	<0.5	<0.2
1263040	Soil	17	49	1.16	169	0.118	<1	1.89	0.018	0.23	<0.1	<0.01	6.0	0.2	<0.05	6	<0.5	<0.2
1263038	Soil	14	37	0.68	181	0.088	1	1.83	0.013	0.08	0.3	0.03	3.2	0.1	<0.05	6	<0.5	<0.2
1263052	Soil	13	57	0.70	189	0.071	<1	1.46	0.016	0.09	0.3	0.03	3.9	0.1	<0.05	5	<0.5	<0.2
1263074	Soil	12	23	0.43	190	0.045	1	1.37	0.008	0.07	0.1	0.04	3.9	0.1	<0.05	4	<0.5	<0.2
1263041	Soil	18	62	1.51	191	0.081	<1	3.18	0.061	0.18	<0.1	0.01	5.2	0.1	<0.05	8	<0.5	<0.2
1263039	Soil	13	33	0.66	122	0.108	1	1.81	0.014	0.08	0.3	0.03	3.3	0.2	<0.05	6	<0.5	<0.2
1263042	Soil	15	56	0.68	182	0.084	<1	1.70	0.017	0.07	0.3	0.02	3.3	0.1	<0.05	5	<0.5	<0.2
1263073	Soil	12	24	0.46	187	0.050	<1	1.32	0.008	0.08	0.1	0.03	3.7	0.1	<0.05	4	<0.5	<0.2
1263060	Soil	15	30	0.46	144	0.047	1	1.55	0.008	0.06	0.2	0.03	3.5	0.1	<0.05	5	<0.5	<0.2
1263051	Soil	3	31	0.74	82	0.096	2	1.35	0.072	0.11	12.3	0.01	4.0	<0.1	<0.05	5	<0.5	<0.2
1263076	Soil	10	23	0.43	137	0.049	<1	1.28	0.007	0.07	0.1	0.03	3.0	0.1	<0.05	5	<0.5	<0.2
1263059	Soil	16	25	0.33	85	0.049	1	1.09	0.008	0.05	0.2	0.03	2.4	<0.1	0.05	3	<0.5	0.2
1263058	Soil	14	36	0.47	120	0.054	2	1.99	0.008	0.05	0.3	0.06	3.5	0.1	<0.05	5	0.6	<0.2
1263075	Soil	12	26	0.43	206	0.050	1	1.45	0.008	0.07	0.1	0.04	4.0	<0.1	0.06	5	<0.5	<0.2
1263067	Soil	13	29	0.56	164	0.070	2	1.85	0.008	0.10	0.3	0.03	4.7	0.1	<0.05	5	<0.5	<0.2
1263062	Soil	14	29	0.41	178	0.034	1	1.42	0.008	0.06	0.2	0.03	3.9	0.1	0.10	4	<0.5	0.3
1263070	Soil	12	30	0.46	195	0.045	1	1.68	0.008	0.07	0.1	0.03	3.4	<0.1	0.08	6	<0.5	<0.2
1263057	Soil	12	33	0.27	151	0.059	1	1.70	0.006	0.03	0.2	0.04	2.6	0.2	0.09	8	<0.5	<0.2
1263071	Soil	12	28	0.43	167	0.053	1	1.66	0.008	0.08	0.1	0.02	3.6	<0.1	0.07	6	<0.5	<0.2
1263063	Soil	12	29	0.46	161	0.055	1	1.95	0.008	0.06	0.2	0.05	3.5	<0.1	0.10	6	<0.5	<0.2
1263065	Soil	13	28	0.54	163	0.076	2	1.61	0.008	0.11	0.2	0.02	4.1	0.1	0.06	5	<0.5	<0.2
1263069	Soil	13	28	0.46	203	0.057	1	1.46	0.009	0.08	0.2	0.03	3.7	0.1	0.07	5	<0.5	<0.2
1263061	Soil	15	15	0.15	107	0.011	<1	0.67	0.006	0.05	0.1	0.01	1.8	<0.1	0.13	2	<0.5	0.3

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Project: CHA
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CERTIFICATE OF ANALYSIS

DAW12000260.1

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	U	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1369512	Soil		1.3	26.1	16.8	44	0.2	12.2	7.7	222	1.78	5.1	0.8	5.4	0.7	43	0.1	0.2	2.7	54	0.43	0.109
1263064	Soil		1.3	15.0	14.5	42	0.2	10.8	6.2	373	2.27	7.7	0.5	1.7	0.8	12	0.2	0.4	0.3	56	0.10	0.052
1263066	Soil		0.9	20.2	10.2	45	0.1	14.1	7.7	302	2.41	7.6	0.7	2.3	1.0	13	0.2	0.5	0.2	52	0.11	0.047
1263068	Soil		0.6	18.9	8.1	45	<0.1	16.2	8.7	319	2.46	7.7	0.7	23.8	3.6	13	0.1	0.5	0.2	44	0.15	0.040
1369505	Soil		1.0	29.3	13.4	53	<0.1	23.3	10.7	277	2.75	5.9	1.7	44.9	5.1	55	0.2	0.4	0.2	88	0.45	0.090
1369507	Soil		0.9	25.3	11.5	42	0.1	18.4	7.1	114	2.30	4.3	1.0	13.9	2.0	48	<0.1	0.4	0.2	75	0.31	0.067
1369509	Soil		2.3	17.6	25.1	36	0.3	9.8	4.3	117	2.56	6.8	0.8	11.9	0.3	90	0.2	0.3	0.8	63	0.30	0.102
1369511	Soil		0.5	12.1	30.8	52	0.3	9.8	3.5	142	1.47	3.4	0.7	7.6	0.5	58	0.2	0.2	1.3	40	0.39	0.089
1369524	Soil		2.5	107.8	53.0	145	1.3	22.0	6.1	124	1.96	55.0	1.7	19.4	1.2	56	1.6	1.5	5.9	55	0.34	0.062
1369506	Soil		1.1	37.7	13.9	49	0.2	22.9	11.8	236	2.86	5.7	1.4	6.7	3.6	79	0.1	0.4	0.2	96	0.41	0.086
1369503	Soil		1.2	58.0	27.2	58	0.2	24.5	14.8	406	3.19	11.4	1.5	19.8	4.3	98	0.2	0.5	0.5	90	0.51	0.101
1369508	Soil		3.9	25.2	50.5	50	0.3	19.0	8.0	321	3.71	55.4	1.0	40.6	2.6	34	0.3	1.3	1.1	60	0.25	0.111
1369528	Soil		3.1	46.5	206.9	174	2.5	16.0	15.3	581	3.24	277.7	0.9	13.2	1.8	57	0.9	4.9	14.4	72	0.49	0.131
1369515	Soil		1.0	24.1	17.8	57	<0.1	16.2	16.0	396	4.92	12.4	0.4	4.0	2.4	69	0.3	0.7	0.2	122	0.54	0.148
1369501	Soil		1.4	480.3	21.2	160	0.2	234.1	80.8	824	15.89	3.3	1.3	31.1	7.5	15	<0.1	0.3	0.2	229	0.29	0.040
1369513	Soil		1.1	56.2	52.1	101	0.3	13.2	21.2	454	3.67	19.2	0.5	8.7	1.4	64	0.3	0.5	0.5	102	0.61	0.164
1369526	Soil		1.4	159.3	97.4	90	1.8	15.2	3.7	82	1.38	66.6	1.3	23.1	1.0	36	1.4	3.7	10.6	34	0.30	0.065
1369514	Soil		0.7	12.5	18.0	70	<0.1	10.8	12.7	477	6.08	9.5	0.2	3.6	1.7	123	0.1	0.5	0.2	161	0.93	0.205
1369504	Soil		2.0	29.0	15.6	53	0.1	21.9	11.9	285	2.87	5.5	1.2	8.1	4.8	60	0.2	0.3	0.2	90	0.48	0.095
1369527	Soil		3.3	50.4	242.1	171	2.4	17.0	12.4	413	3.46	375.0	1.2	18.4	2.6	47	1.4	5.9	13.0	73	0.35	0.115
1369517	Soil		1.5	23.4	22.4	73	0.1	24.4	16.5	493	4.14	61.2	0.7	10.6	3.5	81	0.3	1.1	0.3	103	0.67	0.130
1369530	Soil		2.8	18.6	61.6	133	0.5	17.3	18.1	417	2.71	161.6	0.6	22.9	2.8	132	0.3	2.7	4.6	60	0.31	0.090
1369529	Soil		2.1	52.7	84.7	93	0.8	21.1	7.2	168	2.36	275.1	1.8	24.2	2.8	47	0.5	4.4	8.9	52	0.75	0.060
1369510	Soil		1.9	11.7	23.9	60	0.2	13.5	8.4	421	2.58	7.9	1.0	15.4	0.6	91	0.4	0.4	0.6	67	0.40	0.106
1369522	Soil		3.1	56.6	192.3	145	2.0	16.2	7.2	282	2.85	176.9	1.2	13.2	2.2	34	1.5	3.9	13.8	64	0.19	0.067
1369502	Soil		1.6	40.5	26.8	64	<0.1	27.1	16.3	331	3.10	12.8	0.9	5.5	3.7	15	0.3	0.8	0.5	62	0.15	0.045
1369532	Soil		1.0	31.1	34.2	106	0.4	17.7	17.4	527	2.69	83.9	1.6	15.3	2.0	109	0.6	1.4	2.7	58	0.83	0.100
1369516	Soil		1.5	13.7	13.4	66	<0.1	13.6	28.7	644	6.92	180.8	0.6	12.5	2.5	122	0.3	0.6	0.2	165	1.07	0.167
1262936	Soil		0.9	34.1	15.9	56	0.1	28.4	12.7	373	3.33	6.8	1.3	17.9	5.8	46	0.3	0.4	0.2	105	0.33	0.082
1369519	Soil		1.4	27.5	29.7	116	0.2	27.8	15.8	505	3.66	64.9	0.7	10.8	4.2	25	0.7	1.8	5.0	82	0.22	0.079

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1369512	Soil	14	25	0.48	207	0.035	1	1.40	0.013	0.04	0.1	0.09	3.4	0.1	0.15	5	0.6	<0.2
1263064	Soil	10	20	0.27	141	0.043	1	1.20	0.009	0.06	0.1	0.04	2.0	0.1	0.09	6	<0.5	<0.2
1263066	Soil	12	24	0.40	160	0.049	2	1.43	0.007	0.07	0.2	0.03	2.9	0.1	0.05	6	<0.5	<0.2
1263068	Soil	13	22	0.46	150	0.065	<1	1.39	0.007	0.10	0.3	0.01	3.4	0.1	<0.05	5	<0.5	<0.2
1369505	Soil	17	38	0.61	207	0.100	1	1.46	0.025	0.10	0.2	0.02	3.4	<0.1	0.07	4	<0.5	<0.2
1369507	Soil	11	37	0.57	163	0.080	1	1.61	0.022	0.06	0.2	0.04	2.7	0.1	0.09	5	<0.5	<0.2
1369509	Soil	11	17	0.43	285	0.028	1	1.80	0.018	0.05	0.1	0.07	2.3	0.2	0.12	6	0.6	0.2
1369511	Soil	13	21	0.44	179	0.026	1	1.42	0.015	0.04	0.1	0.06	1.9	0.2	0.12	5	<0.5	<0.2
1369524	Soil	9	40	0.49	374	0.057	2	1.81	0.017	0.11	0.2	0.06	4.9	0.4	0.13	7	0.7	<0.2
1369506	Soil	16	40	0.68	190	0.100	1	1.72	0.023	0.11	0.5	0.04	3.2	0.1	0.11	5	<0.5	<0.2
1369503	Soil	19	37	0.79	172	0.107	2	2.14	0.031	0.10	0.2	0.03	3.6	0.1	<0.05	7	<0.5	<0.2
1369508	Soil	13	31	0.34	1015	0.031	3	1.37	0.017	0.14	0.3	0.05	2.8	0.3	0.31	6	1.5	0.4
1369528	Soil	12	26	0.56	300	0.052	3	1.61	0.016	0.13	0.4	0.05	3.6	0.4	0.17	6	0.6	<0.2
1369515	Soil	13	25	0.96	154	0.208	1	2.29	0.031	0.28	0.1	0.03	4.9	0.5	0.07	8	<0.5	<0.2
1369501	Soil	18	725	0.13	148	0.182	4	4.01	0.012	0.06	<0.1	0.03	38.2	<0.1	<0.05	21	<0.5	<0.2
1369513	Soil	11	22	0.68	132	0.099	2	2.02	0.021	0.10	0.2	0.06	3.6	0.2	0.09	7	<0.5	<0.2
1369526	Soil	11	24	0.27	334	0.034	2	1.26	0.011	0.06	0.3	0.07	2.8	0.3	0.15	5	0.9	<0.2
1369514	Soil	12	24	1.73	163	0.305	<1	3.27	0.014	0.74	<0.1	0.02	7.3	0.7	<0.05	11	<0.5	<0.2
1369504	Soil	17	39	0.70	211	0.105	<1	1.49	0.026	0.11	0.2	0.02	3.2	0.1	0.08	5	<0.5	<0.2
1369527	Soil	12	28	0.53	330	0.051	2	1.75	0.012	0.12	0.4	0.06	3.8	0.4	0.14	6	0.9	<0.2
1369517	Soil	16	32	0.95	289	0.169	2	2.29	0.027	0.37	0.2	0.02	5.9	0.4	<0.05	7	<0.5	<0.2
1369530	Soil	15	24	0.49	266	0.046	1	1.59	0.012	0.13	0.2	0.03	3.3	0.4	0.08	6	<0.5	<0.2
1369529	Soil	10	36	0.50	160	0.045	2	1.37	0.012	0.07	0.2	0.05	4.1	0.2	0.12	5	1.0	<0.2
1369510	Soil	12	21	0.53	213	0.041	2	1.80	0.018	0.07	0.1	0.06	2.5	0.1	0.10	6	0.5	<0.2
1369522	Soil	11	27	0.28	395	0.040	<1	1.44	0.010	0.12	0.6	0.04	3.0	0.3	0.06	8	0.9	<0.2
1369502	Soil	15	32	0.58	108	0.075	2	2.02	0.010	0.06	0.2	0.04	3.8	0.1	<0.05	5	0.8	<0.2
1369532	Soil	15	27	0.54	282	0.030	1	1.60	0.014	0.10	0.1	0.04	4.6	0.2	0.10	6	0.9	<0.2
1369516	Soil	19	22	1.67	385	0.289	1	3.34	0.023	1.21	<0.1	0.03	11.1	0.9	<0.05	13	1.1	<0.2
1262936	Soil	14	53	0.78	214	0.120	1	1.70	0.017	0.08	0.3	0.03	3.1	0.1	<0.05	6	<0.5	<0.2
1369519	Soil	11	38	0.60	328	0.115	2	2.60	0.015	0.12	0.3	0.03	4.7	0.2	<0.05	6	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	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	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	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1369523	Soil		4.2	55.6	112.2	125	1.7	18.1	5.9	215	2.61	162.0	1.2	18.6	2.8	41	1.0	3.0	10.3	52	0.25	0.090
1369531	Soil		2.7	35.6	80.6	231	0.6	19.1	20.8	644	3.17	230.6	1.9	47.0	4.4	128	1.1	4.0	6.0	58	0.42	0.116
1262939	Soil		1.5	37.2	13.2	57	0.1	21.9	11.9	366	3.26	6.6	1.3	16.1	3.5	44	0.3	0.4	0.2	117	0.34	0.108
1262946	Soil		1.0	26.2	12.4	59	<0.1	22.4	11.4	370	3.12	10.4	1.0	4.2	3.0	22	0.2	0.6	0.2	82	0.19	0.051
1369521	Soil		2.3	32.4	64.4	124	0.5	26.2	13.5	418	3.28	100.4	0.7	7.6	3.9	20	1.2	2.6	10.7	68	0.17	0.094
1369518	Soil		1.3	18.4	20.5	81	<0.1	21.2	14.4	431	4.20	52.7	0.7	5.6	3.0	50	0.3	1.1	1.0	106	0.42	0.086
1262960	Soil		0.8	25.1	10.6	54	0.1	16.8	8.7	262	2.69	8.5	1.0	2.6	1.6	20	0.1	0.5	0.2	61	0.23	0.047
1262947	Soil		0.9	22.3	13.8	59	0.1	23.8	11.5	429	3.21	10.3	1.0	7.8	3.4	32	0.2	0.6	0.3	84	0.27	0.063
1369525	Soil		2.5	104.1	59.1	157	1.5	22.8	6.7	148	2.33	72.1	1.9	22.3	1.5	61	1.5	1.6	6.5	58	0.36	0.075
1369520	Soil		1.8	40.4	60.2	107	0.7	24.1	17.2	730	3.96	137.6	1.1	14.4	4.7	29	0.6	2.6	15.0	78	0.23	0.104
1262953	Soil		1.0	22.5	12.1	57	<0.1	21.5	9.9	291	2.97	18.7	0.9	6.2	4.5	16	0.1	1.0	0.4	55	0.16	0.035
1262959	Soil		0.6	21.8	9.2	58	<0.1	17.1	9.7	295	2.86	8.7	0.9	2.6	3.4	20	0.1	0.5	0.2	59	0.23	0.048
1262948	Soil		0.8	17.8	14.4	48	0.1	17.2	9.1	263	2.63	11.2	0.9	7.9	2.4	27	0.2	0.5	0.2	68	0.24	0.053
1262956	Soil		1.0	25.2	10.8	49	<0.1	13.5	10.9	389	3.47	10.8	0.6	2.2	2.7	14	0.1	0.5	0.3	79	0.14	0.037
1262957	Soil		0.5	80.3	17.2	64	<0.1	14.4	16.7	566	4.78	6.4	0.5	12.4	2.3	21	0.2	0.4	0.2	130	0.25	0.041
1262955	Soil		1.1	22.5	10.3	55	<0.1	19.4	9.7	291	3.23	14.1	0.9	4.8	3.8	17	0.1	0.6	0.3	63	0.17	0.031
1262954	Soil		0.7	20.3	11.9	39	<0.1	11.3	6.7	209	2.97	16.7	0.7	11.6	3.5	20	<0.1	0.6	0.5	43	0.13	0.037
1262949	Soil		1.4	23.2	11.4	52	<0.1	20.3	8.8	274	3.09	16.9	0.8	7.1	3.1	20	0.2	0.7	0.3	72	0.15	0.043
1262940	Soil		1.5	35.8	13.2	62	<0.1	28.4	13.0	355	3.28	9.3	0.9	1.8	3.0	22	0.3	0.5	0.1	116	0.22	0.064
1262945	Soil		1.2	32.2	14.2	62	0.1	26.8	13.4	396	3.65	8.9	1.0	5.8	3.8	39	0.2	0.6	0.3	103	0.30	0.069
1262937	Soil		1.6	34.5	19.6	53	0.1	16.4	10.0	268	2.59	7.5	1.7	23.0	2.3	67	0.4	0.4	0.5	67	0.33	0.072
1262938	Soil		0.8	35.8	15.5	48	0.1	21.5	15.3	380	3.09	5.5	1.6	7.4	4.9	132	0.1	0.2	0.3	138	0.60	0.118
1262961	Soil		0.7	22.5	10.7	52	0.1	15.8	7.4	227	2.60	8.0	0.9	3.3	1.2	19	0.2	0.4	0.3	58	0.20	0.044
1262958	Soil		0.6	28.2	8.5	50	<0.1	14.1	10.2	389	2.80	7.0	0.7	1.2	3.3	17	0.1	0.4	0.1	67	0.23	0.047
1262942	Soil		0.9	27.5	9.8	57	<0.1	23.6	10.7	350	3.11	6.5	0.6	4.4	2.9	60	0.1	0.6	0.1	86	0.35	0.061
1262952	Soil		1.0	17.3	12.7	44	<0.1	15.6	6.5	204	2.65	19.3	0.7	6.4	3.9	15	<0.1	0.8	0.3	45	0.13	0.027
1262965	Soil		0.7	24.2	12.7	59	0.2	17.3	9.2	235	2.90	8.2	1.0	7.0	2.5	21	0.1	0.5	0.2	67	0.21	0.045
1262941	Soil		1.4	31.1	11.5	56	<0.1	25.6	12.4	446	3.58	8.2	1.0	59.2	4.0	44	<0.1	0.5	0.3	126	0.29	0.063
1262943	Soil		0.8	27.0	10.1	52	<0.1	23.5	12.3	426	3.50	6.7	0.8	10.7	3.3	52	0.2	0.5	0.1	112	0.30	0.067
1262950	Soil		1.2	34.1	18.5	62	0.2	19.6	18.9	401	4.12	16.8	0.9	11.1	2.1	30	0.3	0.6	0.5	109	0.29	0.046

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.001	0.01	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
1369523	Soil	9	28	0.28	440	0.028	3	1.55	0.015	0.13	0.3	0.03	2.9	0.3	0.14	6	0.7	<0.2
1369531	Soil	15	24	0.47	312	0.041	2	1.52	0.018	0.16	0.3	0.05	5.1	0.5	0.07	6	1.2	<0.2
1262939	Soil	13	43	0.68	256	0.150	2	1.82	0.017	0.11	0.3	0.07	3.7	0.1	0.07	7	0.8	<0.2
1262946	Soil	15	35	0.52	259	0.078	1	1.91	0.015	0.05	0.2	0.02	4.9	0.1	<0.05	6	0.5	<0.2
1369521	Soil	10	38	0.42	235	0.059	2	1.93	0.011	0.09	0.3	0.03	3.9	0.2	<0.05	6	0.8	<0.2
1369518	Soil	14	33	0.91	382	0.178	1	2.59	0.019	0.26	0.1	0.02	6.0	0.3	<0.05	9	<0.5	<0.2
1262960	Soil	15	29	0.50	215	0.077	<1	1.69	0.009	0.09	0.1	0.03	5.0	0.1	<0.05	6	0.5	<0.2
1262947	Soil	15	39	0.56	248	0.087	2	1.88	0.014	0.08	0.3	0.04	4.8	<0.1	<0.05	6	<0.5	<0.2
1369525	Soil	9	40	0.57	390	0.066	<1	2.04	0.021	0.12	0.1	0.06	5.4	0.4	0.07	7	0.8	<0.2
1369520	Soil	12	39	0.48	297	0.071	2	2.19	0.013	0.11	0.4	0.06	4.0	0.3	<0.05	7	0.8	<0.2
1262953	Soil	11	31	0.50	154	0.067	1	1.75	0.011	0.10	0.2	0.02	4.7	0.1	<0.05	5	<0.5	<0.2
1262959	Soil	14	26	0.57	231	0.094	1	1.58	0.011	0.09	0.2	0.02	5.1	0.1	<0.05	5	<0.5	<0.2
1262948	Soil	12	31	0.46	165	0.060	1	1.53	0.010	0.07	0.2	0.03	4.0	<0.1	<0.05	5	<0.5	<0.2
1262956	Soil	11	22	0.70	155	0.123	3	1.70	0.011	0.24	0.1	0.02	5.7	0.2	<0.05	7	<0.5	<0.2
1262957	Soil	8	25	1.32	281	0.201	<1	2.19	0.011	0.83	0.1	<0.01	7.0	0.4	<0.05	8	<0.5	<0.2
1262955	Soil	14	29	0.55	178	0.083	3	1.83	0.011	0.10	0.2	0.02	5.4	0.1	<0.05	6	<0.5	<0.2
1262954	Soil	14	17	0.44	167	0.077	<1	1.33	0.015	0.18	0.1	0.01	5.3	0.2	0.14	5	<0.5	<0.2
1262949	Soil	12	32	0.45	224	0.069	2	1.93	0.012	0.08	0.2	0.03	4.6	0.1	0.12	6	<0.5	<0.2
1262940	Soil	11	49	0.61	233	0.108	2	2.56	0.012	0.05	0.3	0.07	3.6	<0.1	<0.05	7	<0.5	<0.2
1262945	Soil	13	44	0.73	203	0.106	<1	2.01	0.020	0.10	0.3	0.04	4.3	0.2	<0.05	7	<0.5	<0.2
1262937	Soil	11	28	0.48	151	0.079	<1	1.66	0.022	0.06	0.2	0.04	3.1	0.1	<0.05	6	0.6	0.2
1262938	Soil	17	62	0.74	190	0.108	<1	1.85	0.026	0.17	0.1	0.02	3.6	0.1	<0.05	6	<0.5	<0.2
1262961	Soil	12	26	0.50	190	0.070	2	1.77	0.010	0.08	0.1	0.03	4.1	0.1	<0.05	6	<0.5	<0.2
1262958	Soil	12	21	0.60	156	0.126	<1	1.38	0.010	0.22	0.1	0.02	4.8	0.2	<0.05	5	<0.5	<0.2
1262942	Soil	11	38	0.60	149	0.100	2	1.83	0.019	0.08	0.2	0.03	3.3	0.1	<0.05	5	<0.5	<0.2
1262952	Soil	13	22	0.41	143	0.051	<1	1.48	0.009	0.08	0.2	0.03	3.6	0.1	<0.05	5	0.5	<0.2
1262965	Soil	11	30	0.60	225	0.072	<1	1.90	0.011	0.07	0.1	0.05	5.1	0.1	<0.05	6	0.6	<0.2
1262941	Soil	13	51	0.68	171	0.110	2	2.04	0.012	0.09	0.3	0.03	4.0	0.1	<0.05	6	0.6	<0.2
1262943	Soil	14	43	0.56	170	0.108	1	1.85	0.019	0.07	0.5	0.05	3.0	<0.1	<0.05	5	<0.5	<0.2
1262950	Soil	9	26	0.87	193	0.090	1	1.93	0.015	0.17	0.2	0.02	7.9	0.3	<0.05	7	<0.5	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1262944	Soil	1.0	25.9	9.0	51	<0.1	27.1	12.6	325	3.09	9.3	0.5	4.7	2.7	17	0.1	0.5	0.2	98	0.14	0.037
1262964	Soil	1.0	22.5	11.4	52	0.1	18.4	9.6	265	2.56	8.1	0.7	4.4	1.6	19	<0.1	0.4	0.3	62	0.20	0.042
1262963	Soil	0.7	23.1	11.1	51	0.2	16.9	9.3	254	2.57	7.3	0.7	5.6	1.3	20	<0.1	0.4	0.2	62	0.20	0.047
1262967	Soil	0.8	20.1	13.9	51	<0.1	14.5	9.0	311	2.42	6.2	0.5	2.1	1.6	25	<0.1	0.3	0.2	64	0.27	0.036
1266455	Soil	0.9	45.9	14.1	59	<0.1	29.5	15.9	384	3.44	5.1	0.8	19.6	4.1	127	0.2	0.3	0.2	120	0.62	0.122
1262966	Soil	0.9	23.4	11.6	51	0.2	15.5	9.4	224	2.69	8.8	0.7	19.0	1.8	19	0.1	0.4	0.2	69	0.19	0.042
1262951	Soil	2.7	27.1	2.2	40	0.3	25.5	10.9	383	2.33	4.6	0.2	2.2	0.8	34	0.2	0.3	<0.1	63	0.72	0.058
1262962	Soil	0.8	28.2	10.8	51	0.1	17.5	11.0	291	2.68	8.3	0.7	4.6	2.3	21	0.1	0.4	0.2	66	0.21	0.051
1266461	Soil	1.0	54.8	13.5	72	<0.1	30.4	14.6	561	3.47	7.0	1.2	6.7	3.4	58	0.2	0.4	0.5	106	0.47	0.103
1266459	Soil	1.8	29.6	12.1	59	<0.1	22.3	12.7	474	3.60	8.7	0.6	3.9	2.3	26	0.5	0.5	0.2	120	0.16	0.062
1266460	Soil	1.2	25.9	10.0	37	<0.1	14.4	7.8	293	2.49	4.5	0.5	2.4	1.6	27	0.1	0.3	0.2	97	0.15	0.053
1266457	Soil	0.8	47.6	10.2	55	<0.1	21.5	16.1	519	4.12	3.8	1.0	6.4	4.8	124	0.1	0.2	0.1	168	0.83	0.125
1266469	Soil	1.2	19.8	9.2	51	<0.1	20.6	10.7	321	2.82	16.4	0.5	3.3	3.5	10	0.2	0.7	0.3	52	0.07	0.025
1266466	Soil	4.6	37.1	146.7	91	0.5	30.5	34.5	2415	1.77	51.2	2.4	127.0	4.2	17	0.5	2.1	2.9	34	0.07	0.052
1266470	Soil	1.1	22.4	8.9	35	<0.1	11.1	4.4	181	2.51	12.4	0.5	1.6	1.9	8	<0.1	1.0	0.5	43	0.05	0.034
1266473	Soil	1.2	15.2	10.2	34	<0.1	9.6	4.1	140	2.24	9.3	0.5	4.9	0.4	8	0.1	0.5	0.3	47	0.05	0.054
1266454	Soil	0.6	48.9	24.4	89	0.1	71.9	14.8	413	3.37	9.0	0.7	10.1	3.3	70	0.2	0.5	0.3	81	0.71	0.142
1266467	Soil	1.3	10.5	43.2	19	<0.1	7.3	5.8	162	1.33	14.7	0.9	45.7	5.3	22	0.1	0.8	0.9	20	0.03	0.029
1266451	Soil	2.5	26.0	2.2	42	0.3	25.0	10.9	384	2.32	5.4	0.2	0.9	0.9	35	0.2	0.3	<0.1	63	0.75	0.057
1266476	Soil	0.9	18.6	7.0	46	<0.1	13.4	7.0	294	2.58	12.3	0.5	1.8	2.4	9	0.1	0.7	0.2	44	0.10	0.042
1266468	Soil	0.7	12.7	7.1	40	<0.1	16.6	7.6	292	2.24	11.8	0.6	1.8	3.3	8	<0.1	0.5	0.2	34	0.06	0.023
1266471	Soil	0.5	8.6	4.4	30	<0.1	3.4	3.8	140	1.45	3.8	0.2	<0.5	0.4	8	<0.1	0.1	<0.1	34	0.12	0.041
1266463	Soil	2.5	17.4	54.5	113	0.4	19.5	24.0	407	5.88	115.3	1.1	49.3	3.2	44	0.3	1.1	1.4	112	0.11	0.082
1266479	Soil	1.0	21.5	9.9	59	<0.1	20.7	9.5	310	2.84	12.9	0.7	2.5	3.7	11	0.2	0.7	0.2	62	0.11	0.032
1266472	Soil	0.8	24.4	6.8	34	<0.1	11.4	7.3	294	1.95	12.9	0.6	4.4	1.8	9	0.2	0.8	0.5	30	0.08	0.037
1266477	Soil	0.8	21.3	7.0	45	<0.1	16.1	7.1	240	2.18	16.4	0.7	8.5	1.9	12	0.2	0.7	0.2	48	0.15	0.052
1266465	Soil	2.3	17.7	48.1	33	<0.1	10.8	7.7	138	1.31	65.7	2.1	22.0	4.0	13	0.1	2.1	0.7	18	0.04	0.042
1266452	Soil	1.6	29.3	26.9	64	0.1	23.1	13.1	342	2.91	8.1	1.1	8.1	3.5	207	0.3	0.4	0.2	75	0.50	0.077
1266458	Soil	1.4	43.7	12.0	58	<0.1	21.4	14.6	538	3.35	5.7	1.1	19.8	3.8	94	0.2	0.3	0.2	118	0.54	0.106
1266482	Soil	0.7	19.2	8.6	37	<0.1	9.8	4.8	149	1.80	6.3	0.6	1.8	1.0	8	0.2	0.3	0.1	38	0.06	0.042

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	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Te ppm	
1262944	Soil	9	40	0.56	174	0.077	1	2.01	0.011	0.05	0.2	0.04	2.9	<0.1	<0.05	5	<0.5	<0.2
1262964	Soil	10	30	0.54	210	0.064	<1	1.52	0.009	0.06	0.1	0.03	4.3	0.1	<0.05	5	<0.5	<0.2
1262963	Soil	10	28	0.53	228	0.058	2	1.57	0.009	0.06	0.1	0.05	4.0	0.1	0.05	5	<0.5	<0.2
1262967	Soil	8	25	0.54	176	0.048	<1	1.42	0.009	0.08	0.2	0.03	3.6	<0.1	0.06	5	<0.5	<0.2
1266455	Soil	17	59	0.92	192	0.145	1	1.90	0.020	0.19	0.2	0.02	5.0	0.1	<0.05	6	<0.5	<0.2
1262966	Soil	10	28	0.54	212	0.059	<1	1.59	0.012	0.05	0.1	0.04	4.4	0.1	0.07	6	<0.5	<0.2
1262951	Soil	4	32	0.74	91	0.097	2	1.37	0.074	0.11	13.0	0.02	4.0	<0.1	<0.05	5	<0.5	<0.2
1262962	Soil	11	29	0.53	217	0.074	1	1.58	0.010	0.08	0.2	0.03	4.7	0.1	0.05	5	<0.5	<0.2
1266461	Soil	14	58	0.86	284	0.086	1	1.96	0.017	0.10	0.2	0.04	5.9	0.1	0.06	7	<0.5	<0.2
1266459	Soil	10	47	0.57	150	0.097	1	2.13	0.011	0.05	0.2	0.05	3.3	<0.1	0.06	7	<0.5	<0.2
1266460	Soil	7	37	0.37	110	0.084	1	1.23	0.017	0.05	0.2	0.04	2.2	<0.1	0.07	6	<0.5	<0.2
1266457	Soil	20	57	0.95	195	0.132	<1	2.19	0.046	0.19	0.2	0.02	7.4	<0.1	<0.05	7	<0.5	<0.2
1266469	Soil	12	29	0.40	99	0.062	<1	1.63	0.012	0.07	0.2	0.04	3.6	<0.1	0.08	5	<0.5	<0.2
1266466	Soil	15	15	0.12	198	0.007	1	0.71	0.005	0.05	0.3	0.07	3.1	0.2	<0.05	2	<0.5	0.8
1266470	Soil	11	17	0.23	81	0.033	<1	1.22	0.010	0.09	0.1	0.04	2.2	0.1	0.13	5	<0.5	<0.2
1266473	Soil	7	19	0.24	93	0.035	<1	1.22	0.011	0.05	0.1	0.05	1.6	<0.1	0.06	6	<0.5	<0.2
1266454	Soil	14	133	1.42	261	0.141	1	2.06	0.030	0.36	0.6	0.02	5.2	0.3	<0.05	7	<0.5	<0.2
1266467	Soil	17	8	0.10	298	0.012	<1	0.54	0.003	0.06	0.3	0.03	3.6	<0.1	0.06	2	<0.5	0.2
1266451	Soil	4	32	0.75	91	0.101	2	1.39	0.073	0.11	12.6	0.01	4.1	<0.1	0.07	5	<0.5	<0.2
1266476	Soil	11	21	0.39	95	0.044	<1	1.37	0.007	0.07	0.1	0.03	2.9	<0.1	<0.05	5	<0.5	<0.2
1266468	Soil	15	19	0.30	81	0.032	1	1.24	0.007	0.06	0.1	0.02	3.0	<0.1	0.06	3	<0.5	<0.2
1266471	Soil	4	9	0.20	32	0.052	<1	0.68	0.021	0.03	<0.1	0.02	1.0	<0.1	0.05	3	<0.5	<0.2
1266463	Soil	13	20	0.56	224	0.039	2	1.47	0.088	0.42	2.4	0.05	13.6	0.4	0.87	6	1.7	0.6
1266479	Soil	10	32	0.51	131	0.062	<1	1.97	0.006	0.07	0.2	0.05	3.9	0.1	<0.05	6	<0.5	<0.2
1266472	Soil	9	15	0.24	109	0.032	<1	0.88	0.008	0.05	0.1	0.03	2.0	<0.1	<0.05	3	<0.5	<0.2
1266477	Soil	11	23	0.35	90	0.056	<1	1.01	0.008	0.06	0.2	0.03	2.6	<0.1	0.06	4	<0.5	<0.2
1266465	Soil	13	7	0.06	94	0.002	<1	0.35	0.002	0.05	0.6	0.02	1.7	<0.1	<0.05	<1	<0.5	<0.2
1266452	Soil	11	34	0.68	194	0.091	<1	2.06	0.029	0.08	0.2	0.04	2.7	0.1	<0.05	5	<0.5	<0.2
1266458	Soil	16	45	0.82	198	0.100	<1	1.86	0.026	0.11	0.2	0.03	5.1	<0.1	<0.05	6	<0.5	<0.2
1266482	Soil	7	18	0.27	108	0.052	<1	1.30	0.014	0.07	0.1	0.02	2.7	0.1	0.05	5	<0.5	<0.2

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1266464	Soil	1.3	22.1	40.0	68	0.3	19.6	45.1	385	4.29	30.4	1.0	15.9	2.6	23	0.4	0.6	0.9	94	0.22	0.063
1266481	Soil	0.7	21.0	8.7	46	0.1	13.1	7.6	319	2.47	7.8	0.5	2.3	2.3	9	0.2	0.5	0.1	49	0.09	0.026
1266480	Soil	0.8	14.4	9.6	37	0.1	11.0	4.7	146	1.74	6.8	0.5	1.7	0.5	12	0.1	0.4	0.2	43	0.10	0.045
1266456	Soil	0.9	53.0	14.7	68	0.1	31.7	16.3	517	3.57	5.2	1.0	12.9	3.7	78	0.1	0.3	0.2	129	0.69	0.131
1266478	Soil	0.7	19.8	7.9	47	<0.1	16.0	6.7	226	2.36	12.1	0.7	3.5	2.2	13	0.1	0.5	0.1	54	0.16	0.042
1266483	Soil	0.8	18.0	8.8	52	0.1	12.1	7.0	329	2.63	10.3	0.5	1.8	2.4	10	0.1	0.6	0.1	48	0.10	0.034
1262729	Soil	1.4	17.1	11.3	52	<0.1	19.0	9.4	365	3.19	25.5	0.7	11.4	3.0	14	0.3	1.0	0.5	65	0.14	0.060
1266453	Soil	1.4	34.4	16.1	66	<0.1	25.9	12.3	436	3.03	7.9	1.4	32.9	4.8	67	0.3	0.4	0.3	91	0.36	0.072
1266462	Soil	1.8	13.6	62.4	58	0.3	11.9	7.3	249	3.88	37.4	1.3	28.0	5.2	39	0.3	1.1	0.8	95	0.10	0.084
1266484	Soil	0.7	18.1	7.9	49	<0.1	13.0	7.0	383	2.55	11.4	0.5	3.9	2.0	12	0.2	0.6	0.2	43	0.13	0.037
1262718	Soil	1.3	38.2	14.8	52	<0.1	21.9	12.1	356	3.38	5.6	1.2	8.8	4.7	87	0.2	0.4	0.3	114	0.36	0.073
1262728	Soil	1.3	13.9	21.1	40	<0.1	11.5	5.2	209	3.09	14.3	0.6	9.3	2.1	36	0.2	0.6	0.3	79	0.13	0.034
1262742	Soil	0.8	26.1	11.0	45	0.1	12.1	5.2	253	2.11	7.3	0.9	7.3	1.1	23	0.2	0.4	0.3	44	0.21	0.040
1262741	Soil	0.9	24.7	14.3	33	0.2	12.2	4.8	263	1.83	8.2	1.0	7.3	0.3	21	0.2	0.5	0.5	36	0.15	0.050
1262723	Soil	0.9	29.0	10.0	51	<0.1	18.3	11.0	300	2.78	5.1	1.2	15.3	2.7	48	0.2	0.5	0.3	91	0.37	0.100
1262720	Soil	0.9	46.6	23.0	57	<0.1	21.9	14.1	445	3.66	5.4	1.0	11.8	4.7	98	0.2	0.3	0.2	150	0.45	0.114
1262722	Soil	0.7	36.1	11.8	63	<0.1	24.3	14.8	732	3.71	8.4	1.0	74.2	4.2	81	0.2	0.5	0.2	109	0.42	0.107
1262735	Soil	1.1	11.9	11.1	35	0.1	8.7	6.4	562	2.05	7.4	0.4	1.4	0.9	9	0.2	0.3	0.3	47	0.07	0.045
1262738	Soil	0.9	17.4	10.5	44	0.1	12.6	5.8	255	2.27	8.0	0.9	3.5	1.0	15	0.1	0.5	0.2	48	0.12	0.043
1262748	Soil	0.6	14.1	8.6	44	0.1	11.3	7.3	348	2.20	5.2	0.6	4.8	2.3	18	0.1	0.4	0.1	44	0.20	0.043
1262717	Soil	0.8	21.3	12.9	44	<0.1	14.2	7.5	240	2.34	3.9	0.9	2.0	2.6	58	0.1	0.4	0.2	63	0.26	0.064
1262727	Soil	0.4	25.1	7.9	48	<0.1	22.7	7.4	219	2.68	5.9	0.9	12.0	3.8	51	0.2	0.5	0.1	80	0.37	0.075
1262736	Soil	0.9	21.4	11.3	58	<0.1	18.9	10.4	448	2.91	12.1	0.9	4.8	2.5	16	0.2	0.7	0.3	55	0.15	0.050
1262744	Soil	0.7	20.7	12.5	37	0.2	8.3	10.2	576	2.12	6.1	0.6	3.4	1.1	19	<0.1	0.4	0.3	46	0.19	0.053
1262730	Soil	1.5	16.5	11.8	46	<0.1	17.3	6.6	215	2.70	17.2	0.7	3.1	3.0	17	0.3	0.8	0.3	62	0.16	0.041
1262737	Soil	0.8	20.9	9.8	44	<0.1	18.5	8.2	302	2.59	9.6	0.9	8.1	3.7	13	<0.1	0.6	0.2	52	0.11	0.029
1262743	Soil	0.5	31.7	10.5	47	<0.1	11.0	6.4	304	2.36	5.2	0.6	3.5	2.5	17	<0.1	0.4	0.2	54	0.19	0.039
1262719	Soil	1.1	27.5	9.7	50	<0.1	21.0	10.0	336	3.09	6.2	0.8	15.2	3.2	42	0.2	0.5	0.1	115	0.31	0.093
1262740	Soil	1.3	17.7	21.0	43	0.1	14.0	10.4	535	2.36	14.9	1.1	6.2	1.1	18	0.2	0.6	0.5	47	0.15	0.052
1262749	Soil	0.5	16.3	8.7	48	0.1	14.1	7.0	298	2.30	5.2	0.7	10.0	1.6	20	0.1	0.4	0.2	49	0.20	0.045

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1266464	Soil	12	23	0.58	146	0.074	<1	1.48	0.019	0.11	0.2	0.04	10.9	0.1	0.11	5	<0.5	<0.2
1266481	Soil	9	22	0.47	107	0.065	<1	1.57	0.006	0.09	0.1	0.02	3.4	0.1	<0.05	5	<0.5	<0.2
1266480	Soil	9	19	0.31	108	0.046	<1	1.09	0.008	0.06	0.1	0.03	2.1	<0.1	<0.05	5	<0.5	<0.2
1266456	Soil	14	82	1.12	187	0.126	<1	2.01	0.017	0.20	0.2	0.04	6.8	0.1	0.05	7	<0.5	<0.2
1266478	Soil	11	28	0.45	145	0.051	<1	1.50	0.008	0.05	0.2	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
1266483	Soil	8	20	0.46	113	0.077	<1	1.47	0.006	0.10	0.1	0.01	3.9	0.1	<0.05	6	<0.5	<0.2
1262729	Soil	12	33	0.48	159	0.050	2	2.05	0.008	0.05	0.3	0.06	3.5	0.2	<0.05	6	0.5	<0.2
1266453	Soil	12	40	0.68	206	0.106	<1	1.87	0.020	0.09	0.3	0.04	3.1	0.1	0.05	5	<0.5	<0.2
1266462	Soil	12	27	0.69	256	0.101	2	1.50	0.058	0.41	0.2	0.04	10.1	0.3	0.49	7	<0.5	0.3
1266484	Soil	9	21	0.45	143	0.061	2	1.53	0.007	0.09	0.2	0.02	3.9	0.1	<0.05	6	<0.5	<0.2
1262718	Soil	14	50	0.85	159	0.095	<1	2.09	0.017	0.11	0.2	0.03	3.5	0.1	<0.05	7	<0.5	<0.2
1262728	Soil	9	24	0.28	176	0.069	2	1.31	0.009	0.05	0.2	0.02	2.8	0.1	<0.05	7	0.6	<0.2
1262742	Soil	12	22	0.43	183	0.046	<1	1.37	0.013	0.07	0.2	0.04	3.4	0.1	<0.05	5	<0.5	<0.2
1262741	Soil	11	19	0.26	173	0.022	1	1.06	0.014	0.05	0.1	0.05	1.5	0.1	0.06	4	0.9	0.2
1262723	Soil	15	41	0.65	191	0.080	1	1.67	0.020	0.08	0.2	0.05	4.6	0.1	<0.05	6	0.6	<0.2
1262720	Soil	15	49	0.87	222	0.168	1	2.00	0.022	0.17	0.3	0.02	3.3	0.1	<0.05	6	<0.5	<0.2
1262722	Soil	17	49	0.83	310	0.096	1	2.32	0.024	0.13	0.2	0.04	6.0	0.1	<0.05	7	<0.5	<0.2
1262735	Soil	7	16	0.24	89	0.051	2	1.02	0.013	0.05	0.2	0.05	1.3	<0.1	0.10	5	<0.5	<0.2
1262738	Soil	13	21	0.43	149	0.058	<1	1.43	0.009	0.08	0.2	0.03	3.1	0.1	<0.05	6	<0.5	<0.2
1262748	Soil	11	21	0.48	207	0.055	2	1.42	0.010	0.08	0.2	0.03	3.7	0.1	0.06	5	<0.5	<0.2
1262717	Soil	12	26	0.53	124	0.078	<1	1.61	0.020	0.07	0.1	0.04	2.4	<0.1	0.10	5	<0.5	<0.2
1262727	Soil	14	41	0.56	200	0.077	<1	1.48	0.019	0.08	0.2	0.03	5.0	<0.1	<0.05	5	0.6	<0.2
1262736	Soil	13	29	0.56	170	0.059	<1	1.90	0.008	0.09	0.2	0.04	3.9	0.1	0.07	6	<0.5	<0.2
1262744	Soil	8	14	0.41	149	0.044	<1	1.24	0.010	0.10	0.1	0.01	3.3	0.1	<0.05	5	<0.5	<0.2
1262730	Soil	10	25	0.39	145	0.072	<1	1.18	0.008	0.05	0.3	0.03	2.2	<0.1	0.08	5	<0.5	<0.2
1262737	Soil	12	26	0.52	159	0.070	1	1.76	0.009	0.06	0.1	0.03	3.8	0.1	<0.05	5	<0.5	<0.2
1262743	Soil	9	19	0.63	141	0.086	<1	1.28	0.009	0.20	0.1	<0.01	4.4	0.2	<0.05	5	<0.5	<0.2
1262719	Soil	13	43	0.63	185	0.095	1	1.69	0.014	0.08	0.2	0.03	3.2	<0.1	<0.05	6	0.6	<0.2
1262740	Soil	12	24	0.48	152	0.043	1	1.43	0.007	0.09	0.2	0.04	3.3	0.1	0.07	5	<0.5	<0.2
1262749	Soil	11	23	0.50	248	0.051	1	1.65	0.010	0.07	0.4	0.03	4.5	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	U	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	ppm	%	%
			0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1262747	Soil		0.8	14.4	9.3	41	0.2	11.2	6.0	239	2.25	6.0	0.7	1.9	1.2	19	<0.1	0.3	0.2	47	0.18	0.053
1262733	Soil		1.9	14.8	17.1	37	<0.1	13.1	4.2	153	2.14	18.2	0.5	3.8	2.2	14	0.1	1.0	0.5	67	0.10	0.034
1262732	Soil		1.3	21.9	10.5	67	0.1	27.9	11.9	239	3.17	17.1	0.6	6.6	3.1	16	0.3	0.8	0.2	65	0.14	0.033
1262726	Soil		0.8	24.5	12.0	56	0.1	24.0	10.1	337	2.89	7.4	0.9	14.4	2.8	61	0.2	0.4	0.2	87	0.43	0.089
1366404	Soil		0.9	4.0	20.2	65	<0.1	7.5	14.1	1643	6.08	7.9	0.3	3.2	2.6	109	0.2	0.3	<0.1	133	1.45	0.283
1262739	Soil		0.7	14.4	9.9	35	<0.1	10.8	4.7	170	1.98	6.8	0.6	3.3	0.1	14	0.1	0.3	0.2	47	0.12	0.044
1262734	Soil		1.4	15.8	11.4	50	<0.1	19.2	7.5	258	3.26	19.7	0.5	3.7	3.2	16	0.1	0.8	0.3	69	0.11	0.027
1262725	Soil		1.0	23.2	11.0	63	<0.1	33.9	12.6	388	3.42	7.1	0.8	8.7	2.9	60	0.2	0.5	0.3	97	0.45	0.119
1262746	Soil		0.8	18.6	11.4	42	0.3	10.5	5.2	185	2.45	8.1	0.9	5.6	0.9	23	<0.1	0.4	0.3	49	0.18	0.075
1262745	Soil		0.8	23.1	11.8	37	0.4	9.1	4.5	187	2.29	8.7	1.2	7.5	0.7	20	<0.1	0.5	0.3	48	0.18	0.069
1262721	Soil		0.9	25.1	9.6	57	<0.1	25.1	11.3	305	2.92	8.3	0.7	10.7	3.7	36	0.1	0.6	<0.1	80	0.31	0.067
1366396	Soil		2.6	14.9	39.0	55	0.2	16.7	10.8	415	3.17	31.0	0.9	18.8	2.7	78	0.3	0.7	1.6	67	0.53	0.138
1366418	Soil		0.7	9.8	31.1	88	0.1	11.1	15.1	713	3.12	10.9	0.8	23.0	1.6	80	0.6	0.6	0.3	76	1.43	0.148
1366393	Soil		1.5	22.5	21.6	56	0.2	16.1	11.2	447	2.99	6.2	1.1	22.1	2.8	99	0.2	0.4	0.3	81	0.33	0.078
1262724	Soil		1.0	22.8	12.2	59	<0.1	32.5	13.2	370	3.65	7.9	0.8	15.0	3.0	56	0.2	0.4	0.4	107	0.46	0.115
1366403	Soil		1.0	13.0	78.6	82	<0.1	17.4	15.8	564	4.61	12.0	0.5	2.2	1.6	37	0.6	0.5	0.2	114	0.44	0.119
1366399	Soil		1.2	17.7	17.9	55	0.1	20.5	8.7	368	3.01	11.5	0.5	1.6	1.5	41	0.3	0.6	0.2	68	0.22	0.059
1366407	Soil		2.3	242.0	92.4	127	1.9	8.6	46.6	1147	6.47	94.2	0.5	21.4	1.2	111	0.3	0.7	24.3	163	0.84	0.190
1366411	Soil		5.5	82.6	144.4	419	0.5	44.6	25.9	1142	5.53	385.3	2.7	10.0	6.8	136	2.5	20.3	1.3	58	0.44	0.063
1366414	Soil		4.6	23.4	28.7	84	<0.1	49.5	29.4	521	3.50	83.7	0.6	12.5	4.4	386	0.2	3.2	1.2	82	0.82	0.204
1366394	Soil		1.6	22.8	20.5	54	0.1	17.8	9.8	354	2.89	7.3	1.2	9.1	2.4	85	0.2	0.4	0.4	93	0.37	0.075
1366392	Soil		1.6	27.1	15.2	56	0.1	18.1	11.1	499	3.20	7.6	1.2	9.8	2.7	44	0.3	0.4	0.3	81	0.25	0.077
1366401	Soil		1.5	435.3	22.3	166	0.2	212.6	74.2	786	15.00	3.1	1.4	35.6	7.9	16	<0.1	0.4	0.2	197	0.28	0.040
1366395	Soil		3.9	23.4	42.2	78	0.4	15.5	13.1	541	3.22	57.6	1.1	28.8	1.5	147	0.3	0.8	3.4	71	0.54	0.122
1366409	Soil		1.5	24.2	21.0	60	<0.1	34.1	24.9	789	3.30	19.5	1.0	10.9	4.1	300	0.2	0.7	0.5	85	1.00	0.115
1366415	Soil		1.3	27.3	55.5	155	0.1	45.0	43.5	411	2.73	79.7	1.5	18.4	5.5	276	0.8	1.1	0.4	65	0.71	0.086
1366419	Soil		0.8	7.6	18.6	29	<0.1	8.5	5.6	236	1.76	5.1	0.4	5.5	1.0	250	0.2	0.2	0.1	48	1.06	0.059
1366398	Soil		0.7	13.6	19.9	52	<0.1	18.2	9.5	383	3.71	8.7	0.7	5.6	3.4	118	0.1	0.5	0.5	78	0.80	0.138
1366397	Soil		1.0	19.8	19.7	58	<0.1	24.7	10.9	462	3.36	11.5	0.7	8.8	4.2	40	0.2	0.6	0.5	84	0.33	0.067
1366405	Soil		1.1	7.0	22.7	78	0.2	11.3	15.0	1207	5.36	9.3	0.4	2.2	2.0	165	0.3	0.4	0.7	138	1.18	0.113

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1262747	Soil	10	20	0.47	204	0.044	<1	1.53	0.010	0.08	0.2	0.05	3.9	0.1	0.05	5	0.5	<0.2
1262733	Soil	11	23	0.19	125	0.061	<1	0.94	0.006	0.05	0.2	0.03	2.3	0.1	<0.05	6	<0.5	<0.2
1262732	Soil	9	33	0.60	137	0.060	<1	2.42	0.010	0.07	0.2	0.03	4.3	0.1	0.06	5	<0.5	<0.2
1262726	Soil	15	46	0.67	229	0.081	<1	1.61	0.023	0.11	0.2	0.03	4.8	<0.1	<0.05	5	<0.5	<0.2
1366404	Soil	41	18	1.41	154	0.014	<1	2.45	0.014	0.06	0.2	0.01	11.6	0.1	<0.05	8	<0.5	<0.2
1262739	Soil	11	20	0.39	137	0.034	<1	1.29	0.011	0.07	0.1	0.02	1.5	0.1	<0.05	6	<0.5	<0.2
1262734	Soil	12	31	0.50	168	0.051	1	1.95	0.013	0.09	0.2	0.03	3.9	0.1	<0.05	7	<0.5	<0.2
1262725	Soil	13	64	1.03	261	0.102	1	2.02	0.023	0.16	0.2	0.03	4.4	0.2	0.08	7	<0.5	<0.2
1262746	Soil	11	21	0.46	236	0.035	<1	1.75	0.010	0.09	0.1	0.05	4.4	0.2	0.05	6	<0.5	<0.2
1262745	Soil	11	17	0.47	209	0.031	<1	1.69	0.011	0.09	0.1	0.10	4.1	0.1	0.05	6	<0.5	<0.2
1262721	Soil	13	35	0.65	196	0.106	2	1.87	0.015	0.07	0.3	0.04	3.5	<0.1	0.07	5	<0.5	<0.2
1366396	Soil	15	24	0.63	246	0.042	<1	1.66	0.019	0.06	0.5	0.01	3.4	0.1	<0.05	5	<0.5	<0.2
1366418	Soil	17	18	0.92	349	0.030	5	1.69	0.015	0.07	0.1	0.05	6.4	<0.1	0.06	6	<0.5	<0.2
1366393	Soil	13	33	0.60	232	0.094	2	1.65	0.025	0.08	0.3	0.02	3.1	<0.1	<0.05	5	0.8	<0.2
1262724	Soil	14	63	1.03	251	0.112	2	1.98	0.018	0.16	0.2	0.03	4.8	0.2	<0.05	7	<0.5	<0.2
1366403	Soil	10	28	1.07	102	0.077	3	2.23	0.014	0.06	0.1	0.04	5.2	0.1	<0.05	7	<0.5	<0.2
1366399	Soil	10	29	0.51	199	0.058	2	2.41	0.011	0.05	0.2	0.07	3.1	0.1	<0.05	6	<0.5	<0.2
1366407	Soil	11	23	1.94	162	0.126	2	3.23	0.020	0.30	0.2	0.10	12.3	0.7	0.20	11	1.6	0.4
1366411	Soil	27	36	0.70	340	0.059	2	2.15	0.031	0.29	<0.1	0.05	6.0	1.0	0.15	6	1.2	<0.2
1366414	Soil	14	28	0.94	266	0.041	2	1.85	0.016	0.25	0.5	0.01	5.0	0.5	<0.05	6	<0.5	<0.2
1366394	Soil	13	35	0.74	228	0.097	2	1.84	0.027	0.07	0.2	0.03	3.4	0.1	<0.05	6	<0.5	<0.2
1366392	Soil	12	31	0.60	196	0.089	3	1.88	0.019	0.08	0.2	0.03	3.8	0.1	0.07	7	<0.5	<0.2
1366401	Soil	18	583	0.14	158	0.168	4	4.00	0.012	0.06	<0.1	0.04	40.2	<0.1	<0.05	20	<0.5	<0.2
1366395	Soil	17	22	0.62	257	0.027	1	2.28	0.031	0.08	0.2	0.05	3.3	0.3	0.08	7	1.0	0.2
1366409	Soil	19	28	0.71	214	0.050	2	2.11	0.024	0.16	0.3	0.04	5.2	0.3	<0.05	5	0.7	<0.2
1366415	Soil	20	38	0.64	301	0.058	2	2.47	0.037	0.14	0.2	0.03	4.8	0.3	<0.05	6	<0.5	<0.2
1366419	Soil	12	17	0.40	434	0.032	2	1.03	0.012	0.05	0.2	0.04	2.9	<0.1	<0.05	5	<0.5	<0.2
1366398	Soil	14	29	0.73	311	0.061	2	1.91	0.029	0.05	0.2	0.03	5.0	0.1	<0.05	5	<0.5	<0.2
1366397	Soil	16	36	0.63	254	0.088	3	2.04	0.017	0.05	0.3	0.06	4.2	0.1	<0.05	5	<0.5	<0.2
1366405	Soil	12	22	2.14	135	0.074	2	3.30	0.024	0.19	<0.1	0.04	15.3	0.5	<0.05	10	<0.5	<0.2

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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1366406	Soil	1.8	64.8	15.2	48	0.3	10.4	10.7	448	2.56	8.2	0.7	10.1	0.8	101	0.1	0.3	6.0	87	1.41	0.120
1366410	Soil	0.9	20.0	20.6	73	0.2	7.6	9.5	987	4.75	8.8	0.3	12.4	0.6	237	0.2	0.3	1.4	123	1.18	0.200
1366420	Soil	0.5	7.9	17.5	53	<0.1	13.3	8.4	335	2.83	7.1	0.5	111.9	2.0	56	0.1	0.4	0.2	63	0.54	0.122
1366402	Soil	1.2	12.7	15.7	57	<0.1	16.9	8.6	332	4.03	11.6	0.5	1.6	2.1	34	0.2	0.6	0.2	95	0.32	0.073
1366400	Soil	0.8	16.6	16.2	64	<0.1	21.3	9.6	337	3.56	10.6	0.6	4.6	3.2	38	0.1	0.6	0.2	84	0.39	0.111
1366408	Soil	1.6	15.1	20.0	61	0.2	9.0	17.9	981	3.73	6.9	0.5	15.4	0.8	118	0.2	0.3	0.4	93	1.45	0.151
1366417	Soil	2.7	21.6	41.5	51	0.2	16.1	13.4	448	2.41	24.2	3.5	15.9	2.0	53	0.2	0.9	0.3	38	1.03	0.102
1366413	Soil	9.7	69.8	53.2	187	0.3	22.1	27.0	759	5.55	160.4	0.8	6.7	3.2	542	1.0	4.7	1.3	122	0.93	0.127
1366416	Soil	1.3	18.6	29.2	58	0.1	20.8	19.7	467	2.08	96.1	1.3	31.7	2.3	271	0.3	1.2	0.7	38	1.39	0.076
1366412	Soil	2.2	18.4	40.0	41	<0.1	9.8	12.9	267	1.12	109.3	0.9	3.0	7.4	1074	0.2	2.6	0.5	14	0.75	0.028



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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL	MDL
1366406	Soil	14	22	0.88	172	0.042	3	1.87	0.014	0.07	<0.1	0.10	8.0	0.3	0.18	6	1.0	<0.2
1366410	Soil	7	19	1.39	175	0.036	2	3.41	0.019	0.12	<0.1	0.08	7.7	0.2	<0.05	10	<0.5	<0.2
1366420	Soil	37	22	0.61	432	0.025	2	1.67	0.012	0.05	0.2	0.03	3.9	<0.1	<0.05	5	<0.5	<0.2
1366402	Soil	10	29	0.82	160	0.106	2	2.29	0.011	0.08	0.2	0.04	4.7	0.2	<0.05	8	0.6	<0.2
1366400	Soil	12	30	0.80	167	0.088	2	2.20	0.014	0.06	0.2	0.03	4.8	0.2	<0.05	6	<0.5	<0.2
1366408	Soil	7	17	1.16	150	0.043	2	2.36	0.016	0.09	<0.1	0.07	7.6	0.3	0.08	7	<0.5	<0.2
1366417	Soil	23	24	0.36	375	0.014	3	1.47	0.013	0.07	0.1	0.09	4.0	0.1	<0.05	4	<0.5	<0.2
1366413	Soil	14	41	1.36	552	0.133	1	3.67	0.030	0.80	<0.1	0.03	10.3	1.3	0.11	10	0.6	0.8
1366416	Soil	16	24	0.37	397	0.018	2	1.43	0.016	0.11	0.2	0.05	3.2	0.2	0.06	4	0.6	<0.2
1366412	Soil	16	10	0.33	857	0.002	<1	2.41	0.019	0.08	<0.1	0.01	1.3	0.5	<0.05	4	<0.5	<0.2



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QUALITY CONTROL REPORT

DAW12000260.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
1365718	Soil	1.7	30.9	37.5	86	0.4	13.4	16.5	820	2.56	28.8	1.0	18.1	1.0	98	0.3	0.8	1.5	63	0.79	0.105
REP 1365718	QC	1.7	30.2	35.3	82	0.4	13.9	17.1	801	2.50	22.8	1.0	13.5	0.9	94	0.3	0.7	1.6	60	0.73	0.102
1366714	Soil	1.5	42.8	15.5	47	0.1	19.6	12.1	273	2.88	4.8	1.4	3.9	3.8	146	0.1	0.4	0.2	91	0.77	0.105
REP 1366714	QC	1.7	41.5	15.1	44	<0.1	19.3	12.2	264	2.84	4.7	1.4	3.9	3.7	143	0.2	0.4	0.2	87	0.74	0.108
1366724	Soil	1.0	52.8	20.3	59	0.2	11.2	14.3	638	4.50	29.4	0.4	28.3	1.7	346	0.2	0.3	3.0	126	1.92	0.257
REP 1366724	QC	1.0	52.1	20.8	59	0.2	11.1	14.3	654	4.62	29.1	0.4	16.1	1.7	339	0.1	0.3	3.5	128	1.91	0.262
1366735	Soil	7.0	23.5	41.7	69	1.0	16.9	7.7	244	3.42	602.3	0.8	31.8	1.3	34	0.4	15.1	6.3	55	0.10	0.065
REP 1366735	QC	7.3	23.5	41.3	73	1.0	17.4	7.9	253	3.46	623.3	0.8	32.4	1.4	33	0.4	15.2	5.9	57	0.10	0.065
1263038	Soil	1.0	27.2	14.5	56	<0.1	25.2	11.4	358	2.90	7.7	1.0	3.4	3.7	30	0.1	0.5	0.1	79	0.26	0.065
REP 1263038	QC	1.0	26.8	14.0	56	<0.1	24.7	11.4	365	2.91	7.5	0.9	5.4	3.6	31	0.2	0.5	0.2	77	0.26	0.065
1263076	Soil	0.6	16.9	6.8	42	0.1	12.3	5.9	192	2.08	5.7	0.5	1.2	1.5	13	0.1	0.5	0.1	47	0.17	0.034
REP 1263076	QC	0.6	16.6	6.8	41	0.1	12.9	5.8	189	2.04	5.9	0.5	1.5	1.5	13	0.1	0.4	0.1	45	0.17	0.034
1369515	Soil	1.0	24.1	17.8	57	<0.1	16.2	16.0	396	4.92	12.4	0.4	4.0	2.4	69	0.3	0.7	0.2	122	0.54	0.148
REP 1369515	QC	1.0	22.9	17.4	55	<0.1	14.9	14.8	364	4.71	11.2	0.4	3.7	2.3	67	0.2	0.7	0.2	116	0.52	0.137
1369510	Soil	1.9	11.7	23.9	60	0.2	13.5	8.4	421	2.58	7.9	1.0	15.4	0.6	91	0.4	0.4	0.6	67	0.40	0.106
REP 1369510	QC	1.8	11.4	24.0	60	0.2	12.5	8.2	416	2.55	7.5	1.0	21.6	0.6	91	0.3	0.4	0.6	66	0.40	0.108
1262937	Soil	1.6	34.5	19.6	53	0.1	16.4	10.0	268	2.59	7.5	1.7	23.0	2.3	67	0.4	0.4	0.5	67	0.33	0.072
REP 1262937	QC	1.6	31.5	18.9	45	0.1	15.1	8.9	244	2.34	6.6	1.5	13.0	2.4	66	0.4	0.4	0.5	61	0.29	0.068
1262950	Soil	1.2	34.1	18.5	62	0.2	19.6	18.9	401	4.12	16.8	0.9	11.1	2.1	30	0.3	0.6	0.5	109	0.29	0.046
REP 1262950	QC	1.1	35.8	19.6	64	0.3	20.7	18.5	406	4.40	17.3	0.9	13.6	2.1	30	0.3	0.6	0.5	114	0.29	0.045
1266465	Soil	2.3	17.7	48.1	33	<0.1	10.8	7.7	138	1.31	65.7	2.1	22.0	4.0	13	0.1	2.1	0.7	18	0.04	0.042
REP 1266465	QC	2.3	17.2	48.1	33	<0.1	11.3	8.0	135	1.31	66.9	2.1	25.2	4.0	13	0.2	2.2	0.7	18	0.04	0.041
1266483	Soil	0.8	18.0	8.8	52	0.1	12.1	7.0	329	2.63	10.3	0.5	1.8	2.4	10	0.1	0.6	0.1	48	0.10	0.034
REP 1266483	QC	0.7	16.5	8.4	48	<0.1	11.2	6.7	305	2.43	9.7	0.4	1.5	2.2	9	0.1	0.5	0.1	46	0.10	0.031
1262732	Soil	1.3	21.9	10.5	67	0.1	27.9	11.9	239	3.17	17.1	0.6	6.6	3.1	16	0.3	0.8	0.2	65	0.14	0.033
REP 1262732	QC	1.5	22.0	10.1	66	<0.1	27.0	11.7	236	3.15	17.9	0.5	2.4	2.8	16	0.3	0.8	0.2	62	0.14	0.031
1366396	Soil	2.6	14.9	39.0	55	0.2	16.7	10.8	415	3.17	31.0	0.9	18.8	2.7	78	0.3	0.7	1.6	67	0.53	0.138
REP 1366396	QC	2.4	14.1	39.9	56	0.2	16.5	10.3	411	3.11	30.7	0.8	11.5	2.8	74	0.2	0.8	1.7	65	0.50	0.141

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Project: CHA
 Report Date: August 31, 2012

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QUALITY CONTROL REPORT

DAW12000260.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
1365718	Soil	12	24	0.66	268	0.035	1	1.74	0.013	0.10	0.1	0.06	4.5	0.5	<0.05	6	0.5	<0.2
REP 1365718	QC	11	24	0.61	249	0.033	1	1.66	0.012	0.10	<0.1	0.07	4.3	0.4	<0.05	6	<0.5	<0.2
1366714	Soil	11	40	0.77	189	0.083	<1	2.22	0.072	0.14	0.2	<0.01	2.6	0.2	<0.05	6	<0.5	<0.2
REP 1366714	QC	11	39	0.76	190	0.080	<1	2.28	0.072	0.15	0.1	<0.01	2.5	0.2	<0.05	6	<0.5	<0.2
1366724	Soil	11	19	1.14	96	0.026	<1	3.00	0.084	0.09	0.1	0.02	7.5	0.2	<0.05	8	0.5	<0.2
REP 1366724	QC	11	19	1.16	93	0.030	<1	3.09	0.084	0.09	0.1	0.02	7.8	0.2	0.08	8	<0.5	<0.2
1366735	Soil	8	26	0.32	162	0.040	<1	1.34	0.013	0.15	0.4	0.07	1.8	1.1	0.34	5	1.9	<0.2
REP 1366735	QC	8	28	0.31	170	0.042	<1	1.31	0.012	0.16	0.4	0.06	2.0	1.1	0.33	5	1.6	<0.2
1263038	Soil	14	37	0.68	181	0.088	1	1.83	0.013	0.08	0.3	0.03	3.2	0.1	<0.05	6	<0.5	<0.2
REP 1263038	QC	14	36	0.65	179	0.086	1	1.74	0.012	0.08	0.2	0.03	3.1	0.2	<0.05	5	<0.5	<0.2
1263076	Soil	10	23	0.43	137	0.049	<1	1.28	0.007	0.07	0.1	0.03	3.0	0.1	<0.05	5	<0.5	<0.2
REP 1263076	QC	10	22	0.42	138	0.047	<1	1.28	0.008	0.07	0.1	0.02	3.0	0.1	<0.05	4	<0.5	<0.2
1369515	Soil	13	25	0.96	154	0.208	1	2.29	0.031	0.28	0.1	0.03	4.9	0.5	0.07	8	<0.5	<0.2
REP 1369515	QC	13	21	0.89	155	0.203	<1	2.14	0.028	0.27	0.1	0.03	4.9	0.5	0.06	8	<0.5	<0.2
1369510	Soil	12	21	0.53	213	0.041	2	1.80	0.018	0.07	0.1	0.06	2.5	0.1	0.10	6	0.5	<0.2
REP 1369510	QC	11	21	0.53	210	0.039	1	1.78	0.019	0.07	0.1	0.06	2.3	0.1	0.10	6	0.7	<0.2
1262937	Soil	11	28	0.48	151	0.079	<1	1.66	0.022	0.06	0.2	0.04	3.1	0.1	<0.05	6	0.6	0.2
REP 1262937	QC	11	25	0.45	147	0.071	<1	1.58	0.020	0.05	0.2	0.03	2.7	0.1	<0.05	5	<0.5	0.3
1262950	Soil	9	26	0.87	193	0.090	1	1.93	0.015	0.17	0.2	0.02	7.9	0.3	<0.05	7	<0.5	<0.2
REP 1262950	QC	9	27	0.87	195	0.087	2	1.94	0.015	0.17	0.2	0.05	7.8	0.2	0.06	7	<0.5	0.2
1266465	Soil	13	7	0.06	94	0.002	<1	0.35	0.002	0.05	0.6	0.02	1.7	<0.1	<0.05	<1	<0.5	<0.2
REP 1266465	QC	13	7	0.06	94	0.003	<1	0.35	0.002	0.05	0.6	<0.01	1.7	<0.1	<0.05	<1	<0.5	<0.2
1266483	Soil	8	20	0.46	113	0.077	<1	1.47	0.006	0.10	0.1	0.01	3.9	0.1	<0.05	6	<0.5	<0.2
REP 1266483	QC	8	19	0.43	105	0.074	<1	1.37	0.005	0.09	0.1	0.01	3.7	0.1	<0.05	5	<0.5	<0.2
1262732	Soil	9	33	0.60	137	0.060	<1	2.42	0.010	0.07	0.2	0.03	4.3	0.1	0.06	5	<0.5	<0.2
REP 1262732	QC	9	34	0.59	138	0.061	3	2.42	0.010	0.08	0.2	0.03	4.3	0.1	<0.05	6	<0.5	0.2
1366396	Soil	15	24	0.63	246	0.042	<1	1.66	0.019	0.06	0.5	0.01	3.4	0.1	<0.05	5	<0.5	<0.2
REP 1366396	QC	15	24	0.62	247	0.043	2	1.61	0.019	0.05	0.4	0.01	3.5	0.2	0.06	5	<0.5	<0.2

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: CHA
 Report Date: August 31, 2012

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QUALITY CONTROL REPORT

DAW12000260.1

		1DX15 Mo ppm 0.1	1DX15 Cu ppm 0.1	1DX15 Pb ppm 0.1	1DX15 Zn ppm 1	1DX15 Ag ppm 0.1	1DX15 Ni ppm 0.1	1DX15 Co ppm 0.1	1DX15 Mn ppm 1	1DX15 Fe % 0.01	1DX15 As ppm 0.5	1DX15 U ppm 0.1	1DX15 Au ppb 0.5	1DX15 Th ppm 0.1	1DX15 Sr ppm 1	1DX15 Cd ppm 0.1	1DX15 Sb ppm 0.1	1DX15 Bi ppm 0.1	1DX15 V ppm 2	1DX15 Ca % 0.01	1DX15 P % 0.001
1366400	Soil	0.8	16.6	16.2	64	<0.1	21.3	9.6	337	3.56	10.6	0.6	4.6	3.2	38	0.1	0.6	0.2	84	0.39	0.111
REP 1366400	QC	0.8	17.8	16.2	66	<0.1	21.9	9.9	335	3.57	10.5	0.6	5.2	3.2	38	0.1	0.6	0.2	89	0.43	0.106
Reference Materials																					
STD DS9	Standard	13.5	116.7	131.1	306	1.7	43.8	8.3	562	2.30	24.7	2.8	125.9	6.5	70	2.6	5.6	6.5	46	0.69	0.082
STD DS9	Standard	13.9	108.7	124.0	311	1.8	42.4	8.0	593	2.39	24.6	2.5	113.4	6.1	66	2.3	5.6	5.8	44	0.72	0.080
STD DS9	Standard	13.1	105.2	122.4	317	1.7	39.8	7.5	607	2.38	25.6	2.8	116.2	6.3	79	2.3	6.2	6.3	41	0.73	0.079
STD DS9	Standard	11.6	101.1	120.9	300	1.8	37.8	7.2	558	2.16	25.2	2.6	128.7	6.0	69	2.4	6.1	6.0	39	0.66	0.082
STD DS9	Standard	13.9	116.0	124.8	299	1.7	42.3	8.1	560	2.26	24.8	2.8	119.2	6.9	73	2.4	5.5	6.2	46	0.74	0.076
STD DS9	Standard	13.4	119.2	124.6	307	1.8	45.6	8.4	602	2.37	26.9	2.7	125.1	6.3	67	2.5	5.6	6.5	47	0.71	0.081
STD DS9	Standard	13.6	111.5	127.0	325	1.9	42.9	7.6	619	2.56	26.7	3.1	114.7	7.4	78	2.4	6.1	6.8	44	0.73	0.076
STD DS9	Standard	12.9	111.7	125.4	314	1.9	39.8	7.7	568	2.28	26.4	3.1	114.0	7.1	73	2.6	6.2	7.3	44	0.72	0.077
STD DS9 Expected		12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	0.3	0.2	<1	<0.1	<0.1	<0.1	<1	0.02	0.8	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: CHA
 Report Date: August 31, 2012

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QUALITY CONTROL REPORT

DAW12000260.1

		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
1366400	Soil	12	30	0.80	167	0.088	2	2.20	0.014	0.06	0.2	0.03	4.8	0.2	<0.05	6	<0.5	<0.2
REP 1366400	QC	12	31	0.76	174	0.094	3	2.05	0.013	0.06	0.2	0.03	5.2	0.1	<0.05	6	<0.5	<0.2
Reference Materials																		
STD DS9	Standard	12	129	0.63	289	0.115	2	0.96	0.108	0.37	3.1	0.20	2.8	5.4	0.19	5	5.1	4.7
STD DS9	Standard	12	131	0.62	276	0.106	3	0.89	0.080	0.34	3.1	0.21	2.2	5.6	0.18	5	5.3	5.4
STD DS9	Standard	14	124	0.66	307	0.113	5	0.95	0.088	0.37	3.2	0.22	2.8	5.3	0.17	5	5.7	5.5
STD DS9	Standard	11	116	0.60	278	0.097	2	0.88	0.081	0.34	2.7	0.18	2.4	5.4	0.07	4	5.9	4.5
STD DS9	Standard	14	128	0.60	302	0.123	2	0.94	0.094	0.34	3.0	0.21	2.5	5.3	0.21	5	5.4	4.7
STD DS9	Standard	12	135	0.61	290	0.117	2	0.89	0.086	0.36	2.9	0.21	2.4	5.4	0.18	4	5.4	5.1
STD DS9	Standard	14	126	0.63	299	0.126	2	0.99	0.088	0.34	3.2	0.23	2.7	5.3	0.10	5	5.2	5.4
STD DS9	Standard	14	122	0.64	320	0.124	4	0.91	0.083	0.34	3.2	0.22	2.7	5.6	0.12	5	5.0	5.5
STD DS9 Expected		13.3	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	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	0.07	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Andy Randell
Receiving Lab: Canada-Dawson City
Received: August 22, 2012
Report Date: September 02, 2012
Page: 1 of 12

CERTIFICATE OF ANALYSIS

DAW12000268.1

CLIENT JOB INFORMATION

Project: CHA
Shipment ID:
P.O. Number
Number of Samples: 320

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
RTRN-RJT Return

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

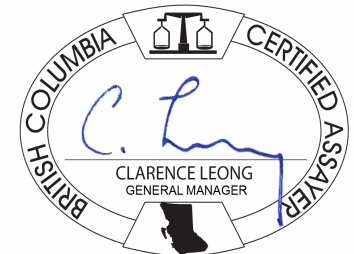
Invoice To: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Dave Schmidt
Isaac Fage

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			DAW
SS80	320	Dry at 60C sieve 100g to -80 mesh			DAW
RJSV	320	Saving all or part of Soil Reject			DAW
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: CHA
 Report Date: September 02, 2012

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Part: 1 of 2

CERTIFICATE OF ANALYSIS

DAW12000268.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit	MDL	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1263450	Soil	2.3	42.4	14.2	61	0.1	22.0	13.5	573	3.56	15.0	1.6	25.2	4.1	81	0.3	0.7	0.4	93	0.50	0.088
1278167	Soil	0.7	19.5	17.7	61	<0.1	10.1	8.9	809	2.74	8.8	0.7	6.2	3.7	9	0.3	1.0	0.2	34	0.12	0.036
1278171	Soil	0.9	15.7	11.9	62	<0.1	12.8	8.8	519	3.21	8.3	0.4	4.5	2.9	9	0.3	0.6	0.2	58	0.11	0.037
1278153	Soil	3.5	36.6	15.4	63	0.1	18.0	13.8	529	3.44	11.7	1.2	7.6	2.7	87	0.1	0.7	0.3	97	0.48	0.098
1278164	Soil	1.6	20.3	7.8	37	0.1	10.0	8.7	388	2.78	24.0	0.6	6.6	2.3	9	0.1	1.5	0.2	60	0.07	0.038
1278165	Soil	0.7	18.7	6.2	40	<0.1	12.0	6.5	262	2.40	15.1	0.6	4.0	2.2	12	0.1	0.9	0.2	40	0.10	0.026
1278169	Soil	0.8	17.5	9.0	51	<0.1	14.8	6.7	312	2.60	8.7	0.6	4.4	1.8	13	0.2	0.5	<0.1	53	0.16	0.041
1278154	Soil	1.5	29.0	29.2	55	0.2	17.7	15.0	520	3.46	20.4	1.0	21.7	2.0	58	0.2	0.7	0.4	95	0.33	0.072
1263446	Soil	1.5	58.6	18.0	61	0.1	18.6	14.0	514	3.43	5.1	1.8	40.2	5.4	285	0.3	0.3	0.1	95	0.91	0.113
1278166	Soil	1.1	26.5	8.4	55	0.1	19.2	9.2	398	2.95	17.4	0.9	3.5	2.8	16	0.1	1.0	0.2	58	0.20	0.043
1263449	Soil	0.6	3.8	2.5	16	<0.1	2.1	1.7	69	0.94	1.6	0.2	2.6	0.2	9	<0.1	0.1	<0.1	30	0.06	0.017
1278172	Soil	0.7	22.5	8.3	55	<0.1	17.9	8.7	420	2.62	6.8	0.8	2.4	3.5	18	<0.1	0.5	<0.1	51	0.20	0.036
1278156	Soil	1.3	17.3	21.2	56	0.1	13.2	9.4	380	2.79	21.2	1.0	14.9	3.3	19	0.2	0.8	0.4	43	0.16	0.053
1278152	Soil	3.0	35.5	16.8	46	0.2	16.3	8.7	315	2.89	15.0	1.5	20.3	0.7	64	0.2	0.6	0.2	66	0.38	0.108
1263443	Soil	1.6	36.3	20.0	69	<0.1	22.4	14.0	353	3.71	7.5	1.0	12.7	4.3	68	0.3	0.4	0.3	114	0.41	0.070
1263447	Soil	2.8	35.3	14.5	48	0.2	14.3	8.0	196	2.91	6.9	1.0	59.0	2.0	76	0.2	0.3	0.3	94	0.49	0.082
1278158	Soil	0.8	15.9	7.5	53	0.2	12.9	7.4	308	2.84	9.4	0.7	21.2	2.6	16	0.2	0.5	0.1	41	0.17	0.056
1278162	Soil	1.0	21.1	10.2	58	0.1	20.3	9.3	616	2.96	12.8	0.7	4.2	1.2	16	0.1	0.7	0.2	56	0.15	0.055
1278155	Soil	1.4	13.0	34.7	36	0.1	8.3	6.7	167	2.37	34.1	0.6	9.9	2.1	17	0.1	1.0	0.5	56	0.06	0.038
1278157	Soil	0.9	11.9	8.6	35	0.1	7.1	4.9	300	2.48	9.3	0.4	2.6	1.8	8	0.2	0.3	0.2	41	0.06	0.044
1287011	Soil	1.3	30.1	12.5	48	0.2	20.4	9.9	253	2.86	5.4	3.4	620.6	3.2	59	0.1	0.3	0.2	113	0.41	0.093
1278159	Soil	0.8	17.1	7.6	37	<0.1	11.9	5.8	258	2.47	17.3	0.6	8.4	2.3	12	0.3	0.8	0.3	50	0.11	0.028
1278168	Soil	0.6	23.0	13.1	65	<0.1	12.6	9.4	724	3.26	7.2	0.7	4.7	3.7	12	0.2	0.8	<0.1	49	0.14	0.041
1263445	Soil	0.9	53.8	17.9	55	<0.1	14.2	16.3	520	4.16	3.3	0.8	37.0	5.6	153	0.3	0.3	0.1	136	0.87	0.123
1287024	Soil	1.8	62.0	18.6	50	0.2	14.9	10.3	339	2.33	4.8	1.3	17.9	1.9	52	0.2	0.3	0.2	67	0.28	0.070
1263448	Soil	1.3	43.7	15.4	58	<0.1	20.5	14.4	426	3.52	6.9	1.1	58.9	4.8	84	0.2	0.4	0.2	120	0.54	0.083
1278170	Soil	1.1	14.2	9.2	48	<0.1	12.6	7.1	423	2.71	8.2	0.4	2.4	1.0	10	0.2	0.5	0.1	57	0.09	0.052
1369263	Soil	1.1	32.1	14.8	58	0.1	12.8	10.5	537	3.20	6.2	1.6	3.7	5.5	55	0.2	0.4	0.4	73	0.77	0.034
1278163	Soil	0.7	22.3	8.2	39	<0.1	11.8	8.3	329	2.78	21.3	0.7	4.4	3.3	9	0.1	1.0	0.2	38	0.06	0.031
1287017	Soil	1.1	26.0	14.2	49	0.1	20.7	11.2	355	3.11	5.1	0.9	6.5	3.6	77	0.1	0.3	0.2	120	0.47	0.097

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Project: CHA
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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1263450	Soil	18	27	0.70	335	0.062	<1	1.97	0.027	0.10	0.3	0.09	5.2	0.2	<0.05	6	<0.5	<0.2
1278167	Soil	16	15	0.61	162	0.077	<1	1.51	0.008	0.29	0.2	0.07	5.1	0.2	<0.05	5	<0.5	<0.2
1278171	Soil	10	22	0.61	110	0.093	<1	1.96	0.007	0.20	0.2	0.07	4.9	0.2	<0.05	7	<0.5	<0.2
1278153	Soil	15	29	0.75	278	0.049	<1	2.37	0.031	0.07	0.4	0.08	4.4	0.2	<0.05	7	0.6	<0.2
1278164	Soil	12	19	0.25	119	0.039	<1	1.24	0.006	0.09	0.2	0.05	3.1	0.1	<0.05	6	<0.5	<0.2
1278165	Soil	12	18	0.38	121	0.037	<1	1.36	0.010	0.09	0.2	0.06	3.1	0.1	<0.05	4	<0.5	<0.2
1278169	Soil	13	26	0.57	110	0.064	2	1.61	0.008	0.10	0.2	0.06	3.8	0.1	<0.05	6	<0.5	<0.2
1278154	Soil	11	31	0.70	277	0.058	1	1.93	0.029	0.10	0.5	0.06	7.0	0.2	0.08	6	<0.5	<0.2
1263446	Soil	22	28	1.10	250	0.122	<1	2.79	0.048	0.17	0.3	0.08	6.7	0.2	<0.05	8	<0.5	<0.2
1278166	Soil	14	30	0.57	209	0.046	<1	1.77	0.010	0.09	0.2	0.06	5.1	0.1	<0.05	6	<0.5	<0.2
1263449	Soil	3	7	0.08	22	0.045	<1	0.31	0.019	0.03	<0.1	0.04	0.9	<0.1	<0.05	3	<0.5	<0.2
1278172	Soil	14	25	0.68	198	0.106	3	1.60	0.018	0.15	0.1	0.04	5.8	0.1	<0.05	5	<0.5	<0.2
1278156	Soil	14	19	0.48	177	0.049	<1	1.43	0.019	0.19	0.2	0.06	4.6	0.2	<0.05	5	<0.5	<0.2
1278152	Soil	17	24	0.50	317	0.022	<1	1.92	0.023	0.06	0.3	0.07	3.3	0.2	<0.05	6	0.5	<0.2
1263443	Soil	13	38	0.74	161	0.141	<1	1.85	0.020	0.11	0.4	0.07	3.5	0.1	<0.05	7	<0.5	<0.2
1263447	Soil	11	26	0.69	173	0.069	<1	1.85	0.021	0.06	0.3	0.05	4.5	0.1	<0.05	7	<0.5	<0.2
1278158	Soil	12	19	0.50	164	0.071	<1	1.29	0.013	0.19	0.2	0.05	3.8	0.1	<0.05	5	<0.5	<0.2
1278162	Soil	11	28	0.49	154	0.050	2	1.78	0.015	0.10	0.2	0.11	3.1	0.1	<0.05	5	<0.5	<0.2
1278155	Soil	9	14	0.32	79	0.032	2	1.12	0.016	0.10	0.4	0.05	3.7	0.1	<0.05	4	<0.5	<0.2
1278157	Soil	11	13	0.24	76	0.047	1	1.17	0.010	0.11	0.2	0.07	3.1	0.1	<0.05	5	<0.5	<0.2
1287011	Soil	13	57	0.68	179	0.102	<1	1.43	0.020	0.08	0.3	0.04	3.0	0.1	<0.05	5	0.5	<0.2
1278159	Soil	11	21	0.31	78	0.055	<1	0.96	0.011	0.08	0.1	0.02	2.7	0.1	<0.05	4	<0.5	<0.2
1278168	Soil	18	29	0.74	161	0.131	<1	1.82	0.008	0.45	0.2	0.05	7.1	0.2	<0.05	7	<0.5	<0.2
1263445	Soil	21	29	1.43	119	0.058	<1	3.55	0.033	0.16	<0.1	0.04	9.2	0.1	<0.05	10	<0.5	<0.2
1287024	Soil	12	31	0.63	199	0.069	1	1.76	0.019	0.07	0.2	0.06	3.8	0.2	<0.05	6	<0.5	<0.2
1263448	Soil	16	34	0.73	268	0.090	<1	2.19	0.033	0.11	0.2	0.02	4.6	0.1	<0.05	7	<0.5	<0.2
1278170	Soil	8	23	0.47	79	0.067	<1	1.51	0.009	0.12	0.1	0.04	3.2	<0.1	<0.05	6	0.5	<0.2
1369263	Soil	16	34	1.03	166	0.052	<1	2.37	0.010	0.11	0.2	0.04	8.2	0.2	<0.05	9	<0.5	<0.2
1278163	Soil	13	20	0.38	89	0.046	<1	1.28	0.010	0.16	0.1	0.05	3.4	0.1	<0.05	5	<0.5	<0.2
1287017	Soil	13	50	0.67	229	0.096	<1	1.57	0.025	0.10	0.2	0.03	2.7	0.1	<0.05	5	<0.5	<0.2

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 Report Date: September 02, 2012

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Method	Analyte	Unit	MDL	1DX15 Mo	1DX15 Cu	1DX15 Pb	1DX15 Zn	1DX15 Ag	1DX15 Ni	1DX15 Co	1DX15 Mn	1DX15 Fe	1DX15 As	1DX15 U	1DX15 Au	1DX15 Th	1DX15 Sr	1DX15 Cd	1DX15 Sb	1DX15 Bi	1DX15 V	1DX15 Ca	1DX15 P
				ppm	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1369254	Soil			1.8	11.9	19.6	37	0.1	11.2	4.9	171	2.30	17.0	0.5	4.7	2.6	26	0.1	0.7	0.3	81	0.14	0.024
1278173	Soil			0.6	14.5	8.8	52	<0.1	13.7	10.3	471	2.86	6.9	0.5	3.3	3.3	12	0.2	0.5	<0.1	48	0.16	0.043
1369261	Soil			17.8	24.8	30.8	78	0.3	13.6	10.3	643	2.67	13.0	2.9	4.5	7.9	88	0.3	0.5	1.0	65	0.69	0.085
1287016	Soil			1.1	27.8	14.6	50	<0.1	22.1	10.4	316	2.91	6.0	1.0	9.4	3.9	58	<0.1	0.3	0.1	98	0.37	0.089
1287012	Soil			1.0	24.6	11.7	47	0.1	24.1	9.8	238	2.68	4.9	1.0	5.9	3.6	58	0.1	0.3	0.1	101	0.43	0.095
1369262	Soil			3.6	42.4	32.4	74	0.4	8.2	8.2	450	2.88	12.2	2.0	2.4	8.1	73	0.4	0.5	0.7	68	0.65	0.043
1263444	Soil			1.4	43.1	17.1	61	0.1	22.8	14.6	524	4.01	8.8	1.6	77.7	6.7	101	0.2	0.5	0.6	133	0.54	0.092
1278161	Soil			0.7	21.0	9.9	33	0.2	9.2	3.9	133	2.86	40.2	0.5	7.4	2.8	7	0.1	1.8	0.8	33	0.06	0.033
1369253	Soil			2.2	22.3	23.1	75	0.2	9.5	5.7	251	2.15	16.5	1.2	2.8	1.8	47	0.4	0.6	0.4	60	0.17	0.051
1369264	Soil			3.0	34.4	21.4	77	0.2	12.2	9.8	363	3.01	11.6	3.2	4.1	6.3	55	0.4	0.5	2.7	66	0.72	0.048
1287015	Soil			1.6	25.2	20.2	45	<0.1	20.1	10.1	389	2.64	4.1	1.1	8.7	4.0	98	0.3	0.4	0.3	104	0.55	0.117
1278151	Soil			2.4	24.5	2.4	41	0.3	22.7	10.3	407	2.38	4.8	0.3	2.2	0.9	41	0.2	0.3	<0.1	62	0.82	0.057
1287013	Soil			1.0	23.1	11.2	45	<0.1	22.1	9.0	214	2.55	4.3	1.0	13.0	2.4	53	0.1	0.3	0.2	89	0.41	0.087
1278160	Soil			0.9	31.3	11.0	42	0.1	11.9	5.3	183	2.97	31.0	0.6	6.6	3.7	11	<0.1	1.3	0.4	40	0.06	0.031
1287022	Soil			1.3	22.2	18.1	48	0.1	15.1	7.3	239	2.20	4.5	1.0	5.5	1.8	60	0.1	0.3	0.2	74	0.31	0.066
1369256	Soil			3.8	23.1	73.6	111	0.3	6.9	6.9	1305	2.18	81.1	1.5	9.7	9.5	77	0.8	1.0	0.5	47	1.79	0.060
1369265	Soil			0.9	19.6	12.1	57	0.1	18.5	8.6	371	2.49	9.0	1.1	8.4	4.7	38	0.2	0.6	0.2	59	0.50	0.072
1369252	Soil			2.3	28.0	40.3	77	0.4	12.1	8.8	266	2.10	48.1	2.1	7.1	1.5	54	0.4	1.4	1.3	55	0.29	0.078
1287018	Soil			1.2	26.4	15.1	48	0.1	20.0	10.2	299	3.10	5.4	1.1	11.4	2.8	72	0.1	0.3	0.2	120	0.46	0.110
1369260	Soil			3.3	28.0	26.2	81	0.2	18.5	9.8	529	3.89	11.8	1.2	8.9	4.4	113	0.3	0.6	0.4	106	0.76	0.051
1369255	Soil			1.7	27.4	25.4	82	0.1	16.0	8.3	308	2.21	12.8	2.0	5.6	3.0	66	0.4	0.6	0.4	50	0.34	0.035
1369257	Soil			5.0	65.8	38.2	57	0.3	8.5	12.1	816	2.15	9.0	1.8	8.0	14.0	191	<0.1	0.5	0.8	46	1.08	0.096
1369259	Soil			3.5	24.5	26.3	64	0.2	10.1	6.9	500	2.06	9.9	1.0	2.9	4.5	86	0.2	0.6	0.3	44	0.58	0.036
1369251	Soil			2.6	23.5	2.4	42	0.3	22.1	9.9	403	2.38	4.6	0.3	3.1	1.0	43	0.2	0.3	<0.1	61	0.91	0.061
1287014	Soil			1.0	23.5	15.0	50	<0.1	23.2	10.0	321	2.66	5.6	1.0	4.4	3.8	43	0.2	0.3	0.2	92	0.35	0.087
1369258	Soil			5.9	45.8	69.8	83	0.4	8.3	8.8	903	2.46	46.5	1.8	6.9	9.6	131	0.4	0.8	0.7	52	0.77	0.081
1287025	Soil			1.8	58.4	19.0	55	0.2	14.8	7.4	206	2.37	5.3	1.2	11.7	1.5	55	0.2	0.3	0.2	76	0.26	0.076
1287010	Soil			1.3	36.8	16.4	61	0.2	26.6	14.3	451	3.20	6.2	1.7	14.0	5.1	72	0.3	0.4	0.2	105	0.51	0.119
1287009	Soil			1.2	31.6	19.7	58	0.1	23.8	11.7	326	3.53	7.7	1.2	23.8	3.7	48	0.3	0.5	0.2	121	0.28	0.058
1287023	Soil			1.8	49.5	17.7	55	0.2	14.3	8.6	234	2.34	4.3	1.0	179.0	2.2	68	0.2	0.3	0.3	70	0.35	0.077



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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1369254	Soil	11	23	0.29	119	0.062	<1	1.59	0.009	0.06	0.2	0.04	2.7	0.1	<0.05	8	<0.5	<0.2
1278173	Soil	11	21	0.68	128	0.114	2	1.82	0.008	0.16	0.1	0.02	5.0	0.2	<0.05	6	<0.5	<0.2
1369261	Soil	20	20	0.68	248	0.044	<1	1.99	0.012	0.06	0.4	0.07	4.9	0.1	<0.05	7	0.6	<0.2
1287016	Soil	13	46	0.68	207	0.109	2	1.74	0.016	0.13	0.3	0.03	3.2	0.1	<0.05	6	<0.5	<0.2
1287012	Soil	13	60	0.69	168	0.109	1	1.41	0.027	0.11	0.3	0.04	2.6	0.1	<0.05	5	<0.5	<0.2
1369262	Soil	17	17	0.74	189	0.028	3	2.07	0.012	0.08	0.3	0.04	8.3	0.2	<0.05	8	<0.5	<0.2
1263444	Soil	18	42	0.81	172	0.145	1	1.93	0.032	0.12	0.5	0.03	4.8	0.1	0.07	7	<0.5	<0.2
1278161	Soil	9	15	0.28	98	0.032	1	1.18	0.016	0.19	0.1	0.03	2.6	0.2	0.28	4	0.5	<0.2
1369253	Soil	8	16	0.32	163	0.066	2	1.52	0.017	0.09	0.2	0.05	3.1	0.2	0.10	7	<0.5	<0.2
1369264	Soil	15	27	0.97	166	0.052	<1	1.99	0.012	0.09	0.3	0.03	7.5	0.2	0.13	8	<0.5	<0.2
1287015	Soil	13	54	0.61	273	0.083	<1	1.38	0.024	0.11	0.2	0.01	2.9	0.1	0.08	4	<0.5	<0.2
1278151	Soil	4	30	0.78	96	0.121	2	1.44	0.080	0.11	13.2	0.01	4.8	<0.1	<0.05	5	<0.5	<0.2
1287013	Soil	12	52	0.61	155	0.096	3	1.27	0.024	0.10	0.3	0.02	2.6	<0.1	0.12	5	<0.5	<0.2
1278160	Soil	10	18	0.33	108	0.038	2	1.49	0.018	0.15	0.2	0.02	3.7	0.3	0.09	5	<0.5	<0.2
1287022	Soil	11	27	0.50	205	0.072	<1	1.58	0.018	0.05	0.2	0.03	2.6	0.1	<0.05	6	<0.5	<0.2
1369256	Soil	16	7	1.18	159	0.011	<1	2.89	0.011	0.20	<0.1	<0.01	7.5	0.2	<0.05	9	<0.5	<0.2
1369265	Soil	15	28	0.47	263	0.070	<1	1.50	0.018	0.05	0.3	0.04	4.5	<0.1	<0.05	4	<0.5	<0.2
1369252	Soil	11	23	0.42	299	0.059	1	1.69	0.017	0.10	0.2	0.04	2.9	0.3	<0.05	5	<0.5	<0.2
1287018	Soil	13	52	0.60	216	0.094	2	1.73	0.024	0.08	0.2	0.02	3.0	<0.1	<0.05	6	<0.5	<0.2
1369260	Soil	14	42	1.00	370	0.098	1	2.38	0.018	0.17	0.3	0.02	6.8	0.2	<0.05	9	<0.5	<0.2
1369255	Soil	14	26	0.45	214	0.053	1	1.82	0.020	0.07	0.3	0.03	4.0	0.1	<0.05	5	<0.5	<0.2
1369257	Soil	32	11	0.72	340	0.006	<1	2.50	0.014	0.05	0.3	0.04	4.4	0.1	<0.05	8	<0.5	<0.2
1369259	Soil	11	18	0.54	355	0.015	<1	1.93	0.012	0.06	0.1	0.02	4.1	0.1	<0.05	6	<0.5	<0.2
1369251	Soil	4	31	0.76	98	0.131	<1	1.50	0.088	0.13	12.6	<0.01	5.2	<0.1	<0.05	5	<0.5	<0.2
1287014	Soil	12	46	0.74	179	0.119	1	1.82	0.016	0.12	0.2	0.03	3.0	0.1	<0.05	6	<0.5	<0.2
1369258	Soil	21	12	0.61	310	0.014	<1	2.22	0.020	0.05	0.2	0.02	4.6	0.2	<0.05	7	<0.5	<0.2
1287025	Soil	11	31	0.53	196	0.067	<1	1.66	0.017	0.06	0.2	0.05	3.5	0.2	<0.05	6	<0.5	<0.2
1287010	Soil	15	51	0.88	237	0.138	1	1.73	0.023	0.17	0.3	0.02	3.8	0.1	<0.05	6	<0.5	<0.2
1287009	Soil	12	54	0.64	183	0.112	2	1.82	0.018	0.08	0.6	0.05	3.3	0.1	0.06	6	0.6	<0.2
1287023	Soil	11	32	0.58	240	0.082	<1	1.77	0.022	0.11	0.2	0.02	4.5	0.1	0.10	6	<0.5	<0.2

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Project: CHA
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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	1DX15	1DX15	1DX15	1DX15
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	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	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1263104	Soil		1.5	14.1	19.1	60	0.2	10.2	8.6	472	3.63	15.4	0.9	6.2	3.5	24	0.2	1.0	0.3	49	0.16	0.068
1287021	Soil		0.9	21.0	16.4	47	0.1	15.9	7.2	174	2.18	4.4	1.1	6.3	1.7	58	0.1	0.3	0.2	67	0.32	0.078
1287020	Soil		1.0	23.2	13.8	51	0.2	18.1	8.5	223	2.32	4.3	1.1	5.0	1.8	61	0.2	0.3	0.2	69	0.40	0.087
1287019	Soil		0.9	22.6	11.9	45	0.1	17.6	7.4	183	2.40	4.5	1.0	11.1	2.0	61	0.2	0.3	0.2	75	0.36	0.063
1263080	Soil		2.2	16.6	19.0	48	0.1	14.3	11.7	442	2.83	7.3	0.8	12.8	2.9	37	0.3	0.3	0.3	90	0.27	0.069
1263105	Soil		1.2	13.7	15.2	55	0.2	11.8	5.6	249	2.90	8.3	0.5	4.0	1.0	14	0.2	0.6	0.2	69	0.12	0.051
1263107	Soil		1.0	35.9	11.2	35	0.1	6.7	6.7	196	2.16	3.4	0.4	2.8	1.0	17	0.1	0.3	0.2	67	0.18	0.041
1263106	Soil		1.2	34.8	23.9	74	0.2	16.3	10.9	426	3.97	9.0	0.9	5.2	3.3	24	0.5	0.5	0.3	79	0.24	0.063
1263081	Soil		1.3	21.8	12.9	52	0.1	15.9	10.4	282	2.46	5.0	1.0	8.2	1.8	52	0.2	0.3	0.2	86	0.35	0.083
1263082	Soil		0.6	14.2	11.2	30	0.1	8.2	3.5	78	1.42	2.7	0.8	24.6	0.8	42	<0.1	0.2	0.2	42	0.21	0.068
1263101	Soil		1.3	406.5	22.2	160	0.2	197.6	66.5	777	14.25	2.6	1.3	33.4	7.2	16	<0.1	0.4	0.2	191	0.28	0.043
1263103	Soil		0.6	10.4	20.4	52	0.2	8.1	5.5	274	2.84	12.1	0.7	5.2	3.6	27	0.2	0.8	0.2	35	0.25	0.066
1263084	Soil		1.0	16.6	12.4	55	<0.1	16.6	11.8	469	2.71	5.6	0.8	11.1	2.1	48	0.2	0.4	0.4	84	0.39	0.082
1263083	Soil		1.0	9.9	12.8	36	0.1	11.3	5.0	107	1.50	3.1	0.6	6.4	0.6	31	<0.1	0.2	0.3	42	0.22	0.058
1263079	Soil		4.0	54.8	20.5	62	0.2	22.3	12.2	237	2.89	7.2	1.9	127.4	3.0	51	0.2	0.4	0.3	93	0.37	0.102
1263078	Soil		1.8	30.4	14.1	65	<0.1	20.9	14.2	569	3.64	7.3	0.7	5.7	3.1	57	0.2	1.2	0.2	134	0.44	0.116
1263088	Soil		2.1	11.9	26.3	63	<0.1	17.1	13.1	526	2.42	14.5	0.7	9.5	2.7	16	0.3	0.8	0.8	62	0.13	0.042
1263086	Soil		1.3	23.0	12.7	68	0.1	20.6	12.4	388	2.92	6.9	0.9	18.2	3.2	39	0.2	0.4	0.3	96	0.35	0.066
1263087	Soil		1.0	23.3	12.3	57	0.1	20.1	12.3	452	3.01	7.1	1.1	256.6	3.5	49	0.1	0.4	0.8	100	0.51	0.065
1263085	Soil		1.3	24.4	13.0	56	0.2	18.3	11.1	439	2.74	6.2	1.0	7.5	1.8	56	0.2	0.3	0.3	85	0.40	0.094
1263089	Soil		2.4	6.1	10.5	27	<0.1	8.7	6.8	382	1.13	5.8	0.4	4.6	3.1	11	<0.1	0.8	0.1	44	0.14	0.028
1263095	Soil		1.0	30.5	9.7	61	0.1	17.4	12.4	678	3.03	18.9	1.4	10.7	3.3	16	0.3	1.8	0.3	53	0.14	0.053
1263090	Soil		1.1	10.7	12.2	33	<0.1	10.7	5.7	177	1.97	6.1	0.4	5.2	1.4	13	0.2	0.5	0.1	54	0.12	0.031
1263094	Soil		1.2	16.8	8.8	46	<0.1	10.0	6.6	450	3.03	8.7	0.5	3.3	1.7	9	0.2	0.6	0.2	56	0.06	0.058
1263098	Soil		0.8	12.7	9.9	32	<0.1	6.2	3.3	333	1.69	4.9	0.4	4.4	0.9	8	0.1	0.4	0.2	59	0.08	0.034
1263092	Soil		3.0	20.1	13.6	67	0.2	19.5	13.8	344	2.80	9.3	1.0	4.8	3.5	23	0.3	0.6	0.2	58	0.25	0.070
1263091	Soil		2.2	21.2	15.5	57	<0.1	14.6	14.9	477	3.49	10.8	0.6	11.9	3.3	13	0.2	0.7	0.1	58	0.14	0.041
1263096	Soil		0.8	15.5	8.3	59	<0.1	15.8	12.2	534	2.51	9.3	0.7	5.8	3.0	13	0.2	0.9	0.2	49	0.14	0.040
1263099	Soil		1.1	13.2	11.7	44	0.1	7.8	4.5	351	2.34	4.9	0.4	3.6	1.6	8	0.3	0.5	0.1	62	0.06	0.041
1263100	Soil		0.7	17.7	10.1	66	0.1	13.8	9.4	448	2.43	5.5	0.9	3.3	2.5	17	0.3	0.4	<0.1	46	0.20	0.045

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Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
			ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
			1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1263104	Soil		16	20	0.56	295	0.078	<1	1.62	0.024	0.30	0.2	0.05	6.6	0.2	0.25	7	<0.5	<0.2
1287021	Soil		11	29	0.53	206	0.069	<1	1.62	0.020	0.05	0.2	0.03	2.7	0.1	<0.05	5	<0.5	<0.2
1287020	Soil		12	32	0.54	217	0.077	1	1.57	0.022	0.06	0.2	0.03	2.8	0.1	<0.05	6	<0.5	<0.2
1287019	Soil		10	35	0.53	189	0.079	<1	1.47	0.022	0.05	0.2	0.02	2.6	0.1	<0.05	5	<0.5	<0.2
1263080	Soil		12	36	0.42	167	0.084	<1	1.58	0.014	0.05	0.4	0.06	2.8	<0.1	<0.05	7	<0.5	<0.2
1263105	Soil		10	22	0.33	125	0.049	<1	1.75	0.009	0.06	0.1	0.08	2.8	0.1	0.06	8	0.7	<0.2
1263107	Soil		5	15	0.49	114	0.114	<1	1.18	0.019	0.18	0.7	0.03	4.4	0.1	<0.05	6	<0.5	<0.2
1263106	Soil		12	28	0.73	199	0.137	<1	2.06	0.012	0.22	0.7	0.04	8.0	0.2	<0.05	9	0.6	<0.2
1263081	Soil		11	36	0.51	206	0.066	<1	1.43	0.018	0.06	0.2	0.05	2.7	<0.1	<0.05	5	0.6	<0.2
1263082	Soil		9	23	0.35	154	0.037	<1	1.31	0.014	0.04	0.2	0.06	2.3	<0.1	0.07	4	<0.5	<0.2
1263101	Soil		17	562	0.13	150	0.155	3	4.19	0.012	0.06	<0.1	0.04	37.7	<0.1	<0.05	20	<0.5	<0.2
1263103	Soil		17	13	0.47	178	0.075	<1	1.13	0.021	0.31	0.2	0.03	4.5	0.3	0.33	4	<0.5	<0.2
1263084	Soil		14	29	0.51	194	0.067	<1	1.44	0.019	0.07	0.2	0.05	3.0	<0.1	<0.05	5	<0.5	<0.2
1263083	Soil		10	24	0.39	145	0.044	<1	1.15	0.013	0.03	0.2	0.05	2.0	0.1	0.08	5	<0.5	<0.2
1263079	Soil		14	42	0.57	215	0.074	<1	1.77	0.019	0.05	0.3	0.07	3.6	0.1	<0.05	6	<0.5	<0.2
1263078	Soil		13	61	0.63	169	0.062	<1	1.66	0.017	0.06	0.2	0.02	3.6	0.1	0.08	6	<0.5	<0.2
1263088	Soil		11	24	0.39	101	0.042	<1	1.48	0.008	0.06	0.2	0.03	2.9	0.1	0.07	5	<0.5	<0.2
1263086	Soil		14	33	0.58	199	0.084	<1	1.70	0.017	0.08	0.2	0.06	3.7	<0.1	0.06	6	<0.5	<0.2
1263087	Soil		38	29	0.57	184	0.063	<1	1.64	0.019	0.07	0.2	0.03	10.3	<0.1	0.06	5	<0.5	<0.2
1263085	Soil		16	32	0.52	227	0.065	1	1.74	0.019	0.07	0.2	0.06	3.3	<0.1	0.11	5	<0.5	<0.2
1263089	Soil		8	22	0.52	215	0.014	<1	1.09	0.006	0.19	<0.1	<0.01	4.9	0.2	<0.05	3	<0.5	<0.2
1263095	Soil		15	28	0.45	206	0.042	<1	1.74	0.010	0.12	0.2	0.07	4.6	0.2	0.10	5	<0.5	<0.2
1263090	Soil		11	18	0.39	116	0.077	<1	1.26	0.010	0.08	0.1	0.03	2.4	0.1	<0.05	6	<0.5	<0.2
1263094	Soil		12	18	0.23	95	0.051	<1	1.25	0.007	0.06	0.2	0.05	2.3	0.1	<0.05	6	<0.5	<0.2
1263098	Soil		9	13	0.17	68	0.072	<1	0.93	0.006	0.06	0.1	0.06	1.8	<0.1	<0.05	6	<0.5	<0.2
1263092	Soil		15	29	0.58	269	0.072	2	1.90	0.012	0.07	0.2	0.05	5.9	0.2	<0.05	6	<0.5	<0.2
1263091	Soil		15	23	0.70	101	0.089	1	1.82	0.007	0.15	0.1	0.02	5.9	0.2	<0.05	7	<0.5	<0.2
1263096	Soil		12	24	0.44	108	0.069	2	1.53	0.009	0.08	0.2	0.04	3.1	0.1	<0.05	4	<0.5	<0.2
1263099	Soil		9	16	0.26	80	0.083	<1	1.34	0.007	0.08	<0.1	0.05	2.6	0.1	<0.05	7	<0.5	<0.2
1263100	Soil		12	22	0.56	178	0.107	<1	1.54	0.011	0.19	0.1	0.05	4.9	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	1DX15	1DX15	1DX15
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1263097	Soil		0.8	18.6	9.5	63	0.1	14.5	10.1	443	2.65	12.1	0.8	3.2	2.6	14	0.3	1.3	<0.1	55	0.17	0.044
1263093	Soil		1.0	20.7	9.6	45	0.2	13.1	6.1	164	1.87	6.6	1.4	4.8	0.4	24	0.3	0.5	0.2	35	0.21	0.072
1369573	Soil		1.4	70.7	12.4	97	<0.1	58.0	23.4	803	4.86	9.0	0.9	5.7	5.2	37	0.3	0.4	0.2	162	0.59	0.084
1369578	Soil		1.3	26.4	18.2	60	<0.1	20.5	10.3	422	2.88	9.0	0.9	4.4	5.0	24	0.1	0.6	0.2	68	0.33	0.034
1369563	Soil		2.3	26.2	44.3	92	0.3	14.9	11.8	341	3.26	106.4	0.8	9.0	3.0	97	0.4	2.2	3.0	84	0.48	0.132
1263102	Soil		0.7	18.7	12.8	60	0.1	14.3	9.8	557	2.49	6.1	0.7	2.4	3.0	12	0.2	0.4	0.1	46	0.15	0.034
1369576	Soil		1.6	34.0	13.7	90	<0.1	23.3	12.4	391	3.29	7.4	0.6	4.4	4.5	27	0.4	0.4	0.3	94	0.32	0.043
1369570	Soil		5.5	31.6	52.3	84	0.8	13.7	6.5	221	1.86	52.2	1.6	10.4	0.9	34	0.5	1.3	3.3	49	0.19	0.054
1369571	Soil		1.8	103.4	17.0	96	0.1	108.6	32.2	778	5.93	9.2	1.0	14.2	6.1	60	0.2	0.2	1.2	176	0.90	0.143
1369572	Soil		1.7	104.0	11.4	96	<0.1	103.6	35.5	934	6.29	3.6	0.7	1.7	6.5	74	0.2	0.1	0.8	176	0.85	0.150
1369558	Soil		1.6	36.7	93.2	61	1.0	12.5	11.4	252	2.84	52.8	0.6	13.5	1.0	52	0.2	1.3	0.8	73	0.34	0.094
1369555	Soil		0.8	22.1	15.0	49	0.1	19.4	10.4	276	3.43	5.6	0.9	38.6	3.3	43	0.2	0.3	0.2	138	0.39	0.096
1369557	Soil		1.9	40.1	35.2	66	0.4	11.0	17.2	501	2.63	26.0	0.7	4.9	0.6	34	0.2	0.6	3.4	80	0.34	0.101
1369577	Soil		1.4	22.5	29.1	61	0.3	16.4	8.4	383	2.42	16.8	1.1	4.5	4.4	36	0.2	0.7	0.7	56	0.35	0.048
1369566	Soil		2.5	71.4	69.8	108	1.5	19.9	13.3	435	3.01	184.5	2.1	16.1	3.3	46	0.5	3.5	20.7	60	0.20	0.073
1369568	Soil		7.1	36.4	82.4	79	1.1	17.3	7.8	217	2.90	137.3	1.3	20.1	3.2	37	0.3	2.0	5.9	70	0.18	0.067
1369569	Soil		8.5	31.2	97.7	72	0.6	13.3	6.2	214	2.48	120.0	1.1	12.1	2.3	33	0.2	2.1	5.2	69	0.13	0.054
1369564	Soil		2.1	29.2	18.8	71	0.1	18.3	14.3	382	3.57	58.9	0.8	6.6	2.6	108	0.4	2.5	0.3	89	0.50	0.089
1369559	Soil		1.7	29.6	54.5	71	0.5	11.1	10.1	186	3.36	20.0	0.8	2.2	1.4	68	0.3	0.9	0.3	89	0.31	0.083
1369565	Soil		3.9	60.2	58.8	126	1.0	24.5	22.9	889	4.05	146.4	1.8	10.7	3.9	49	0.9	3.5	15.5	84	0.19	0.084
1369567	Soil		2.9	54.8	72.4	105	1.5	19.1	12.9	428	3.17	158.3	2.0	15.2	3.5	32	0.6	2.4	9.3	68	0.20	0.075
1369579	Soil		1.3	33.2	13.3	66	0.2	24.9	11.2	552	3.14	10.5	0.9	3.0	5.4	31	0.1	0.8	0.4	70	0.41	0.045
1369553	Soil		0.6	21.3	16.3	56	<0.1	19.3	9.8	255	3.55	5.8	0.8	14.7	4.4	58	0.3	0.4	0.3	132	0.45	0.116
1369551	Soil		2.4	25.5	2.2	42	0.4	23.2	9.5	417	2.35	5.0	0.3	1.0	0.9	44	0.2	0.4	<0.1	66	0.93	0.062
1369560	Soil		2.3	16.5	32.9	97	0.3	18.9	14.6	442	3.11	12.9	1.4	5.2	2.3	113	0.7	0.7	0.3	86	0.63	0.100
1369561	Soil		3.4	30.6	55.2	163	1.1	24.0	12.6	279	3.01	121.3	1.6	10.4	3.2	191	0.8	2.1	6.3	90	0.68	0.110
1369537	Soil		1.3	15.2	17.7	47	<0.1	13.8	8.4	403	2.73	6.4	0.5	15.8	1.6	48	0.3	0.3	0.3	107	0.27	0.051
1369556	Soil		0.9	20.0	15.8	55	0.1	16.4	9.5	491	2.28	5.7	1.0	5.5	2.5	46	0.3	0.4	0.2	74	0.33	0.084
1369552	Soil		0.9	23.2	20.0	52	0.2	17.0	9.4	260	2.69	5.7	1.2	18.5	3.5	49	0.3	0.4	0.2	84	0.39	0.096
1369554	Soil		1.0	21.0	15.8	52	0.1	16.1	8.4	308	2.66	5.6	0.9	6.2	2.5	54	0.2	0.4	0.2	84	0.39	0.088

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Project: CHA
 Report Date: September 02, 2012

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CERTIFICATE OF ANALYSIS

DAW12000268.1

Method Analyte	1DX15																	
	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1263097	Soil	11	24	0.49	145	0.084	1	1.37	0.009	0.11	0.2	0.03	3.9	0.1	0.05	5	<0.5	<0.2
1263093	Soil	18	21	0.30	386	0.022	<1	1.28	0.012	0.09	0.1	0.07	2.5	0.1	0.10	5	<0.5	<0.2
1369573	Soil	16	91	1.71	264	0.238	<1	2.10	0.017	0.22	0.1	0.01	9.3	0.1	<0.05	8	<0.5	<0.2
1369578	Soil	14	43	0.62	204	0.088	1	1.83	0.014	0.09	0.1	0.03	5.2	<0.1	<0.05	6	<0.5	<0.2
1369563	Soil	14	23	0.63	348	0.127	<1	1.63	0.021	0.24	0.2	0.03	4.0	0.4	0.10	6	<0.5	<0.2
1263102	Soil	13	22	0.52	142	0.096	<1	1.51	0.010	0.16	0.2	0.04	4.3	0.1	<0.05	5	<0.5	<0.2
1369576	Soil	13	44	0.80	176	0.103	1	1.74	0.009	0.07	0.1	0.01	5.0	0.1	<0.05	6	<0.5	<0.2
1369570	Soil	10	25	0.31	332	0.031	2	1.49	0.011	0.07	0.1	0.04	2.4	0.3	0.06	5	<0.5	<0.2
1369571	Soil	22	162	2.82	327	0.266	1	2.36	0.027	0.34	0.2	0.02	5.1	<0.1	<0.05	8	<0.5	<0.2
1369572	Soil	24	130	3.16	327	0.243	<1	2.17	0.032	0.42	<0.1	0.01	6.0	<0.1	<0.05	7	<0.5	<0.2
1369558	Soil	10	22	0.54	164	0.097	1	1.76	0.017	0.12	0.2	0.09	3.0	0.3	0.13	6	0.7	<0.2
1369555	Soil	14	52	0.52	167	0.096	1	1.38	0.020	0.06	0.3	0.02	2.3	<0.1	<0.05	5	<0.5	<0.2
1369557	Soil	10	24	0.58	154	0.068	1	1.61	0.020	0.05	0.2	0.08	3.2	0.2	0.13	6	<0.5	<0.2
1369577	Soil	15	28	0.46	317	0.060	1	1.48	0.013	0.07	0.2	0.03	4.6	0.1	<0.05	4	<0.5	<0.2
1369566	Soil	11	27	0.36	374	0.050	2	1.60	0.012	0.13	0.2	0.04	3.3	0.4	0.05	6	<0.5	<0.2
1369568	Soil	11	30	0.36	387	0.046	3	1.82	0.009	0.10	0.2	0.03	3.1	0.3	<0.05	6	<0.5	<0.2
1369569	Soil	11	27	0.31	282	0.045	2	1.51	0.008	0.10	0.2	0.03	2.6	0.3	<0.05	6	<0.5	<0.2
1369564	Soil	14	27	0.69	546	0.123	1	2.29	0.027	0.30	<0.1	0.04	5.4	0.5	<0.05	7	<0.5	<0.2
1369559	Soil	10	18	0.71	238	0.121	1	2.04	0.018	0.16	0.2	0.08	4.3	0.3	0.12	7	0.7	<0.2
1369565	Soil	12	38	0.53	373	0.088	3	2.31	0.013	0.21	0.3	0.06	5.0	0.5	0.13	9	<0.5	<0.2
1369567	Soil	12	30	0.44	377	0.042	3	2.14	0.011	0.12	0.3	0.06	4.2	0.4	0.17	7	<0.5	<0.2
1369579	Soil	15	40	0.68	296	0.091	1	1.74	0.018	0.07	0.2	0.02	7.0	0.1	0.07	6	<0.5	<0.2
1369553	Soil	15	49	0.56	209	0.101	2	1.38	0.024	0.09	0.2	0.02	2.4	0.1	0.08	5	<0.5	<0.2
1369551	Soil	4	31	0.86	104	0.129	3	1.60	0.085	0.13	14.3	0.01	5.5	<0.1	0.18	5	<0.5	<0.2
1369560	Soil	15	26	0.80	346	0.106	<1	2.24	0.018	0.25	0.1	0.05	5.9	0.4	0.14	8	<0.5	<0.2
1369561	Soil	14	38	0.79	477	0.115	2	2.53	0.024	0.45	0.2	0.05	7.5	0.6	0.20	9	0.5	<0.2
1369537	Soil	9	32	0.51	119	0.099	2	1.23	0.016	0.10	0.3	0.02	2.1	0.1	0.08	6	<0.5	<0.2
1369556	Soil	13	29	0.52	182	0.078	2	1.44	0.017	0.07	0.2	0.02	2.6	0.1	0.08	5	<0.5	<0.2
1369552	Soil	16	34	0.61	224	0.096	2	1.55	0.022	0.08	0.4	0.04	3.4	0.1	0.11	5	<0.5	<0.2
1369554	Soil	13	33	0.54	191	0.092	1	1.39	0.020	0.08	0.2	0.04	2.4	<0.1	0.09	5	<0.5	<0.2

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Project: CHA
 Report Date: September 02, 2012

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CERTIFICATE OF ANALYSIS

DAW12000268.1

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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1369533	Soil		1.1	27.3	19.1	55	<0.1	22.3	10.1	310	3.31	6.6	0.9	29.9	3.6	43	0.6	0.4	0.2	99	0.32	0.076
1369534	Soil		0.5	25.5	25.2	57	0.1	17.1	11.2	417	3.10	6.2	1.0	42.3	4.3	192	0.3	0.4	0.2	95	0.73	0.104
1369535	Soil		0.7	29.2	23.8	59	0.1	21.7	11.8	348	3.22	7.6	1.0	7.3	4.8	59	0.3	0.5	0.3	98	0.44	0.093
1369536	Soil		1.2	29.6	32.5	67	0.2	20.8	12.9	418	3.11	8.2	1.1	5.0	3.8	81	0.4	0.5	0.3	91	0.40	0.100
1260390	Soil		1.1	20.5	13.5	63	0.3	17.0	8.5	262	2.51	10.3	0.9	3.8	1.9	40	0.2	0.5	0.4	67	0.42	0.070
1365746	Soil		4.6	33.5	27.0	69	0.3	25.2	8.4	261	3.32	93.0	1.2	11.4	4.3	31	0.3	2.2	0.7	79	0.25	0.077
1365748	Soil		0.9	24.7	13.3	32	0.4	14.3	4.0	108	1.73	14.5	1.2	5.6	0.6	36	0.1	0.5	0.5	41	0.36	0.062
1365745	Soil		4.5	21.4	23.0	54	0.3	18.7	11.5	520	3.02	84.1	0.8	4.5	2.2	18	0.4	1.4	0.6	74	0.17	0.090
1260392	Soil		2.0	27.8	16.6	64	0.2	22.2	9.8	362	3.01	17.2	1.2	5.1	3.7	29	0.2	0.7	0.4	80	0.23	0.042
1365750	Soil		1.0	19.0	15.0	45	0.3	16.0	6.8	167	2.30	11.5	0.8	3.9	1.3	32	0.1	0.5	0.3	57	0.30	0.065
1365747	Soil		3.3	34.0	17.0	43	0.6	17.3	9.3	336	2.44	26.2	1.5	8.3	0.7	34	0.3	0.8	0.4	50	0.30	0.082
1365744	Soil		3.0	22.3	19.8	51	0.2	19.9	8.0	252	3.19	43.3	0.8	4.1	3.0	19	0.5	1.1	0.3	70	0.20	0.055
1365736	Soil		4.8	24.6	35.8	84	0.7	17.7	9.2	361	2.72	11.2	1.5	3.0	0.9	55	0.5	0.9	0.6	62	0.27	0.107
1365749	Soil		1.3	20.1	17.2	47	0.4	15.7	6.6	208	2.25	13.7	0.9	2.3	1.1	33	0.2	0.5	0.4	63	0.37	0.070
1365701	Soil		1.6	443.8	21.8	169	0.3	219.7	77.8	832	16.72	3.0	1.3	35.4	7.8	17	0.1	0.5	0.2	224	0.32	0.042
1260391	Soil		1.9	24.7	27.1	64	0.4	19.2	7.7	275	2.42	23.9	1.0	3.1	1.4	35	0.2	0.9	0.7	59	0.42	0.061
1365738	Soil		1.8	17.7	39.5	49	0.3	13.6	5.8	256	2.37	57.2	0.7	3.3	1.3	18	0.3	1.6	0.9	58	0.14	0.050
1365731	Soil		1.8	32.1	54.7	27	0.6	10.2	4.6	229	1.55	38.5	0.8	4.8	0.3	21	0.7	1.7	2.0	42	0.12	0.056
1365737	Soil		3.2	32.3	69.1	80	0.4	18.1	16.6	685	4.01	23.1	0.9	12.8	2.3	132	0.6	2.0	1.3	101	0.64	0.143
1365724	Soil		2.6	12.7	20.6	32	0.3	8.0	3.2	166	1.98	7.4	0.4	2.1	0.7	24	0.2	0.5	0.4	65	0.08	0.053
1365741	Soil		3.3	18.4	51.7	45	0.3	15.5	7.7	321	3.29	80.2	0.7	4.8	2.6	18	0.4	1.6	0.9	71	0.17	0.080
1365725	Soil		2.8	13.2	21.3	60	0.2	12.0	5.7	252	2.62	8.6	0.6	2.7	2.2	25	0.3	0.6	0.4	72	0.10	0.060
1365739	Soil		1.6	19.9	68.9	40	0.9	14.9	6.4	147	2.63	56.0	1.1	7.4	3.7	15	0.3	1.6	1.4	62	0.13	0.039
1365740	Soil		1.9	34.6	65.8	61	0.3	20.4	10.1	265	3.02	48.8	0.8	8.6	4.7	23	0.2	2.2	1.0	69	0.19	0.049
1365742	Soil		3.5	25.6	33.2	40	0.6	13.4	6.6	259	2.38	39.4	1.0	4.7	1.2	15	0.5	1.2	0.4	61	0.13	0.082
1365735	Soil		0.9	5.9	7.1	18	<0.1	3.5	2.1	88	1.20	3.5	0.2	1.1	0.3	7	<0.1	0.2	0.2	37	0.04	0.031
1260393	Soil		2.0	24.5	14.7	55	0.3	20.5	7.2	182	2.49	13.9	1.0	3.5	1.2	26	0.1	0.5	0.6	63	0.27	0.070
1365743	Soil		2.7	28.9	28.3	43	0.7	15.7	9.2	622	2.66	40.4	1.3	8.5	2.3	14	0.2	1.2	0.5	64	0.14	0.068
1260396	Soil		7.9	48.2	25.2	54	0.3	19.4	7.3	247	2.75	95.5	1.1	6.2	2.6	23	0.1	2.7	2.4	74	0.15	0.061
1260397	Soil		11.5	59.1	30.2	60	0.4	24.6	8.9	186	3.07	85.7	1.9	19.5	2.3	31	0.2	3.0	2.0	74	0.19	0.080

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CERTIFICATE OF ANALYSIS

DAW12000268.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1369533	Soil	12	43	0.66	186	0.109	2	1.62	0.016	0.09	0.3	0.06	2.8	0.1	<0.05	7	<0.5	<0.2
1369534	Soil	18	30	0.77	179	0.098	2	2.16	0.049	0.13	0.2	0.02	3.7	0.1	<0.05	6	<0.5	<0.2
1369535	Soil	15	38	0.64	173	0.117	3	1.60	0.020	0.11	0.4	0.03	3.3	0.1	0.06	5	<0.5	<0.2
1369536	Soil	13	33	0.77	206	0.103	2	1.89	0.022	0.12	0.3	0.05	3.1	0.1	0.13	6	0.7	<0.2
1260390	Soil	11	31	0.79	290	0.067	2	1.95	0.013	0.07	0.2	0.04	5.8	0.2	0.11	7	0.6	<0.2
1365746	Soil	16	37	0.54	284	0.063	2	2.09	0.012	0.09	0.3	0.02	4.5	0.2	0.14	7	0.8	<0.2
1365748	Soil	11	26	0.40	248	0.043	2	1.59	0.014	0.06	0.2	0.05	3.4	0.2	0.13	6	0.7	<0.2
1365745	Soil	14	33	0.40	178	0.062	1	1.54	0.010	0.09	0.3	0.02	3.3	0.1	0.14	7	0.9	<0.2
1260392	Soil	13	39	0.72	259	0.080	2	2.36	0.012	0.09	0.2	0.04	5.6	0.2	0.12	7	0.9	<0.2
1365750	Soil	12	27	0.51	304	0.054	1	1.71	0.014	0.06	0.2	0.07	4.5	0.2	0.22	6	0.7	<0.2
1365747	Soil	12	29	0.40	325	0.035	2	1.84	0.013	0.07	0.2	0.08	3.7	0.2	0.17	7	0.6	<0.2
1365744	Soil	11	37	0.44	207	0.055	2	2.24	0.009	0.06	0.2	0.06	3.9	0.1	0.16	7	0.8	<0.2
1365736	Soil	19	32	0.46	367	0.024	2	2.16	0.012	0.09	0.2	0.09	4.2	0.2	0.16	7	0.7	<0.2
1365749	Soil	11	30	0.47	248	0.057	2	1.64	0.012	0.07	0.2	0.06	4.6	0.2	0.13	7	0.6	<0.2
1365701	Soil	18	667	0.14	158	0.197	6	4.43	0.012	0.06	<0.1	0.03	41.7	<0.1	0.07	21	1.1	<0.2
1260391	Soil	13	34	0.60	258	0.044	1	1.82	0.012	0.08	0.2	0.07	4.3	0.2	0.14	6	<0.5	<0.2
1365738	Soil	11	22	0.34	265	0.049	1	1.38	0.011	0.07	0.2	0.03	2.7	0.1	0.10	6	<0.5	<0.2
1365731	Soil	14	16	0.11	436	0.030	2	0.89	0.012	0.05	0.1	0.02	1.5	0.1	0.09	5	0.7	<0.2
1365737	Soil	13	31	0.73	411	0.069	2	1.77	0.029	0.10	0.5	0.05	5.1	0.1	0.16	6	0.5	0.3
1365724	Soil	9	19	0.13	98	0.045	1	1.03	0.007	0.04	0.2	0.05	1.7	0.1	0.08	7	<0.5	<0.2
1365741	Soil	13	29	0.39	268	0.053	1	1.76	0.009	0.07	0.3	0.03	3.2	0.1	0.14	7	0.6	<0.2
1365725	Soil	11	24	0.26	131	0.045	2	2.04	0.007	0.05	0.2	0.04	2.8	0.1	0.11	8	0.6	<0.2
1365739	Soil	16	32	0.38	293	0.045	1	2.18	0.009	0.05	0.3	0.07	4.0	0.2	0.09	7	<0.5	<0.2
1365740	Soil	12	28	0.59	212	0.101	2	1.58	0.013	0.09	0.3	0.03	4.4	0.1	0.08	6	<0.5	<0.2
1365742	Soil	9	23	0.31	236	0.036	<1	1.31	0.008	0.06	0.2	0.05	2.5	0.1	<0.05	5	<0.5	<0.2
1365735	Soil	4	10	0.11	31	0.043	1	0.54	0.012	0.02	<0.1	0.03	0.9	<0.1	<0.05	4	<0.5	<0.2
1260393	Soil	10	33	0.58	272	0.039	<1	1.78	0.010	0.06	0.2	0.07	4.0	0.1	<0.05	6	<0.5	<0.2
1365743	Soil	14	29	0.36	286	0.038	<1	1.77	0.012	0.05	0.2	0.06	3.5	0.1	<0.05	6	<0.5	<0.2
1260396	Soil	11	28	0.38	166	0.044	<1	1.22	0.012	0.09	0.3	0.02	3.1	0.2	0.08	5	0.9	<0.2
1260397	Soil	12	32	0.41	309	0.035	<1	1.38	0.024	0.09	0.3	0.04	3.5	0.3	0.14	5	1.2	<0.2



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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1260394	Soil	3.2	47.2	16.0	56	0.3	21.8	10.0	382	2.79	39.4	1.2	5.4	2.1	23	0.2	1.2	1.2	70	0.25	0.071
1260395	Soil	5.2	59.3	27.6	48	0.4	22.2	8.9	223	2.82	103.7	1.4	9.7	4.8	32	0.2	2.7	4.3	60	0.14	0.056
1260399	Soil	2.5	45.3	12.5	50	0.6	19.9	9.8	225	2.74	47.3	1.7	11.5	1.8	26	0.1	1.1	0.8	70	0.33	0.064
1395277	Soil	1.3	24.4	13.3	58	0.4	18.0	7.9	192	2.31	15.2	1.0	3.7	1.1	23	0.2	0.5	0.5	60	0.25	0.058
1260398	Soil	16.5	75.1	19.1	75	0.3	30.7	14.8	399	3.62	80.0	2.3	23.0	4.2	27	0.4	2.2	2.6	91	0.38	0.064
1260400	Soil	1.0	35.7	12.0	72	<0.1	13.9	19.9	471	4.50	10.1	0.4	25.7	3.1	20	0.2	0.4	0.2	124	0.33	0.036
1278030	Soil	4.5	38.2	27.7	99	0.3	16.3	7.4	291	2.20	59.0	1.0	20.4	2.2	30	0.3	1.0	1.7	53	0.35	0.060
1278022	Soil	6.3	17.6	20.1	63	<0.1	14.5	10.9	671	2.69	13.2	1.1	2.6	2.2	69	0.1	1.5	0.4	41	0.17	0.050
1278004	Soil	1.5	55.0	14.4	56	0.1	45.4	15.6	360	3.56	6.3	1.4	9.8	4.7	76	0.2	0.4	0.1	106	0.60	0.124
1395276	Soil	1.3	36.2	12.3	66	0.2	20.4	14.3	299	3.18	15.3	0.8	6.5	2.2	16	0.2	0.6	0.2	86	0.27	0.050
1278012	Soil	1.4	31.8	13.9	46	0.1	13.7	9.9	262	2.66	5.0	0.7	10.5	2.0	108	0.3	0.3	0.3	86	0.35	0.081
1278005	Soil	1.3	50.3	15.2	51	0.1	26.6	12.5	278	2.95	5.4	1.4	5.2	4.5	108	0.2	0.3	0.2	85	0.51	0.106
1278021	Soil	4.8	24.6	103.3	138	0.1	17.0	8.0	258	2.99	179.4	0.7	13.5	2.3	39	0.4	6.6	0.3	74	0.20	0.074
1278032	Soil	3.6	19.6	55.5	81	0.6	8.8	8.7	711	2.58	39.8	8.5	7.5	10.0	135	0.3	0.5	0.9	61	0.77	0.111
1278033	Soil	2.6	27.7	44.0	68	0.5	10.1	9.2	559	2.79	31.4	1.9	3.3	9.9	76	0.2	0.4	0.8	57	0.36	0.058
1278020	Soil	3.3	19.7	18.7	51	0.1	18.4	10.5	258	3.13	11.1	0.6	3.0	3.6	45	0.1	0.6	0.2	81	0.19	0.031
1278001	Soil	1.2	405.6	20.4	158	0.2	192.2	68.3	751	14.31	3.5	1.2	30.5	7.1	15	<0.1	0.4	0.2	189	0.26	0.040
1278008	Soil	1.5	57.7	13.9	38	0.2	12.6	9.3	179	2.03	4.0	0.8	19.9	1.4	240	0.1	0.2	0.2	59	0.44	0.101
1278006	Soil	1.8	39.7	11.6	48	0.1	21.0	11.3	271	2.56	5.3	1.1	43.8	4.1	71	0.1	0.4	0.1	81	0.33	0.085
1278011	Soil	1.6	39.8	17.6	41	<0.1	13.2	9.8	204	2.15	3.9	0.7	10.3	1.8	143	0.2	0.2	0.2	62	0.39	0.072
1278009	Soil	1.8	64.2	14.4	43	0.1	13.3	11.3	245	2.49	4.5	0.8	63.5	1.8	127	0.2	0.2	0.2	74	0.39	0.091
1278010	Soil	1.3	39.0	15.0	45	0.1	12.5	9.1	194	2.52	4.2	0.8	13.6	1.8	157	<0.1	0.2	0.1	77	0.48	0.087
1278027	Soil	1.2	12.2	7.3	28	0.3	3.9	1.9	72	0.96	5.6	0.2	1.8	0.7	7	0.2	0.3	1.8	26	0.04	0.014
1278034	Soil	2.4	19.4	26.5	64	0.1	11.8	8.9	551	3.20	28.4	1.4	2.7	10.8	74	0.2	0.5	0.9	74	0.45	0.084
1278003	Soil	1.0	33.9	11.1	52	0.2	27.0	10.0	314	2.74	7.6	1.1	9.1	3.7	35	0.2	0.5	0.1	67	0.25	0.057
1278023	Soil	2.0	20.5	28.8	66	<0.1	14.4	8.3	398	2.70	15.1	0.6	1.9	2.5	45	0.2	0.7	0.3	59	0.16	0.055
1278017	Soil	2.4	14.3	27.1	52	0.2	9.7	7.1	697	1.91	4.5	0.8	11.0	2.3	99	0.3	0.7	0.3	59	0.49	0.081
1278007	Soil	1.7	46.8	16.7	49	0.2	18.6	9.6	176	2.41	5.4	1.2	8.6	2.6	72	0.1	0.3	0.3	73	0.34	0.093
1278013	Soil	1.4	31.7	14.9	47	0.2	13.3	7.4	210	2.40	4.6	1.1	23.7	1.8	71	0.2	0.4	0.2	78	0.36	0.082
1278002	Soil	2.3	58.4	16.1	60	0.2	21.3	14.9	438	3.31	6.4	1.6	9.1	6.3	130	0.3	0.5	0.2	100	0.56	0.086

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
1260394	Soil	11	34	0.60	244	0.049	<1	1.62	0.010	0.09	0.3	0.03	3.8	0.2	<0.05	5	0.8	<0.2
1260395	Soil	12	29	0.38	203	0.027	<1	1.26	0.026	0.10	0.3	0.02	3.2	0.2	0.18	4	1.1	<0.2
1260399	Soil	13	32	0.56	285	0.058	1	1.84	0.012	0.09	0.2	0.10	5.5	0.2	<0.05	6	<0.5	<0.2
1395277	Soil	12	32	0.60	385	0.040	<1	1.86	0.009	0.07	0.1	0.07	4.2	0.2	<0.05	7	<0.5	<0.2
1260398	Soil	20	35	0.58	333	0.044	<1	1.54	0.013	0.12	0.4	0.04	5.6	0.3	0.09	6	1.2	<0.2
1260400	Soil	8	27	1.87	381	0.221	<1	2.44	0.012	0.93	0.3	<0.01	9.5	0.6	<0.05	8	<0.5	<0.2
1278030	Soil	10	26	0.43	187	0.035	<1	1.50	0.012	0.06	0.7	0.03	2.8	0.1	<0.05	5	<0.5	<0.2
1278022	Soil	6	18	0.28	205	0.008	<1	1.77	0.008	0.05	1.7	0.04	1.8	0.1	<0.05	4	<0.5	<0.2
1278004	Soil	15	90	1.01	205	0.130	<1	1.89	0.023	0.26	0.3	0.02	3.8	0.2	<0.05	6	<0.5	<0.2
1395276	Soil	8	32	0.92	224	0.106	<1	1.74	0.012	0.29	0.2	0.02	5.8	0.3	<0.05	6	<0.5	<0.2
1278012	Soil	8	26	0.47	152	0.070	1	1.40	0.020	0.06	0.2	0.02	2.0	<0.1	<0.05	5	<0.5	<0.2
1278005	Soil	12	49	0.75	153	0.081	<1	1.79	0.021	0.14	0.2	0.01	3.3	0.1	<0.05	6	<0.5	<0.2
1278021	Soil	7	28	0.42	99	0.097	3	1.23	0.013	0.05	0.7	0.03	2.4	0.1	<0.05	6	<0.5	<0.2
1278032	Soil	23	15	0.55	173	0.049	2	1.92	0.016	0.06	0.2	0.04	4.2	0.2	<0.05	8	<0.5	<0.2
1278033	Soil	15	19	0.42	167	0.030	2	1.70	0.010	0.04	0.2	0.03	3.5	0.2	<0.05	6	<0.5	<0.2
1278020	Soil	8	27	0.51	141	0.097	2	1.98	0.011	0.05	0.2	0.04	2.7	0.1	<0.05	6	<0.5	<0.2
1278001	Soil	15	565	0.12	128	0.147	4	3.56	0.012	0.05	<0.1	0.03	36.8	<0.1	<0.05	19	<0.5	<0.2
1278008	Soil	8	26	0.66	176	0.038	<1	1.61	0.018	0.06	0.2	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
1278006	Soil	12	41	0.52	182	0.084	1	1.31	0.018	0.08	0.4	0.02	2.8	<0.1	<0.05	4	0.5	<0.2
1278011	Soil	9	21	0.58	157	0.068	1	1.58	0.018	0.07	0.1	0.02	2.5	<0.1	<0.05	5	<0.5	<0.2
1278009	Soil	9	27	0.59	158	0.065	1	1.42	0.020	0.06	0.2	0.02	2.6	<0.1	<0.05	5	<0.5	<0.2
1278010	Soil	9	23	0.58	143	0.072	<1	1.54	0.021	0.08	0.1	0.03	2.2	<0.1	<0.05	6	<0.5	<0.2
1278027	Soil	3	8	0.05	54	0.027	<1	0.47	0.013	0.02	<0.1	0.03	0.6	<0.1	<0.05	3	<0.5	<0.2
1278034	Soil	18	20	0.50	170	0.042	<1	1.58	0.010	0.04	0.2	0.02	3.1	0.1	<0.05	6	<0.5	<0.2
1278003	Soil	14	34	0.62	183	0.089	2	1.58	0.018	0.09	0.2	0.03	3.5	<0.1	<0.05	5	<0.5	<0.2
1278023	Soil	8	23	0.39	129	0.060	<1	1.60	0.009	0.06	0.7	0.05	2.9	0.1	<0.05	7	<0.5	<0.2
1278017	Soil	10	21	0.54	380	0.019	2	1.42	0.015	0.05	0.2	0.02	3.7	0.1	<0.05	4	<0.5	<0.2
1278007	Soil	12	32	0.64	185	0.065	<1	1.64	0.019	0.05	0.2	0.04	3.2	0.1	<0.05	6	0.7	<0.2
1278013	Soil	9	27	0.53	205	0.060	1	1.44	0.018	0.05	1.2	0.03	2.9	0.1	<0.05	5	<0.5	<0.2
1278002	Soil	15	30	0.75	104	0.123	<1	1.99	0.034	0.13	0.3	0.03	4.1	<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	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1278028	Soil		3.6	45.3	35.4	108	0.3	14.3	7.5	308	2.24	40.8	1.1	13.3	2.6	29	0.7	1.2	5.2	44	0.18	0.039
1278019	Soil		2.2	11.2	10.9	34	0.1	7.0	4.4	107	2.00	3.5	0.5	2.7	0.8	50	0.2	0.3	0.2	68	0.17	0.040
1278024	Soil		1.4	15.7	17.8	43	<0.1	11.3	4.9	186	2.24	8.9	0.4	4.5	2.4	12	0.1	0.6	0.2	54	0.07	0.023
1278031	Soil		4.3	23.7	26.0	76	0.3	18.7	13.2	803	3.22	18.7	8.6	3.5	8.9	60	0.4	0.6	0.3	66	0.47	0.077
1278029	Soil		4.6	34.5	35.3	101	0.2	13.4	7.0	365	2.17	57.6	0.9	5.2	2.6	49	0.4	1.2	2.7	40	0.43	0.056
1278018	Soil		2.4	16.5	41.7	55	0.3	9.7	6.6	310	1.65	4.9	0.9	3.1	1.3	105	0.3	0.5	0.4	52	0.35	0.071
1278016	Soil		2.6	20.2	32.2	59	0.3	11.2	8.2	429	1.83	5.8	1.2	4.3	1.0	57	0.2	0.5	0.3	48	0.26	0.071
1278014	Soil		2.2	24.2	18.2	45	0.2	11.7	8.0	199	2.14	4.8	1.2	3.5	1.6	50	0.2	0.4	0.2	68	0.25	0.076
1278015	Soil		1.7	19.6	20.4	47	0.2	11.4	7.0	236	1.87	4.3	1.1	7.9	1.4	50	<0.1	0.4	0.2	51	0.24	0.076
1365651	Soil		2.1	22.6	2.1	37	0.3	20.5	9.4	354	2.13	4.0	0.2	0.9	0.7	34	0.2	0.3	<0.1	52	0.67	0.054
1365654	Soil		1.3	23.9	31.5	62	0.6	13.3	8.2	747	2.04	18.9	1.6	5.8	2.3	39	0.5	0.9	1.5	46	0.34	0.046
1365652	Soil		4.1	14.6	43.4	70	0.5	12.4	8.2	356	2.17	34.8	0.7	2.6	2.4	46	0.2	0.8	0.9	51	0.33	0.058
1365655	Soil		1.4	35.5	15.8	61	0.6	13.8	10.1	746	2.60	9.6	2.6	3.3	2.8	46	0.6	0.6	0.4	45	1.09	0.066
1365653	Soil		2.4	18.2	30.0	59	0.4	11.6	7.2	373	1.92	25.1	1.0	1.9	1.9	41	0.2	0.9	0.8	44	0.29	0.050
1365656	Soil		1.9	25.1	12.6	75	0.4	10.7	9.9	1023	2.93	6.2	3.7	4.7	4.3	31	0.4	0.5	0.3	55	0.51	0.046
1365650	Soil		1.8	27.0	51.1	86	1.0	12.0	8.8	289	2.19	42.3	1.1	2.4	2.7	46	0.4	1.6	1.6	51	0.37	0.056
1365630	Soil		1.5	21.0	16.7	48	0.1	17.0	9.2	264	2.15	5.4	0.8	6.0	1.8	61	0.2	0.3	0.4	70	0.35	0.065
1365633	Soil		1.3	19.5	15.7	38	0.2	14.9	7.5	268	2.32	5.7	0.6	3.3	0.8	30	0.2	0.3	0.2	76	0.21	0.093
1365628	Soil		1.2	22.1	13.5	47	<0.1	17.9	9.8	350	2.88	5.6	0.6	8.8	3.2	42	0.2	0.3	0.3	107	0.31	0.085
1365632	Soil		0.9	14.6	11.1	33	<0.1	12.0	6.4	201	2.03	4.0	0.5	1.8	1.2	25	0.2	0.2	0.2	67	0.19	0.060
1365629	Soil		1.0	17.9	14.4	47	<0.1	20.1	10.9	288	2.72	7.0	0.8	2.1	3.2	27	<0.1	0.3	0.2	79	0.21	0.065
1365627	Soil		1.3	27.2	19.4	47	<0.1	25.3	11.2	329	2.96	5.0	0.7	1.8	2.7	74	0.2	0.3	0.2	105	0.39	0.086
1365634	Soil		1.1	22.3	14.6	47	0.1	18.7	8.6	220	2.52	5.5	0.9	3.7	2.3	53	0.1	0.2	0.2	85	0.41	0.082
1365631	Soil		1.0	19.5	13.3	40	<0.1	15.1	8.6	333	2.35	5.0	0.7	5.2	2.0	45	0.3	0.3	0.2	84	0.28	0.073
1365637	Soil		1.2	23.5	14.0	49	0.1	18.4	8.7	238	2.31	5.8	1.1	2.4	2.2	44	0.2	0.3	0.2	71	0.32	0.078
1365635	Soil		1.7	13.9	13.8	33	<0.1	11.8	5.4	191	2.73	6.1	0.5	1.7	2.1	13	<0.1	0.3	0.2	94	0.09	0.042
1365626	Soil		1.0	36.4	15.3	53	0.2	31.0	11.7	381	2.56	5.2	1.1	4.3	1.7	100	0.3	0.3	0.2	74	0.47	0.095
1365636	Soil		1.2	11.2	10.9	24	0.1	7.8	3.2	120	1.41	2.6	0.4	4.9	0.6	9	0.2	0.2	0.1	59	0.06	0.049
1365644	Soil		5.4	30.9	69.5	75	1.1	15.0	6.0	159	2.22	88.5	3.4	13.9	0.6	45	0.3	1.6	2.9	52	0.21	0.092
1365640	Soil		2.8	10.5	47.7	71	0.4	13.0	7.8	368	2.45	50.7	0.8	3.1	1.8	33	0.2	0.9	1.4	65	0.14	0.071

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Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
			ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
			1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2	
1278028	Soil		10	22	0.36	204	0.026	<1	1.58	0.011	0.06	0.7	0.03	2.8	0.1	<0.05	5	<0.5	<0.2
1278019	Soil		6	14	0.23	102	0.091	<1	0.92	0.016	0.05	0.2	0.04	1.0	<0.1	<0.05	5	<0.5	<0.2
1278024	Soil		7	18	0.23	122	0.046	<1	1.36	0.008	0.04	0.2	0.03	2.0	<0.1	<0.05	6	<0.5	<0.2
1278031	Soil		16	28	0.57	272	0.089	2	1.69	0.018	0.06	0.2	0.04	4.7	0.2	<0.05	6	<0.5	<0.2
1278029	Soil		8	19	0.40	194	0.035	1	1.32	0.014	0.07	0.9	0.02	3.2	0.1	<0.05	4	<0.5	<0.2
1278018	Soil		9	21	0.38	345	0.017	<1	1.49	0.018	0.06	0.2	0.04	2.7	0.1	<0.05	5	<0.5	<0.2
1278016	Soil		10	21	0.42	272	0.025	1	1.47	0.014	0.05	0.3	0.03	2.3	0.1	<0.05	5	<0.5	<0.2
1278014	Soil		9	24	0.46	200	0.050	1	1.34	0.014	0.04	0.6	0.03	2.3	0.1	<0.05	4	<0.5	<0.2
1278015	Soil		9	23	0.43	194	0.044	<1	1.34	0.014	0.04	0.4	0.03	2.3	0.1	<0.05	4	<0.5	<0.2
1365651	Soil		3	26	0.68	82	0.084	2	1.23	0.067	0.10	10.5	0.01	3.7	<0.1	<0.05	4	<0.5	<0.2
1365654	Soil		15	23	0.43	236	0.036	<1	1.37	0.010	0.06	0.2	0.05	5.1	0.1	<0.05	5	<0.5	<0.2
1365652	Soil		10	20	0.45	188	0.038	<1	1.37	0.013	0.06	0.3	0.02	3.4	0.2	<0.05	5	<0.5	<0.2
1365655	Soil		21	20	0.46	232	0.023	<1	1.67	0.009	0.07	0.1	0.06	5.1	0.2	0.06	6	<0.5	<0.2
1365653	Soil		9	20	0.38	205	0.040	<1	1.29	0.014	0.05	0.2	0.02	3.1	0.2	<0.05	5	<0.5	<0.2
1365656	Soil		18	17	0.90	214	0.059	<1	1.90	0.010	0.16	0.1	0.03	7.1	0.2	<0.05	7	<0.5	<0.2
1365650	Soil		11	22	0.47	268	0.037	<1	1.48	0.017	0.08	0.2	0.02	5.0	0.2	<0.05	5	<0.5	<0.2
1365630	Soil		9	30	0.56	174	0.072	2	1.27	0.018	0.07	0.2	0.04	2.2	0.1	<0.05	5	<0.5	<0.2
1365633	Soil		7	26	0.42	135	0.068	1	1.21	0.009	0.07	0.4	0.10	1.8	<0.1	<0.05	6	<0.5	<0.2
1365628	Soil		10	44	0.53	116	0.089	1	1.13	0.013	0.08	0.3	0.04	2.0	<0.1	<0.05	4	<0.5	<0.2
1365632	Soil		8	23	0.37	120	0.067	1	1.09	0.013	0.05	0.2	0.04	1.6	<0.1	<0.05	4	<0.5	<0.2
1365629	Soil		11	35	0.56	146	0.083	2	1.75	0.012	0.06	0.2	0.08	2.6	0.1	<0.05	5	<0.5	<0.2
1365627	Soil		12	55	0.69	216	0.097	1	1.54	0.019	0.09	0.2	0.04	2.3	0.1	<0.05	5	<0.5	<0.2
1365634	Soil		11	33	0.61	200	0.079	1	1.42	0.019	0.06	0.3	0.03	2.3	0.1	<0.05	5	<0.5	<0.2
1365631	Soil		11	32	0.46	128	0.080	2	1.09	0.014	0.09	0.2	0.06	2.1	0.1	<0.05	5	<0.5	<0.2
1365637	Soil		12	29	0.56	233	0.072	1	1.62	0.020	0.06	0.3	0.03	2.6	0.1	<0.05	5	<0.5	<0.2
1365635	Soil		7	26	0.35	66	0.107	<1	1.15	0.009	0.04	0.2	0.05	1.7	0.1	<0.05	8	<0.5	<0.2
1365626	Soil		11	43	0.77	198	0.076	1	1.62	0.023	0.11	0.2	0.06	2.7	0.1	0.06	5	<0.5	<0.2
1365636	Soil		5	20	0.16	40	0.060	<1	0.59	0.012	0.04	0.2	0.07	0.9	<0.1	<0.05	4	<0.5	<0.2
1365644	Soil		10	28	0.36	520	0.032	2	1.77	0.011	0.11	0.1	0.07	2.3	0.4	<0.05	6	<0.5	<0.2
1365640	Soil		9	27	0.39	148	0.071	2	1.54	0.010	0.09	0.1	0.09	2.7	0.2	<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	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1365648	Soil		2.3	22.5	31.7	72	0.5	12.7	6.3	177	2.24	36.0	1.2	8.9	1.1	34	0.3	0.8	1.3	56	0.21	0.060
1365645	Soil		2.8	17.8	36.5	61	0.3	12.9	7.0	302	2.11	38.0	0.6	2.3	1.6	42	0.2	0.9	1.5	54	0.20	0.050
1365647	Soil		2.0	33.0	28.9	88	0.6	16.0	6.7	171	2.21	27.3	2.4	6.4	1.1	40	0.4	0.9	1.0	48	0.27	0.071
1365642	Soil		4.5	15.9	143.7	43	1.1	9.2	4.6	156	1.39	106.1	4.1	10.7	1.5	64	0.2	1.7	2.2	33	0.15	0.166
1365638	Soil		1.2	16.6	54.4	59	0.5	11.2	6.0	118	1.93	26.6	0.7	5.7	0.7	26	0.3	0.9	0.5	50	0.21	0.078
1365643	Soil		5.6	19.8	79.0	61	0.9	13.3	5.8	175	2.01	106.8	1.5	20.9	2.0	48	0.2	2.2	2.9	50	0.28	0.095
1365646	Soil		2.5	25.5	31.0	73	0.4	13.9	5.2	186	1.67	23.5	1.3	2.4	0.5	60	0.4	0.7	0.9	42	0.21	0.052
1365641	Soil		5.5	62.0	195.2	86	2.4	20.0	7.1	201	1.88	139.0	4.9	16.0	0.4	80	1.0	2.6	5.1	38	0.31	0.146
1365649	Soil		2.4	31.9	257.8	136	4.9	13.2	10.1	531	2.73	24.9	0.7	8.9	2.5	40	0.5	6.7	1.4	68	0.38	0.051
1365639	Soil		1.5	15.0	45.6	53	0.8	11.9	4.0	78	1.64	41.4	1.3	4.5	0.3	29	0.5	1.1	1.4	39	0.25	0.092
1277838	Soil		1.5	38.4	12.6	50	0.1	19.8	13.4	407	2.61	5.1	1.0	11.8	2.1	122	0.1	0.4	0.2	82	0.72	0.096
1277862	Soil		1.3	18.4	12.6	54	0.1	17.3	8.4	313	3.13	11.3	0.5	3.0	2.7	16	0.2	0.6	0.2	67	0.18	0.032
1277842	Soil		2.2	19.2	14.0	56	0.1	19.6	23.5	1162	3.56	8.5	0.9	163.2	3.3	62	0.2	0.4	0.6	109	0.37	0.080
1277836	Soil		1.3	39.1	18.4	60	<0.1	25.9	13.8	318	3.30	8.6	0.5	6.0	2.2	46	0.2	0.5	0.2	103	0.29	0.066
1277844	Soil		2.0	18.5	13.0	51	0.1	18.3	7.0	232	2.45	10.4	1.2	3.4	0.8	22	0.2	0.5	0.6	63	0.25	0.072
1277846	Soil		1.1	16.4	16.3	62	<0.1	22.2	20.2	359	2.83	6.9	0.7	3.3	3.3	22	0.1	0.4	0.4	79	0.20	0.033
1277840	Soil		2.0	15.3	22.1	48	0.1	16.8	13.4	566	2.86	6.9	0.9	6.3	1.3	38	0.3	0.4	0.4	85	0.29	0.093
1277839	Soil		1.9	35.0	14.8	56	0.2	20.0	15.4	615	2.61	6.4	1.3	7.0	2.0	102	0.3	0.4	0.2	72	0.76	0.097
1277856	Soil		1.2	26.5	11.7	55	0.5	17.4	10.1	347	2.82	23.8	1.3	11.1	2.6	13	0.3	1.6	0.3	58	0.16	0.065
1277843	Soil		2.6	16.0	14.6	58	0.2	25.2	21.1	1307	2.78	10.9	1.4	3.9	1.8	35	0.2	0.4	0.5	62	0.34	0.085
1277845	Soil		1.0	13.3	5.0	14	0.2	3.8	1.8	42	0.88	1.8	0.4	1.9	<0.1	9	0.1	0.2	0.1	25	0.06	0.043
1277853	Soil		1.4	21.9	9.1	46	0.2	11.0	6.3	234	2.45	19.7	1.1	3.5	1.1	15	0.1	1.6	0.3	41	0.14	0.057
1277851	Soil		2.6	25.4	2.5	43	0.3	23.6	10.4	404	2.39	4.3	0.3	1.6	0.9	38	0.2	0.3	<0.1	62	0.78	0.057
1277837	Soil		1.5	27.2	13.5	44	<0.1	14.7	7.9	216	2.69	6.9	1.0	5.6	2.2	25	0.3	0.4	0.3	65	0.17	0.052
1277863	Soil		1.4	19.2	10.8	28	0.3	7.3	3.4	137	1.61	4.9	0.6	1.1	0.4	13	0.2	0.4	0.3	42	0.09	0.051
1277859	Soil		1.2	15.1	8.8	34	0.4	8.3	4.3	174	1.72	5.9	0.7	2.9	0.7	15	0.7	0.4	0.2	36	0.13	0.042
1277861	Soil		1.0	28.1	16.2	70	0.2	17.0	10.2	582	3.57	13.1	1.2	5.4	2.9	16	0.2	0.8	0.3	63	0.16	0.041
1277866	Soil		1.0	16.2	17.7	58	0.2	8.6	9.4	408	3.37	10.7	1.2	5.2	3.0	23	0.2	0.9	0.3	46	0.17	0.067
1277860	Soil		0.9	15.8	14.6	65	<0.1	14.1	8.1	413	2.88	9.0	0.5	2.4	2.3	13	0.3	0.6	0.2	55	0.12	0.037
1277864	Soil		0.9	10.6	9.8	41	<0.1	6.6	4.0	254	2.22	7.0	0.3	2.2	1.3	8	0.1	0.4	0.2	57	0.07	0.034

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1365648	Soil	9	23	0.41	251	0.046	1	1.43	0.014	0.08	<0.1	0.05	2.7	0.2	<0.05	5	<0.5	<0.2
1365645	Soil	8	23	0.32	209	0.055	1	1.40	0.013	0.10	0.2	0.03	2.1	0.2	<0.05	5	<0.5	<0.2
1365647	Soil	11	25	0.38	432	0.047	2	1.66	0.016	0.08	0.1	0.07	3.5	0.2	0.06	5	<0.5	<0.2
1365642	Soil	8	16	0.22	455	0.028	1	0.95	0.007	0.08	0.1	0.02	1.7	0.3	<0.05	3	<0.5	<0.2
1365638	Soil	10	21	0.38	171	0.062	2	1.19	0.013	0.07	0.2	0.08	2.2	0.2	<0.05	5	<0.5	<0.2
1365643	Soil	11	22	0.35	488	0.053	1	1.13	0.013	0.11	0.7	0.04	2.3	0.3	<0.05	4	<0.5	<0.2
1365646	Soil	7	22	0.28	347	0.034	1	1.46	0.016	0.09	0.1	0.04	1.8	0.2	0.05	4	<0.5	<0.2
1365641	Soil	10	32	0.26	1010	0.017	2	1.38	0.011	0.09	0.2	0.09	1.7	0.4	0.14	4	<0.5	<0.2
1365649	Soil	9	28	0.68	241	0.048	1	1.69	0.013	0.09	0.2	0.03	4.7	0.3	<0.05	6	<0.5	<0.2
1365639	Soil	9	26	0.26	185	0.036	2	0.98	0.011	0.05	0.2	0.10	1.6	0.2	0.13	4	<0.5	<0.2
1277838	Soil	13	38	0.60	246	0.056	<1	1.77	0.033	0.09	0.2	0.07	3.3	0.1	<0.05	5	<0.5	<0.2
1277862	Soil	9	27	0.51	179	0.072	1	1.69	0.007	0.12	0.2	0.03	3.9	0.1	<0.05	7	<0.5	<0.2
1277842	Soil	13	32	0.61	234	0.058	<1	1.63	0.020	0.09	0.2	0.03	3.8	0.2	<0.05	6	<0.5	<0.2
1277836	Soil	10	39	0.64	143	0.074	1	2.01	0.020	0.06	0.2	0.05	2.8	0.1	<0.05	6	<0.5	<0.2
1277844	Soil	12	26	0.36	159	0.029	1	1.48	0.011	0.05	0.2	0.03	3.1	0.2	<0.05	6	<0.5	<0.2
1277846	Soil	13	31	0.56	180	0.052	1	2.02	0.010	0.05	0.2	0.03	5.7	0.2	<0.05	6	<0.5	<0.2
1277840	Soil	15	26	0.48	184	0.051	1	1.50	0.014	0.06	0.2	0.09	2.7	<0.1	0.06	6	<0.5	<0.2
1277839	Soil	15	31	0.63	305	0.049	1	1.87	0.030	0.07	0.2	0.08	3.8	0.1	0.06	6	<0.5	<0.2
1277856	Soil	16	28	0.43	227	0.043	1	1.57	0.009	0.09	0.2	0.17	4.7	0.2	<0.05	5	<0.5	<0.2
1277843	Soil	13	26	0.39	225	0.019	2	1.45	0.011	0.05	0.2	0.06	4.2	0.3	<0.05	5	<0.5	<0.2
1277845	Soil	4	9	0.05	45	0.013	<1	0.50	0.014	0.02	<0.1	0.04	0.4	<0.1	0.06	3	<0.5	<0.2
1277853	Soil	12	19	0.31	232	0.028	<1	1.29	0.012	0.13	0.2	0.06	3.1	0.2	0.09	5	<0.5	<0.2
1277851	Soil	4	29	0.75	93	0.117	<1	1.43	0.068	0.12	13.2	<0.01	4.6	<0.1	<0.05	5	<0.5	<0.2
1277837	Soil	11	26	0.41	201	0.060	<1	1.89	0.018	0.04	0.1	0.06	2.9	0.1	<0.05	7	0.7	<0.2
1277863	Soil	8	13	0.18	125	0.042	<1	0.87	0.007	0.07	0.2	0.05	2.0	0.1	0.07	6	<0.5	<0.2
1277859	Soil	9	13	0.26	123	0.049	<1	0.95	0.008	0.13	0.1	0.05	2.9	0.1	0.10	5	<0.5	<0.2
1277861	Soil	13	26	0.77	190	0.085	<1	2.13	0.008	0.28	0.2	0.04	6.0	0.2	0.07	8	<0.5	<0.2
1277866	Soil	18	15	0.59	189	0.084	1	1.78	0.011	0.33	0.2	0.05	6.6	0.2	0.20	7	<0.5	<0.2
1277860	Soil	10	21	0.57	118	0.083	1	1.56	0.007	0.14	0.2	0.02	3.6	0.1	0.08	6	<0.5	<0.2
1277864	Soil	8	14	0.22	75	0.065	<1	1.08	0.008	0.05	0.3	0.02	2.3	<0.1	0.06	7	<0.5	<0.2

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1277847	Soil	1.2	17.4	18.1	48	0.2	16.1	13.6	312	2.38	5.2	0.8	2.5	1.1	34	0.2	0.4	0.4	79	0.32	0.060
1277841	Soil	1.4	27.8	16.6	53	0.1	15.9	8.9	227	2.63	5.0	1.1	13.1	2.4	68	0.1	0.4	0.3	90	0.43	0.094
1277849	Soil	0.8	14.5	11.0	47	0.2	12.6	10.4	579	2.26	12.1	0.8	4.2	1.5	14	0.2	0.6	0.3	46	0.17	0.049
1277857	Soil	1.2	18.1	43.3	61	0.2	13.3	8.6	403	3.09	11.7	0.6	2.4	2.6	17	0.5	0.9	0.2	61	0.16	0.029
1277858	Soil	1.1	18.6	18.8	64	0.3	12.9	8.1	419	2.94	9.2	0.9	2.3	1.7	18	0.3	0.9	0.2	44	0.18	0.058
1277850	Soil	1.1	16.8	11.9	51	0.2	12.0	5.5	217	2.32	11.6	0.6	1.1	1.4	12	0.4	0.7	0.2	49	0.10	0.050
1277852	Soil	1.2	18.8	8.3	39	0.2	9.6	3.8	156	1.74	7.5	0.9	1.7	0.5	21	0.7	0.4	0.2	30	0.18	0.064
1277835	Soil	1.6	53.7	17.0	55	0.2	21.6	12.2	171	2.96	5.9	1.4	23.0	4.7	182	0.2	0.4	0.2	96	0.59	0.107
1277865	Soil	1.4	37.2	20.4	66	0.4	15.3	8.7	327	3.37	12.3	2.2	7.3	1.2	18	0.2	0.7	0.4	54	0.16	0.086
1277855	Soil	0.8	19.2	13.1	43	0.2	11.6	5.7	323	2.31	8.1	1.2	2.7	0.7	17	0.3	1.1	0.2	44	0.16	0.059
1277854	Soil	1.2	13.6	9.3	35	0.2	9.5	5.5	229	2.62	11.2	0.5	5.7	2.3	10	0.1	0.9	0.2	54	0.08	0.035
1277848	Soil	1.7	30.3	27.4	53	0.2	16.7	13.9	373	3.08	15.4	1.2	8.8	1.8	75	0.2	0.6	0.5	82	0.35	0.082
1278076	Soil	0.8	22.4	10.3	55	<0.1	17.9	9.5	454	2.65	7.4	0.6	3.3	3.7	11	0.2	0.6	0.2	46	0.16	0.050
1278069	Soil	1.0	19.5	10.0	48	<0.1	14.2	6.3	245	2.62	17.0	0.6	5.2	1.5	12	0.2	0.8	0.2	49	0.11	0.041
1294699	Soil	1.6	40.8	19.7	66	<0.1	28.4	14.3	500	3.22	7.7	0.9	30.8	4.9	142	0.2	0.5	0.2	94	0.49	0.100
1294700	Soil	1.0	45.9	21.0	62	<0.1	19.3	13.1	512	3.57	3.3	1.2	77.5	5.9	391	0.2	0.2	0.1	113	1.21	0.119
1278068	Soil	1.0	17.0	13.4	36	<0.1	10.4	4.5	159	2.51	10.3	0.5	1.6	1.9	8	0.2	0.6	0.2	59	0.08	0.026
1278078	Soil	0.7	21.1	10.6	57	<0.1	17.5	8.8	380	2.66	7.9	0.6	5.3	3.9	16	0.2	0.7	0.1	50	0.21	0.053
1278072	Soil	1.0	21.8	14.3	57	<0.1	16.5	8.3	400	2.95	13.1	0.7	5.3	3.0	14	0.2	0.7	0.2	59	0.15	0.037
1278055	Soil	1.3	43.1	18.4	59	<0.1	12.9	14.1	459	4.18	6.0	0.8	35.9	4.2	269	0.2	0.4	0.2	139	0.64	0.103
1278077	Soil	1.0	22.2	12.3	59	<0.1	17.3	8.3	415	2.49	7.5	0.6	3.5	2.8	12	0.2	0.7	0.1	46	0.19	0.053
1278059	Soil	2.3	28.8	61.7	62	0.2	18.3	20.9	407	3.80	67.8	1.6	19.8	2.2	38	0.2	1.4	1.3	79	0.17	0.082
1278051	Soil	2.5	26.7	2.3	44	0.3	23.8	10.2	382	2.42	5.0	0.3	6.5	0.9	41	0.2	0.3	<0.1	60	0.82	0.060
1278053	Soil	1.8	75.6	18.7	64	0.1	18.7	17.2	612	4.61	6.3	1.3	117.2	6.2	133	0.2	0.4	0.4	138	0.79	0.137
1278071	Soil	0.9	25.0	9.8	53	<0.1	18.9	7.4	240	2.74	12.6	0.7	2.1	3.2	13	0.1	0.6	0.2	53	0.17	0.046
1278054	Soil	2.9	71.5	24.1	72	0.1	20.7	15.7	662	3.89	10.3	1.9	12.2	3.0	116	0.2	0.6	0.3	89	0.40	0.100
1278075	Soil	0.9	21.7	11.6	61	<0.1	17.1	7.8	363	2.94	8.8	0.7	3.1	3.8	12	0.2	0.7	0.2	53	0.13	0.038
1278067	Soil	0.9	20.4	9.0	36	<0.1	11.3	4.2	147	2.61	12.7	0.6	4.0	2.9	11	<0.1	0.6	0.3	50	0.08	0.024
1278073	Soil	0.9	18.8	9.9	53	0.1	14.1	8.2	400	2.62	9.2	0.6	4.6	1.0	13	0.2	0.6	0.2	52	0.15	0.053
1278052	Soil	1.9	44.7	14.2	70	<0.1	18.3	15.2	633	4.19	5.2	0.8	42.5	4.6	103	0.2	0.4	0.3	108	0.62	0.119

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	
1277847	Soil	11	23	0.52	211	0.047	<1	1.65	0.013	0.05	0.2	0.04	7.6	0.2	0.17	6	<0.5	<0.2
1277841	Soil	13	30	0.61	191	0.065	<1	1.72	0.022	0.06	0.3	0.04	3.6	0.1	0.09	6	<0.5	<0.2
1277849	Soil	12	23	0.36	159	0.049	<1	1.24	0.010	0.08	0.2	0.07	3.5	0.1	0.11	5	<0.5	<0.2
1277857	Soil	11	22	0.46	212	0.070	1	1.64	0.007	0.13	0.1	0.04	3.3	0.1	<0.05	7	<0.5	<0.2
1277858	Soil	12	19	0.54	211	0.075	<1	1.61	0.009	0.23	0.2	0.05	4.5	0.2	0.07	7	<0.5	<0.2
1277850	Soil	11	20	0.29	166	0.045	<1	1.25	0.009	0.08	0.2	0.05	3.3	0.1	0.10	6	<0.5	<0.2
1277852	Soil	13	15	0.21	253	0.030	<1	1.14	0.015	0.08	0.1	0.08	2.5	<0.1	0.13	4	<0.5	<0.2
1277835	Soil	15	47	0.76	230	0.072	<1	1.96	0.028	0.08	0.2	0.04	4.8	<0.1	<0.05	6	<0.5	<0.2
1277865	Soil	21	26	0.61	200	0.051	<1	2.30	0.010	0.20	0.7	0.10	6.0	0.2	0.06	8	0.5	<0.2
1277855	Soil	13	18	0.37	211	0.034	<1	1.23	0.009	0.11	0.2	0.05	2.5	0.1	0.11	5	<0.5	<0.2
1277854	Soil	11	18	0.24	147	0.049	<1	1.13	0.008	0.08	0.2	0.05	2.7	0.1	0.05	6	<0.5	<0.2
1277848	Soil	13	25	0.60	271	0.050	1	1.93	0.025	0.08	0.3	0.05	5.1	0.2	0.08	7	<0.5	<0.2
1278076	Soil	12	22	0.51	142	0.089	<1	1.60	0.007	0.15	0.2	0.02	4.5	0.1	<0.05	5	<0.5	<0.2
1278069	Soil	11	22	0.39	119	0.044	<1	1.31	0.007	0.08	0.2	0.04	2.8	0.1	0.09	6	<0.5	<0.2
1294699	Soil	17	34	0.71	282	0.135	<1	1.83	0.025	0.16	0.3	0.03	3.3	0.2	<0.05	6	<0.5	<0.2
1294700	Soil	22	32	1.34	173	0.137	<1	3.00	0.059	0.26	0.2	0.02	5.8	0.1	<0.05	9	<0.5	<0.2
1278068	Soil	10	18	0.24	115	0.050	<1	1.26	0.011	0.05	0.1	0.02	2.6	0.1	<0.05	6	<0.5	<0.2
1278078	Soil	13	26	0.54	147	0.087	2	1.49	0.009	0.10	0.2	0.02	4.1	0.1	<0.05	5	<0.5	<0.2
1278072	Soil	12	27	0.54	149	0.076	1	1.68	0.009	0.10	0.2	0.02	4.6	0.1	<0.05	6	<0.5	<0.2
1278055	Soil	14	25	1.01	183	0.082	<1	2.79	0.033	0.11	0.2	0.01	5.2	0.1	0.12	9	<0.5	<0.2
1278077	Soil	11	23	0.52	145	0.084	<1	1.45	0.009	0.14	0.2	0.01	4.2	0.1	<0.05	5	<0.5	<0.2
1278059	Soil	12	22	0.53	263	0.032	<1	1.76	0.012	0.21	0.4	0.04	8.1	0.3	0.14	6	<0.5	<0.2
1278051	Soil	4	31	0.71	98	0.122	3	1.48	0.074	0.11	13.8	<0.01	4.7	<0.1	<0.05	5	<0.5	<0.2
1278053	Soil	21	31	1.04	220	0.122	<1	2.34	0.028	0.18	0.3	0.02	5.4	0.1	<0.05	7	<0.5	0.2
1278071	Soil	12	27	0.51	134	0.071	<1	1.65	0.007	0.08	0.2	0.03	4.0	0.1	0.05	6	<0.5	<0.2
1278054	Soil	17	26	0.94	259	0.074	2	2.61	0.029	0.07	0.3	0.06	5.5	0.1	0.07	8	<0.5	<0.2
1278075	Soil	12	27	0.55	139	0.081	<1	1.93	0.007	0.10	0.2	0.02	4.4	0.1	<0.05	7	<0.5	<0.2
1278067	Soil	11	21	0.40	101	0.061	<1	1.55	0.007	0.15	0.1	0.03	4.0	0.1	0.12	6	<0.5	<0.2
1278073	Soil	10	24	0.50	135	0.043	2	1.64	0.009	0.09	0.1	0.03	2.9	0.1	0.05	6	<0.5	<0.2
1278052	Soil	18	26	0.81	202	0.068	1	1.99	0.014	0.13	0.4	0.03	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	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1278065	Soil		1.1	16.0	10.2	44	0.1	16.1	7.6	208	2.88	10.7	0.4	3.9	2.4	8	0.2	0.6	0.2	58	0.09	0.029
1278058	Soil		1.2	13.5	16.9	63	0.1	15.1	24.8	469	4.43	26.8	0.6	7.0	2.1	17	0.2	0.6	0.4	101	0.15	0.051
1278062	Soil		1.0	17.6	27.6	76	0.2	14.5	10.0	327	3.98	25.2	0.7	18.8	3.1	27	0.1	0.5	0.9	73	0.10	0.050
1278070	Soil		0.7	22.7	13.6	47	<0.1	16.5	6.6	248	2.36	10.9	0.7	4.5	2.4	14	0.1	0.5	0.2	45	0.16	0.037
1278057	Soil		1.1	29.5	11.2	50	<0.1	21.5	13.0	358	3.36	7.4	0.8	6.4	3.7	36	0.5	0.3	0.2	127	0.32	0.117
1278063	Soil		1.0	14.8	10.8	44	<0.1	14.7	7.4	214	2.92	10.7	0.6	21.3	3.2	10	0.2	0.6	0.3	42	0.09	0.029
1278061	Soil		3.5	9.2	54.0	21	0.2	6.5	4.0	141	1.05	21.9	0.8	46.4	0.4	12	0.1	0.7	0.7	24	0.04	0.051
1294698	Soil		2.2	50.4	18.7	55	0.1	29.4	11.1	352	3.11	6.7	1.0	79.1	2.6	87	0.4	0.4	0.2	83	0.23	0.088
1278060	Soil		1.8	10.4	72.6	30	0.2	7.0	10.8	319	1.12	23.8	1.0	42.5	3.9	19	<0.1	1.1	0.9	18	0.09	0.038
1278064	Soil		1.2	23.4	11.1	42	<0.1	16.5	6.6	278	2.65	36.0	0.6	3.3	1.9	10	0.1	1.2	0.4	40	0.08	0.031
1298666	Soil		2.3	23.5	63.3	83	0.6	16.3	10.9	412	2.36	33.1	0.9	15.8	1.5	55	0.3	2.0	1.0	64	0.43	0.091
1278056	Soil		1.9	18.8	9.8	34	0.1	10.3	6.1	348	2.31	3.8	0.5	0.9	0.7	29	0.3	0.3	0.2	82	0.18	0.063
1278074	Soil		1.0	19.3	10.2	63	<0.1	15.0	8.8	496	3.03	8.7	0.5	3.6	2.5	11	0.2	0.7	0.1	55	0.14	0.045
1278066	Soil		0.5	27.4	6.0	34	<0.1	9.2	4.5	135	2.60	14.7	0.7	2.4	3.2	9	<0.1	0.6	0.2	39	0.05	0.019
1298670	Soil		1.2	16.1	24.2	55	0.3	14.3	4.4	117	1.98	15.2	0.8	6.9	1.2	22	0.1	0.7	0.6	55	0.24	0.049
1298664	Soil		3.2	28.0	47.7	85	0.5	18.2	19.1	1628	3.21	25.8	1.0	10.8	1.4	73	0.4	1.5	0.7	67	0.51	0.102
1298668	Soil		0.5	11.6	15.0	36	0.3	10.9	3.5	88	1.49	8.3	0.5	7.1	0.6	24	0.1	0.3	0.4	33	0.29	0.058
1298662	Soil		2.9	24.0	43.8	79	0.4	17.1	11.2	441	2.71	19.5	0.9	11.1	1.5	66	0.4	1.4	0.7	70	0.51	0.098
1298665	Soil		2.2	24.8	45.5	80	0.5	17.2	13.3	826	2.69	21.6	0.8	6.5	1.4	64	0.4	1.2	0.7	66	0.45	0.104
1298663	Soil		2.2	27.2	56.5	87	0.6	17.5	8.7	225	2.24	26.8	1.0	7.3	1.3	57	0.4	1.8	0.8	59	0.43	0.092
1298667	Soil		0.8	12.7	15.0	44	0.2	12.1	5.2	124	1.83	13.5	0.6	4.1	0.8	22	0.2	0.4	0.4	47	0.26	0.052
1298669	Soil		0.8	13.4	31.8	62	0.3	14.0	5.4	121	2.06	12.4	0.6	5.0	1.2	24	0.2	0.5	0.4	55	0.29	0.060
1298656	Soil		1.5	24.1	18.0	56	0.2	13.9	6.9	183	2.01	7.3	0.8	5.3	0.8	29	0.2	0.6	0.2	58	0.21	0.082
1298654	Soil		2.2	35.6	85.3	307	0.6	16.2	13.2	893	2.05	18.4	0.9	5.7	1.4	19	2.5	3.2	0.6	50	0.17	0.063
1298652	Soil		1.7	7.7	19.9	65	0.2	8.1	5.6	660	1.55	5.1	0.3	1.2	0.8	12	0.5	0.5	0.2	39	0.13	0.042
1298671	Soil		2.1	20.7	19.5	64	0.3	18.1	7.9	236	2.50	19.1	1.0	5.6	1.4	23	0.3	0.7	0.4	65	0.25	0.054
1298657	Soil		0.7	13.8	11.3	44	<0.1	13.4	6.0	110	1.88	3.7	0.6	15.4	0.7	31	0.1	0.2	0.2	57	0.22	0.068
1298653	Soil		1.6	67.5	1006	440	3.7	21.9	14.1	2350	3.31	37.1	0.9	11.5	3.0	18	7.4	59.4	2.4	53	0.20	0.099
1262750	Soil		1.8	20.3	19.5	66	0.2	21.3	8.1	182	2.53	8.7	0.9	7.1	4.5	20	0.2	0.6	0.3	67	0.25	0.063
1298660	Soil		2.5	25.1	52.1	92	0.4	17.3	13.8	786	2.95	19.7	0.8	6.2	1.8	69	0.6	1.7	0.7	76	0.40	0.113

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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DAW12000268.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	
1278065	Soil	8	27	0.39	109	0.045	1	2.02	0.008	0.05	0.2	0.05	2.9	<0.1	<0.05	6	<0.5	<0.2
1278058	Soil	13	21	0.74	147	0.074	1	1.73	0.016	0.19	0.2	0.03	9.8	0.2	0.07	7	<0.5	<0.2
1278062	Soil	16	19	0.80	283	0.063	1	1.98	0.046	0.53	0.2	0.03	9.3	0.3	0.47	7	<0.5	<0.2
1278070	Soil	11	25	0.47	162	0.052	<1	1.37	0.008	0.09	0.1	0.03	3.7	<0.1	<0.05	5	<0.5	<0.2
1278057	Soil	13	51	0.63	182	0.087	1	1.76	0.020	0.08	0.3	0.03	3.6	0.1	<0.05	6	<0.5	<0.2
1278063	Soil	11	20	0.38	132	0.052	<1	1.31	0.016	0.13	0.2	0.03	3.1	0.1	0.10	4	<0.5	<0.2
1278061	Soil	12	11	0.03	101	0.003	1	0.44	0.005	0.05	0.2	0.02	0.8	0.1	<0.05	2	<0.5	0.3
1294698	Soil	13	48	0.73	249	0.123	2	1.72	0.028	0.22	0.2	0.04	2.6	0.2	0.17	6	<0.5	<0.2
1278060	Soil	15	9	0.09	132	0.004	<1	0.40	0.006	0.06	0.3	0.02	2.0	<0.1	0.09	1	<0.5	<0.2
1278064	Soil	10	23	0.34	122	0.035	1	1.33	0.014	0.10	0.1	0.04	2.6	0.2	0.10	4	<0.5	<0.2
1298666	Soil	11	26	0.53	278	0.033	1	1.58	0.018	0.06	0.3	0.06	3.5	0.2	0.05	5	0.5	<0.2
1278056	Soil	8	20	0.29	92	0.068	<1	1.10	0.019	0.05	0.2	0.16	1.7	<0.1	0.08	6	<0.5	<0.2
1278074	Soil	10	24	0.60	109	0.074	1	2.08	0.008	0.16	0.2	0.02	4.2	0.1	<0.05	6	<0.5	<0.2
1278066	Soil	11	17	0.41	134	0.057	<1	1.52	0.012	0.21	<0.1	0.03	4.1	0.2	0.08	5	<0.5	<0.2
1298670	Soil	10	26	0.52	165	0.031	<1	1.52	0.011	0.05	0.3	0.06	3.2	0.2	<0.05	6	<0.5	<0.2
1298664	Soil	13	26	0.57	396	0.036	1	1.78	0.022	0.06	0.2	0.06	4.1	0.2	0.06	5	0.7	<0.2
1298668	Soil	7	21	0.37	156	0.036	<1	1.24	0.010	0.05	0.1	0.06	2.9	0.1	0.06	5	<0.5	<0.2
1298662	Soil	12	26	0.56	307	0.039	1	1.60	0.021	0.07	0.3	0.06	4.0	0.1	0.08	5	<0.5	<0.2
1298665	Soil	12	25	0.56	342	0.037	1	1.63	0.023	0.05	0.2	0.06	3.7	0.2	0.07	5	0.5	<0.2
1298663	Soil	12	26	0.55	321	0.033	1	1.66	0.017	0.06	0.3	0.06	3.8	0.1	0.07	5	0.7	<0.2
1298667	Soil	9	25	0.44	178	0.043	<1	1.37	0.011	0.05	0.2	0.05	3.4	0.2	0.05	6	<0.5	<0.2
1298669	Soil	9	26	0.60	189	0.047	<1	1.63	0.011	0.06	0.2	0.06	4.1	0.1	0.06	6	<0.5	<0.2
1298656	Soil	9	29	0.43	173	0.032	<1	1.47	0.014	0.04	0.2	0.04	2.0	0.1	0.05	5	<0.5	<0.2
1298654	Soil	11	25	0.33	218	0.028	<1	1.20	0.010	0.06	0.1	0.04	2.4	0.1	0.05	5	<0.5	<0.2
1298652	Soil	6	15	0.19	187	0.036	2	0.78	0.014	0.04	0.1	0.06	1.3	0.1	<0.05	4	<0.5	<0.2
1298671	Soil	10	31	0.58	205	0.031	1	1.72	0.010	0.06	0.2	0.06	3.4	0.2	<0.05	6	<0.5	<0.2
1298657	Soil	9	27	0.45	146	0.043	1	1.34	0.013	0.04	0.2	0.03	1.9	0.1	<0.05	5	<0.5	<0.2
1298653	Soil	11	30	0.43	207	0.041	2	1.81	0.008	0.06	0.2	0.20	3.7	0.2	<0.05	4	<0.5	<0.2
1262750	Soil	16	34	0.48	284	0.064	1	1.90	0.011	0.04	0.3	0.04	4.7	0.1	<0.05	6	<0.5	<0.2
1298660	Soil	12	29	0.58	243	0.043	<1	1.52	0.021	0.07	0.3	0.05	3.9	0.1	<0.05	5	0.6	0.3



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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1298661	Soil	2.3	23.5	43.6	76	0.4	17.2	11.2	420	2.75	18.8	0.8	11.6	1.7	60	0.3	1.5	0.8	74	0.48	0.102
1298655	Soil	2.2	30.7	61.5	167	0.5	17.3	14.1	943	2.46	16.8	0.9	7.6	1.0	31	1.2	2.6	0.5	68	0.23	0.086
1298658	Soil	0.8	10.7	17.7	40	0.1	12.1	5.3	127	1.57	3.4	0.6	11.7	0.7	25	0.1	0.2	0.3	47	0.20	0.061
1298659	Soil	1.2	12.7	12.8	48	0.2	12.8	6.1	158	1.92	4.1	0.7	5.7	0.8	27	<0.1	0.3	0.3	51	0.23	0.072
1298679	Soil	8.6	40.8	22.5	68	0.4	22.3	9.8	325	3.61	71.0	1.5	9.8	1.9	33	0.2	1.5	1.6	85	0.37	0.067
1298682	Soil	1.4	35.3	14.2	78	0.2	23.0	17.2	515	3.67	17.9	1.1	4.6	3.1	22	0.3	0.8	0.4	87	0.31	0.048
1298672	Soil	2.4	26.1	20.5	67	0.3	20.3	9.2	266	2.92	16.4	1.1	6.9	1.7	31	0.2	0.8	0.5	73	0.31	0.056
1298681	Soil	1.4	28.8	12.5	63	0.3	17.6	15.4	647	3.38	14.7	0.9	6.2	2.2	28	0.2	0.5	0.3	80	0.34	0.049
1298677	Soil	5.1	32.1	27.6	52	0.4	17.3	6.0	140	2.23	78.0	1.3	18.6	3.6	34	0.2	2.1	3.0	53	0.40	0.051
1298678	Soil	5.6	45.1	20.1	56	0.5	20.4	10.2	320	3.22	52.6	1.5	7.3	1.2	25	0.2	1.3	1.1	79	0.25	0.075
1298675	Soil	3.9	43.2	26.3	43	0.4	18.2	7.4	227	2.57	84.3	1.9	12.9	2.1	37	0.2	2.2	2.7	56	0.39	0.064
1298680	Soil	2.4	31.5	13.9	60	0.3	15.8	8.5	190	3.07	36.0	1.3	4.5	2.0	22	0.2	0.7	0.6	75	0.26	0.052
1262982	Soil	1.8	16.2	24.2	68	0.1	15.2	12.4	781	2.31	13.0	0.7	5.3	2.0	23	0.4	0.8	0.3	58	0.20	0.051
1262988	Soil	1.0	22.5	10.6	58	0.1	16.8	9.2	453	2.86	12.0	1.1	8.8	2.7	20	0.2	1.2	0.2	49	0.19	0.055
1298676	Soil	3.3	39.8	24.3	36	0.3	16.2	5.7	160	2.32	79.6	1.6	8.4	2.1	33	0.2	2.1	2.5	46	0.32	0.053
1298673	Soil	1.3	22.4	14.0	54	0.2	17.4	5.7	168	2.46	18.2	0.9	5.3	1.4	24	0.2	0.7	0.5	59	0.23	0.050
1262993	Soil	1.1	17.7	16.4	58	<0.1	13.4	8.4	432	2.87	7.3	0.7	4.7	2.8	14	0.3	0.6	0.1	58	0.12	0.033
1262984	Soil	1.5	16.7	20.8	59	0.2	17.6	11.3	534	2.26	9.6	0.9	5.3	1.8	30	0.2	0.8	0.3	56	0.32	0.073
1262989	Soil	0.8	16.9	8.0	53	0.1	14.4	9.1	431	2.52	15.9	0.8	5.4	2.9	17	0.2	2.2	0.3	46	0.17	0.045
1262992	Soil	0.5	15.6	17.9	68	<0.1	10.9	7.3	328	2.24	7.2	0.6	2.9	2.2	15	0.4	0.6	0.1	38	0.16	0.043



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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1298661	Soil	12	27	0.57	259	0.041	1	1.61	0.022	0.06	0.3	0.05	4.2	0.2	0.07	5	<0.5	<0.2
1298655	Soil	11	34	0.44	251	0.032	1	1.51	0.014	0.06	0.1	0.05	2.7	0.2	<0.05	5	<0.5	<0.2
1298658	Soil	10	25	0.40	138	0.035	<1	1.31	0.013	0.03	0.2	0.04	2.1	0.1	<0.05	5	<0.5	<0.2
1298659	Soil	10	23	0.44	170	0.041	<1	1.40	0.014	0.05	0.2	0.05	2.5	0.1	<0.05	5	<0.5	<0.2
1298679	Soil	13	33	0.62	307	0.038	<1	1.88	0.011	0.09	0.4	0.11	5.8	0.2	<0.05	7	<0.5	<0.2
1298682	Soil	12	32	0.95	312	0.117	<1	2.11	0.012	0.24	0.2	0.05	8.8	0.2	<0.05	7	<0.5	<0.2
1298672	Soil	10	33	0.67	263	0.050	<1	1.97	0.012	0.08	0.2	0.06	4.5	0.1	<0.05	7	<0.5	<0.2
1298681	Soil	9	25	0.85	343	0.115	<1	2.01	0.014	0.24	0.2	0.03	8.2	0.2	<0.05	7	<0.5	<0.2
1298677	Soil	12	27	0.41	293	0.040	1	1.44	0.012	0.06	0.3	0.06	4.1	0.2	<0.05	5	2.2	<0.2
1298678	Soil	12	32	0.61	300	0.031	<1	1.86	0.010	0.07	0.2	0.06	4.8	0.2	<0.05	6	<0.5	<0.2
1298675	Soil	12	25	0.34	319	0.026	2	1.39	0.012	0.05	0.4	0.07	4.1	0.2	<0.05	4	3.7	<0.2
1298680	Soil	10	25	0.70	210	0.095	<1	1.67	0.013	0.11	0.2	0.06	5.9	0.2	<0.05	7	0.5	<0.2
1262982	Soil	11	23	0.38	116	0.032	<1	1.40	0.008	0.06	0.1	<0.01	3.3	0.1	<0.05	5	<0.5	<0.2
1262988	Soil	15	25	0.43	208	0.053	<1	1.43	0.013	0.12	0.2	0.03	3.9	0.1	<0.05	5	<0.5	<0.2
1298676	Soil	11	22	0.27	264	0.026	<1	1.15	0.014	0.05	0.4	0.05	3.6	0.1	<0.05	3	2.4	<0.2
1298673	Soil	11	31	0.60	227	0.053	<1	1.71	0.013	0.07	0.2	0.05	4.1	0.1	<0.05	6	<0.5	<0.2
1262993	Soil	12	22	0.49	114	0.103	<1	1.56	0.010	0.15	0.2	0.03	3.8	0.1	<0.05	7	<0.5	<0.2
1262984	Soil	12	27	0.45	209	0.036	<1	1.60	0.011	0.06	0.2	0.04	3.9	0.1	<0.05	5	<0.5	<0.2
1262989	Soil	14	22	0.42	165	0.059	<1	1.32	0.011	0.11	0.3	0.03	3.4	0.2	<0.05	4	<0.5	<0.2
1262992	Soil	11	16	0.43	103	0.082	<1	1.19	0.011	0.19	0.2	0.05	3.5	0.1	<0.05	5	<0.5	<0.2



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QUALITY CONTROL REPORT

DAW12000268.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
1278157	Soil	0.9	11.9	8.6	35	0.1	7.1	4.9	300	2.48	9.3	0.4	2.6	1.8	8	0.2	0.3	0.2	41	0.06	0.044
REP 1278157	QC	0.9	11.8	8.9	36	0.1	6.9	4.9	297	2.46	9.4	0.4	1.4	1.8	8	0.2	0.5	0.2	41	0.05	0.043
1278168	Soil	0.6	23.0	13.1	65	<0.1	12.6	9.4	724	3.26	7.2	0.7	4.7	3.7	12	0.2	0.8	<0.1	49	0.14	0.041
REP 1278168	QC	0.5	22.9	13.7	64	<0.1	12.5	8.9	705	3.19	7.0	0.7	6.7	3.9	12	0.2	0.8	<0.1	49	0.14	0.041
1369258	Soil	5.9	45.8	69.8	83	0.4	8.3	8.8	903	2.46	46.5	1.8	6.9	9.6	131	0.4	0.8	0.7	52	0.77	0.081
REP 1369258	QC	5.7	45.4	69.2	83	0.3	8.8	9.2	923	2.56	45.5	1.9	6.4	9.9	124	0.4	0.8	0.8	55	0.76	0.081
1287009	Soil	1.2	31.6	19.7	58	0.1	23.8	11.7	326	3.53	7.7	1.2	23.8	3.7	48	0.3	0.5	0.2	121	0.28	0.058
REP 1287009	QC	1.1	32.1	19.7	57	0.1	22.4	11.9	312	3.40	7.2	1.3	17.8	3.9	46	0.3	0.5	0.2	119	0.27	0.068
1263093	Soil	1.0	20.7	9.6	45	0.2	13.1	6.1	164	1.87	6.6	1.4	4.8	0.4	24	0.3	0.5	0.2	35	0.21	0.072
REP 1263093	QC	0.9	20.4	10.0	43	0.2	12.9	6.3	165	1.85	6.9	1.3	4.1	0.4	24	0.3	0.5	0.2	35	0.21	0.072
1369563	Soil	2.3	26.2	44.3	92	0.3	14.9	11.8	341	3.26	106.4	0.8	9.0	3.0	97	0.4	2.2	3.0	84	0.48	0.132
REP 1369563	QC	2.3	25.6	44.2	92	0.4	15.0	12.2	339	3.26	106.7	0.7	32.8	2.9	96	0.5	2.3	2.8	84	0.49	0.134
1365745	Soil	4.5	21.4	23.0	54	0.3	18.7	11.5	520	3.02	84.1	0.8	4.5	2.2	18	0.4	1.4	0.6	74	0.17	0.090
REP 1365745	QC	4.3	21.2	23.9	50	0.2	17.9	10.9	511	2.99	81.9	0.8	1.5	2.2	17	0.4	1.4	0.6	73	0.16	0.092
1365747	Soil	3.3	34.0	17.0	43	0.6	17.3	9.3	336	2.44	26.2	1.5	8.3	0.7	34	0.3	0.8	0.4	50	0.30	0.082
REP 1365747	QC	3.0	33.0	16.6	41	0.6	17.9	9.2	353	2.52	25.1	1.4	5.1	0.7	32	0.3	0.8	0.4	53	0.30	0.076
1395276	Soil	1.3	36.2	12.3	66	0.2	20.4	14.3	299	3.18	15.3	0.8	6.5	2.2	16	0.2	0.6	0.2	86	0.27	0.050
REP 1395276	QC	1.3	35.9	12.6	66	0.1	19.7	14.2	298	3.12	14.8	0.8	3.9	2.3	16	0.3	0.6	0.3	85	0.26	0.050
1278033	Soil	2.6	27.7	44.0	68	0.5	10.1	9.2	559	2.79	31.4	1.9	3.3	9.9	76	0.2	0.4	0.8	57	0.36	0.058
REP 1278033	QC	2.6	25.8	42.3	65	0.6	10.1	8.7	505	2.50	30.3	1.8	*	9.6	74	0.3	0.6	0.8	52	0.34	0.056
1365653	Soil	2.4	18.2	30.0	59	0.4	11.6	7.2	373	1.92	25.1	1.0	1.9	1.9	41	0.2	0.9	0.8	44	0.29	0.050
REP 1365653	QC	2.3	17.7	29.9	58	0.3	10.8	7.3	360	1.87	24.8	0.9	1.9	1.9	40	0.2	0.7	1.2	43	0.27	0.047
1365629	Soil	1.0	17.9	14.4	47	<0.1	20.1	10.9	288	2.72	7.0	0.8	2.1	3.2	27	<0.1	0.3	0.2	79	0.21	0.065
REP 1365629	QC	1.0	18.5	14.5	46	<0.1	20.0	10.6	290	2.72	7.3	0.8	9.0	3.2	29	0.1	0.3	0.2	79	0.21	0.065
1277843	Soil	2.6	16.0	14.6	58	0.2	25.2	21.1	1307	2.78	10.9	1.4	3.9	1.8	35	0.2	0.4	0.5	62	0.34	0.085
REP 1277843	QC	2.5	15.7	14.5	57	0.2	26.4	21.3	1288	2.69	10.8	1.4	3.9	1.8	33	0.2	0.5	0.5	59	0.32	0.081
1277861	Soil	1.0	28.1	16.2	70	0.2	17.0	10.2	582	3.57	13.1	1.2	5.4	2.9	16	0.2	0.8	0.3	63	0.16	0.041
REP 1277861	QC	1.1	29.7	17.4	72	0.2	17.4	11.0	580	3.72	14.3	1.2	5.0	3.2	17	0.2	0.8	0.3	66	0.16	0.040

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Project: CHA
 Report Date: September 02, 2012

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QUALITY CONTROL REPORT

DAW12000268.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
1278157	Soil	11	13	0.24	76	0.047	1	1.17	0.010	0.11	0.2	0.07	3.1	0.1	<0.05	5	<0.5	<0.2
REP 1278157	QC	11	13	0.24	78	0.045	<1	1.16	0.009	0.11	0.2	0.05	3.0	0.1	<0.05	6	<0.5	<0.2
1278168	Soil	18	29	0.74	161	0.131	<1	1.82	0.008	0.45	0.2	0.05	7.1	0.2	<0.05	7	<0.5	<0.2
REP 1278168	QC	18	19	0.76	157	0.131	2	1.80	0.009	0.43	0.2	0.04	6.5	0.2	<0.05	7	<0.5	<0.2
1369258	Soil	21	12	0.61	310	0.014	<1	2.22	0.020	0.05	0.2	0.02	4.6	0.2	<0.05	7	<0.5	<0.2
REP 1369258	QC	20	13	0.58	308	0.013	<1	2.21	0.019	0.05	0.2	0.02	4.4	0.2	<0.05	8	<0.5	<0.2
1287009	Soil	12	54	0.64	183	0.112	2	1.82	0.018	0.08	0.6	0.05	3.3	0.1	0.06	6	0.6	<0.2
REP 1287009	QC	12	52	0.63	181	0.114	1	1.89	0.018	0.08	0.4	0.06	3.3	0.1	<0.05	6	<0.5	<0.2
1263093	Soil	18	21	0.30	386	0.022	<1	1.28	0.012	0.09	0.1	0.07	2.5	0.1	0.10	5	<0.5	<0.2
REP 1263093	QC	18	21	0.30	383	0.021	<1	1.33	0.012	0.09	0.1	0.07	2.4	0.1	0.09	5	<0.5	<0.2
1369563	Soil	14	23	0.63	348	0.127	<1	1.63	0.021	0.24	0.2	0.03	4.0	0.4	0.10	6	<0.5	<0.2
REP 1369563	QC	15	23	0.62	352	0.127	1	1.61	0.021	0.25	0.2	0.03	4.1	0.4	<0.05	6	<0.5	<0.2
1365745	Soil	14	33	0.40	178	0.062	1	1.54	0.010	0.09	0.3	0.02	3.3	0.1	0.14	7	0.9	<0.2
REP 1365745	QC	14	30	0.42	183	0.059	1	1.59	0.009	0.08	0.3	0.02	3.2	0.1	0.13	7	0.8	<0.2
1365747	Soil	12	29	0.40	325	0.035	2	1.84	0.013	0.07	0.2	0.08	3.7	0.2	0.17	7	0.6	<0.2
REP 1365747	QC	12	30	0.40	316	0.037	2	1.79	0.012	0.06	0.2	0.06	3.9	0.2	0.17	6	1.0	<0.2
1395276	Soil	8	32	0.92	224	0.106	<1	1.74	0.012	0.29	0.2	0.02	5.8	0.3	<0.05	6	<0.5	<0.2
REP 1395276	QC	8	32	0.88	215	0.103	<1	1.70	0.011	0.29	0.2	0.02	5.6	0.2	<0.05	6	<0.5	<0.2
1278033	Soil	15	19	0.42	167	0.030	2	1.70	0.010	0.04	0.2	0.03	3.5	0.2	<0.05	6	<0.5	<0.2
REP 1278033	QC	15	17	0.41	166	0.029	2	1.62	0.010	0.04	0.2	0.03	3.1	0.2	<0.05	6	<0.5	<0.2
1365653	Soil	9	20	0.38	205	0.040	<1	1.29	0.014	0.05	0.2	0.02	3.1	0.2	<0.05	5	<0.5	<0.2
REP 1365653	QC	9	20	0.39	199	0.037	<1	1.30	0.013	0.05	0.2	0.02	2.9	0.2	<0.05	4	<0.5	<0.2
1365629	Soil	11	35	0.56	146	0.083	2	1.75	0.012	0.06	0.2	0.08	2.6	0.1	<0.05	5	<0.5	<0.2
REP 1365629	QC	11	34	0.55	149	0.086	2	1.81	0.013	0.06	0.3	0.08	2.6	0.1	<0.05	5	<0.5	<0.2
1277843	Soil	13	26	0.39	225	0.019	2	1.45	0.011	0.05	0.2	0.06	4.2	0.3	<0.05	5	<0.5	<0.2
REP 1277843	QC	13	25	0.39	223	0.019	1	1.42	0.011	0.05	0.1	0.05	4.3	0.3	<0.05	5	<0.5	<0.2
1277861	Soil	13	26	0.77	190	0.085	<1	2.13	0.008	0.28	0.2	0.04	6.0	0.2	0.07	8	<0.5	<0.2
REP 1277861	QC	14	27	0.77	191	0.087	1	2.23	0.014	0.26	0.2	0.04	6.1	0.2	0.07	8	0.5	<0.2

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Project: CHA
Report Date: September 02, 2012

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QUALITY CONTROL REPORT

DAW12000268.1

		1DX15 Mo ppm	1DX15 Cu ppm	1DX15 Pb ppm	1DX15 Zn ppm	1DX15 Ag ppm	1DX15 Ni ppm	1DX15 Co ppm	1DX15 Mn ppm	1DX15 Fe %	1DX15 As ppm	1DX15 U ppm	1DX15 Au ppb	1DX15 Th ppm	1DX15 Sr ppm	1DX15 Cd ppm	1DX15 Sb ppm	1DX15 Bi ppm	1DX15 V ppm	1DX15 Ca %	1DX15 P %
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1278054	Soil	2.9	71.5	24.1	72	0.1	20.7	15.7	662	3.89	10.3	1.9	12.2	3.0	116	0.2	0.6	0.3	89	0.40	0.100
REP 1278054	QC	2.9	74.6	25.4	74	0.1	21.3	16.3	698	4.11	10.7	1.9	21.8	3.0	117	0.3	0.6	0.3	97	0.43	0.096
1278062	Soil	1.0	17.6	27.6	76	0.2	14.5	10.0	327	3.98	25.2	0.7	18.8	3.1	27	0.1	0.5	0.9	73	0.10	0.050
REP 1278062	QC	1.0	16.7	28.2	76	0.1	14.1	9.9	324	3.99	25.0	0.7	10.5	3.1	27	0.1	0.6	0.9	75	0.10	0.050
1298655	Soil	2.2	30.7	61.5	167	0.5	17.3	14.1	943	2.46	16.8	0.9	7.6	1.0	31	1.2	2.6	0.5	68	0.23	0.086
REP 1298655	QC	2.3	30.9	61.4	168	0.5	17.1	14.2	932	2.46	16.9	0.9	8.6	0.9	31	1.3	2.8	0.5	67	0.24	0.088
1298675	Soil	3.9	43.2	26.3	43	0.4	18.2	7.4	227	2.57	84.3	1.9	12.9	2.1	37	0.2	2.2	2.7	56	0.39	0.064
REP 1298675	QC	3.8	44.0	25.7	43	0.4	18.2	7.4	223	2.55	83.0	1.9	15.5	1.9	37	0.1	2.1	2.4	55	0.39	0.063
Reference Materials																					
STD DS9	Standard	14.5	119.4	123.2	312	1.8	43.8	8.4	588	2.36	25.5	3.0	111.7	7.2	76	2.5	5.9	6.0	46	0.76	0.082
STD DS9	Standard	13.0	106.7	117.9	299	1.9	39.4	7.5	572	2.24	24.8	2.4	115.7	5.6	64	2.4	5.9	5.4	44	0.69	0.086
STD DS9	Standard	13.2	118.0	123.6	325	1.9	42.0	7.7	580	2.29	27.4	2.7	118.0	6.7	76	2.3	6.1	6.8	43	0.72	0.084
STD DS9	Standard	14.6	121.1	122.8	338	1.9	43.1	7.9	642	2.59	27.4	2.9	120.4	6.9	84	2.6	6.4	6.8	46	0.81	0.076
STD DS9	Standard	12.6	104.6	120.3	310	1.8	38.1	7.6	582	2.33	25.8	2.9	118.8	6.7	76	2.4	6.0	6.5	41	0.73	0.084
STD DS9	Standard	12.1	103.0	116.7	295	1.7	38.6	7.3	560	2.21	24.4	2.7	108.2	6.4	69	2.5	5.9	6.3	39	0.65	0.076
STD DS9	Standard	14.3	117.2	122.7	313	2.0	42.9	8.3	594	2.35	24.4	2.8	113.4	6.5	66	2.5	5.7	6.5	45	0.72	0.081
STD DS9	Standard	14.1	115.7	122.2	313	1.9	42.5	8.0	574	2.32	24.7	2.8	120.6	6.4	65	2.3	5.5	6.5	46	0.74	0.083
STD DS9	Standard	14.3	104.9	115.3	310	1.9	41.5	7.5	586	2.35	25.0	2.7	108.1	6.4	80	2.3	6.1	5.6	43	0.73	0.080
STD DS9	Standard	14.2	108.3	122.5	306	1.7	39.6	7.4	587	2.32	24.8	2.7	120.6	6.5	79	2.4	6.1	6.3	41	0.74	0.083
STD DS9 Expected		12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	3	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	0.2	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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QUALITY CONTROL REPORT

DAW12000268.1

		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
1278054	Soil	17	26	0.94	259	0.074	2	2.61	0.029	0.07	0.3	0.06	5.5	0.1	0.07	8	<0.5	<0.2
REP 1278054	QC	17	27	0.90	259	0.081	<1	2.61	0.029	0.07	0.3	0.06	6.0	0.1	0.14	9	<0.5	0.2
1278062	Soil	16	19	0.80	283	0.063	1	1.98	0.046	0.53	0.2	0.03	9.3	0.3	0.47	7	<0.5	<0.2
REP 1278062	QC	16	19	0.78	279	0.061	<1	1.92	0.045	0.51	0.2	0.03	9.1	0.4	0.41	7	<0.5	<0.2
1298655	Soil	11	34	0.44	251	0.032	1	1.51	0.014	0.06	0.1	0.05	2.7	0.2	<0.05	5	<0.5	<0.2
REP 1298655	QC	11	34	0.44	251	0.031	2	1.53	0.013	0.06	0.1	0.05	2.7	0.2	<0.05	5	<0.5	<0.2
1298675	Soil	12	25	0.34	319	0.026	2	1.39	0.012	0.05	0.4	0.07	4.1	0.2	<0.05	4	3.7	<0.2
REP 1298675	QC	12	26	0.34	321	0.026	<1	1.36	0.011	0.05	0.4	0.06	4.0	0.2	<0.05	4	3.3	<0.2
Reference Materials																		
STD DS9	Standard	15	132	0.63	306	0.131	3	0.97	0.095	0.37	3.0	0.20	2.7	5.4	0.17	5	5.0	5.0
STD DS9	Standard	12	120	0.63	303	0.101	3	0.93	0.090	0.37	3.0	0.19	2.3	5.4	0.17	4	6.0	4.6
STD DS9	Standard	13	120	0.58	316	0.117	3	0.94	0.084	0.35	2.9	0.21	2.7	5.6	0.26	5	5.4	5.6
STD DS9	Standard	15	129	0.61	333	0.134	2	0.96	0.097	0.42	3.2	0.20	3.4	5.6	0.21	5	5.6	5.5
STD DS9	Standard	15	115	0.60	298	0.119	3	0.95	0.090	0.36	3.1	0.21	2.8	5.3	0.13	5	5.8	5.0
STD DS9	Standard	12	112	0.57	278	0.105	3	0.83	0.079	0.32	2.7	0.20	2.3	5.1	0.14	4	4.4	5.1
STD DS9	Standard	13	127	0.62	300	0.109	2	0.87	0.087	0.35	3.0	0.18	2.2	5.5	0.17	4	5.3	5.4
STD DS9	Standard	13	126	0.62	299	0.110	2	0.92	0.084	0.37	2.9	0.23	2.4	5.3	0.14	5	4.4	5.3
STD DS9	Standard	15	126	0.72	311	0.125	2	0.98	0.097	0.37	3.1	0.20	3.0	5.4	0.09	5	5.0	5.1
STD DS9	Standard	15	119	0.63	306	0.120	2	0.96	0.096	0.41	2.9	0.19	2.8	5.5	0.14	5	5.0	5.3
STD DS9 Expected		13.3	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	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	0.02	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Project: CHA
Report Date: September 02, 2012

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QUALITY CONTROL REPORT

DAW12000268.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: CHA
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QUALITY CONTROL REPORT

DAW12000268.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Andy Randell
Receiving Lab: Canada-Dawson City
Received: August 22, 2012
Report Date: August 29, 2012
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CERTIFICATE OF ANALYSIS

DAW12000269.1

CLIENT JOB INFORMATION

Project: CHA
Shipment ID:
P.O. Number
Number of Samples: 120

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
RTRN-RJT Return

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: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Dave Schmidt
Isaac Fage

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	120	Dry at 60C			DAW
SS80	120	Dry at 60C sieve 100g to -80 mesh			DAW
RJSV	120	Saving all or part of Soil Reject			DAW
1DX2	120	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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CERTIFICATE OF ANALYSIS

DAW12000269.1

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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			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	0.1	0.5	0.1	1	0.1	0.1	2	0.01	0.001	
1262985	Soil		1.3	13.3	8.3	29	<0.1	7.6	5.1	350	1.86	7.7	0.5	2.2	1.4	8	0.1	0.5	0.2	43	0.06	0.034
1262986	Soil		0.8	18.6	8.8	66	0.1	15.9	11.9	670	2.80	12.0	0.8	7.8	3.4	13	0.3	0.9	0.2	48	0.13	0.040
1262991	Soil		0.9	25.9	14.0	67	0.2	15.0	9.2	417	2.86	9.1	0.7	0.5	2.2	13	0.3	0.7	0.2	52	0.13	0.038
1262990	Soil		0.7	12.0	10.9	56	0.2	12.6	7.7	282	2.30	10.9	0.7	<0.5	1.8	15	0.2	1.1	0.2	43	0.16	0.043
1262983	Soil		1.3	15.5	20.0	60	<0.1	14.9	9.3	299	2.04	14.4	0.7	15.7	2.6	24	0.3	0.9	0.5	55	0.24	0.054
1262999	Soil		1.7	19.9	22.9	71	0.1	15.8	10.4	386	4.06	12.0	0.6	1.2	2.9	13	0.3	0.8	0.4	73	0.08	0.048
1262987	Soil		1.0	21.6	8.2	56	<0.1	16.7	10.2	481	2.81	13.5	0.9	1.3	2.5	13	0.3	1.0	0.3	49	0.13	0.044
1262997	Soil		0.9	14.1	22.1	54	<0.1	12.5	8.7	294	2.63	9.1	0.6	103.9	2.7	16	0.3	0.6	0.2	44	0.10	0.027
1263000	Soil		1.4	29.9	12.7	51	0.1	11.8	7.3	295	3.45	11.2	1.4	2.4	2.2	15	0.3	0.6	0.4	58	0.07	0.045
1262998	Soil		0.8	9.8	8.8	36	<0.1	6.0	4.1	182	1.94	4.8	0.3	0.5	1.0	12	0.1	0.3	0.2	37	0.10	0.032
1262996	Soil		1.0	22.0	18.1	68	0.2	14.9	9.0	524	3.22	10.5	0.7	2.3	2.3	16	0.3	0.7	0.2	60	0.14	0.046
1262995	Soil		0.9	21.7	13.1	57	<0.1	18.3	10.7	351	3.11	11.6	1.3	11.4	4.5	12	0.2	0.7	0.2	61	0.11	0.023
1262994	Soil		0.7	21.8	9.9	59	0.1	12.1	8.2	523	2.55	5.8	0.7	<0.5	2.9	13	0.2	0.5	0.1	41	0.16	0.037
1262978	Soil		1.4	23.3	14.6	52	0.1	17.6	11.1	535	2.60	6.1	0.9	13.3	1.7	41	0.2	0.4	0.3	81	0.27	0.072
1262981	Soil		1.9	16.6	28.2	82	<0.1	19.6	12.4	724	2.48	13.2	0.6	2.1	2.4	21	0.3	0.8	0.6	64	0.18	0.051
1262973	Soil		1.4	16.4	19.5	53	0.2	15.9	10.6	565	2.26	5.7	0.8	15.9	1.6	50	0.2	0.4	0.4	67	0.36	0.077
1262980	Soil		1.3	21.1	14.9	52	<0.1	20.6	11.6	284	2.86	7.4	0.8	15.2	4.0	33	0.2	0.6	0.3	78	0.24	0.045
1262977	Soil		1.2	19.5	13.4	61	<0.1	16.2	10.7	413	2.71	5.2	0.8	7.6	3.3	72	0.3	0.4	0.3	81	0.46	0.085
1262968	Soil		1.8	64.3	26.3	72	0.1	57.0	16.7	355	3.25	8.7	1.0	7.9	3.4	75	0.4	0.6	0.5	88	0.35	0.066
1262972	Soil		1.2	17.6	15.3	49	0.2	14.9	8.6	257	2.13	4.4	0.8	3.1	1.4	46	0.2	0.2	0.2	64	0.31	0.079
1262979	Soil		1.4	23.8	14.6	61	0.1	21.5	12.0	441	2.87	8.4	1.0	13.5	2.8	39	0.3	0.5	0.3	81	0.33	0.074
1262969	Soil		1.3	28.8	12.3	55	<0.1	26.6	13.6	349	2.91	9.2	0.6	4.3	2.7	25	0.2	0.6	0.2	75	0.19	0.058
1262970	Soil		2.1	35.2	14.4	64	0.1	25.5	15.7	328	3.47	6.9	0.8	11.5	2.9	57	0.2	0.4	0.2	132	0.49	0.074
1262976	Soil		1.4	15.1	14.8	52	0.2	15.0	12.3	453	2.23	4.9	0.8	8.4	1.2	43	0.2	0.3	0.3	70	0.31	0.087
1262971	Soil		1.3	27.3	10.1	43	<0.1	16.9	7.5	153	2.31	3.7	0.7	7.4	1.2	91	0.1	0.3	0.1	82	0.39	0.070
1278251	Soil		2.5	24.9	2.2	40	0.3	22.2	10.0	365	2.17	4.2	0.2	<0.5	0.8	37	0.1	0.3	<0.1	56	0.74	0.053
1278256	Soil		2.3	33.0	27.9	46	0.5	17.6	5.2	98	2.34	57.4	1.8	7.7	0.6	22	0.3	1.3	0.7	48	0.22	0.070
1278272	Soil		1.4	26.9	11.8	62	0.2	15.4	9.8	213	2.90	13.2	0.5	1.2	2.2	14	0.2	0.6	0.3	85	0.18	0.024
1278260	Soil		1.4	25.4	15.2	43	0.3	14.6	7.3	287	1.96	18.5	0.9	10.9	0.9	25	0.3	0.6	0.5	54	0.27	0.052
1278265	Soil		2.6	30.6	28.9	79	0.4	22.6	11.3	401	2.78	18.3	1.2	1.9	3.0	30	0.4	1.2	0.6	75	0.25	0.045

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: CHA
 Report Date: August 29, 2012

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CERTIFICATE OF ANALYSIS

DAW12000269.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1262985	Soil	8	16	0.18	58	0.055	1	0.95	0.008	0.06	0.1	0.05	1.9	<0.1	<0.05	5	<0.5	<0.2
1262986	Soil	12	26	0.44	154	0.062	2	1.42	0.009	0.11	0.2	0.04	3.8	0.1	<0.05	5	<0.5	<0.2
1262991	Soil	11	23	0.52	139	0.084	2	1.57	0.008	0.15	0.2	0.04	4.1	0.2	<0.05	6	<0.5	<0.2
1262990	Soil	10	22	0.45	154	0.060	2	1.31	0.009	0.10	0.2	0.10	3.3	0.2	<0.05	5	<0.5	<0.2
1262983	Soil	9	23	0.39	115	0.039	2	1.15	0.010	0.05	0.2	0.01	2.8	<0.1	<0.05	4	<0.5	<0.2
1262999	Soil	11	28	0.57	146	0.092	1	2.32	0.009	0.13	0.3	0.04	5.1	0.2	<0.05	9	<0.5	<0.2
1262987	Soil	12	26	0.44	161	0.057	1	1.48	0.010	0.10	0.3	0.04	3.8	0.1	<0.05	5	<0.5	<0.2
1262997	Soil	9	19	0.42	178	0.058	2	1.45	0.008	0.12	0.2	0.03	3.7	0.1	<0.05	5	<0.5	<0.2
1263000	Soil	18	24	0.48	143	0.067	1	2.05	0.010	0.12	0.4	0.05	5.2	0.2	<0.05	8	<0.5	<0.2
1262998	Soil	6	11	0.23	56	0.062	<1	0.91	0.018	0.05	0.2	0.02	2.1	<0.1	<0.05	5	<0.5	<0.2
1262996	Soil	11	25	0.54	163	0.081	2	1.85	0.010	0.15	0.2	0.07	4.3	0.2	<0.05	7	<0.5	<0.2
1262995	Soil	18	32	0.58	134	0.098	2	2.08	0.008	0.12	0.3	0.07	5.7	0.1	<0.05	6	0.7	<0.2
1262994	Soil	12	19	0.57	145	0.098	2	1.44	0.008	0.27	0.2	0.03	4.8	0.2	<0.05	5	<0.5	<0.2
1262978	Soil	12	30	0.46	165	0.064	1	1.69	0.014	0.06	0.2	0.05	2.8	0.1	<0.05	6	<0.5	<0.2
1262981	Soil	10	27	0.50	148	0.043	2	1.81	0.017	0.06	0.1	0.03	3.8	0.1	<0.05	5	<0.5	<0.2
1262973	Soil	12	27	0.48	185	0.054	3	1.36	0.015	0.05	0.2	0.05	3.2	<0.1	<0.05	5	<0.5	<0.2
1262980	Soil	14	31	0.57	184	0.070	<1	1.75	0.013	0.07	0.1	0.02	4.6	0.2	<0.05	5	<0.5	<0.2
1262977	Soil	14	28	0.51	224	0.067	1	1.47	0.022	0.08	0.3	0.03	3.3	<0.1	<0.05	5	<0.5	<0.2
1262968	Soil	10	57	0.85	128	0.088	2	1.91	0.023	0.06	0.2	0.04	3.2	0.2	<0.05	5	<0.5	<0.2
1262972	Soil	11	30	0.43	178	0.058	1	1.43	0.015	0.05	0.2	0.06	2.7	<0.1	<0.05	5	<0.5	<0.2
1262979	Soil	14	33	0.52	199	0.061	2	1.69	0.014	0.07	0.2	0.03	4.3	0.1	<0.05	5	<0.5	<0.2
1262969	Soil	9	36	0.51	150	0.071	1	2.30	0.013	0.04	0.2	0.04	3.3	<0.1	<0.05	6	<0.5	<0.2
1262970	Soil	9	57	0.63	181	0.092	1	1.18	0.023	0.08	0.3	0.03	2.7	<0.1	<0.05	5	<0.5	<0.2
1262976	Soil	13	27	0.47	184	0.049	1	1.40	0.015	0.05	0.2	0.06	2.7	<0.1	<0.05	5	<0.5	<0.2
1262971	Soil	9	40	0.46	209	0.063	<1	1.38	0.022	0.07	0.2	0.03	2.4	<0.1	<0.05	5	<0.5	<0.2
1278251	Soil	3	29	0.69	82	0.103	2	1.28	0.074	0.11	12.4	<0.01	4.3	<0.1	<0.05	5	<0.5	<0.2
1278256	Soil	12	33	0.39	244	0.025	2	1.80	0.011	0.07	<0.1	0.09	3.0	0.2	<0.05	6	1.3	<0.2
1278272	Soil	7	25	0.80	163	0.141	2	1.60	0.012	0.21	0.2	0.04	6.6	0.2	<0.05	7	<0.5	<0.2
1278260	Soil	11	28	0.41	175	0.044	2	1.44	0.010	0.05	0.2	0.05	3.7	0.1	<0.05	5	1.0	<0.2
1278265	Soil	12	36	0.62	257	0.069	2	1.86	0.012	0.08	0.2	0.05	4.4	0.2	<0.05	6	<0.5	<0.2



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Report Date: August 29, 2012

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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	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1278263	Soil		1.5	18.3	23.5	62	0.3	16.4	8.6	267	2.29	17.3	0.8	5.0	1.9	27	0.2	0.8	0.7	60	0.30	0.061
1278257	Soil		2.4	30.5	13.9	38	0.3	15.9	4.3	88	1.97	48.5	1.8	5.2	0.7	19	<0.1	0.9	0.4	45	0.11	0.051
1278258	Soil		1.0	14.3	20.5	34	0.4	11.9	3.2	80	1.46	16.3	0.6	4.0	0.4	20	0.2	0.6	0.4	30	0.18	0.044
1278264	Soil		1.7	23.6	21.1	68	0.3	19.6	9.9	219	2.35	15.1	1.1	3.8	2.0	26	0.3	0.7	0.6	62	0.23	0.054
1278269	Soil		4.9	56.8	35.3	36	0.6	18.9	5.1	67	2.20	73.6	2.5	22.7	1.5	31	0.2	1.9	2.4	47	0.31	0.072
1278259	Soil		1.8	14.9	14.1	35	0.1	11.1	4.5	145	1.52	13.6	0.5	1.1	0.7	20	<0.1	0.5	0.5	46	0.19	0.028
1278275	Soil		0.9	33.5	11.1	79	<0.1	17.3	15.5	494	3.93	11.4	0.5	1.3	2.7	18	0.3	0.4	0.2	105	0.34	0.041
1366746	Soil		1.7	11.2	14.8	46	<0.1	9.6	5.1	349	2.61	7.5	0.4	5.2	2.2	9	0.1	0.4	0.2	66	0.08	0.038
1278271	Soil		5.6	43.0	17.9	107	0.2	23.7	19.4	398	3.74	54.5	1.4	10.1	3.3	20	0.3	1.1	0.6	88	0.26	0.040
1278262	Soil		0.9	14.1	13.0	46	0.2	14.7	5.7	164	1.97	7.8	0.7	2.5	1.3	33	<0.1	0.3	0.4	47	0.42	0.061
1366747	Soil		2.0	21.4	83.8	204	0.6	16.4	9.0	592	2.31	21.7	0.7	5.0	2.4	29	1.5	2.8	0.6	56	0.29	0.073
1366750	Soil		1.9	31.4	67.4	57	0.8	23.5	8.3	176	2.66	49.2	1.3	9.0	1.7	26	0.2	1.8	1.0	59	0.29	0.066
1366748	Soil		3.3	27.1	67.6	77	0.5	18.8	16.4	797	3.14	18.9	1.0	7.7	0.9	74	0.7	1.3	1.1	75	0.33	0.109
1278268	Soil		4.1	58.6	26.7	36	0.5	20.0	7.0	171	2.33	72.3	2.7	15.6	1.5	32	0.1	1.8	2.9	40	0.31	0.083
1288431	Soil		0.9	24.0	12.4	64	0.2	16.5	8.3	364	3.04	16.1	0.8	5.1	3.2	13	0.3	0.8	0.3	45	0.14	0.049
1366749	Soil		2.4	23.6	66.2	49	0.8	16.1	6.4	133	3.38	154.6	1.3	7.8	2.1	19	0.3	2.3	0.9	52	0.23	0.091
1366744	Soil		1.9	11.5	15.4	38	<0.1	8.1	3.6	240	1.83	6.5	0.4	2.6	2.3	9	0.1	0.4	0.3	63	0.06	0.028
1278261	Soil		0.9	15.4	15.1	47	0.3	15.3	5.1	113	2.03	11.4	0.7	4.7	1.1	28	0.2	0.4	0.3	44	0.36	0.066
1288397	Soil		1.9	25.6	11.6	51	0.1	23.6	9.6	609	3.17	8.4	1.2	58.0	2.2	44	0.2	0.5	1.0	82	0.38	0.081
1288432	Soil		1.6	33.6	13.1	57	0.2	15.7	7.8	318	3.66	34.7	1.1	7.6	3.0	12	0.2	1.5	0.5	45	0.11	0.057
1288437	Soil		1.4	19.2	15.4	71	0.1	16.3	10.2	438	3.57	12.4	0.6	1.8	2.5	12	0.2	0.9	0.2	56	0.10	0.039
1288441	Soil		1.0	13.3	8.0	36	<0.1	8.1	4.3	192	2.40	6.4	0.3	0.8	1.1	9	<0.1	0.4	0.2	51	0.07	0.030
1288442	Soil		1.0	19.8	11.3	53	<0.1	12.4	7.8	391	3.35	9.0	0.5	1.4	2.8	10	0.2	0.5	0.2	61	0.10	0.031
1288444	Soil		0.9	22.5	10.3	61	<0.1	17.9	11.1	512	3.03	7.5	0.7	3.1	3.4	13	0.1	0.6	0.2	55	0.21	0.053
1288436	Soil		1.5	20.3	8.8	43	<0.1	13.9	7.1	292	3.28	15.1	0.5	1.5	2.7	14	0.1	0.8	0.3	57	0.13	0.031
1288435	Soil		1.2	19.0	8.4	48	<0.1	17.4	8.6	275	3.16	10.3	0.6	4.6	3.3	11	0.1	0.7	0.3	56	0.10	0.022
1288429	Soil		1.0	13.8	8.6	50	0.2	12.5	6.6	254	2.41	10.1	0.8	2.7	1.9	14	<0.1	0.5	0.2	42	0.16	0.051
1288396	Soil		2.1	23.3	15.2	53	0.1	19.5	12.0	663	2.83	7.2	1.0	30.6	2.2	46	0.2	0.4	2.5	78	0.30	0.070
1288394	Soil		1.9	49.0	13.3	48	0.1	19.4	21.9	454	3.60	3.6	1.3	17.7	3.6	199	<0.1	0.3	0.3	131	1.07	0.131
1288392	Soil		2.2	52.7	16.3	49	0.2	20.4	12.7	176	3.06	5.6	1.5	11.6	2.0	81	0.2	0.4	0.3	92	0.47	0.095



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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1278263	Soil	11	28	0.55	178	0.055	<1	1.47	0.013	0.07	0.3	0.04	3.9	0.1	<0.05	5	0.5	<0.2
1278257	Soil	11	29	0.30	194	0.029	1	1.59	0.012	0.06	<0.1	0.08	2.9	0.1	<0.05	5	1.4	<0.2
1278258	Soil	9	24	0.31	160	0.037	1	1.22	0.009	0.05	0.1	0.07	2.1	0.1	<0.05	5	0.5	<0.2
1278264	Soil	12	31	0.57	211	0.045	2	1.72	0.010	0.06	0.2	0.05	4.0	0.2	<0.05	6	0.5	<0.2
1278269	Soil	10	26	0.27	272	0.018	2	1.50	0.011	0.05	0.3	0.10	3.7	0.2	<0.05	4	3.2	<0.2
1278259	Soil	8	23	0.36	112	0.047	1	1.08	0.010	0.05	0.1	0.04	2.3	0.1	<0.05	5	<0.5	<0.2
1278275	Soil	7	26	1.30	341	0.179	1	2.19	0.012	0.56	0.1	0.01	9.5	0.4	<0.05	8	<0.5	<0.2
1366746	Soil	9	25	0.22	69	0.053	1	1.38	0.005	0.03	0.2	0.03	2.3	0.1	0.07	7	<0.5	<0.2
1278271	Soil	11	34	0.89	196	0.112	1	1.86	0.013	0.20	0.7	0.02	7.0	0.3	0.06	6	<0.5	<0.2
1278262	Soil	10	26	0.53	200	0.049	1	1.44	0.012	0.05	0.2	0.04	3.6	0.1	0.09	5	<0.5	<0.2
1366747	Soil	11	31	0.45	319	0.041	1	1.28	0.014	0.06	0.2	0.04	3.2	0.1	0.08	4	<0.5	<0.2
1366750	Soil	14	36	0.50	419	0.043	2	2.05	0.012	0.07	0.2	0.08	4.7	0.2	0.10	6	0.7	<0.2
1366748	Soil	10	30	0.62	281	0.038	1	1.97	0.018	0.07	0.2	0.07	3.4	0.2	0.13	6	<0.5	0.3
1278268	Soil	11	29	0.29	377	0.018	2	1.55	0.013	0.05	0.2	0.09	4.0	0.2	0.14	4	3.4	<0.2
1288431	Soil	13	26	0.41	141	0.050	1	1.50	0.011	0.11	0.2	0.04	3.5	0.2	0.10	5	<0.5	<0.2
1366749	Soil	15	29	0.43	357	0.048	1	1.65	0.009	0.05	0.2	0.08	5.4	0.1	0.09	5	1.1	<0.2
1366744	Soil	11	20	0.15	88	0.036	<1	1.34	0.005	0.03	0.1	0.04	2.1	0.2	<0.05	7	<0.5	<0.2
1278261	Soil	10	29	0.49	207	0.052	1	1.51	0.012	0.05	0.2	0.06	4.2	0.2	0.11	5	<0.5	<0.2
1288397	Soil	16	31	0.58	235	0.036	1	1.69	0.015	0.06	0.1	0.03	3.6	0.1	0.08	6	<0.5	<0.2
1288432	Soil	12	26	0.40	145	0.041	2	1.72	0.018	0.14	0.2	0.05	3.9	0.3	0.18	6	<0.5	<0.2
1288437	Soil	9	25	0.60	109	0.082	1	1.96	0.008	0.17	0.2	0.05	3.6	0.2	0.10	6	<0.5	<0.2
1288441	Soil	6	17	0.29	61	0.070	<1	1.10	0.009	0.06	0.2	0.02	2.5	0.1	0.06	6	<0.5	<0.2
1288442	Soil	10	25	0.59	106	0.094	1	1.87	0.006	0.20	0.2	0.03	4.7	0.2	0.06	7	<0.5	<0.2
1288444	Soil	12	26	0.65	129	0.110	<1	1.69	0.009	0.22	0.2	0.02	5.2	0.2	0.06	6	<0.5	<0.2
1288436	Soil	10	24	0.40	148	0.046	1	1.54	0.007	0.12	0.2	0.04	3.3	0.1	0.09	6	<0.5	<0.2
1288435	Soil	10	25	0.39	137	0.061	1	1.82	0.011	0.10	0.1	0.03	3.4	0.1	0.10	6	<0.5	<0.2
1288429	Soil	12	23	0.42	150	0.058	1	1.26	0.010	0.13	0.2	0.05	3.7	0.1	0.11	5	<0.5	<0.2
1288396	Soil	13	30	0.47	158	0.048	1	1.57	0.016	0.07	0.2	0.04	2.8	0.1	0.11	5	<0.5	<0.2
1288394	Soil	17	66	1.17	97	0.022	<1	2.97	0.041	0.14	0.1	0.02	6.1	0.1	0.09	7	<0.5	<0.2
1288392	Soil	17	48	0.66	192	0.046	<1	2.10	0.023	0.07	0.2	0.07	4.3	0.1	0.11	6	<0.5	<0.2

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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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	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1288426	Soil		2.3	25.7	17.0	67	0.2	22.0	23.6	299	3.12	10.4	1.2	4.3	2.5	25	0.2	0.5	0.3	83	0.27	0.067
1288391	Soil		2.0	71.8	17.7	59	0.1	29.2	16.6	418	3.64	6.6	1.5	34.4	3.9	102	0.1	0.4	0.2	122	0.48	0.112
1288399	Soil		2.7	33.3	15.5	62	0.1	23.5	13.9	417	3.84	14.7	1.3	9.8	3.0	35	0.2	0.6	0.4	91	0.25	0.084
1288395	Soil		2.4	35.9	15.3	46	0.2	15.1	10.1	273	2.51	4.7	1.6	38.5	1.4	88	0.1	0.3	0.3	79	0.41	0.081
1288445	Soil		1.0	16.6	10.4	50	<0.1	16.1	7.1	284	2.60	7.4	0.6	2.1	2.0	13	0.1	0.4	0.2	56	0.16	0.035
1288393	Soil		2.5	66.5	15.8	55	<0.1	24.8	18.4	410	4.01	5.4	1.9	22.9	5.6	165	<0.1	0.4	0.3	142	1.17	0.120
1288428	Soil		1.0	15.1	8.8	52	0.2	13.9	8.1	317	2.44	9.3	0.7	5.8	1.7	13	0.2	0.4	0.2	42	0.15	0.057
1288400	Soil		1.9	26.4	59.1	62	0.1	21.5	17.7	546	3.98	10.1	0.7	20.3	2.5	45	0.2	0.5	1.7	141	0.37	0.062
1288430	Soil		0.9	20.7	11.1	59	0.1	15.6	8.6	502	2.76	14.7	0.8	4.3	3.3	12	0.2	0.8	0.2	45	0.16	0.050
1288438	Soil		1.1	19.2	15.6	63	0.1	16.4	10.8	430	3.10	14.4	0.6	3.3	3.1	11	0.2	0.7	0.4	57	0.13	0.037
1288433	Soil		0.9	24.7	8.0	43	0.3	10.5	5.5	235	2.48	16.1	1.6	4.1	1.4	16	0.2	1.1	0.3	37	0.15	0.065
1288398	Soil		3.5	19.8	16.2	62	0.1	21.1	11.6	690	3.71	13.8	0.9	5.3	1.2	23	0.2	0.5	0.5	83	0.16	0.087
1366743	Soil		2.1	20.5	32.7	75	<0.1	17.8	16.5	1095	2.62	9.6	0.6	32.3	3.8	28	0.5	0.9	0.5	54	0.20	0.072
1288443	Soil		1.3	19.2	15.6	72	<0.1	14.4	8.7	452	3.44	15.7	0.6	2.6	2.2	10	0.2	1.1	0.2	61	0.09	0.040
1288434	Soil		0.9	17.4	9.1	55	<0.1	15.9	9.5	348	2.85	11.4	0.6	9.6	3.4	12	0.2	1.1	0.3	46	0.11	0.034
1288440	Soil		0.6	70.4	10.0	56	<0.1	14.8	12.3	374	3.09	9.8	0.9	17.1	2.8	15	0.2	0.7	0.9	55	0.15	0.044
1278255	Soil		3.4	33.1	49.4	61	0.5	25.0	8.1	247	2.88	66.7	1.4	9.3	1.1	29	0.4	1.9	0.8	57	0.26	0.095
1278253	Soil		2.7	28.1	35.0	42	0.4	13.4	6.6	271	2.31	30.0	1.1	5.5	1.8	16	0.3	1.0	0.6	55	0.11	0.052
1278252	Soil		2.3	28.1	39.6	44	0.4	15.0	5.7	159	2.11	37.6	1.0	11.2	0.7	23	0.2	1.3	0.8	51	0.19	0.053
1366745	Soil		2.1	12.3	17.7	43	0.2	8.5	3.8	168	1.86	6.4	0.3	3.8	0.8	12	0.3	0.6	0.3	49	0.08	0.041
1278266	Soil		1.9	22.3	17.3	60	0.2	19.1	8.7	221	2.53	15.0	0.8	4.5	1.3	24	0.2	0.7	0.5	66	0.21	0.053
1278254	Soil		2.7	34.8	36.7	36	0.6	15.0	5.0	111	2.27	47.2	1.8	8.8	0.5	21	0.3	1.9	0.5	42	0.17	0.078
1288427	Soil		1.4	11.6	28.9	40	0.2	9.9	8.8	313	2.06	18.5	0.9	17.2	2.1	16	0.1	0.7	0.7	34	0.11	0.054
1288439	Soil		1.2	20.1	15.4	31	0.3	6.9	3.6	103	2.28	9.8	1.3	5.5	0.2	10	0.3	0.6	0.5	37	0.07	0.065
1278270	Soil		2.9	42.2	25.3	56	0.4	19.6	7.7	265	2.46	35.3	1.3	7.7	1.4	28	0.2	1.0	1.3	61	0.32	0.060
1278274	Soil		0.9	36.0	13.9	84	0.1	17.3	16.3	511	4.07	12.0	0.5	65.7	2.6	22	0.4	0.5	0.2	107	0.34	0.046
1278267	Soil		3.6	58.9	29.7	71	0.6	28.3	10.2	213	3.09	56.1	2.2	19.7	3.2	28	0.3	1.5	2.3	72	0.24	0.064
1278273	Soil		1.4	33.2	13.0	64	0.3	19.5	11.3	285	2.88	12.5	1.0	3.9	1.9	20	0.3	0.5	0.4	76	0.28	0.037
1266496	Soil		1.4	30.3	21.8	57	<0.1	24.8	10.3	289	2.76	7.0	1.3	11.7	3.8	46	0.3	0.4	0.2	74	0.32	0.087
1266494	Soil		1.6	38.4	18.5	48	0.1	27.2	9.8	250	2.60	6.7	1.1	7.7	1.2	47	0.3	0.4	0.3	65	0.24	0.086



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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1288426	Soil	14	34	0.56	189	0.057	1	1.90	0.012	0.07	0.2	0.05	6.9	0.2	0.08	7	<0.5	<0.2
1288391	Soil	15	54	0.81	160	0.080	1	2.18	0.023	0.10	0.3	0.06	3.8	0.1	0.09	6	<0.5	<0.2
1288399	Soil	13	35	0.57	252	0.063	1	1.96	0.020	0.13	0.2	0.03	4.9	0.2	0.17	7	<0.5	<0.2
1288395	Soil	13	34	0.65	223	0.054	<1	2.11	0.030	0.05	0.2	0.06	3.3	0.2	0.12	6	<0.5	<0.2
1288445	Soil	12	26	0.50	129	0.084	1	1.52	0.007	0.10	0.2	0.03	4.0	0.1	0.07	6	<0.5	<0.2
1288393	Soil	22	58	1.06	134	0.032	<1	2.91	0.048	0.12	0.1	0.03	7.8	0.1	0.06	8	<0.5	<0.2
1288428	Soil	13	24	0.40	139	0.052	1	1.25	0.010	0.12	0.2	0.05	3.2	0.1	0.11	5	<0.5	<0.2
1288400	Soil	10	33	0.72	198	0.076	1	2.01	0.015	0.08	0.2	0.02	8.5	0.2	0.06	7	<0.5	<0.2
1288430	Soil	14	24	0.41	112	0.057	<1	1.29	0.011	0.10	0.2	0.04	3.4	0.1	0.09	4	<0.5	<0.2
1288438	Soil	10	26	0.58	101	0.085	1	1.78	0.008	0.15	0.2	0.04	4.1	0.2	0.07	6	<0.5	<0.2
1288433	Soil	13	19	0.33	250	0.028	<1	1.40	0.011	0.16	0.1	0.07	4.3	0.2	0.15	5	<0.5	<0.2
1288398	Soil	11	34	0.45	135	0.046	1	1.64	0.010	0.07	0.2	0.04	2.7	0.2	0.14	7	<0.5	<0.2
1366743	Soil	12	29	0.41	256	0.037	6	1.54	0.007	0.07	0.2	0.06	3.6	0.1	<0.05	4	<0.5	<0.2
1288443	Soil	9	24	0.50	99	0.070	1	1.77	0.005	0.14	0.3	0.03	4.1	0.2	<0.05	7	<0.5	<0.2
1288434	Soil	10	25	0.43	128	0.050	1	1.35	0.009	0.11	0.3	0.04	3.1	0.2	<0.05	4	<0.5	<0.2
1288440	Soil	18	22	0.74	193	0.095	1	1.86	0.007	0.29	4.0	0.03	7.0	0.2	<0.05	7	<0.5	0.4
1278255	Soil	13	39	0.44	400	0.031	1	1.88	0.009	0.08	0.3	0.08	3.4	0.2	<0.05	6	1.1	<0.2
1278253	Soil	10	24	0.32	253	0.045	<1	1.49	0.010	0.05	0.2	0.05	3.5	0.1	<0.05	6	0.6	<0.2
1278252	Soil	10	24	0.37	257	0.039	<1	1.29	0.014	0.05	0.2	0.04	2.5	0.1	<0.05	5	0.9	<0.2
1366745	Soil	5	18	0.19	86	0.035	<1	1.14	0.009	0.03	0.1	0.06	1.9	<0.1	<0.05	6	<0.5	<0.2
1278266	Soil	10	33	0.63	235	0.048	<1	1.76	0.013	0.06	0.2	0.04	4.0	0.1	<0.05	6	0.7	<0.2
1278254	Soil	12	27	0.32	329	0.020	<1	1.44	0.009	0.05	0.2	0.09	2.3	0.1	<0.05	5	1.4	<0.2
1288427	Soil	10	16	0.30	154	0.024	1	1.15	0.006	0.11	0.2	0.04	3.2	0.1	<0.05	4	<0.5	<0.2
1288439	Soil	11	15	0.20	93	0.023	2	1.38	0.005	0.06	0.2	0.09	2.2	0.1	<0.05	5	<0.5	<0.2
1278270	Soil	12	30	0.59	304	0.033	1	1.70	0.009	0.07	0.3	0.05	4.8	0.2	<0.05	6	0.6	<0.2
1278274	Soil	7	24	1.36	388	0.188	<1	2.34	0.011	0.66	0.2	0.01	10.8	0.4	<0.05	8	<0.5	<0.2
1278267	Soil	13	41	0.60	365	0.031	2	2.28	0.009	0.08	0.8	0.07	5.8	0.2	<0.05	7	0.9	<0.2
1278273	Soil	9	32	0.80	243	0.098	<1	1.91	0.010	0.17	0.1	0.05	6.2	0.2	<0.05	7	<0.5	<0.2
1266496	Soil	11	37	0.54	181	0.111	1	1.49	0.012	0.07	0.3	0.04	2.4	<0.1	<0.05	5	<0.5	<0.2
1266494	Soil	10	51	0.51	145	0.080	1	1.36	0.014	0.08	0.2	0.07	2.0	0.1	<0.05	5	0.6	<0.2



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Project: CHA
 Report Date: August 29, 2012

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DAW12000269.1

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	U	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1266495	Soil		1.4	47.9	26.3	52	0.2	18.3	11.5	345	2.67	5.4	1.9	8.4	3.6	104	0.4	0.4	0.3	76	0.59	0.088
1266485	Soil		1.1	26.5	19.5	54	0.2	21.8	10.9	294	2.63	6.9	1.2	4.6	3.5	36	0.3	0.4	0.3	76	0.28	0.079
1266497	Soil		1.5	30.7	33.8	79	0.2	22.5	14.1	479	2.80	7.9	1.4	9.4	4.1	64	0.3	0.4	0.5	92	0.44	0.095
1266488	Soil		0.8	19.9	14.3	47	0.1	18.9	8.8	183	2.36	4.7	0.8	27.2	2.7	59	0.1	0.3	0.3	80	0.39	0.084
1266489	Soil		1.0	18.9	18.0	47	0.1	18.6	12.7	441	2.43	5.0	0.8	3.9	2.0	35	0.2	0.3	0.4	76	0.25	0.077
1266490	Soil		1.3	26.6	15.7	50	0.1	20.1	9.5	286	2.41	6.2	1.1	7.3	1.8	34	0.3	0.4	0.4	67	0.23	0.062
1277912	Soil		5.8	31.5	30.5	93	0.2	12.3	10.1	701	3.49	16.2	1.1	5.0	3.4	140	0.6	0.6	2.4	108	0.98	0.059
1277911	Soil		6.5	47.9	34.0	161	0.2	12.5	9.3	441	4.13	11.0	0.8	5.1	3.5	177	0.4	0.6	0.9	78	1.02	0.068
1266486	Soil		1.2	22.1	27.4	55	0.2	17.6	9.0	171	2.25	5.9	1.1	5.1	2.4	81	0.2	0.3	0.7	67	0.45	0.096
1266487	Soil		1.0	26.1	23.6	52	0.2	18.5	9.0	146	2.59	6.6	1.2	44.1	3.0	74	0.2	0.4	0.7	83	0.40	0.085
1277906	Soil		1.1	26.5	16.4	61	0.1	25.2	10.2	293	2.80	10.2	0.6	2.4	2.9	28	0.3	0.7	0.2	64	0.25	0.051
1277907	Soil		2.5	24.1	20.3	67	0.1	16.0	7.1	342	2.10	7.5	0.7	8.5	2.6	55	0.2	0.7	0.2	46	0.49	0.042
1277909	Soil		2.5	53.3	24.8	140	0.2	13.0	8.8	341	3.22	8.2	0.7	5.0	2.4	79	0.4	0.6	0.3	74	0.73	0.055
1277910	Soil		2.7	47.6	19.3	106	0.1	14.6	10.8	350	3.92	6.3	0.7	4.2	2.0	89	0.3	0.4	0.2	129	0.48	0.064
1277905	Soil		1.2	25.7	17.6	60	0.1	20.2	8.0	305	2.28	9.0	0.7	3.5	2.4	28	0.1	0.6	0.2	50	0.30	0.052
1277913	Soil		2.6	17.0	28.1	62	<0.1	18.3	18.0	1133	3.83	24.8	0.6	3.4	4.6	63	0.2	0.9	0.4	115	0.49	0.107
1277908	Soil		10.6	71.7	23.7	88	0.2	6.3	4.3	227	1.72	18.5	0.5	2.8	1.1	47	0.3	1.2	0.8	29	0.16	0.023
1277914	Soil		1.5	17.7	18.5	68	0.2	14.8	11.1	750	2.53	14.7	1.2	2.7	5.7	52	0.2	0.5	0.6	63	0.59	0.076
1266475	Soil		2.1	13.7	31.3	57	<0.1	11.5	6.6	245	1.58	6.3	0.9	3.6	2.3	129	0.3	0.4	0.3	44	0.62	0.042
1277904	Soil		1.0	16.4	28.7	64	0.2	10.3	3.7	101	1.26	5.8	1.6	4.8	3.4	103	0.4	0.5	0.3	27	0.38	0.014
1277902	Soil		2.6	18.8	20.9	49	0.3	11.8	8.7	439	1.95	5.5	1.3	4.8	1.0	52	0.3	0.4	0.3	54	0.24	0.053
1266499	Soil		1.5	14.7	23.3	56	0.2	13.4	8.3	368	2.05	5.5	1.1	5.0	1.4	68	0.3	0.5	0.5	64	0.28	0.070
1266498	Soil		1.4	20.2	21.1	48	0.3	14.5	7.6	299	1.98	5.2	1.4	4.5	1.1	38	0.2	0.3	0.2	57	0.22	0.060
1266474	Soil		2.0	12.7	29.5	59	0.1	10.4	6.4	253	1.45	5.8	0.7	3.5	2.0	138	0.3	0.4	0.3	38	0.61	0.037
1277903	Soil		2.5	18.5	23.2	63	0.2	14.9	13.5	426	2.26	5.5	1.5	4.8	3.3	90	0.3	0.4	0.2	84	0.45	0.069
1266500	Soil		2.3	19.7	22.9	60	0.3	13.8	7.1	310	2.18	6.0	1.5	7.8	1.5	50	0.2	0.5	0.4	60	0.26	0.060
1266491	Soil		1.0	15.8	15.0	36	0.1	13.3	5.9	186	1.93	5.1	0.8	8.2	2.4	26	0.1	0.3	0.2	62	0.16	0.052
1277901	Soil		1.4	420.9	21.3	165	0.2	196.3	75.6	789	14.24	3.5	1.2	35.8	7.3	16	0.2	0.4	0.1	202	0.30	0.040
1266492	Soil		1.2	17.7	18.0	49	0.1	15.2	10.7	497	2.05	5.1	1.1	<0.5	1.8	42	0.2	0.4	0.2	64	0.27	0.070
1266493	Soil		1.1	15.3	19.3	43	0.2	13.2	5.9	160	1.71	4.4	1.1	<0.5	1.1	36	0.2	0.3	0.2	50	0.22	0.058

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Project: CHA
 Report Date: August 29, 2012

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CERTIFICATE OF ANALYSIS

DAW12000269.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2
1266495	Soil	11	33	0.61	165	0.089	<1	1.78	0.031	0.14	0.2	0.04	3.7	0.2	<0.05	5	<0.5	<0.2
1266485	Soil	11	34	0.54	177	0.091	1	1.51	0.012	0.07	0.3	0.05	2.7	<0.1	<0.05	5	<0.5	<0.2
1266497	Soil	12	40	0.59	165	0.103	<1	1.37	0.016	0.10	0.6	0.03	2.7	0.1	<0.05	5	<0.5	<0.2
1266488	Soil	10	42	0.55	150	0.086	<1	1.33	0.018	0.08	0.7	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
1266489	Soil	8	38	0.48	125	0.079	1	1.38	0.008	0.09	0.7	0.04	2.0	<0.1	<0.05	5	<0.5	<0.2
1266490	Soil	10	32	0.47	162	0.074	1	1.50	0.011	0.06	0.3	0.04	2.3	0.1	<0.05	5	<0.5	<0.2
1277912	Soil	8	18	1.00	312	0.060	<1	2.21	0.014	0.18	0.2	0.02	8.4	0.1	<0.05	7	<0.5	<0.2
1277911	Soil	9	17	0.67	412	0.079	1	1.95	0.016	0.17	0.2	0.03	6.2	0.2	<0.05	8	<0.5	<0.2
1266486	Soil	10	31	0.54	177	0.068	<1	1.46	0.020	0.05	0.3	0.04	2.6	0.1	<0.05	5	<0.5	<0.2
1266487	Soil	11	38	0.56	182	0.078	<1	1.60	0.018	0.08	0.6	0.03	2.7	<0.1	<0.05	5	0.5	<0.2
1277906	Soil	11	32	0.56	204	0.067	1	1.81	0.010	0.05	0.2	0.02	3.9	0.1	<0.05	5	<0.5	<0.2
1277907	Soil	9	29	0.46	222	0.049	<1	1.33	0.018	0.06	0.2	0.03	3.5	<0.1	<0.05	4	<0.5	<0.2
1277909	Soil	10	19	0.63	213	0.097	1	1.79	0.014	0.16	0.3	0.02	6.3	0.2	<0.05	7	<0.5	<0.2
1277910	Soil	7	20	0.84	205	0.177	1	1.87	0.013	0.17	0.2	0.02	6.8	0.2	<0.05	10	<0.5	<0.2
1277905	Soil	12	28	0.48	185	0.047	<1	1.42	0.009	0.05	0.2	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
1277913	Soil	13	42	0.64	150	0.111	<1	1.51	0.020	0.06	0.4	0.03	2.9	<0.1	<0.05	6	<0.5	<0.2
1277908	Soil	6	13	0.20	119	0.013	<1	0.82	0.008	0.07	0.1	0.03	1.7	0.2	<0.05	4	<0.5	<0.2
1277914	Soil	12	27	0.60	222	0.072	1	1.50	0.015	0.04	0.2	0.04	4.5	<0.1	<0.05	5	<0.5	<0.2
1266475	Soil	8	19	0.35	231	0.041	<1	1.52	0.033	0.07	0.6	<0.01	2.7	<0.1	<0.05	4	0.5	<0.2
1277904	Soil	8	18	0.30	165	0.026	<1	1.43	0.028	0.04	0.2	0.04	2.6	0.1	<0.05	4	0.5	<0.2
1277902	Soil	8	22	0.45	188	0.041	<1	1.38	0.016	0.06	0.2	0.04	2.8	0.1	<0.05	6	<0.5	<0.2
1266499	Soil	9	23	0.51	297	0.058	<1	1.35	0.016	0.08	0.2	0.03	3.4	0.2	<0.05	5	<0.5	<0.2
1266498	Soil	9	24	0.47	216	0.048	1	1.32	0.014	0.04	0.2	0.04	1.8	0.1	<0.05	5	<0.5	<0.2
1266474	Soil	6	17	0.33	257	0.033	<1	1.56	0.037	0.06	0.3	<0.01	2.3	<0.1	<0.05	3	<0.5	<0.2
1277903	Soil	10	30	0.75	256	0.106	2	1.90	0.021	0.18	0.4	0.03	7.2	0.2	<0.05	7	<0.5	<0.2
1266500	Soil	8	27	0.54	222	0.049	2	1.62	0.018	0.07	0.2	0.05	4.1	0.2	<0.05	6	<0.5	<0.2
1266491	Soil	8	26	0.38	109	0.069	1	1.19	0.012	0.04	0.3	0.03	1.6	0.1	<0.05	5	<0.5	<0.2
1277901	Soil	17	605	0.12	151	0.136	4	3.54	0.014	0.05	<0.1	0.02	38.3	<0.1	<0.05	21	<0.5	<0.2
1266492	Soil	9	26	0.49	233	0.062	1	1.19	0.018	0.06	0.3	0.02	2.0	0.1	<0.05	5	<0.5	<0.2
1266493	Soil	8	22	0.44	209	0.049	2	1.22	0.013	0.04	0.2	0.03	2.0	0.1	<0.05	5	0.7	<0.2

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Project: CHA
 Report Date: August 29, 2012

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QUALITY CONTROL REPORT

DAW12000269.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
1262994	Soil	0.7	21.8	9.9	59	0.1	12.1	8.2	523	2.55	5.8	0.7	<0.5	2.9	13	0.2	0.5	0.1	41	0.16	0.037
REP 1262994	QC	0.7	21.3	9.6	56	0.1	11.6	7.9	515	2.50	5.6	0.7	<0.5	2.9	13	0.2	0.5	0.2	40	0.14	0.036
1262970	Soil	2.1	35.2	14.4	64	0.1	25.5	15.7	328	3.47	6.9	0.8	11.5	2.9	57	0.2	0.4	0.2	132	0.49	0.074
REP 1262970	QC	2.1	33.6	13.5	61	<0.1	24.8	15.1	314	3.39	6.7	0.8	4.7	2.9	55	0.2	0.4	0.2	131	0.46	0.068
1288397	Soil	1.9	25.6	11.6	51	0.1	23.6	9.6	609	3.17	8.4	1.2	58.0	2.2	44	0.2	0.5	1.0	82	0.38	0.081
REP 1288397	QC	1.9	24.9	11.7	50	0.1	23.4	9.5	617	3.11	8.1	1.2	29.0	2.1	45	0.2	0.5	1.0	81	0.38	0.082
1288394	Soil	1.9	49.0	13.3	48	0.1	19.4	21.9	454	3.60	3.6	1.3	17.7	3.6	199	<0.1	0.3	0.3	131	1.07	0.131
REP 1288394	QC	1.8	49.4	13.2	48	0.1	19.6	22.3	463	3.57	3.2	1.2	17.6	3.6	200	<0.1	0.3	0.3	129	1.07	0.126
1278270	Soil	2.9	42.2	25.3	56	0.4	19.6	7.7	265	2.46	35.3	1.3	7.7	1.4	28	0.2	1.0	1.3	61	0.32	0.060
REP 1278270	QC	3.0	42.5	24.7	58	0.5	19.2	7.8	273	2.48	34.6	1.3	9.5	1.4	29	0.3	0.9	1.3	63	0.32	0.062
1266489	Soil	1.0	18.9	18.0	47	0.1	18.6	12.7	441	2.43	5.0	0.8	3.9	2.0	35	0.2	0.3	0.4	76	0.25	0.077
REP 1266489	QC	1.1	18.8	17.9	47	0.1	18.6	12.5	444	2.51	5.4	0.8	4.3	2.0	36	0.2	0.3	0.3	77	0.26	0.083
1266491	Soil	1.0	15.8	15.0	36	0.1	13.3	5.9	186	1.93	5.1	0.8	8.2	2.4	26	0.1	0.3	0.2	62	0.16	0.052
REP 1266491	QC	1.3	16.8	14.5	35	0.1	12.0	5.7	180	1.97	5.0	0.8	4.5	2.4	25	<0.1	0.3	0.2	60	0.15	0.049
1266493	Soil	1.1	15.3	19.3	43	0.2	13.2	5.9	160	1.71	4.4	1.1	<0.5	1.1	36	0.2	0.3	0.2	50	0.22	0.058
REP 1266493	QC	1.2	15.3	20.1	45	0.2	13.4	6.0	170	1.69	4.4	1.2	3.5	1.0	36	0.3	0.3	0.3	50	0.21	0.059
Reference Materials																					
STD DS9	Standard	12.6	110.9	122.2	301	1.8	40.2	7.8	561	2.27	25.3	2.6	114.6	5.9	68	2.5	6.1	6.7	43	0.67	0.080
STD DS9	Standard	12.5	112.9	122.6	303	1.8	39.4	7.5	549	2.20	23.9	2.7	110.2	6.1	69	2.5	5.9	6.6	41	0.67	0.077
STD DS9	Standard	12.1	100.8	127.7	309	1.8	36.7	7.0	546	2.11	26.3	2.7	116.5	6.3	71	2.2	6.0	6.9	40	0.65	0.078
STD DS9	Standard	12.8	105.5	119.2	282	1.7	40.0	7.6	549	2.16	22.3	2.7	108.3	6.1	61	2.0	5.1	6.2	36	0.67	0.073
STD DS9 Expected		12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank	<0.1	0.4	0.4	2	<0.1	0.3	0.1	2	0.04	<0.5	<0.1	<0.5	<0.1	1	<0.1	<0.1	<0.1	<2	<0.01	0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	0.3	<0.1	<1	<0.1	<0.1	<0.1	3	0.02	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Project: CHA
 Report Date: August 29, 2012

Page: 1 of 1

Part: 2 of 2

QUALITY CONTROL REPORT

DAW12000269.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
1262994	Soil	12	19	0.57	145	0.098	2	1.44	0.008	0.27	0.2	0.03	4.8	0.2	<0.05	5	<0.5	<0.2
REP 1262994	QC	12	19	0.55	150	0.097	2	1.39	0.008	0.26	0.2	0.02	4.7	0.2	<0.05	5	<0.5	<0.2
1262970	Soil	9	57	0.63	181	0.092	1	1.18	0.023	0.08	0.3	0.03	2.7	<0.1	<0.05	5	<0.5	<0.2
REP 1262970	QC	9	56	0.61	174	0.086	2	1.15	0.024	0.07	0.2	0.03	2.6	<0.1	<0.05	5	<0.5	<0.2
1288397	Soil	16	31	0.58	235	0.036	1	1.69	0.015	0.06	0.1	0.03	3.6	0.1	0.08	6	<0.5	<0.2
REP 1288397	QC	16	30	0.58	233	0.034	<1	1.70	0.016	0.06	0.2	0.03	3.5	0.1	0.08	6	<0.5	<0.2
1288394	Soil	17	66	1.17	97	0.022	<1	2.97	0.041	0.14	0.1	0.02	6.1	0.1	0.09	7	<0.5	<0.2
REP 1288394	QC	17	66	1.18	93	0.021	<1	2.99	0.041	0.14	0.1	0.02	5.9	0.1	0.07	8	<0.5	<0.2
1278270	Soil	12	30	0.59	304	0.033	1	1.70	0.009	0.07	0.3	0.05	4.8	0.2	<0.05	6	0.6	<0.2
REP 1278270	QC	13	30	0.59	304	0.036	1	1.74	0.009	0.07	0.3	0.08	4.9	0.2	<0.05	6	0.8	<0.2
1266489	Soil	8	38	0.48	125	0.079	1	1.38	0.008	0.09	0.7	0.04	2.0	<0.1	<0.05	5	<0.5	<0.2
REP 1266489	QC	8	38	0.50	128	0.081	1	1.45	0.009	0.09	0.8	0.04	2.0	<0.1	<0.05	5	<0.5	<0.2
1266491	Soil	8	26	0.38	109	0.069	1	1.19	0.012	0.04	0.3	0.03	1.6	0.1	<0.05	5	<0.5	<0.2
REP 1266491	QC	7	24	0.37	108	0.066	2	1.11	0.012	0.04	0.3	0.04	1.8	<0.1	<0.05	5	0.6	<0.2
1266493	Soil	8	22	0.44	209	0.049	2	1.22	0.013	0.04	0.2	0.03	2.0	0.1	<0.05	5	0.7	<0.2
REP 1266493	QC	8	23	0.44	209	0.051	3	1.20	0.013	0.04	0.2	0.03	1.7	0.2	<0.05	5	<0.5	<0.2
Reference Materials																		
STD DS9	Standard	12	121	0.59	288	0.114	2	0.88	0.076	0.35	2.9	0.22	2.1	5.3	0.12	4	5.6	5.0
STD DS9	Standard	12	119	0.58	271	0.108	2	0.85	0.074	0.33	3.0	0.23	2.2	5.2	0.11	4	5.0	4.7
STD DS9	Standard	11	111	0.58	291	0.096	3	0.86	0.080	0.35	2.9	0.21	2.3	5.4	0.16	4	5.4	5.8
STD DS9	Standard	12	122	0.60	269	0.104	3	0.85	0.074	0.32	2.8	0.19	2.2	5.2	0.18	4	4.7	5.2
STD DS9 Expected		13.3	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	<1	<0.01	3	<0.001	<1	0.02	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Submitted By: Andy Randell
Receiving Lab: Canada-Dawson City
Received: August 28, 2012
Report Date: September 01, 2012
Page: 1 of 2

CERTIFICATE OF ANALYSIS

DAW12000275.1

CLIENT JOB INFORMATION

Project: CHA
Shipment ID:
P.O. Number
Number of Samples: 28

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
RTRN-RJT Return

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

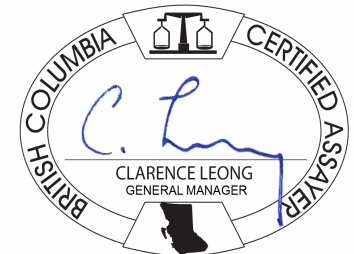
Invoice To: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Dave Schmidt
Isaac Fage

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	28	Dry at 60C			DAW
SS80	28	Dry at 60C sieve 100g to -80 mesh			DAW
RJSV	28	Saving all or part of Soil Reject			DAW
1DX2	28	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: CHA
 Report Date: September 01, 2012

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Part: 1 of 2

CERTIFICATE OF ANALYSIS

DAW12000275.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1278000	Soil	3.9	55.7	22.3	82	0.3	19.2	15.2	505	2.97	24.7	0.7	4.7	2.7	69	0.2	0.8	0.7	76	0.22	0.051
1277998	Soil	3.8	26.7	18.2	63	<0.1	17.2	9.3	373	2.41	12.1	0.8	4.3	2.2	69	0.2	0.8	0.3	70	0.34	0.051
1277994	Soil	2.1	19.4	29.4	57	0.2	13.1	6.4	272	1.78	4.9	0.9	1.9	0.9	112	0.2	0.4	0.3	67	0.32	0.049
1277993	Soil	2.1	28.8	24.6	56	0.2	14.6	9.5	391	2.12	5.2	1.5	4.9	1.3	64	0.2	0.3	0.3	73	0.30	0.071
1277987	Soil	1.2	27.3	15.9	50	<0.1	18.6	10.7	335	2.87	6.5	0.9	5.2	3.5	39	0.2	0.3	0.2	94	0.30	0.078
1277999	Soil	3.0	13.1	20.5	51	0.1	11.9	7.5	465	2.77	97.2	0.5	3.8	2.6	25	0.2	0.8	0.4	96	0.11	0.024
1277992	Soil	3.0	35.7	20.7	52	0.2	18.4	12.5	687	2.18	5.6	1.4	8.0	2.6	121	0.2	0.5	0.3	90	0.50	0.087
1277996	Soil	1.8	22.8	32.9	71	0.4	15.2	11.2	732	2.30	6.6	1.9	6.7	1.4	62	0.5	0.5	0.3	65	0.51	0.055
1277983	Soil	1.5	42.0	33.5	94	0.2	31.3	15.0	442	3.21	6.8	1.5	281.1	3.7	74	0.2	0.4	0.2	99	0.42	0.077
1278283	Soil	2.6	21.9	41.7	70	0.5	12.2	9.3	413	2.95	30.0	2.5	6.3	7.0	58	0.3	0.4	0.5	82	0.45	0.111
1277984	Soil	1.3	46.9	16.2	59	<0.1	32.6	14.6	464	3.22	6.2	1.1	7.3	3.8	91	0.3	0.4	0.2	97	0.56	0.093
1278284	Soil	2.5	55.9	29.1	74	0.3	16.3	10.9	474	3.07	34.8	2.5	3.6	8.0	56	0.2	0.5	0.6	83	0.54	0.063
1277986	Soil	1.4	24.7	14.1	48	0.1	17.6	11.4	316	2.72	5.7	1.1	23.8	2.6	51	0.2	0.3	0.2	96	0.37	0.080
1277985	Soil	1.6	94.8	14.3	55	0.1	27.2	18.0	441	3.29	6.1	1.4	18.9	4.7	99	0.3	0.3	0.2	104	0.64	0.103
1278276	Soil	3.0	25.6	113.3	107	2.4	13.2	6.7	272	2.80	297.8	0.5	3.4	2.3	19	0.4	5.4	2.0	70	0.09	0.031
1278285	Soil	1.2	33.6	67.5	62	0.6	18.7	10.1	376	2.98	42.2	1.6	9.8	8.2	36	0.1	0.8	0.9	75	0.34	0.053
1277991	Soil	1.2	41.2	15.1	50	0.2	16.7	10.3	319	2.32	4.4	1.1	5.8	1.9	68	0.2	0.3	0.4	74	0.42	0.083
1277997	Soil	1.9	17.0	37.9	76	0.3	14.0	10.1	812	2.66	6.6	1.3	6.0	2.0	55	0.4	0.5	0.4	76	0.63	0.071
1277995	Soil	1.9	18.6	37.9	62	0.2	16.3	10.2	454	2.86	6.4	0.9	3.7	3.2	65	0.4	0.6	0.2	94	0.27	0.053
1277988	Soil	1.3	38.2	15.9	48	0.1	15.9	9.9	192	2.78	4.2	1.0	13.3	2.5	90	0.2	0.2	0.2	103	0.44	0.103
1277990	Soil	0.9	34.0	14.1	47	<0.1	15.0	14.0	548	2.54	4.6	0.9	5.3	1.7	66	0.2	0.3	0.1	89	0.42	0.086
1278281	Soil	4.1	42.8	32.3	87	0.2	14.1	6.9	338	2.23	15.9	1.3	9.0	2.8	57	0.4	0.8	0.3	50	0.47	0.033
1278280	Soil	2.9	18.2	25.4	79	<0.1	12.9	6.2	377	2.61	13.0	0.7	2.5	2.5	35	0.2	0.6	0.3	52	0.22	0.029
1278278	Soil	6.5	45.4	39.2	126	0.2	20.3	10.8	355	3.48	28.6	0.8	6.6	3.7	34	0.4	1.4	1.5	66	0.13	0.037
1278282	Soil	3.5	48.1	25.7	83	0.3	15.2	8.4	345	2.64	21.9	1.2	6.3	4.3	42	0.2	0.7	0.7	65	0.47	0.038
1277989	Soil	1.3	43.2	15.1	49	0.1	16.4	11.1	338	2.75	5.1	1.0	9.3	3.0	97	0.2	0.2	0.2	96	0.46	0.100
1278277	Soil	8.0	66.5	142.6	159	1.3	20.8	14.2	865	2.86	249.7	1.3	14.4	4.3	106	0.7	5.8	7.3	55	0.27	0.049
1278279	Soil	4.6	36.5	24.2	64	0.2	9.3	5.3	297	1.68	9.7	0.9	3.3	2.4	50	0.5	0.6	0.7	37	0.41	0.032



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Project: CHA
 Report Date: September 01, 2012

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Part: 2 of 2

CERTIFICATE OF ANALYSIS

DAW12000275.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1278000	Soil	9	31	0.51	181	0.061	2	2.21	0.012	0.08	0.5	0.05	3.5	0.2	<0.05	7	0.7	<0.2
1277998	Soil	9	31	0.49	217	0.048	<1	1.56	0.016	0.05	0.6	0.02	2.8	0.1	<0.05	5	<0.5	<0.2
1277994	Soil	8	27	0.49	277	0.061	2	1.49	0.013	0.09	0.2	0.04	3.1	0.2	<0.05	6	<0.5	<0.2
1277993	Soil	10	28	0.51	247	0.060	2	1.62	0.020	0.06	0.2	0.04	2.7	0.2	<0.05	6	<0.5	<0.2
1277987	Soil	11	35	0.55	166	0.098	1	1.71	0.013	0.09	0.2	0.06	2.4	0.1	<0.05	5	<0.5	<0.2
1277999	Soil	9	28	0.33	112	0.031	<1	1.62	0.007	0.05	0.5	0.02	2.5	0.2	<0.05	8	<0.5	<0.2
1277992	Soil	10	32	0.65	426	0.066	2	1.75	0.024	0.07	0.4	0.03	3.2	0.2	<0.05	6	<0.5	<0.2
1277996	Soil	12	26	0.52	343	0.050	2	1.71	0.017	0.07	0.2	0.05	4.3	0.2	0.06	6	<0.5	<0.2
1277983	Soil	19	46	0.84	178	0.128	1	2.15	0.027	0.14	0.2	0.02	3.4	0.2	<0.05	6	<0.5	<0.2
1278283	Soil	21	24	0.54	169	0.048	<1	1.78	0.012	0.05	0.3	0.06	3.7	0.2	<0.05	6	<0.5	<0.2
1277984	Soil	15	54	0.87	211	0.113	<1	2.16	0.038	0.16	0.2	0.02	3.3	0.2	<0.05	6	<0.5	<0.2
1278284	Soil	19	41	0.76	197	0.084	<1	2.02	0.014	0.06	0.5	0.03	5.2	0.2	<0.05	7	<0.5	<0.2
1277986	Soil	11	36	0.53	152	0.094	1	1.25	0.019	0.07	0.2	0.03	2.3	0.1	<0.05	5	<0.5	<0.2
1277985	Soil	16	44	0.77	211	0.107	<1	1.91	0.037	0.13	0.2	0.01	3.7	0.1	<0.05	5	<0.5	<0.2
1278276	Soil	7	25	0.28	120	0.026	<1	1.86	0.012	0.05	0.4	0.05	2.3	0.2	<0.05	7	<0.5	<0.2
1278285	Soil	16	32	0.58	190	0.069	<1	1.84	0.011	0.05	0.1	0.03	4.6	0.1	<0.05	6	<0.5	<0.2
1277991	Soil	11	28	0.59	193	0.078	<1	1.61	0.023	0.07	0.2	0.05	2.3	0.1	<0.05	5	<0.5	<0.2
1277997	Soil	9	27	0.69	360	0.042	1	1.75	0.012	0.09	0.4	0.02	5.5	0.2	<0.05	7	<0.5	<0.2
1277995	Soil	10	33	0.52	224	0.089	1	1.57	0.013	0.08	0.3	0.04	3.5	0.1	<0.05	6	<0.5	<0.2
1277988	Soil	10	35	0.69	161	0.091	<1	1.60	0.020	0.09	0.2	0.02	2.9	0.1	<0.05	6	<0.5	<0.2
1277990	Soil	10	29	0.59	167	0.086	1	1.50	0.015	0.11	0.1	0.03	2.2	0.1	<0.05	5	<0.5	<0.2
1278281	Soil	12	23	0.44	199	0.038	<1	1.42	0.014	0.06	0.3	0.02	3.1	0.1	<0.05	4	<0.5	<0.2
1278280	Soil	10	20	0.33	134	0.023	<1	1.46	0.011	0.06	0.2	0.02	2.5	0.1	<0.05	6	<0.5	<0.2
1278278	Soil	9	31	0.43	177	0.032	<1	2.02	0.009	0.07	0.3	0.02	2.7	0.1	<0.05	5	0.5	<0.2
1278282	Soil	13	30	0.75	159	0.056	<1	1.69	0.012	0.08	0.3	0.03	5.3	0.2	<0.05	6	<0.5	<0.2
1277989	Soil	11	33	0.65	168	0.089	<1	1.63	0.020	0.10	0.2	0.03	2.5	0.1	<0.05	6	<0.5	<0.2
1278277	Soil	10	30	0.47	276	0.034	<1	1.65	0.014	0.08	0.6	0.02	3.5	0.2	<0.05	5	<0.5	<0.2
1278279	Soil	10	16	0.36	218	0.010	<1	1.40	0.009	0.06	0.2	0.02	2.7	0.1	<0.05	5	<0.5	<0.2



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Project: CHA
Report Date: September 01, 2012

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QUALITY CONTROL REPORT

DAW12000275.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
1277983	Soil	1.5	42.0	33.5	94	0.2	31.3	15.0	442	3.21	6.8	1.5	281.1	3.7	74	0.2	0.4	0.2	99	0.42	0.077
REP 1277983	QC	1.4	41.1	31.9	91	0.1	30.8	14.7	429	3.15	6.3	1.4	28.0	3.8	74	0.2	0.4	0.2	99	0.41	0.077
Reference Materials																					
STD DS9	Standard	13.7	116.0	127.6	320	1.9	42.9	8.3	599	2.38	24.6	2.8	117.4	6.5	67	2.3	5.4	4.9	49	0.73	0.078
STD DS9 Expected		12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	3	<0.01	<0.001



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QUALITY CONTROL REPORT

DAW12000275.1

Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
1277983	Soil	19	46	0.84	178	0.128	1	2.15	0.027	0.14	0.2	0.02	3.4	0.2	<0.05	6	<0.5	<0.2
REP 1277983	QC	19	47	0.83	177	0.128	1	2.10	0.026	0.14	0.3	0.04	3.6	0.2	<0.05	6	<0.5	<0.2
Reference Materials																		
STD DS9	Standard	14	132	0.65	291	0.119	3	0.97	0.090	0.36	3.0	0.19	2.3	5.6	0.20	5	5.6	5.7
STD DS9 Expected		13.3	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	<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: Andy Randell
Receiving Lab: Canada-Dawson City
Received: August 29, 2012
Report Date: September 06, 2012
Page: 1 of 7

CERTIFICATE OF ANALYSIS

DAW12000278.1

CLIENT JOB INFORMATION

Project: CHA
Shipment ID:
P.O. Number
Number of Samples: 156

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days
RTRN-RJT Return

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: Ryan Gold Corp.
600 - 666 Burrard St.
Vancouver BC V6C 1H2
Canada

CC: Dave Schmidt
Isaac Fage

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	156	Dry at 60C			DAW
SS80	156	Dry at 60C sieve 100g to -80 mesh			DAW
RJSV	156	Saving all or part of Soil Reject			DAW
1DX2	156	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: CHA
 Report Date: September 06, 2012

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Part: 1 of 2

CERTIFICATE OF ANALYSIS

DAW12000278.1

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	U	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1278380	Soil		3.6	17.0	21.1	48	0.3	14.3	6.9	302	2.98	61.4	0.6	5.6	2.2	15	0.3	1.2	0.5	72	0.14	0.074
1278383	Soil		1.6	23.9	13.3	41	0.3	16.3	7.6	268	2.40	19.2	0.9	6.3	1.1	30	0.3	0.7	0.5	61	0.29	0.080
1369271	Soil		3.5	15.9	102.7	34	0.7	10.9	4.5	220	2.78	134.7	0.5	5.6	2.9	17	0.1	4.3	2.9	76	0.08	0.047
1278388	Soil		1.9	22.0	12.4	49	0.2	17.5	8.2	279	2.55	14.1	1.0	1.7	2.2	25	0.1	0.8	0.4	64	0.26	0.071
1278382	Soil		2.0	34.5	20.2	53	0.2	19.8	8.3	290	2.61	41.0	1.3	8.4	4.2	29	0.3	1.9	1.3	56	0.30	0.079
1278381	Soil		3.2	19.2	18.1	38	0.3	11.9	5.2	347	2.42	36.8	0.6	4.5	1.6	25	0.5	0.8	0.5	67	0.20	0.047
1278391	Soil		3.8	44.9	20.7	46	0.4	20.4	7.9	250	2.66	106.3	1.4	8.7	4.0	19	0.2	2.9	1.3	55	0.13	0.050
1278389	Soil		2.2	24.8	16.1	53	0.3	16.9	12.6	516	2.70	17.6	1.0	4.0	1.5	24	<0.1	0.8	0.4	72	0.26	0.059
1278386	Soil		1.1	14.7	15.2	46	0.3	12.4	5.0	130	1.96	6.9	0.7	7.0	1.1	26	0.2	0.4	0.3	50	0.26	0.061
1278392	Soil		10.1	56.0	25.6	44	1.5	18.5	5.7	215	3.35	231.1	1.4	9.3	2.4	24	0.2	4.7	2.8	88	0.12	0.074
1278384	Soil		1.1	21.0	15.3	40	0.3	13.3	6.5	164	2.24	12.3	0.8	5.4	1.0	38	0.2	0.8	0.4	59	0.34	0.050
1278390	Soil		3.1	37.5	14.5	52	0.2	20.3	7.7	243	2.98	82.8	1.0	5.1	2.1	16	0.2	1.4	1.0	68	0.14	0.044
1395293	Soil		1.5	22.9	21.1	47	0.3	17.0	8.5	393	2.73	15.4	0.8	2.9	1.2	25	0.7	0.5	0.5	69	0.23	0.059
1395291	Soil		1.1	22.0	18.6	46	0.3	11.6	7.4	620	2.35	12.8	0.6	2.7	1.8	19	0.4	0.7	0.5	65	0.17	0.044
1278387	Soil		2.4	22.3	24.7	54	0.5	18.0	7.7	280	2.59	25.0	1.2	3.8	1.6	34	0.2	1.1	0.7	68	0.33	0.065
1278398	Soil		2.0	25.9	23.1	54	0.8	18.0	19.3	666	2.64	14.4	1.5	3.1	1.3	29	0.2	0.6	0.5	68	0.35	0.070
1278396	Soil		1.7	44.5	14.6	56	0.3	18.6	10.6	319	3.24	38.0	1.2	3.9	1.9	23	0.2	1.0	0.6	85	0.26	0.047
1278394	Soil		2.1	37.4	15.7	56	0.2	18.4	10.7	486	3.24	59.1	0.8	3.0	3.1	17	0.2	1.8	1.6	76	0.22	0.040
1395290	Soil		3.1	17.2	29.7	38	0.3	11.3	5.4	269	2.48	44.6	0.6	4.8	1.3	20	0.3	1.2	0.6	68	0.18	0.058
1395289	Soil		3.1	24.2	28.4	51	0.3	20.2	10.7	417	2.82	99.9	1.1	11.6	2.6	19	0.3	2.5	0.8	57	0.18	0.101
1369274	Soil		1.6	16.6	58.0	42	0.4	13.8	6.6	248	2.54	23.3	0.5	5.6	1.6	14	0.3	1.1	0.6	60	0.10	0.039
1278397	Soil		5.3	42.9	18.0	60	0.4	18.6	10.8	366	3.20	73.6	1.6	1.8	2.4	26	0.2	2.2	1.0	79	0.22	0.063
1278393	Soil		2.1	52.2	16.2	48	0.5	18.2	7.4	220	3.12	35.4	1.4	2.7	1.7	26	0.2	1.0	0.7	79	0.27	0.051
1278385	Soil		1.3	23.3	15.9	47	0.3	15.6	11.4	440	2.48	13.7	1.1	4.9	1.7	36	0.2	0.5	0.5	63	0.28	0.055
1278378	Soil		2.0	15.2	49.1	41	0.3	13.4	6.2	234	2.80	45.0	0.6	4.4	0.8	15	0.4	1.5	0.8	61	0.14	0.057
1278377	Soil		1.5	16.3	39.7	47	0.3	16.6	7.3	245	2.98	30.0	0.5	6.6	2.0	20	0.4	1.3	0.4	68	0.14	0.044
1369272	Soil		6.9	31.2	210.6	58	1.9	16.9	5.3	228	3.18	317.6	1.2	30.8	0.9	42	0.2	8.8	15.7	54	0.21	0.094
1395296	Soil		2.1	36.5	19.0	56	0.4	22.7	13.0	587	2.82	22.9	1.7	6.1	1.5	52	0.2	0.9	0.9	72	0.47	0.097
1278379	Soil		3.3	32.2	32.4	48	0.5	17.2	5.4	192	2.75	98.1	1.5	16.1	2.2	25	0.3	2.6	0.7	55	0.17	0.086
1369267	Soil		2.7	22.9	44.3	69	0.4	17.7	9.0	349	2.75	15.8	1.2	6.7	1.1	47	0.5	1.0	0.9	66	0.23	0.089

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: CHA
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CERTIFICATE OF ANALYSIS

DAW12000278.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
1278380	Soil	10	25	0.39	230	0.048	2	1.58	0.008	0.05	0.2	0.03	2.7	0.1	<0.05	7	<0.5	<0.2
1278383	Soil	11	27	0.52	255	0.053	<1	1.53	0.013	0.05	0.2	0.05	3.7	0.1	0.07	5	0.8	<0.2
1369271	Soil	11	21	0.23	184	0.066	1	1.11	0.007	0.06	0.3	0.04	2.2	0.2	<0.05	7	0.5	<0.2
1278388	Soil	10	28	0.68	234	0.060	<1	1.55	0.012	0.08	0.2	0.04	3.9	0.1	<0.05	5	0.7	<0.2
1278382	Soil	13	24	0.51	228	0.068	<1	1.12	0.015	0.10	0.3	0.02	3.0	0.1	<0.05	4	<0.5	<0.2
1278381	Soil	9	22	0.31	345	0.046	<1	1.47	0.010	0.05	0.2	0.03	2.3	0.1	<0.05	7	<0.5	<0.2
1278391	Soil	12	29	0.42	205	0.039	1	1.61	0.011	0.08	0.3	0.05	3.4	0.2	0.05	4	1.1	<0.2
1278389	Soil	11	30	0.67	258	0.065	<1	1.77	0.010	0.08	0.2	0.06	4.1	0.2	<0.05	6	<0.5	<0.2
1278386	Soil	8	25	0.68	204	0.068	<1	1.53	0.011	0.08	0.1	0.04	4.5	0.2	<0.05	6	1.1	<0.2
1278392	Soil	11	31	0.38	184	0.030	1	1.73	0.009	0.09	0.3	0.08	3.1	0.3	<0.05	7	1.4	<0.2
1278384	Soil	8	21	0.48	230	0.056	<1	1.41	0.013	0.04	0.2	0.05	3.8	0.2	<0.05	5	<0.5	<0.2
1278390	Soil	10	31	0.48	210	0.044	2	1.90	0.008	0.07	0.2	0.04	3.4	0.1	<0.05	6	1.0	<0.2
1395293	Soil	11	25	0.48	264	0.055	2	1.74	0.014	0.07	0.2	0.04	3.8	0.1	<0.05	6	0.9	<0.2
1395291	Soil	10	23	0.36	192	0.068	<1	1.45	0.009	0.06	0.2	0.05	2.7	0.1	<0.05	6	0.6	<0.2
1278387	Soil	11	33	0.61	238	0.043	<1	1.74	0.011	0.07	0.2	0.07	4.2	0.1	<0.05	5	0.9	<0.2
1278398	Soil	11	30	0.64	335	0.050	<1	1.96	0.011	0.08	0.2	0.09	4.9	0.2	<0.05	6	<0.5	<0.2
1278396	Soil	12	28	0.69	281	0.070	<1	2.01	0.010	0.10	0.2	0.05	5.4	0.2	<0.05	7	<0.5	<0.2
1278394	Soil	11	27	0.61	161	0.057	<1	1.60	0.011	0.09	0.7	0.02	4.3	0.2	<0.05	6	<0.5	<0.2
1395290	Soil	10	21	0.28	182	0.060	1	1.13	0.007	0.07	0.2	0.03	2.1	0.1	<0.05	6	<0.5	<0.2
1395289	Soil	14	28	0.49	177	0.051	1	1.76	0.010	0.07	0.3	0.05	3.3	0.1	<0.05	5	0.8	<0.2
1369274	Soil	9	24	0.36	270	0.043	<1	1.66	0.008	0.04	0.2	0.04	2.6	0.1	<0.05	6	0.6	<0.2
1278397	Soil	13	30	0.64	267	0.069	2	1.74	0.011	0.12	0.2	0.05	5.2	0.2	<0.05	6	0.8	<0.2
1278393	Soil	14	31	0.69	359	0.044	<1	1.85	0.009	0.07	0.1	0.06	5.7	0.2	<0.05	6	<0.5	<0.2
1278385	Soil	13	26	0.56	362	0.047	2	1.99	0.014	0.05	0.2	0.07	4.2	0.2	<0.05	6	<0.5	<0.2
1278378	Soil	10	24	0.36	174	0.038	<1	1.52	0.008	0.06	0.2	0.05	2.2	0.1	<0.05	6	0.5	0.2
1278377	Soil	11	28	0.45	226	0.047	<1	1.86	0.008	0.05	0.2	0.04	2.9	0.1	<0.05	6	<0.5	<0.2
1369272	Soil	14	24	0.33	638	0.028	1	1.26	0.010	0.11	0.4	0.06	2.0	0.2	0.08	6	2.5	0.5
1395296	Soil	13	31	0.75	375	0.033	2	2.11	0.014	0.09	0.2	0.07	4.8	0.2	0.05	6	0.9	<0.2
1278379	Soil	17	27	0.43	293	0.042	2	1.50	0.011	0.07	0.3	0.05	3.3	0.2	<0.05	5	0.6	<0.2
1369267	Soil	14	26	0.50	337	0.032	2	1.95	0.013	0.07	0.2	0.07	3.7	0.2	<0.05	6	0.8	<0.2

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Project: CHA
 Report Date: September 06, 2012

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CERTIFICATE OF ANALYSIS

DAW12000278.1

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	U	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1395292	Soil		1.5	16.0	15.5	36	0.2	12.0	5.4	212	2.15	15.4	0.4	4.0	1.4	26	0.8	0.7	0.7	82	0.17	0.036
1395298	Soil		2.4	33.9	16.8	65	0.3	24.9	12.6	524	3.33	18.3	1.2	3.6	2.1	31	0.2	0.9	0.3	76	0.31	0.076
1395294	Soil		1.3	24.4	14.8	46	0.3	15.4	9.6	408	3.08	19.4	0.7	7.6	2.4	33	0.2	0.7	0.6	74	0.24	0.060
1369273	Soil		2.4	29.7	207.1	59	1.6	20.5	7.5	377	3.10	129.3	1.0	16.8	1.0	24	0.3	4.4	2.7	58	0.15	0.078
1395295	Soil		1.3	33.6	14.0	57	0.3	19.1	12.3	469	2.97	14.1	1.2	5.6	1.6	50	0.3	0.7	0.4	72	0.52	0.081
1369270	Soil		1.2	18.9	55.9	51	0.3	18.6	10.1	340	2.69	41.5	0.5	4.2	3.0	13	0.3	1.6	0.6	54	0.11	0.037
1369269	Soil		2.3	20.9	233.6	64	1.2	18.2	9.2	401	3.08	85.0	0.7	14.8	3.1	17	0.3	4.6	1.8	63	0.15	0.064
1395352	Soil		2.2	30.6	17.4	58	0.2	26.1	12.3	482	3.42	41.8	0.6	5.7	3.9	14	0.3	1.6	0.9	80	0.12	0.041
1395299	Soil		1.9	38.8	17.4	65	0.3	22.4	13.2	397	2.88	23.6	1.4	5.0	3.3	24	0.2	1.1	0.4	68	0.29	0.071
1395297	Soil		2.3	25.0	15.5	57	0.2	20.1	6.8	171	2.71	15.3	1.1	4.3	1.8	23	0.1	0.7	0.4	68	0.22	0.063
1395357	Soil		1.7	46.5	16.6	65	0.3	21.3	12.1	394	3.62	15.5	0.9	4.0	2.1	21	0.2	0.6	0.5	89	0.32	0.040
1395355	Soil		1.2	50.1	13.8	65	0.3	25.9	13.9	399	3.92	17.2	0.7	4.3	4.2	19	0.2	0.7	0.9	97	0.27	0.037
1395354	Soil		1.8	45.7	16.3	55	0.5	19.7	8.9	350	3.13	17.5	1.3	2.4	1.3	22	0.3	0.7	0.7	76	0.30	0.060
1395300	Soil		1.9	27.5	13.8	61	0.1	21.7	9.0	334	3.45	20.8	0.6	4.9	2.6	17	<0.1	1.2	0.3	90	0.17	0.040
1395283	Soil		1.8	19.4	141.2	57	0.4	20.7	9.8	481	3.05	33.7	0.5	3.7	2.8	10	0.2	2.5	0.5	67	0.11	0.039
1395281	Soil		3.0	25.4	339.3	79	2.0	21.6	9.5	382	3.80	36.9	0.8	53.8	4.6	21	0.2	4.9	1.4	64	0.15	0.054
1298651	Soil		2.4	24.8	2.2	44	0.3	24.4	10.0	422	2.52	5.2	0.2	<0.5	0.9	38	0.2	0.3	<0.1	62	0.85	0.059
1395358	Soil		1.5	25.7	15.9	60	0.2	19.3	11.8	425	2.79	14.0	1.0	2.7	2.8	22	0.2	0.6	0.4	67	0.27	0.056
1395359	Soil		2.1	29.5	19.9	62	0.5	22.8	13.3	393	3.77	16.2	1.3	5.4	2.5	23	0.2	0.7	0.4	80	0.36	0.055
1395280	Soil		2.0	13.1	27.6	39	0.3	10.1	4.6	252	3.11	13.7	0.4	4.1	1.8	12	0.2	0.9	0.6	105	0.11	0.038
1395284	Soil		2.3	26.7	288.9	56	1.4	20.2	8.6	277	3.34	122.6	0.8	16.1	3.9	21	0.3	5.8	4.7	62	0.16	0.058
1395279	Soil		1.5	20.2	29.1	47	0.2	13.3	7.4	313	2.71	18.7	0.6	10.0	1.2	22	0.5	1.3	0.9	70	0.13	0.042
1395278	Soil		3.5	32.4	63.2	69	0.5	18.9	12.5	337	4.17	26.1	1.0	19.2	1.4	89	0.3	1.6	1.4	92	0.39	0.143
1395353	Soil		1.9	55.2	19.1	71	0.3	22.0	16.7	739	3.79	14.0	1.3	4.1	3.1	25	0.2	0.8	0.5	78	0.41	0.067
1395351	Soil		2.4	25.4	2.4	45	0.3	24.4	10.4	432	2.56	5.2	0.2	1.3	0.9	38	0.2	0.2	<0.1	65	0.90	0.065
1278395	Soil		4.0	69.7	19.7	68	0.8	26.4	13.4	372	3.29	135.3	2.3	17.6	2.4	28	0.4	2.3	2.3	89	0.45	0.082
1395287	Soil		1.5	20.8	51.7	50	0.6	17.7	8.4	364	3.01	40.8	0.7	7.6	1.0	20	0.4	1.4	0.5	66	0.22	0.070
1395288	Soil		1.5	13.9	38.2	30	0.4	9.7	4.0	302	2.46	32.7	0.4	1.4	0.8	13	0.3	1.2	0.5	75	0.11	0.051
1369266	Soil		2.1	12.5	17.3	77	0.2	15.2	7.5	275	2.96	9.7	0.6	4.0	1.6	14	0.1	0.6	0.3	66	0.13	0.054
1369268	Soil		1.4	18.3	68.1	51	0.5	15.9	8.6	301	3.06	14.8	0.5	6.3	2.1	14	0.3	1.1	0.5	71	0.14	0.041

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1395292	Soil	10	24	0.44	171	0.086	1	1.21	0.009	0.06	0.2	0.02	2.6	0.1	<0.05	7	<0.5	<0.2
1395298	Soil	13	39	0.72	348	0.057	<1	1.95	0.011	0.10	0.2	0.06	5.3	0.1	<0.05	6	0.8	<0.2
1395294	Soil	10	24	0.56	244	0.068	<1	1.78	0.015	0.06	0.2	0.03	4.2	0.1	<0.05	7	0.5	<0.2
1369273	Soil	14	26	0.44	403	0.034	1	1.69	0.010	0.11	0.3	0.09	2.5	0.2	0.06	6	0.8	0.3
1395295	Soil	14	27	0.73	478	0.052	<1	2.02	0.015	0.09	0.2	0.06	6.2	0.2	<0.05	6	<0.5	<0.2
1369270	Soil	9	27	0.40	234	0.045	<1	2.08	0.009	0.05	0.2	0.05	3.4	0.1	<0.05	5	0.7	<0.2
1369269	Soil	12	28	0.46	322	0.047	2	1.65	0.010	0.09	0.4	0.07	3.3	0.2	0.08	6	<0.5	<0.2
1395352	Soil	9	38	0.65	119	0.068	2	2.15	0.008	0.07	0.2	0.03	3.9	0.2	0.05	6	0.7	<0.2
1395299	Soil	13	33	0.72	329	0.069	1	1.76	0.010	0.11	0.2	0.11	5.4	0.2	<0.05	6	<0.5	<0.2
1395297	Soil	11	33	0.72	229	0.052	<1	1.99	0.010	0.08	0.2	0.05	3.9	0.2	0.05	7	<0.5	<0.2
1395357	Soil	9	35	0.80	319	0.075	2	2.20	0.010	0.17	0.2	0.05	5.8	0.2	0.07	7	<0.5	<0.2
1395355	Soil	13	42	0.92	266	0.125	2	2.42	0.015	0.26	0.2	0.04	8.2	0.4	<0.05	8	<0.5	<0.2
1395354	Soil	12	32	0.62	335	0.041	1	1.87	0.009	0.08	0.2	0.05	5.3	0.2	0.07	7	<0.5	<0.2
1395300	Soil	10	39	0.68	182	0.090	2	1.70	0.007	0.11	0.2	0.02	4.7	0.1	0.06	8	<0.5	<0.2
1395283	Soil	10	32	0.45	196	0.061	1	1.91	0.009	0.07	0.2	0.03	3.4	0.1	0.07	6	<0.5	<0.2
1395281	Soil	11	30	0.47	430	0.052	2	1.68	0.016	0.23	0.6	0.06	4.8	0.3	0.41	6	0.6	0.4
1298651	Soil	4	31	0.80	98	0.117	3	1.49	0.077	0.13	13.1	<0.01	5.1	<0.1	0.05	5	<0.5	<0.2
1395358	Soil	13	33	0.73	350	0.064	1	1.75	0.010	0.13	0.1	0.03	4.6	0.2	0.05	6	<0.5	<0.2
1395359	Soil	11	38	0.88	300	0.080	1	2.20	0.010	0.17	0.3	0.05	6.6	0.2	0.07	7	0.5	<0.2
1395280	Soil	9	23	0.18	216	0.078	<1	1.39	0.006	0.04	0.2	0.05	2.4	0.1	0.09	10	<0.5	<0.2
1395284	Soil	13	30	0.45	310	0.053	1	1.70	0.011	0.11	0.4	0.08	3.5	0.2	0.21	6	0.8	<0.2
1395279	Soil	10	23	0.39	267	0.060	1	1.24	0.012	0.09	0.3	0.04	2.9	0.2	0.12	7	<0.5	<0.2
1395278	Soil	13	31	0.71	520	0.044	2	2.21	0.024	0.08	0.5	0.07	5.1	0.2	0.17	7	<0.5	0.4
1395353	Soil	14	40	1.06	344	0.058	<1	2.22	0.009	0.15	0.2	0.04	7.6	0.3	<0.05	7	1.0	<0.2
1395351	Soil	4	33	0.84	98	0.117	3	1.64	0.084	0.14	13.0	0.02	5.3	<0.1	0.12	5	<0.5	<0.2
1278395	Soil	16	35	0.57	268	0.025	<1	2.03	0.012	0.12	0.2	0.16	7.1	0.4	0.08	7	1.2	<0.2
1395287	Soil	10	29	0.43	361	0.044	2	1.72	0.008	0.09	0.2	0.05	2.8	0.2	0.12	7	0.5	<0.2
1395288	Soil	9	20	0.21	243	0.050	<1	1.09	0.008	0.05	0.1	0.05	2.0	0.1	0.12	8	<0.5	<0.2
1369266	Soil	10	29	0.39	194	0.050	2	1.81	0.011	0.05	0.2	0.10	3.0	0.2	0.12	7	<0.5	<0.2
1369268	Soil	9	30	0.39	266	0.048	1	2.05	0.009	0.06	0.2	0.04	3.4	0.2	0.13	7	0.6	<0.2



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CERTIFICATE OF ANALYSIS

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Method	Analyte	Unit	MDL	1DX15 Mo	1DX15 Cu	1DX15 Pb	1DX15 Zn	1DX15 Ag	1DX15 Ni	1DX15 Co	1DX15 Mn	1DX15 Fe	1DX15 As	1DX15 U	1DX15 Au	1DX15 Th	1DX15 Sr	1DX15 Cd	1DX15 Sb	1DX15 Bi	1DX15 V	1DX15 Ca	1DX15 P
				ppm	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1395356	Soil			1.1	42.0	13.0	59	0.1	19.0	12.0	339	3.37	10.6	0.6	3.1	3.2	20	0.1	0.6	0.2	83	0.29	0.034
1395285	Soil			1.7	19.3	146.2	45	0.7	15.0	8.1	446	3.41	33.8	0.5	2.2	2.4	12	0.2	2.3	0.6	84	0.11	0.042
1395286	Soil			1.6	23.0	108.8	55	0.4	20.9	9.2	331	3.28	38.0	0.8	16.0	3.3	18	0.2	2.1	1.2	70	0.16	0.064
1395282	Soil			3.0	19.7	397.5	43	2.4	13.3	5.3	249	3.39	66.6	0.6	12.5	2.1	13	0.2	4.7	1.4	86	0.09	0.048
1278122	Soil			2.1	73.6	61.8	111	0.5	22.9	17.1	1818	3.37	35.6	1.5	8.6	1.6	29	0.6	1.0	0.5	66	0.61	0.093
1278125	Soil			1.5	32.9	10.2	84	0.1	23.5	13.1	447	3.14	11.1	0.8	5.1	3.2	18	0.2	0.6	0.2	67	0.29	0.061
1278123	Soil			1.6	31.6	13.0	79	0.1	22.3	10.4	433	3.08	19.0	0.8	2.4	3.0	19	0.1	0.8	0.3	67	0.35	0.037
1278124	Soil			1.7	34.1	12.2	101	0.3	22.1	11.6	506	2.88	16.6	1.3	3.0	2.4	23	0.3	0.7	0.2	59	0.53	0.060
1288447	Soil			5.2	31.9	552.1	203	2.2	10.9	27.8	862	7.31	28.5	1.2	16.4	3.4	183	1.1	8.5	6.2	76	0.58	0.166
1288449	Soil			4.2	14.8	39.6	59	1.0	11.1	9.9	856	3.53	17.8	1.3	3.8	2.1	50	0.3	2.2	1.3	43	0.60	0.102
1278113	Soil			1.6	39.1	9.9	73	0.1	24.5	13.8	362	2.94	12.2	1.1	3.1	4.3	16	0.2	0.6	0.3	61	0.26	0.051
1278105	Soil			1.7	40.4	11.3	80	0.2	22.3	10.1	352	3.55	14.6	1.2	5.0	4.9	16	0.2	0.8	0.3	59	0.19	0.049
1278109	Soil			2.3	25.0	18.8	42	0.2	17.0	31.2	1048	2.87	46.5	0.5	11.0	0.9	41	0.2	1.2	1.7	77	0.20	0.057
1278108	Soil			2.4	55.3	16.8	52	0.4	16.7	20.6	716	3.55	61.1	0.7	18.9	1.0	46	0.3	1.2	1.8	64	0.21	0.080
1278111	Soil			3.7	44.6	23.6	47	0.7	13.1	7.5	237	3.66	40.7	1.0	11.0	1.5	28	0.3	1.9	1.4	72	0.19	0.074
1288446	Soil			4.8	93.1	588.5	126	6.5	25.4	35.9	983	6.22	26.2	1.8	31.1	3.9	312	0.4	7.4	1.7	107	0.47	0.135
1278121	Soil			1.7	32.6	14.0	82	0.3	21.1	10.3	404	3.11	18.9	0.9	5.6	2.7	13	0.1	0.8	0.5	60	0.18	0.049
1278117	Soil			1.1	44.7	13.8	65	0.2	22.2	9.3	231	2.71	18.7	1.2	3.7	3.1	17	0.2	1.0	0.3	55	0.18	0.052
1278101	Soil			1.5	442.1	21.7	163	0.2	208.0	75.9	822	15.69	3.2	1.1	35.5	7.3	14	<0.1	0.3	0.2	221	0.31	0.040
1278114	Soil			1.3	37.8	10.3	67	0.2	22.7	9.7	273	2.71	26.0	1.0	3.7	2.6	14	0.1	1.1	0.3	55	0.19	0.046
1278119	Soil			1.6	38.3	12.3	80	0.2	17.1	9.7	381	4.04	7.7	0.7	1.8	4.3	15	<0.1	0.6	0.3	71	0.19	0.043
1288450	Soil			3.1	48.9	35.1	73	0.4	14.4	11.9	355	3.20	15.6	0.9	21.6	2.1	33	0.3	1.5	0.9	52	0.27	0.069
1278115	Soil			1.5	41.7	12.8	62	0.2	21.8	9.2	250	2.94	14.0	1.0	3.8	4.4	23	0.1	0.7	0.4	57	0.25	0.059
1278110	Soil			3.6	55.8	42.3	89	0.5	27.4	13.7	461	4.84	71.4	1.3	14.8	3.4	44	0.3	2.6	0.7	100	0.21	0.079
1278118	Soil			1.8	54.0	17.9	119	0.3	23.4	13.9	377	3.90	19.9	0.9	9.7	3.8	12	<0.1	0.6	0.4	64	0.25	0.062
1278102	Soil			1.1	35.6	19.4	49	0.3	11.3	15.3	711	4.13	17.7	0.6	6.6	2.4	97	0.1	2.7	0.7	123	0.67	0.151
1278104	Soil			1.4	12.5	17.7	54	0.2	11.4	22.6	794	4.01	32.9	0.6	8.7	0.9	44	0.2	0.8	0.5	101	0.35	0.095
1278106	Soil			0.8	6.2	11.6	47	<0.1	8.1	19.0	732	4.23	23.8	0.3	3.6	1.1	102	0.2	0.6	0.4	122	0.78	0.152
1288448	Soil			8.2	63.4	568.6	197	4.2	7.0	13.0	589	5.58	46.2	1.8	16.5	4.0	76	0.8	9.1	7.8	20	0.56	0.127
1278112	Soil			2.2	54.9	11.3	58	0.3	21.9	15.0	521	3.24	27.5	1.2	26.2	2.6	30	0.2	1.0	0.6	74	0.27	0.079

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Project: CHA
 Report Date: September 06, 2012

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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		
				La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
				ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm		
				1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.05	1	0.5	0.2		
1395356	Soil			9	29	0.88	240	0.105	<1	1.89	0.013	0.16	0.2	0.03	6.4	0.2	0.05	6	<0.5	<0.2
1395285	Soil			11	32	0.34	247	0.050	<1	1.98	0.008	0.05	0.2	0.04	3.2	0.2	0.11	9	<0.5	<0.2
1395286	Soil			12	34	0.57	283	0.060	2	2.06	0.011	0.08	0.4	0.04	4.5	0.1	0.16	7	0.6	0.3
1395282	Soil			10	28	0.23	234	0.043	1	1.62	0.009	0.08	0.3	0.07	3.0	0.3	0.24	9	0.9	0.3
1278122	Soil			11	35	0.72	484	0.050	2	1.82	0.012	0.09	0.4	0.09	6.0	0.2	0.14	7	1.3	<0.2
1278125	Soil			11	45	0.89	244	0.105	1	1.72	0.012	0.22	0.2	0.02	4.3	0.2	0.09	6	0.7	<0.2
1278123	Soil			12	35	0.81	235	0.084	1	1.70	0.010	0.10	0.2	0.02	4.2	0.2	0.11	6	<0.5	<0.2
1278124	Soil			12	33	0.84	299	0.074	2	1.72	0.011	0.12	0.2	0.03	4.7	0.1	0.13	6	<0.5	<0.2
1288447	Soil			25	22	0.74	310	0.011	2	1.94	0.114	0.24	0.2	0.08	6.5	0.3	1.03	6	1.8	1.1
1288449	Soil			23	20	0.47	1017	0.011	2	1.56	0.014	0.07	0.2	0.09	3.1	0.1	0.24	5	0.8	0.4
1278113	Soil			14	36	0.88	246	0.097	2	1.81	0.012	0.16	0.2	0.03	4.9	0.2	0.09	6	<0.5	<0.2
1278105	Soil			19	36	0.96	218	0.052	<1	1.80	0.009	0.10	<0.1	0.02	5.3	<0.1	0.10	6	1.6	0.3
1278109	Soil			7	27	0.61	180	0.053	2	1.30	0.018	0.08	0.2	0.04	2.0	0.2	0.09	6	<0.5	0.2
1278108	Soil			9	17	0.48	552	0.029	2	1.25	0.018	0.08	0.2	0.07	2.9	0.2	0.17	4	0.6	0.3
1278111	Soil			9	27	0.41	470	0.023	3	1.28	0.019	0.10	0.2	0.07	3.1	0.1	0.18	6	0.7	0.3
1288446	Soil			13	42	1.06	429	0.102	3	2.91	0.041	0.17	0.1	0.15	7.1	0.4	0.32	7	2.1	0.4
1278121	Soil			11	32	0.70	215	0.049	2	1.80	0.007	0.08	0.3	0.06	4.1	0.1	0.06	6	0.8	<0.2
1278117	Soil			13	33	0.71	298	0.066	2	1.65	0.010	0.13	0.2	0.05	3.8	0.2	0.06	5	0.7	<0.2
1278101	Soil			17	691	0.12	145	0.147	4	3.67	0.012	0.06	<0.1	0.04	39.8	0.1	0.07	20	<0.5	<0.2
1278114	Soil			12	32	0.73	211	0.070	2	1.61	0.008	0.13	0.2	0.05	3.5	0.2	0.06	5	0.7	<0.2
1278119	Soil			12	29	1.07	298	0.048	1	1.87	0.012	0.10	<0.1	0.02	6.3	<0.1	0.08	6	1.9	0.5
1288450	Soil			16	24	0.48	326	0.024	2	1.44	0.012	0.06	0.2	0.08	3.4	0.1	0.11	4	0.7	0.3
1278115	Soil			13	36	0.80	417	0.069	1	1.81	0.011	0.18	0.2	0.05	4.1	0.2	0.14	6	1.5	<0.2
1278110	Soil			10	94	0.89	416	0.019	1	1.93	0.045	0.12	0.1	0.04	7.1	0.1	0.32	7	0.6	0.5
1278118	Soil			13	36	1.30	345	0.046	1	2.22	0.010	0.18	<0.1	0.03	5.7	0.2	0.05	6	1.3	<0.2
1278102	Soil			12	22	0.96	249	0.071	2	2.11	0.018	0.16	0.2	0.04	5.3	0.2	0.05	6	<0.5	0.4
1278104	Soil			7	21	1.11	129	0.054	2	2.22	0.011	0.03	0.2	0.06	5.8	<0.1	0.09	8	0.5	0.5
1278106	Soil			4	16	1.52	256	0.138	1	2.86	0.017	0.05	0.2	0.02	5.3	0.1	<0.05	9	<0.5	<0.2
1288448	Soil			21	9	0.24	244	0.002	6	0.92	0.074	0.33	0.5	0.12	2.3	0.5	0.95	2	3.7	1.5
1278112	Soil			12	35	0.71	506	0.053	1	1.67	0.015	0.16	0.2	0.02	4.7	0.2	0.20	6	0.9	0.3

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Project: CHA
 Report Date: September 06, 2012

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CERTIFICATE OF ANALYSIS

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit	MDL	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1278103	Soil	1.2	47.5	10.4	53	0.1	18.9	20.8	459	3.11	23.0	0.6	12.2	2.9	71	0.3	0.6	0.2	81	0.41	0.129
1278107	Soil	1.9	55.2	10.2	55	0.1	16.2	22.3	697	4.61	39.1	0.7	14.0	2.5	41	0.3	0.6	0.5	119	0.44	0.094
1369609	Soil	2.2	53.3	25.6	93	0.5	21.3	9.4	353	3.10	64.3	1.3	23.6	2.7	19	0.3	2.2	0.8	55	0.25	0.054
1369610	Soil	1.7	47.5	99.0	137	0.5	18.4	8.9	341	3.23	24.2	0.8	7.3	3.4	16	0.2	1.4	0.6	50	0.28	0.055
1278116	Soil	1.1	53.2	14.5	61	0.3	22.2	11.8	365	2.76	13.0	1.2	5.2	3.0	29	0.2	0.5	0.4	65	0.42	0.085
1278120	Soil	1.4	37.4	9.8	74	0.1	22.8	8.2	370	3.20	11.7	1.1	3.3	7.8	17	0.1	0.8	0.3	46	0.22	0.056
1369611	Soil	3.3	78.9	13.8	292	0.2	53.4	24.9	585	6.03	47.7	3.0	3.2	16.4	24	0.7	2.4	0.6	34	0.17	0.072
1369614	Soil	1.1	19.3	17.4	84	<0.1	9.7	10.0	928	2.37	7.9	0.7	1.5	5.1	11	0.2	0.7	0.1	22	0.14	0.029
1369613	Soil	2.0	35.6	12.7	99	0.1	22.0	13.0	747	3.50	20.2	1.0	4.0	3.6	16	0.2	0.9	1.1	58	0.16	0.033
1369608	Soil	2.7	51.2	40.2	88	0.3	23.3	9.6	374	3.11	65.9	1.2	8.1	2.1	25	0.5	2.1	0.5	61	0.38	0.051
1369597	Soil	5.1	76.0	49.0	51	2.6	13.3	6.4	220	5.65	191.2	1.1	52.5	3.3	41	0.1	26.1	30.3	60	0.23	0.105
1369593	Soil	2.0	21.4	12.1	48	0.1	18.5	9.4	297	3.24	19.7	0.7	5.5	1.7	18	0.2	0.6	0.4	65	0.14	0.047
1369612	Soil	1.9	43.2	13.2	151	0.4	24.0	13.6	553	3.33	36.1	1.2	5.3	3.1	24	0.2	1.5	0.5	51	0.28	0.061
1369592	Soil	3.7	65.6	31.2	65	0.8	10.9	22.4	776	6.05	56.1	1.1	12.9	1.8	48	0.3	2.1	1.1	47	0.12	0.113
1278038	Soil	0.8	7.5	106.4	51	0.3	9.3	10.4	883	5.46	21.2	0.4	9.8	1.9	840	0.3	1.0	0.6	144	1.17	0.151
1278352	Soil	2.1	25.1	19.7	46	0.2	12.5	9.3	289	3.36	88.1	0.8	10.4	0.7	23	0.2	1.9	0.4	81	0.11	0.086
1369590	Soil	2.5	14.5	35.1	69	0.2	13.3	24.6	473	4.14	16.0	1.5	5.7	3.1	39	0.3	1.0	0.6	36	0.13	0.067
1369591	Soil	2.6	27.0	82.4	98	0.7	8.7	8.6	442	3.45	24.8	0.7	14.7	0.6	31	0.6	3.5	1.5	38	0.29	0.109
1278366	Soil	1.6	33.7	22.0	84	0.5	17.8	9.2	512	2.39	15.9	1.5	5.5	1.4	23	0.3	0.9	0.8	57	0.23	0.066
1278361	Soil	0.7	10.5	11.2	40	0.1	9.5	8.3	409	1.80	9.0	0.6	7.5	1.0	13	0.1	0.7	0.3	44	0.09	0.045
1278047	Soil	2.9	4.8	20.2	39	<0.1	6.2	8.5	813	3.30	8.7	0.9	1.8	2.0	47	0.1	0.6	0.3	30	0.09	0.089
1278364	Soil	0.8	15.0	11.6	58	0.1	14.7	9.8	369	2.04	9.4	0.7	6.6	2.3	18	<0.1	0.9	0.2	49	0.18	0.043
1278356	Soil	0.9	17.4	17.0	66	0.1	15.1	11.2	582	2.29	25.1	1.1	8.3	3.1	25	0.3	2.5	0.7	45	0.20	0.076
1278042	Soil	5.2	6.9	31.5	48	0.1	8.4	11.6	1053	4.45	12.1	2.1	1.6	3.4	57	0.1	1.0	0.4	26	0.44	0.108
1278365	Soil	1.8	44.8	14.1	124	0.7	25.1	12.7	550	3.01	28.4	2.8	7.7	2.5	25	1.1	1.1	1.1	55	0.24	0.075
1278360	Soil	0.7	11.9	15.1	48	0.2	12.7	5.7	188	1.77	13.4	0.8	4.1	1.6	21	0.2	1.0	0.2	39	0.20	0.056
1369588	Soil	3.7	11.8	42.7	69	0.5	12.4	12.8	1430	5.46	21.6	2.0	5.5	6.0	103	0.5	1.0	1.1	46	0.36	0.130
1278362	Soil	0.8	17.8	14.4	61	0.1	13.8	10.5	354	2.76	12.4	0.8	2.7	3.0	22	0.1	1.1	0.4	64	0.27	0.050
1369586	Soil	6.3	48.9	327.7	154	1.9	4.0	6.9	381	4.73	37.8	2.1	23.5	5.0	90	0.7	6.0	5.0	17	0.23	0.133
1369583	Soil	1.2	36.8	26.7	59	0.3	23.3	33.0	1513	6.39	18.4	1.7	21.0	3.9	201	0.3	1.5	6.1	103	0.94	0.163

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	0.2
1278103	Soil	11	24	0.60	165	0.086	2	1.92	0.017	0.12	0.2	0.04	3.5	0.1	<0.05	5	<0.5	<0.2
1278107	Soil	11	25	1.00	154	0.114	2	1.99	0.019	0.16	0.3	0.03	7.4	0.3	0.05	7	<0.5	<0.2
1369609	Soil	15	30	0.63	191	0.031	<1	1.57	0.008	0.06	0.4	0.07	3.6	0.2	0.09	5	1.0	0.3
1369610	Soil	14	31	0.88	245	0.019	<1	1.84	0.008	0.05	0.2	0.07	3.9	0.2	<0.05	6	1.2	0.2
1278116	Soil	14	36	0.84	379	0.064	<1	1.87	0.011	0.13	0.2	0.05	4.6	0.2	0.07	6	0.8	<0.2
1278120	Soil	24	31	0.82	237	0.041	<1	1.51	0.009	0.09	0.2	0.02	3.9	0.1	0.06	4	1.1	0.3
1369611	Soil	41	26	0.62	193	0.007	<1	1.48	0.006	0.09	0.2	0.04	4.7	<0.1	0.09	4	2.7	0.7
1369614	Soil	16	11	0.73	208	0.021	<1	1.63	0.005	0.26	<0.1	<0.01	3.0	0.1	<0.05	5	<0.5	<0.2
1369613	Soil	12	35	0.75	298	0.044	<1	1.73	0.009	0.07	0.2	0.02	4.7	<0.1	0.06	5	0.6	<0.2
1369608	Soil	12	31	0.61	266	0.046	<1	1.69	0.011	0.11	0.2	0.05	3.6	0.2	0.14	6	0.5	<0.2
1369597	Soil	15	23	0.36	407	0.011	1	1.13	0.027	0.26	1.7	0.33	5.0	0.5	0.54	5	3.2	2.0
1369593	Soil	11	31	0.46	332	0.048	1	2.05	0.009	0.05	0.2	0.07	3.0	0.1	0.10	6	0.8	<0.2
1369612	Soil	19	32	0.78	269	0.020	<1	1.85	0.009	0.08	0.2	0.05	4.2	0.1	0.06	6	1.1	<0.2
1369592	Soil	13	17	0.36	404	0.020	1	1.32	0.103	0.17	0.2	0.07	3.1	0.1	0.64	4	2.3	0.6
1278038	Soil	9	49	1.11	359	0.006	<1	2.66	0.040	0.05	0.1	0.06	5.5	0.1	0.14	6	<0.5	0.4
1278352	Soil	9	26	0.64	190	0.018	<1	1.86	0.014	0.06	0.2	0.12	3.5	0.2	0.13	7	0.7	0.3
1369590	Soil	25	16	0.30	979	0.017	1	1.08	0.016	0.06	0.2	0.04	2.7	0.1	0.24	3	0.7	0.4
1369591	Soil	16	15	0.20	421	0.009	2	0.83	0.016	0.09	0.2	0.06	1.3	0.1	0.24	3	0.6	0.6
1278366	Soil	15	30	0.72	499	0.023	1	2.04	0.010	0.09	0.2	0.10	5.0	0.2	<0.05	7	1.2	<0.2
1278361	Soil	8	22	0.40	134	0.043	3	1.16	0.010	0.05	0.3	0.03	1.9	<0.1	<0.05	5	0.8	<0.2
1278047	Soil	25	13	0.29	1487	0.006	1	1.04	0.007	0.05	0.2	0.04	1.4	<0.1	0.06	3	0.7	0.2
1278364	Soil	10	24	0.58	232	0.062	2	1.29	0.009	0.09	0.3	0.06	2.8	<0.1	<0.05	5	<0.5	<0.2
1278356	Soil	12	23	0.47	159	0.040	1	1.17	0.011	0.07	0.3	0.06	2.5	0.1	<0.05	4	<0.5	<0.2
1278042	Soil	39	12	0.40	869	0.005	2	1.10	0.018	0.06	0.2	0.07	2.3	<0.1	0.13	3	1.1	0.4
1278365	Soil	16	29	0.65	510	0.015	2	2.10	0.012	0.07	0.2	0.14	6.3	0.2	<0.05	6	2.1	<0.2
1278360	Soil	10	24	0.45	222	0.047	2	1.16	0.009	0.06	0.3	0.07	2.6	0.1	<0.05	4	0.5	<0.2
1369588	Soil	27	15	0.57	365	0.022	2	1.33	0.063	0.18	0.2	0.04	3.4	0.1	0.46	4	1.4	0.7
1278362	Soil	10	24	0.80	272	0.085	2	1.56	0.009	0.17	0.6	0.06	4.2	0.2	<0.05	6	<0.5	<0.2
1369586	Soil	19	6	0.20	170	0.003	7	0.78	0.028	0.38	0.2	0.11	3.1	0.5	0.88	2	2.2	1.4
1369583	Soil	12	53	1.37	155	0.013	<1	3.00	0.050	0.12	0.2	0.04	7.1	0.2	0.31	7	2.0	0.7



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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
1369585	Soil	1.9	11.5	153.3	103	1.7	12.3	17.6	1012	7.17	30.2	1.1	19.3	2.2	318	0.7	2.3	4.4	116	0.86	0.228
1369604	Soil	3.2	60.1	13.1	63	0.5	19.4	8.3	391	5.06	180.5	1.8	0.6	3.5	24	0.2	2.9	0.6	61	0.11	0.085
1369584	Soil	1.6	6.4	29.4	51	0.2	10.0	11.4	1063	5.92	16.6	0.5	9.4	1.7	803	0.4	0.7	0.3	140	1.50	0.260
1369587	Soil	5.3	17.3	158.7	191	0.9	13.6	36.2	1608	6.40	42.1	2.6	17.2	7.9	127	2.2	2.1	3.9	36	0.34	0.203
1278046	Soil	2.5	14.6	14.9	37	0.2	7.3	4.5	290	2.58	8.7	0.6	1.3	0.3	27	0.3	0.7	0.3	59	0.14	0.090
1369582	Soil	1.4	36.5	63.9	122	1.0	23.7	23.8	2150	6.80	16.3	2.9	10.7	5.3	247	1.0	2.8	2.6	87	0.80	0.129
1369606	Soil	2.1	52.3	12.6	84	0.3	23.3	15.3	491	3.16	23.9	2.0	3.8	2.1	19	0.3	0.9	0.5	65	0.22	0.057
1369589	Soil	2.2	10.4	37.7	67	0.4	12.3	18.7	749	4.46	30.4	1.3	3.6	2.9	57	0.4	1.2	1.0	44	0.10	0.060
1278048	Soil	3.4	42.1	16.1	46	0.3	18.0	7.2	273	3.25	80.5	1.1	6.1	2.0	31	0.2	4.0	0.5	57	0.13	0.063
1278363	Soil	0.7	14.4	14.0	56	0.2	13.9	7.4	279	2.25	9.9	0.6	5.8	2.4	18	0.1	0.9	0.2	54	0.19	0.049
1278358	Soil	1.1	35.3	16.5	63	<0.1	18.0	11.7	337	2.45	36.5	0.9	2.6	3.1	20	0.2	1.6	0.3	43	0.17	0.054
1278040	Soil	4.8	5.3	25.1	72	<0.1	9.9	13.8	1294	4.34	17.1	1.2	<0.5	3.7	86	0.5	0.9	0.2	69	0.79	0.168
1278359	Soil	1.0	20.0	33.1	62	0.2	17.2	14.7	737	2.47	28.3	1.0	1.4	2.3	29	0.3	1.9	0.3	52	0.24	0.062
1278357	Soil	0.7	14.6	15.3	74	0.1	16.0	8.3	365	2.10	20.5	0.7	3.6	1.8	29	0.4	1.6	0.3	44	0.32	0.049
1278351	Soil	2.5	23.9	2.4	41	0.3	22.7	9.5	434	2.42	4.5	0.3	1.3	0.9	42	0.2	0.3	<0.1	59	0.79	0.060
1278035	Soil	0.3	10.8	18.4	43	0.2	9.5	8.2	1088	1.77	6.9	0.3	1.2	2.1	293	0.2	0.3	<0.1	58	1.65	0.136
1369601	Soil	1.5	406.8	22.4	159	0.2	196.7	70.1	818	14.91	3.1	1.3	33.1	7.5	13	<0.1	0.3	0.1	207	0.29	0.043
1369596	Soil	2.7	44.0	20.1	54	0.3	19.5	8.9	356	3.75	32.1	1.3	5.8	2.0	35	0.2	2.4	0.6	69	0.21	0.089
1369594	Soil	2.6	26.6	16.3	43	0.5	9.8	10.0	339	4.23	43.5	0.9	8.6	0.3	33	0.2	1.9	1.1	60	0.14	0.132
1278037	Soil	1.3	14.4	13.4	43	0.2	4.8	3.4	807	1.71	6.0	0.5	<0.5	0.1	10	0.6	0.4	0.2	41	0.05	0.069
1278353	Soil	1.6	18.3	13.5	62	0.1	19.5	14.6	834	2.82	31.0	0.9	24.4	1.7	27	0.4	1.4	0.2	67	0.23	0.103
1369607	Soil	1.7	37.1	13.9	52	0.6	15.0	6.7	236	1.97	33.6	1.9	18.0	0.6	27	0.2	1.1	1.0	38	0.36	0.076
1278355	Soil	1.3	18.8	11.5	44	0.2	12.9	7.2	311	2.14	48.3	1.4	3.9	1.7	30	0.1	2.5	0.5	46	0.23	0.069
1278049	Soil	1.4	12.8	15.8	26	0.2	6.8	3.3	142	2.09	10.9	0.6	2.6	0.4	15	0.1	0.7	0.3	46	0.07	0.039
1278039	Soil	3.0	17.2	15.2	61	0.2	21.1	19.6	1540	4.59	12.9	0.9	1.7	1.0	272	0.5	0.7	0.4	99	0.71	0.233
1369602	Soil	1.5	35.5	11.3	53	0.1	15.4	13.8	512	2.53	16.0	0.8	15.8	1.4	20	0.1	0.7	0.3	58	0.26	0.054
1278041	Soil	2.6	12.1	22.8	47	0.3	13.3	11.4	893	3.62	17.1	1.9	2.8	2.0	56	0.2	0.9	0.5	41	0.24	0.111
1278050	Soil	3.2	25.9	46.4	53	0.8	9.9	11.3	420	3.25	87.7	0.9	20.5	0.7	72	0.2	4.0	1.6	47	0.34	0.091
1369595	Soil	2.6	33.6	19.0	48	0.2	24.2	8.3	238	3.18	42.1	1.1	5.5	0.5	23	0.2	2.8	0.5	58	0.16	0.082
1369605	Soil	1.2	44.7	11.7	66	0.3	21.3	13.5	359	2.55	19.2	1.3	5.2	1.6	17	0.1	0.8	0.3	53	0.17	0.044

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	
1369585	Soil	14	40	1.00	430	0.013	3	2.09	0.040	0.21	0.3	0.05	8.7	0.3	0.57	6	1.4	1.0
1369604	Soil	18	28	0.45	274	0.032	<1	1.81	0.011	0.11	0.2	0.05	2.8	0.2	0.12	7	1.7	0.4
1369584	Soil	9	53	1.27	249	0.006	1	2.79	0.046	0.06	<0.1	0.07	7.1	<0.1	0.08	7	<0.5	<0.2
1369587	Soil	32	12	0.37	192	0.014	2	0.96	0.162	0.25	0.2	0.04	3.9	0.3	0.88	3	3.0	1.8
1278046	Soil	17	14	0.19	443	0.015	<1	1.42	0.006	0.04	0.1	0.09	1.1	0.1	<0.05	6	<0.5	<0.2
1369582	Soil	13	46	0.63	564	0.009	4	1.90	0.025	0.20	0.1	0.08	10.7	0.3	0.51	6	1.6	0.5
1369606	Soil	13	33	0.69	240	0.072	2	1.90	0.010	0.13	0.3	0.04	3.8	0.2	<0.05	7	1.0	<0.2
1369589	Soil	18	17	0.36	699	0.021	1	1.21	0.019	0.11	0.6	0.05	2.0	0.1	0.20	4	1.1	0.9
1278048	Soil	13	24	0.35	404	0.027	1	1.33	0.021	0.13	0.3	0.07	2.3	0.2	0.25	5	1.5	0.4
1278363	Soil	10	26	0.62	162	0.073	3	1.42	0.010	0.11	0.3	0.06	3.1	0.1	<0.05	5	<0.5	<0.2
1278358	Soil	12	30	0.52	142	0.045	1	1.39	0.008	0.08	0.7	0.04	2.5	0.1	<0.05	4	0.7	<0.2
1278040	Soil	26	18	0.62	795	0.005	<1	1.93	0.008	0.08	<0.1	0.03	6.8	0.1	<0.05	5	0.9	<0.2
1278359	Soil	11	29	0.59	234	0.055	2	1.54	0.011	0.09	0.7	0.08	3.3	0.2	<0.05	5	0.6	<0.2
1278357	Soil	9	22	0.44	184	0.044	2	1.15	0.011	0.07	0.4	0.05	2.1	<0.1	<0.05	4	<0.5	<0.2
1278351	Soil	4	28	0.75	93	0.113	4	1.43	0.073	0.13	13.6	0.01	4.8	<0.1	<0.05	5	<0.5	<0.2
1278035	Soil	8	23	0.56	172	0.005	<1	3.44	0.059	0.02	<0.1	0.05	6.7	<0.1	<0.05	6	<0.5	<0.2
1369601	Soil	17	577	0.13	142	0.155	3	3.83	0.012	0.07	<0.1	0.04	39.3	<0.1	<0.05	20	0.6	<0.2
1369596	Soil	15	19	0.54	303	0.029	1	1.66	0.014	0.16	0.1	0.06	4.1	0.2	0.13	6	1.0	0.2
1369594	Soil	8	15	0.37	274	0.026	<1	1.52	0.040	0.07	0.3	0.09	1.8	0.1	0.22	5	1.0	0.4
1278037	Soil	9	9	0.10	247	0.022	<1	0.87	0.011	0.04	<0.1	0.06	0.8	<0.1	<0.05	4	<0.5	<0.2
1278353	Soil	12	28	0.53	231	0.043	2	1.63	0.013	0.07	0.3	0.09	3.0	0.1	<0.05	5	<0.5	<0.2
1369607	Soil	11	21	0.45	273	0.033	1	1.26	0.010	0.08	0.2	0.11	2.8	0.2	0.08	5	0.9	<0.2
1278355	Soil	13	21	0.37	187	0.035	<1	1.13	0.012	0.07	0.2	0.10	2.6	0.1	0.07	4	0.7	<0.2
1278049	Soil	12	15	0.16	258	0.018	<1	1.19	0.010	0.03	0.2	0.04	1.4	0.1	<0.05	5	<0.5	0.2
1278039	Soil	17	41	1.09	465	0.020	<1	2.66	0.013	0.09	0.1	0.16	5.0	0.2	0.12	7	0.5	0.3
1369602	Soil	8	28	0.68	314	0.059	<1	1.33	0.009	0.11	0.2	0.03	2.4	0.1	0.11	5	<0.5	<0.2
1278041	Soil	35	19	0.64	1120	0.009	<1	1.54	0.007	0.04	0.2	0.11	2.4	0.1	0.11	4	0.6	0.4
1278050	Soil	7	16	0.42	364	0.011	<1	1.14	0.014	0.11	0.2	0.14	2.3	0.4	0.22	4	1.3	0.7
1369595	Soil	7	26	0.43	252	0.023	<1	1.13	0.009	0.06	0.4	0.06	2.0	0.1	0.09	4	<0.5	0.3
1369605	Soil	11	31	0.63	207	0.054	<1	1.61	0.007	0.11	0.2	0.03	3.2	0.2	<0.05	6	<0.5	<0.2

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
1369598	Soil	2.8	40.1	22.5	37	1.1	12.5	7.9	387	3.33	74.2	0.9	26.1	0.4	28	0.2	3.6	5.9	63	0.15	0.096
1369599	Soil	2.3	48.5	26.1	48	0.7	16.1	14.0	574	3.14	51.6	1.1	12.7	0.8	28	0.3	1.9	1.4	62	0.17	0.078
1278036	Soil	0.7	3.2	33.5	51	0.2	6.6	7.5	934	3.47	8.5	0.2	<0.5	2.2	497	0.7	0.7	<0.1	103	2.04	0.232
1278043	Soil	4.3	6.3	28.6	42	0.3	7.1	8.9	708	4.03	12.6	2.0	2.9	2.8	53	0.2	0.8	0.4	26	0.53	0.105
1278354	Soil	1.5	12.5	13.2	59	0.1	16.1	12.9	676	2.38	29.1	0.7	8.4	2.3	21	0.2	1.5	0.2	54	0.24	0.067
1369600	Soil	1.6	33.7	12.0	40	0.2	13.4	8.7	555	2.30	13.2	0.8	2.6	0.6	25	0.4	0.4	0.3	50	0.21	0.068



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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	
1369598	Soil	8	23	0.38	296	0.014	<1	1.11	0.016	0.16	0.5	0.09	2.0	0.2	0.25	5	1.7	0.8
1369599	Soil	11	34	0.52	369	0.019	<1	1.36	0.014	0.09	0.3	0.05	2.5	0.1	0.13	6	<0.5	0.6
1278036	Soil	10	30	1.12	96	0.002	<1	3.04	0.039	0.02	<0.1	0.03	7.2	<0.1	<0.05	6	<0.5	0.2
1278043	Soil	31	12	0.30	1324	0.004	<1	1.03	0.006	0.05	0.2	0.08	1.9	<0.1	0.12	3	1.2	0.3
1278354	Soil	12	27	0.45	229	0.040	<1	1.08	0.008	0.06	0.4	0.05	2.2	0.1	<0.05	4	<0.5	<0.2
1369600	Soil	8	22	0.46	343	0.029	<1	1.25	0.011	0.07	0.2	0.04	1.8	0.1	0.09	5	0.7	<0.2



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QUALITY CONTROL REPORT

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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																					
1278389	Soil	2.2	24.8	16.1	53	0.3	16.9	12.6	516	2.70	17.6	1.0	4.0	1.5	24	<0.1	0.8	0.4	72	0.26	0.059
REP 1278389	QC	2.4	25.5	16.8	53	0.3	17.1	12.3	518	2.70	17.8	1.0	3.4	1.7	25	0.2	0.8	0.4	72	0.27	0.059
1278394	Soil	2.1	37.4	15.7	56	0.2	18.4	10.7	486	3.24	59.1	0.8	3.0	3.1	17	0.2	1.8	1.6	76	0.22	0.040
REP 1278394	QC	2.0	35.4	16.1	57	0.2	18.7	10.3	481	3.11	55.5	0.9	4.2	3.2	17	0.3	1.7	1.8	76	0.23	0.042
1395300	Soil	1.9	27.5	13.8	61	0.1	21.7	9.0	334	3.45	20.8	0.6	4.9	2.6	17	<0.1	1.2	0.3	90	0.17	0.040
REP 1395300	QC	1.9	26.3	13.7	60	0.1	20.7	8.9	317	3.28	20.3	0.5	0.7	2.6	17	0.2	1.1	0.3	87	0.17	0.036
1395353	Soil	1.9	55.2	19.1	71	0.3	22.0	16.7	739	3.79	14.0	1.3	4.1	3.1	25	0.2	0.8	0.5	78	0.41	0.067
REP 1395353	QC	1.8	55.5	19.2	71	0.3	21.3	16.8	752	3.78	14.2	1.5	5.0	3.1	26	0.3	0.9	0.5	80	0.41	0.067
1278114	Soil	1.3	37.8	10.3	67	0.2	22.7	9.7	273	2.71	26.0	1.0	3.7	2.6	14	0.1	1.1	0.3	55	0.19	0.046
REP 1278114	QC	1.3	40.3	10.7	70	0.2	24.0	10.2	294	2.85	26.9	1.0	4.0	2.6	15	0.1	1.2	0.3	57	0.20	0.047
1278112	Soil	2.2	54.9	11.3	58	0.3	21.9	15.0	521	3.24	27.5	1.2	26.2	2.6	30	0.2	1.0	0.6	74	0.27	0.079
REP 1278112	QC	2.5	55.4	12.6	61	0.3	21.1	15.2	525	3.27	27.7	1.2	10.9	2.6	32	0.2	1.0	0.6	75	0.28	0.078
1278360	Soil	0.7	11.9	15.1	48	0.2	12.7	5.7	188	1.77	13.4	0.8	4.1	1.6	21	0.2	1.0	0.2	39	0.20	0.056
REP 1278360	QC	0.6	11.7	15.8	46	0.1	13.4	5.9	195	1.73	12.9	0.8	2.4	1.6	22	0.2	1.1	0.2	40	0.21	0.055
1369582	Soil	1.4	36.5	63.9	122	1.0	23.7	23.8	2150	6.80	16.3	2.9	10.7	5.3	247	1.0	2.8	2.6	87	0.80	0.129
REP 1369582	QC	1.4	38.2	64.6	129	0.9	23.9	23.6	2116	6.84	16.4	2.9	12.0	5.2	236	0.9	2.7	2.6	85	0.79	0.132
1369599	Soil	2.3	48.5	26.1	48	0.7	16.1	14.0	574	3.14	51.6	1.1	12.7	0.8	28	0.3	1.9	1.4	62	0.17	0.078
REP 1369599	QC	2.6	49.2	26.7	47	0.7	16.8	13.5	577	3.15	51.9	1.2	13.8	0.8	28	0.3	1.9	1.4	62	0.16	0.081
1369600	Soil	1.6	33.7	12.0	40	0.2	13.4	8.7	555	2.30	13.2	0.8	2.6	0.6	25	0.4	0.4	0.3	50	0.21	0.068
REP 1369600	QC	1.5	33.8	11.7	41	0.2	14.6	9.2	569	2.32	12.5	0.8	2.0	0.6	25	0.3	0.5	0.3	51	0.20	0.068
Reference Materials																					
STD DS9	Standard	13.4	110.4	125.3	318	1.9	40.8	7.8	584	2.38	24.7	2.6	119.6	6.4	65	2.4	5.4	5.4	43	0.70	0.081
STD DS9	Standard	13.2	105.8	123.1	305	2.0	37.4	7.2	582	2.29	26.6	2.9	116.6	6.8	71	2.4	6.6	6.9	39	0.66	0.080
STD DS9	Standard	12.6	105.0	127.4	305	1.8	36.8	7.0	588	2.29	25.7	2.8	119.6	6.4	66	2.4	6.5	7.1	40	0.68	0.083
STD DS9	Standard	11.7	107.3	128.7	312	1.9	40.7	7.4	545	2.31	24.6	2.5	109.4	5.7	70	2.3	5.9	6.5	41	0.67	0.083
STD DS9	Standard	13.7	106.9	127.1	313	1.8	40.2	7.6	595	2.36	26.1	2.8	127.1	6.9	71	2.2	5.5	5.2	42	0.72	0.081
STD DS9 Expected		12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	0.1	<2	<0.01	<0.001



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Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
1278389	Soil	11	30	0.67	258	0.065	<1	1.77	0.010	0.08	0.2	0.06	4.1	0.2	<0.05	6	<0.5	<0.2
REP 1278389	QC	11	30	0.64	258	0.059	3	1.80	0.011	0.07	0.2	0.05	4.2	0.2	<0.05	6	<0.5	<0.2
1278394	Soil	11	27	0.61	161	0.057	<1	1.60	0.011	0.09	0.7	0.02	4.3	0.2	<0.05	6	<0.5	<0.2
REP 1278394	QC	11	27	0.64	163	0.055	1	1.62	0.012	0.09	0.6	0.03	4.4	0.2	<0.05	6	0.6	<0.2
1395300	Soil	10	39	0.68	182	0.090	2	1.70	0.007	0.11	0.2	0.02	4.7	0.1	0.06	8	<0.5	<0.2
REP 1395300	QC	10	38	0.65	178	0.090	1	1.59	0.006	0.11	0.2	0.03	4.2	0.2	0.05	7	0.5	<0.2
1395353	Soil	14	40	1.06	344	0.058	<1	2.22	0.009	0.15	0.2	0.04	7.6	0.3	<0.05	7	1.0	<0.2
REP 1395353	QC	14	42	1.07	338	0.061	<1	2.18	0.009	0.15	0.1	0.04	7.8	0.2	<0.05	7	1.3	<0.2
1278114	Soil	12	32	0.73	211	0.070	2	1.61	0.008	0.13	0.2	0.05	3.5	0.2	0.06	5	0.7	<0.2
REP 1278114	QC	13	35	0.75	218	0.073	2	1.70	0.008	0.14	0.2	0.04	3.6	0.2	0.08	6	0.8	<0.2
1278112	Soil	12	35	0.71	506	0.053	1	1.67	0.015	0.16	0.2	0.02	4.7	0.2	0.20	6	0.9	0.3
REP 1278112	QC	13	36	0.72	502	0.056	1	1.72	0.016	0.17	0.2	0.05	4.4	0.2	0.19	6	1.1	<0.2
1278360	Soil	10	24	0.45	222	0.047	2	1.16	0.009	0.06	0.3	0.07	2.6	0.1	<0.05	4	0.5	<0.2
REP 1278360	QC	10	25	0.47	226	0.046	2	1.21	0.010	0.06	0.3	0.09	2.6	0.1	<0.05	4	<0.5	<0.2
1369582	Soil	13	46	0.63	564	0.009	4	1.90	0.025	0.20	0.1	0.08	10.7	0.3	0.51	6	1.6	0.5
REP 1369582	QC	13	42	0.64	537	0.008	2	1.99	0.025	0.21	0.1	0.08	10.5	0.2	0.50	6	2.0	0.3
1369599	Soil	11	34	0.52	369	0.019	<1	1.36	0.014	0.09	0.3	0.05	2.5	0.1	0.13	6	<0.5	0.6
REP 1369599	QC	11	35	0.52	377	0.019	<1	1.39	0.014	0.09	0.3	0.07	2.6	0.1	0.13	6	1.7	0.6
1369600	Soil	8	22	0.46	343	0.029	<1	1.25	0.011	0.07	0.2	0.04	1.8	0.1	0.09	5	0.7	<0.2
REP 1369600	QC	8	23	0.46	357	0.030	<1	1.21	0.010	0.07	0.2	0.06	2.0	0.1	0.10	4	1.1	<0.2
Reference Materials																		
STD DS9	Standard	12	126	0.63	311	0.111	3	0.94	0.086	0.41	3.2	0.20	3.0	5.4	0.19	5	5.1	4.9
STD DS9	Standard	13	109	0.63	294	0.109	2	0.92	0.079	0.37	3.1	0.22	2.7	5.4	0.12	5	4.8	5.0
STD DS9	Standard	13	112	0.62	319	0.110	2	0.90	0.081	0.39	3.3	0.23	2.5	5.5	0.13	5	6.0	6.0
STD DS9	Standard	11	120	0.64	281	0.096	<1	0.89	0.072	0.39	3.0	0.20	3.1	5.8	0.17	4	6.6	4.9
STD DS9	Standard	13	123	0.65	322	0.116	3	0.99	0.097	0.42	3.1	0.22	3.1	5.7	0.19	5	5.3	5.2
STD DS9 Expected		13.3	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	<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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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	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	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

Appendix E – Sample Data

2012 Chant Rock Sample Locations

SAMPLE ID	SAMPLE TYPE	Samp_Date	PROSPECT	PROJECTCODE	Elevation (m)	Easting	Northing	Rock Type
15352	rock	20-Jan-24	Ent	5M	1175.8	532781.4233	7083669.45	QuartzFeldsparVein
15403	rock	20-Jan-23	Nchant	5M	1150.5	519440.6469	7089962.435	Schist
41362	rock	20-Jan-24	Ent	5M	1183.3	533444.1147	7083429.056	Gneiss
42701	rock	16-Jul-12	Chant	5M	1055.3	519948.2735	7083218.855	Schist
42702	rock	17-Jul-12	Chant	5M	1151.4	519569.4456	7090289.741	Schist
42703	rock	17-Jul-12	Chant	5M	1156.1	519442.2191	7089961.888	Schist
42878	rock	13-Jul-12	Chant	5M	1101.8	-137.528807	64.016988	Mudstone
42901	rock	16-Jul-12	Chant	5M	1346	522476.2414	7084947.259	Sandstone
42902	rock	16-Jul-12	Chant	5M	1028.2	522860.4833	7082468.391	
42903	rock	16-Jul-12	Chant	5M	1002.2	524299.8228	7081576.369	Amphibolite
42905	rock	16-Jul-12	Chant	5M	938.2	524980.1848	7080894.493	Amphibolite
42906	rock	17-Jul-12	Nchant	5M	1171	523012.562	7088918.798	QuartzFeldspar
42907	rock	18-Jul-12	Ent	5M	1044.5	533145.4235	7091017.34	Gneiss
42908	rock	18-Jul-12	Ent	5M	1028.2	533564.5478	7090938.01	QuartzFeldspar
42909	rock	19-Jul-12	Nchant	5M	1233.9	520516.3129	7088249.092	Sandstone
42910	rock	19-Jul-12	Nchant	5M	1247.8	520769.6159	7087317.945	
42911	rock	19-Jul-12	Nchant	5M	1185.8	521955.1099	7088361.043	Diorite
42912	rock	19-Jul-12	Nchant	5M	1176.8	521888.2075	7088437.798	Siltstone

2012 Chant Soil Sample Locations

Sample ID	Project ID	UTM Zone	Easting	Northing	Sample Date	Site Slope	Site Vegetation	Site Cover	Remarks
1260390	CHA	07V	529145	7085954	21/08/2012	Subtle Slope	Alders	Grass Cover	DAW12000268
1260391	CHA	07V	529197	7085951	21/08/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000268
1260392	CHA	07V	529246	7085956	21/08/2012	Subtle Slope	Dwarf Birch	Bare Soil	DAW12000268
1260393	CHA	07V	529299	7085951	21/08/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000268
1260394	CHA	07V	529347	7085953	21/08/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000268
1260395	CHA	07V	529397	7085954	21/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000268
1260396	CHA	07V	529448	7085956	21/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000268
1260397	CHA	07V	529499	7085951	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1260398	CHA	07V	529547	7085953	21/08/2012	Subtle Slope	Black Spruce	Grass Cover	DAW12000268
1260399	CHA	07V	529598	7085952	21/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1260400	CHA	07V	529648	7085952	21/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1262717	CHA	07V	528249	7084756	20/08/2012	Subtle Slope	No Tree Cover	Rock Cover	DAW12000260
1262718	CHA	07V	528300	7084753	20/08/2012	Subtle Slope	No Tree Cover	Rock Cover	DAW12000260
1262719	CHA	07V	528348	7084756	20/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1262720	CHA	07V	528398	7084754	20/08/2012	Subtle Slope	No Tree Cover	Grass Cover	DAW12000260
1262721	CHA	07V	528448	7084756	20/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1262722	CHA	07V	528499	7084757	20/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1262723	CHA	07V	528549	7084754	20/08/2012	Flat	No Tree Cover	Sphagnum Moss < 30cm	DAW12000260
1262724	CHA	07V	528600	7084754	20/08/2012	Flat	No Tree Cover	Sphagnum Moss < 30cm	DAW12000260
1262725	CHA	07V	528600	7084754	20/08/2012	Flat	No Tree Cover	Sphagnum Moss < 30cm	DAW12000260
1262726	CHA	07V	528650	7084755	20/08/2012	Flat	No Tree Cover	Sphagnum Moss < 30cm	DAW12000260
1262727	CHA	07V	528698	7084756	20/08/2012	Flat	No Tree Cover	Grass Cover	DAW12000260
1262728	CHA	07V	528748	7084755	20/08/2012	Subtle Slope	No Tree Cover	Grass Cover	DAW12000260
1262729	CHA	07V	528800	7084756	20/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1262730	CHA	07V	528850	7084756	20/08/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000260
1262732	CHA	07V	528897	7084756	20/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1262733	CHA	07V	528947	7084756	20/08/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000260
1262734	CHA	07V	528999	7084756	20/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000260
1262735	CHA	07V	529047	7084754	20/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000260
1262736	CHA	07V	529097	7084755	20/08/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000260
1262737	CHA	07V	529146	7084755	20/08/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000260
1262738	CHA	07V	529198	7084756	20/08/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000260
1262739	CHA	07V	529248	7084755	20/08/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000260
1262740	CHA	07V	529298	7084757	20/08/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000260
1262741	CHA	07V	529349	7084754	20/08/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000260
1262742	CHA	07V	529398	7084757	20/08/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000260
1262743	CHA	07V	529448	7084756	20/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000260
1262744	CHA	07V	529498	7084754	20/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000260
1262745	CHA	07V	529549	7084755	20/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000260
1262746	CHA	07V	529598	7084755	20/08/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000260
1262747	CHA	07V	529649	7084754	20/08/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000260
1262748	CHA	07V	529698	7084757	20/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000260
1262749	CHA	07V	529752	7084754	20/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000260
1262750	CHA	07V	528247	7085753	21/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000268
1262936	CHA	07V	528243	7084638	20/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000260
1262937	CHA	07V	528297	7084657	20/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000260
1262938	CHA	07V	528347	7084656	20/08/2012	Pronounced Slope	Willows	Grass Cover	DAW12000260
1262939	CHA	07V	528397	7084657	20/08/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000260
1262940	CHA	07V	528447	7084657	20/08/2012	Pronounced Slope	Subalpine Fir	Rock Cover	DAW12000260
1262941	CHA	07V	528498	7084656	20/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1262942	CHA	07V	528548	7084656	20/08/2012	Subtle Slope	Subalpine Fir	Grass Cover	DAW12000260
1262943	CHA	07V	528597	7084656	20/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1262944	CHA	07V	528648	7084657	20/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000260
1262945	CHA	07V	528698	7084656	20/08/2012	Pronounced Slope	Subalpine Fir	Grass Cover	DAW12000260
1262946	CHA	07V	528749	7084656	20/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000260
1262947	CHA	07V	528798	7084656	20/08/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000260
1262948	CHA	07V	528848	7084657	20/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000260
1262949	CHA	07V	528898	7084656	20/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000260
1262950	CHA	07V	528949	7084656	20/08/2012	Subtle Slope	Subalpine Fir	Thin Moss Cover	DAW12000260
1262952	CHA	07V	528999	7084657	20/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000260
1262953	CHA	07V	529049	7084657	20/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000260
1262954	CHA	07V	529099	7084656	20/08/2012	Flat	Dwarf Birch	Thin Moss Cover	DAW12000260
1262955	CHA	07V	529149	7084656	20/08/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000260
1262956	CHA	07V	529199	7084655	20/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000260
1262957	CHA	07V	529246	7084656	20/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000260
1262958	CHA	07V	529297	7084656	20/08/2012	Subtle Slope	Subalpine Fir	Sphagnum Moss < 30cm	DAW12000260
1262959	CHA	07V	529348	7084656	20/08/2012	Subtle Slope	Subalpine Fir	Sphagnum Moss < 30cm	DAW12000260
1262960	CHA	07V	529398	7084657	20/08/2012	Subtle Slope	Subalpine Fir	Sphagnum Moss < 30cm	DAW12000260
1262961	CHA	07V	529449	7084656	20/08/2012	Subtle Slope	Subalpine Fir	Sphagnum Moss < 30cm	DAW12000260
1262962	CHA	07V	529499	7084656	20/08/2012	Subtle Slope	Subalpine Fir	Sphagnum Moss < 30cm	DAW12000260
1262963	CHA	07V	529548	7084657	20/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000260
1262964	CHA	07V	529599	7084657	20/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000260
1262965	CHA	07V	529648	7084657	20/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000260

Sample ID	Project ID	UTM Zone	Easting	Northing	Sample Date	Site Slope	Site Vegetation	Site Cover	Remarks
1262966	CHA	07V	529699	7084658	20/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000260
1262967	CHA	07V	529749	7084657	20/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000260
1262968	CHA	07V	528247	7085554	21/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000269
1262969	CHA	07V	528295	7085554	21/08/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000269
1262970	CHA	07V	528339	7085562	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000269
1262971	CHA	07V	528396	7085554	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000269
1262972	CHA	07V	528448	7085554	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000269
1262973	CHA	07V	528496	7085554	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000269
1262976	CHA	07V	528546	7085554	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000269
1262977	CHA	07V	528597	7085556	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000269
1262978	CHA	07V	528646	7085554	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000269
1262979	CHA	07V	528697	7085553	21/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000269
1262980	CHA	07V	528748	7085553	21/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000269
1262981	CHA	07V	528797	7085554	21/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000269
1262982	CHA	07V	528847	7085554	21/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000268
1262983	CHA	07V	528897	7085554	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000269
1262984	CHA	07V	528948	7085556	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1262985	CHA	07V	528997	7085555	21/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000269
1262986	CHA	07V	529048	7085555	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000269
1262987	CHA	07V	529098	7085555	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000269
1262988	CHA	07V	529148	7085555	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000268
1262989	CHA	07V	529198	7085556	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1262990	CHA	07V	529246	7085555	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1262991	CHA	07V	529297	7085554	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1262992	CHA	07V	529346	7085555	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000268
1262993	CHA	07V	529396	7085555	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1262994	CHA	07V	529447	7085555	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1262995	CHA	07V	529496	7085555	21/08/2012	Pronounced Slope	Subalpine Fir	Sphagnum Moss < 30cm	DAW12000269
1262996	CHA	07V	529546	7085556	21/08/2012	Pronounced Slope	Subalpine Fir	Sphagnum Moss < 30cm	DAW12000269
1262997	CHA	07V	529597	7085555	21/08/2012	Pronounced Slope	Subalpine Fir	Sphagnum Moss < 30cm	DAW12000269
1262998	CHA	07V	529647	7085555	21/08/2012	Pronounced Slope	Subalpine Fir	Sphagnum Moss < 30cm	DAW12000269
1262999	CHA	07V	529697	7085554	21/08/2012	Pronounced Slope	Subalpine Fir	Sphagnum Moss < 30cm	DAW12000269
1263000	CHA	07V	529748	7085555	21/08/2012	Pronounced Slope	Subalpine Fir	Sphagnum Moss < 30cm	DAW12000269
1263038	CHA	07V	528247	7084855	20/08/2012	Subtle Slope	Willows	Thin Moss Cover	DAW12000260
1263039	CHA	07V	528297	7084856	20/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1263040	CHA	07V	528346	7084856	20/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1263041	CHA	07V	528397	7084857	20/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1263042	CHA	07V	528448	7084857	20/08/2012	Subtle Slope	Willows	Thin Moss Cover	DAW12000260
1263043	CHA	07V	528497	7084856	20/08/2012	Subtle Slope	Willows	Thin Moss Cover	DAW12000260
1263044	CHA	07V	528547	7084857	20/08/2012	Pronounced Slope	Willows	Thin Moss Cover	DAW12000260
1263052	CHA	07V	528598	7084858	20/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000260
1263053	CHA	07V	528648	7084859	20/08/2012	Pronounced Slope	Willows	Thin Moss Cover	DAW12000260
1263054	CHA	07V	528699	7084858	20/08/2012	Pronounced Slope	Willows	Thin Moss Cover	DAW12000260
1263055	CHA	07V	528748	7084859	20/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1263056	CHA	07V	528796	7084860	20/08/2012	Flat	Dwarf Birch	Thin Moss Cover	DAW12000260
1263057	CHA	07V	528848	7084862	20/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000260
1263058	CHA	07V	528900	7084859	20/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1263059	CHA	07V	528949	7084860	20/08/2012	Subtle Slope	White Spruce	Thin Moss Cover	DAW12000260
1263060	CHA	07V	528998	7084861	20/08/2012	Subtle Slope	White Spruce	Thin Moss Cover	DAW12000260
1263061	CHA	07V	529050	7084862	20/08/2012	Subtle Slope	White Spruce	Bare Soil	DAW12000260
1263062	CHA	07V	529098	7084863	20/08/2012	Subtle Slope	White Spruce	Thin Moss Cover	DAW12000260
1263064	CHA	07V	529197	7084862	20/08/2012	Subtle Slope	White Spruce	Thin Moss Cover	DAW12000260
1263065	CHA	07V	529248	7084860	20/08/2012	Subtle Slope	White Spruce	Thin Moss Cover	DAW12000260
1263066	CHA	07V	529298	7084862	20/08/2012	Subtle Slope	White Spruce	Thin Moss Cover	DAW12000260
1263067	CHA	07V	529348	7084861	20/08/2012	Subtle Slope	White Spruce	Sphagnum Moss < 30cm	DAW12000260
1263068	CHA	07V	529399	7084859	20/08/2012	Subtle Slope	White Spruce	Sphagnum Moss < 30cm	DAW12000260
1263069	CHA	07V	529448	7084861	20/08/2012	Subtle Slope	White Spruce	Sphagnum Moss < 30cm	DAW12000260
1263070	CHA	07V	529499	7084859	20/08/2012	Subtle Slope	White Spruce	Sphagnum Moss < 30cm	DAW12000260
1263071	CHA	07V	529548	7084857	20/08/2012	Subtle Slope	White Spruce	Sphagnum Moss < 30cm	DAW12000260
1263073	CHA	07V	529598	7084857	20/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000260
1263074	CHA	07V	529649	7084857	20/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000260
1263075	CHA	07V	529649	7084857	20/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000260
1263076	CHA	07V	529699	7084856	20/08/2012	Subtle Slope	White Spruce	Thin Moss Cover	DAW12000260
1263077	CHA	07V	529750	7084856	20/08/2012	Subtle Slope	Black Spruce	Thin Moss Cover	DAW12000260
1263078	CHA	07V	528247	7085654	21/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1263079	CHA	07V	528297	7085654	21/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1263080	CHA	07V	528347	7085652	21/08/2012	Subtle Slope	White Spruce	Sphagnum Moss < 30cm	DAW12000268
1263081	CHA	07V	528397	7085653	21/08/2012	Subtle Slope	White Spruce	Sphagnum Moss < 30cm	DAW12000268
1263082	CHA	07V	528499	7085654	21/08/2012	Subtle Slope	White Spruce	Sphagnum Moss > 30cm	DAW12000268
1263083	CHA	07V	528548	7085652	21/08/2012	Subtle Slope	White Spruce	Sphagnum Moss < 30cm	DAW12000268
1263084	CHA	07V	528599	7085652	21/08/2012	Subtle Slope	White Spruce	Sphagnum Moss < 30cm	DAW12000268
1263085	CHA	07V	528648	7085650	21/08/2012	Subtle Slope	White Spruce	Sphagnum Moss > 30cm	DAW12000268
1263086	CHA	07V	528698	7085651	21/08/2012	Subtle Slope	White Spruce	Sphagnum Moss > 30cm	DAW12000268
1263087	CHA	07V	528750	7085651	21/08/2012	Subtle Slope	White Spruce	Sphagnum Moss > 30cm	DAW12000268
1263088	CHA	07V	528800	7085649	21/08/2012	Subtle Slope	Subalpine Fir	Sphagnum Moss < 30cm	DAW12000268

Sample ID	Project ID	UTM Zone	Easting	Northing	Sample Date	Site Slope	Site Vegetation	Site Cover	Remarks
1263089	CHA	07V	528848	7085649	21/08/2012	Subtle Slope	Subalpine Fir	Sphagnum Moss > 30cm	DAW12000268
1263090	CHA	07V	528898	7085649	21/08/2012	Subtle Slope	Subalpine Fir	Sphagnum Moss < 30cm	DAW12000268
1263091	CHA	07V	528949	7085648	21/08/2012	Subtle Slope	Black Spruce	Reindeer Moss	DAW12000268
1263092	CHA	07V	528999	7085648	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1263093	CHA	07V	529049	7085646	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1263094	CHA	07V	529099	7085647	21/08/2012	Subtle Slope	Black Spruce	Thin Moss Cover	DAW12000268
1263095	CHA	07V	529147	7085648	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1263096	CHA	07V	529197	7085647	21/08/2012	Subtle Slope	White Spruce	Rock Cover	DAW12000268
1263097	CHA	07V	529247	7085648	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss > 30cm	DAW12000268
1263098	CHA	07V	529297	7085649	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1263099	CHA	07V	529347	7085651	21/08/2012	Subtle Slope	Black Spruce	Rock Cover	DAW12000268
1263100	CHA	07V	529398	7085650	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss > 30cm	DAW12000268
1263102	CHA	07V	529448	7085650	21/08/2012	Subtle Slope	Black Spruce	Reindeer Moss	DAW12000268
1263103	CHA	07V	529498	7085651	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1263104	CHA	07V	529598	7085653	21/08/2012	Pronounced Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1263105	CHA	07V	529648	7085652	21/08/2012	Subtle Slope	Black Spruce	Rock Cover	DAW12000268
1263106	CHA	07V	529698	7085652	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1263107	CHA	07V	529747	7085656	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1263443	CHA	07V	528296	7085255	21/08/2012	Subtle Slope	No Tree Cover	Rock Cover	DAW12000268
1263444	CHA	07V	528347	7085255	21/08/2012	Subtle Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000268
1263445	CHA	07V	528397	7085254	21/08/2012	Subtle Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000268
1263446	CHA	07V	528447	7085254	21/08/2012	Subtle Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000268
1263447	CHA	07V	528497	7085254	21/08/2012	Subtle Slope	No Tree Cover	Grass Cover	DAW12000268
1263448	CHA	07V	528547	7085254	21/08/2012	Subtle Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000268
1263449	CHA	07V	528598	7085254	21/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1263450	CHA	07V	528648	7085254	21/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1266452	CHA	07V	528296	7085055	20/08/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000260
1266453	CHA	07V	528247	7085055	20/08/2012	Pronounced Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000260
1266454	CHA	07V	528348	7085055	20/08/2012	Flat	No Tree Cover	Thin Moss Cover	DAW12000260
1266455	CHA	07V	528397	7085055	20/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1266456	CHA	07V	528447	7085055	20/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000260
1266457	CHA	07V	528498	7085056	20/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1266458	CHA	07V	528548	7085055	20/08/2012	Pronounced Slope	Willows	Rock Cover	DAW12000260
1266459	CHA	07V	528598	7085054	20/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1266460	CHA	07V	528648	7085041	20/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000260
1266461	CHA	07V	528699	7085056	20/08/2012	Pronounced Slope	Dwarf Birch	Rock Cover	DAW12000260
1266462	CHA	07V	528748	7085056	20/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1266463	CHA	07V	528798	7085055	20/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000260
1266464	CHA	07V	528848	7085055	20/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1266465	CHA	07V	528898	7085055	20/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1266466	CHA	07V	528950	7085056	20/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1266467	CHA	07V	528999	7085056	20/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1266468	CHA	07V	529047	7085055	20/08/2012	Subtle Slope	No Tree Cover	Rock Cover	DAW12000260
1266469	CHA	07V	529094	7085055	20/08/2012	Subtle Slope	No Tree Cover	Rock Cover	DAW12000260
1266470	CHA	07V	529147	7085055	20/08/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000260
1266471	CHA	07V	529197	7085056	20/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1266472	CHA	07V	529247	7085055	20/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1266473	CHA	07V	529298	7085056	20/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000260
1266474	CHA	07V	527347	7085154	21/08/2012	Pronounced Slope	Black Spruce	Reindeer Moss	DAW12000269
1266475	CHA	07V	527347	7085154	21/08/2012	Pronounced Slope	Black Spruce	Reindeer Moss	DAW12000269
1266476	CHA	07V	529348	7085056	20/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000260
1266477	CHA	07V	529398	7085055	20/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000260
1266478	CHA	07V	529448	7085055	20/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000260
1266479	CHA	07V	529498	7085054	20/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000260
1266480	CHA	07V	529549	7085056	20/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000260
1266481	CHA	07V	529598	7085055	20/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000260
1266482	CHA	07V	529648	7085055	20/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000260
1266483	CHA	07V	529698	7085055	20/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000260
1266484	CHA	07V	529748	7085056	20/08/2012	Pronounced Slope	Dwarf Birch	Reindeer Moss	DAW12000260
1266485	CHA	07V	528046	7085155	21/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000269
1266486	CHA	07V	527995	7085155	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000269
1266487	CHA	07V	527947	7085155	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000269
1266488	CHA	07V	527896	7085154	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000269
1266489	CHA	07V	527846	7085154	21/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000269
1266490	CHA	07V	527797	7085154	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000269
1266491	CHA	07V	527746	7085154	21/08/2012	Pronounced Slope	Dwarf Birch	Reindeer Moss	DAW12000269
1266492	CHA	07V	527696	7085155	21/08/2012	Pronounced Slope	Alders	Thin Moss Cover	DAW12000269
1266493	CHA	07V	527645	7085155	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000269
1266494	CHA	07V	528248	7085155	21/08/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000269
1266495	CHA	07V	528196	7085155	21/08/2012	Pronounced Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000269
1266496	CHA	07V	528146	7085155	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1266497	CHA	07V	528096	7085154	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000269
1266498	CHA	07V	527596	7085154	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000269
1266499	CHA	07V	527545	7085154	21/08/2012	Pronounced Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000269
1266500	CHA	07V	527494	7085155	21/08/2012	Pronounced Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000269

Sample ID	Project ID	UTM Zone	Easting	Northing	Sample Date	Site Slope	Site Vegetation	Site Cover	Remarks
1277835	CHA	07V	528246	7085454	21/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000268
1277836	CHA	07V	528294	7085454	21/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000268
1277837	CHA	07V	528344	7085454	21/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000268
1277838	CHA	07V	528394	7085453	21/08/2012	Subtle Slope	Alders	Thin Moss Cover	DAW12000268
1277839	CHA	07V	528444	7085454	21/08/2012	Pronounced Slope	Alders	Sphagnum Moss < 30cm	DAW12000268
1277840	CHA	07V	528494	7085453	21/08/2012	Subtle Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000268
1277841	CHA	07V	528545	7085454	21/08/2012	Subtle Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000268
1277842	CHA	07V	528594	7085454	21/08/2012	Subtle Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000268
1277843	CHA	07V	528643	7085454	21/08/2012	Pronounced Slope	Alders	Sphagnum Moss < 30cm	DAW12000268
1277844	CHA	07V	528694	7085454	21/08/2012	Subtle Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000268
1277845	CHA	07V	528745	7085455	21/08/2012	Subtle Slope	Alders	Sphagnum Moss < 30cm	DAW12000268
1277846	CHA	07V	528795	7085454	21/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1277847	CHA	07V	528845	7085454	21/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1277848	CHA	07V	528895	7085454	21/08/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000268
1277849	CHA	07V	528945	7085455	21/08/2012	Pronounced Slope	Subalpine Fir	Sphagnum Moss < 30cm	DAW12000268
1277850	CHA	07V	528995	7085456	21/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1277852	CHA	07V	529045	7085455	21/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1277853	CHA	07V	529097	7085455	21/08/2012	Subtle Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000268
1277854	CHA	07V	529146	7085455	21/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000268
1277855	CHA	07V	529197	7085455	21/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000268
1277856	CHA	07V	529246	7085455	21/08/2012	Pronounced Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000268
1277857	CHA	07V	529297	7085455	21/08/2012	Pronounced Slope	Subalpine Fir	Thin Moss Cover	DAW12000268
1277858	CHA	07V	529347	7085456	21/08/2012	Pronounced Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000268
1277859	CHA	07V	529398	7085455	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1277860	CHA	07V	529448	7085456	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1277861	CHA	07V	529497	7085455	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1277862	CHA	07V	529547	7085455	21/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000268
1277863	CHA	07V	529597	7085456	21/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000268
1277864	CHA	07V	529647	7085455	21/08/2012	Pronounced Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000268
1277865	CHA	07V	529698	7085455	21/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000268
1277866	CHA	07V	529748	7085454	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1277902	CHA	07V	527445	7085154	21/08/2012	Pronounced Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000269
1277903	CHA	07V	527397	7085153	21/08/2012	Pronounced Slope	Dwarf Birch	Reindeer Moss	DAW12000269
1277904	CHA	07V	527297	7085153	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000269
1277905	CHA	07V	527247	7085153	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000269
1277906	CHA	07V	527197	7085151	21/08/2012	Pronounced Slope	Black Spruce	Reindeer Moss	DAW12000269
1277907	CHA	07V	527097	7085153	21/08/2012	Pronounced Slope	Willows	Thin Moss Cover	DAW12000269
1277908	CHA	07V	527046	7085153	21/08/2012	Pronounced Slope	Willows	Reindeer Moss	DAW12000269
1277909	CHA	07V	526997	7085154	21/08/2012	Pronounced Slope	Alders	Thin Moss Cover	DAW12000269
1277910	CHA	07V	526946	7085154	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000269
1277911	CHA	07V	526896	7085153	21/08/2012	Pronounced Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000269
1277912	CHA	07V	526846	7085153	21/08/2012	Pronounced Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000269
1277913	CHA	07V	526796	7085153	21/08/2012	Subtle Slope	Black Spruce	Thin Moss Cover	DAW12000269
1277914	CHA	07V	526747	7085153	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000269
1277952	CHA	07V	528247	7084955	20/08/2012	Subtle Slope	No Tree Cover	Rock Cover	DAW12000259
1277953	CHA	07V	528298	7084955	20/08/2012	Flat	No Tree Cover	Thin Moss Cover	DAW12000259
1277954	CHA	07V	528347	7084955	20/08/2012	Flat	No Tree Cover	Thin Moss Cover	DAW12000259
1277955	CHA	07V	528398	7084955	20/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000259
1277956	CHA	07V	528448	7084955	20/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000259
1277957	CHA	07V	528497	7084956	20/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000259
1277958	CHA	07V	528548	7084955	20/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss > 30cm	DAW12000259
1277959	CHA	07V	528598	7084955	20/08/2012	Subtle Slope	Dwarf Birch	Reindeer Moss	DAW12000259
1277960	CHA	07V	528698	7084955	20/08/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000259
1277961	CHA	07V	528749	7084956	20/08/2012	Subtle Slope	No Tree Cover	Reindeer Moss	DAW12000259
1277962	CHA	07V	528800	7084954	20/08/2012	Subtle Slope	No Tree Cover	Reindeer Moss	DAW12000259
1277963	CHA	07V	528848	7084953	20/08/2012	Subtle Slope	No Tree Cover	Rock Cover	DAW12000259
1277964	CHA	07V	528899	7084956	20/08/2012	Subtle Slope	No Tree Cover	Rock Cover	DAW12000259
1277965	CHA	07V	528950	7084954	20/08/2012	Flat	No Tree Cover	Rock Cover	DAW12000259
1277966	CHA	07V	528999	7084955	20/08/2012	Subtle Slope	No Tree Cover	Rock Cover	DAW12000259
1277967	CHA	07V	529048	7084955	20/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000259
1277968	CHA	07V	529099	7084956	20/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000259
1277969	CHA	07V	529149	7084955	20/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000259
1277970	CHA	07V	529248	7084954	20/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000259
1277972	CHA	07V	529349	7084955	20/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000259
1277973	CHA	07V	529398	7084956	20/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000259
1277976	CHA	07V	529448	7084955	20/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000259
1277977	CHA	07V	529497	7084957	20/08/2012	Subtle Slope	Dwarf Birch	Reindeer Moss	DAW12000259
1277978	CHA	07V	529548	7084955	20/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss > 30cm	DAW12000259
1277979	CHA	07V	529598	7084954	20/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss > 30cm	DAW12000259
1277980	CHA	07V	529647	7084956	20/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss > 30cm	DAW12000259
1277981	CHA	07V	529700	7084956	20/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000259
1277982	CHA	07V	529748	7084956	20/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000259
1277983	CHA	07V	528247	7085254	21/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000275
1277984	CHA	07V	528196	7085255	21/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000275
1277985	CHA	07V	528146	7085254	21/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000275

Sample ID	Project ID	UTM Zone	Easting	Northing	Sample Date	Site Slope	Site Vegetation	Site Cover	Remarks
1277986	CHA	07V	528046	7085255	21/08/2012	Subtle Slope	Willows	Reindeer Moss	DAW12000275
1277987	CHA	07V	527997	7085254	21/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss > 30cm	DAW12000275
1277988	CHA	07V	527946	7085254	21/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000275
1277989	CHA	07V	527901	7085254	21/08/2012	Subtle Slope	Willows	Thin Moss Cover	DAW12000275
1277990	CHA	07V	527846	7085254	21/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000275
1277991	CHA	07V	527798	7085258	21/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000275
1277992	CHA	07V	527745	7085254	21/08/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000275
1277993	CHA	07V	527645	7085254	21/08/2012	Subtle Slope	Subalpine Fir	Sphagnum Moss < 30cm	DAW12000275
1277994	CHA	07V	527594	7085257	21/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss > 30cm	DAW12000275
1277995	CHA	07V	527542	7085253	21/08/2012	Subtle Slope	No Tree Cover	Sphagnum Moss > 30cm	DAW12000275
1277996	CHA	07V	527494	7085253	21/08/2012	Subtle Slope	Subalpine Fir	Sphagnum Moss < 30cm	DAW12000275
1277997	CHA	07V	527452	7085253	21/08/2012	Subtle Slope	Alders	Sphagnum Moss < 30cm	DAW12000275
1277998	CHA	07V	527350	7085255	21/08/2012	Subtle Slope	Subalpine Fir	Reindeer Moss	DAW12000275
1277999	CHA	07V	527298	7085255	21/08/2012	Subtle Slope	Poplar	Thin Moss Cover	DAW12000275
1278000	CHA	07V	527242	7085255	21/08/2012	Subtle Slope	Dwarf Birch	Reindeer Moss	DAW12000275
1278002	CHA	07V	528247	7085354	21/08/2012	Pronounced Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000268
1278003	CHA	07V	528197	7085355	21/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000268
1278004	CHA	07V	528146	7085354	21/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000268
1278005	CHA	07V	528096	7085354	21/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000268
1278006	CHA	07V	528047	7085355	21/08/2012	Pronounced Slope	No Tree Cover	Reindeer Moss	DAW12000268
1278007	CHA	07V	527996	7085353	21/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000268
1278008	CHA	07V	527947	7085331	21/08/2012	Pronounced Slope	Subalpine Fir	Sphagnum Moss < 30cm	DAW12000268
1278009	CHA	07V	527895	7085354	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1278010	CHA	07V	527844	7085341	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1278011	CHA	07V	527796	7085354	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1278012	CHA	07V	527745	7085355	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1278013	CHA	07V	527694	7085353	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1278014	CHA	07V	527646	7085353	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1278015	CHA	07V	527595	7085353	21/08/2012	Pronounced Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1278016	CHA	07V	527546	7085354	21/08/2012	Pronounced Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1278017	CHA	07V	527495	7085354	21/08/2012	Pronounced Slope	Alders	Leaf Cover	DAW12000268
1278018	CHA	07V	527450	7085344	21/08/2012	Pronounced Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1278019	CHA	07V	527394	7085354	21/08/2012	Pronounced Slope	Dwarf Birch	Reindeer Moss	DAW12000268
1278020	CHA	07V	527345	7085353	21/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000268
1278021	CHA	07V	527294	7085354	21/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000268
1278022	CHA	07V	527244	7085353	21/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000268
1278023	CHA	07V	527196	7085352	21/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000268
1278024	CHA	07V	527147	7085353	21/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000268
1278027	CHA	07V	527096	7085353	21/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000268
1278028	CHA	07V	527047	7085353	21/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000268
1278029	CHA	07V	526996	7085353	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1278030	CHA	07V	526946	7085352	21/08/2012	Subtle Slope	Black Spruce	Reindeer Moss	DAW12000268
1278031	CHA	07V	526896	7085354	21/08/2012	Pronounced Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1278032	CHA	07V	526846	7085352	21/08/2012	Pronounced Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1278033	CHA	07V	526796	7085352	21/08/2012	Pronounced Slope	Black Spruce	Reindeer Moss	DAW12000268
1278034	CHA	07V	526745	7085352	21/08/2012	Pronounced Slope	Black Spruce	Reindeer Moss	DAW12000268
1278035	CHA	07V	528243	7087559	22/08/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000278
1278036	CHA	07V	528294	7087551	22/08/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000278
1278037	CHA	07V	528845	7087551	22/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000278
1278038	CHA	07V	528345	7087551	22/08/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000278
1278039	CHA	07V	528445	7087551	22/08/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000278
1278040	CHA	07V	528484	7087560	22/08/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000278
1278041	CHA	07V	528595	7087551	22/08/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000278
1278042	CHA	07V	528643	7087563	22/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000278
1278043	CHA	07V	528694	7087563	22/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000278
1278046	CHA	07V	528745	7087551	22/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000278
1278047	CHA	07V	528792	7087561	22/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000278
1278048	CHA	07V	528896	7087552	22/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000278
1278049	CHA	07V	528947	7087551	22/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000278
1278050	CHA	07V	528997	7087552	22/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000278
1278052	CHA	07V	528447	7085154	21/08/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000268
1278053	CHA	07V	528496	7085155	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000268
1278054	CHA	07V	528547	7085154	21/08/2012	Pronounced Slope	No Tree Cover	Reindeer Moss	DAW12000268
1278055	CHA	07V	528597	7085154	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000268
1278056	CHA	07V	528696	7085155	21/08/2012	Pronounced Slope	Willows	Rock Cover	DAW12000268
1278057	CHA	07V	528747	7085155	21/08/2012	Subtle Slope	Birch Forest	Thin Moss Cover	DAW12000268
1278058	CHA	07V	528798	7085155	21/08/2012	Pronounced Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000268
1278059	CHA	07V	528848	7085154	21/08/2012	Pronounced Slope	No Tree Cover	Reindeer Moss	DAW12000268
1278060	CHA	07V	528898	7085155	21/08/2012	Pronounced Slope	No Tree Cover	Reindeer Moss	DAW12000268
1278061	CHA	07V	528948	7085155	21/08/2012	Pronounced Slope	No Tree Cover	Reindeer Moss	DAW12000268
1278062	CHA	07V	528998	7085155	21/08/2012	Pronounced Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000268
1278063	CHA	07V	529047	7085154	21/08/2012	Pronounced Slope	No Tree Cover	Reindeer Moss	DAW12000268
1278064	CHA	07V	529096	7085156	21/08/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000268
1278065	CHA	07V	529148	7085155	21/08/2012	Subtle Slope	No Tree Cover	Reindeer Moss	DAW12000268
1278066	CHA	07V	529198	7085157	21/08/2012	Flat	No Tree Cover	Grass Cover	DAW12000268

Sample ID	Project ID	UTM Zone	Easting	Northing	Sample Date	Site Slope	Site Vegetation	Site Cover	Remarks
1278067	CHA	07V	529247	7085155	21/08/2012	Subtle Slope	No Tree Cover	Grass Cover	DAW12000268
1278068	CHA	07V	529299	7085154	21/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000268
1278069	CHA	07V	529350	7085154	21/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000268
1278070	CHA	07V	529400	7085156	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1278071	CHA	07V	529448	7085156	21/08/2012	Pronounced Slope	Subalpine Fir	Sphagnum Moss < 30cm	DAW12000268
1278072	CHA	07V	529498	7085154	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1278073	CHA	07V	529548	7085156	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1278074	CHA	07V	529599	7085154	21/08/2012	Pronounced Slope	Black Spruce	Reindeer Moss	DAW12000268
1278075	CHA	07V	529650	7085155	21/08/2012	Pronounced Slope	Subalpine Fir	Sphagnum Moss < 30cm	DAW12000268
1278076	CHA	07V	529650	7085155	21/08/2012	Pronounced Slope	Subalpine Fir	Sphagnum Moss < 30cm	DAW12000268
1278077	CHA	07V	529698	7085157	21/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1278078	CHA	07V	529747	7085156	21/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1278102	CHA	07V	528595	7087750	22/08/2012	Steep	Willows	Sphagnum Moss < 30cm	DAW12000278
1278103	CHA	07V	528644	7087751	22/08/2012	Subtle Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000278
1278104	CHA	07V	528695	7087751	22/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000278
1278105	CHA	07V	529746	7087751	22/08/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000278
1278106	CHA	07V	528746	7087752	22/08/2012	Steep	Willows	Sphagnum Moss < 30cm	DAW12000278
1278107	CHA	07V	528795	7087750	22/08/2012	Pronounced Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000278
1278108	CHA	07V	528845	7087750	22/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000278
1278109	CHA	07V	528895	7087750	22/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000278
1278110	CHA	07V	528945	7087750	22/08/2012	Pronounced Slope	Willows	Grass Cover	DAW12000278
1278111	CHA	07V	528995	7087751	22/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000278
1278112	CHA	07V	529045	7087751	22/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000278
1278113	CHA	07V	529295	7087750	22/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000278
1278114	CHA	07V	529246	7087750	22/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000278
1278115	CHA	07V	529145	7087750	22/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000278
1278116	CHA	07V	529095	7087750	22/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000278
1278117	CHA	07V	529195	7087751	22/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000278
1278118	CHA	07V	529696	7087751	22/08/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000278
1278119	CHA	07V	529646	7087750	22/08/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000278
1278120	CHA	07V	529596	7087749	22/08/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000278
1278121	CHA	07V	529545	7087750	22/08/2012	Subtle Slope	White Spruce	Sphagnum Moss < 30cm	DAW12000278
1278122	CHA	07V	529496	7087753	22/08/2012	Subtle Slope	White Spruce	Sphagnum Moss < 30cm	DAW12000278
1278123	CHA	07V	529446	7087749	22/08/2012	Subtle Slope	White Spruce	Sphagnum Moss < 30cm	DAW12000278
1278124	CHA	07V	529394	7087751	22/08/2012	Subtle Slope	White Spruce	Sphagnum Moss < 30cm	DAW12000278
1278125	CHA	07V	529345	7087750	22/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000278
1278152	CHA	07V	528697	7085254	21/08/2012	Pronounced Slope	Alders	Grass Cover	DAW12000268
1278153	CHA	07V	528748	7085255	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1278154	CHA	07V	528795	7085254	21/08/2012	Subtle Slope	Willows	Grass Cover	DAW12000268
1278155	CHA	07V	528846	7085255	21/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000268
1278156	CHA	07V	528896	7085255	21/08/2012	Pronounced Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000268
1278157	CHA	07V	528946	7085254	21/08/2012	Pronounced Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000268
1278158	CHA	07V	528996	7085255	21/08/2012	Pronounced Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000268
1278159	CHA	07V	529046	7085256	21/08/2012	Subtle Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000268
1278160	CHA	07V	529097	7085255	21/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000268
1278161	CHA	07V	529147	7085255	21/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000268
1278162	CHA	07V	529197	7085256	21/08/2012	Subtle Slope	No Tree Cover	Rock Cover	DAW12000268
1278163	CHA	07V	529247	7085256	21/08/2012	Subtle Slope	No Tree Cover	Rock Cover	DAW12000268
1278164	CHA	07V	529296	7085256	21/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000268
1278165	CHA	07V	529347	7085256	21/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000268
1278166	CHA	07V	529397	7085255	21/08/2012	Subtle Slope	Subalpine Fir	Grass Cover	DAW12000268
1278167	CHA	07V	529447	7085256	21/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1278168	CHA	07V	529496	7085256	21/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000268
1278169	CHA	07V	529547	7085257	21/08/2012	Subtle Slope	Black Spruce	Thin Moss Cover	DAW12000268
1278170	CHA	07V	529598	7085257	21/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000268
1278171	CHA	07V	529648	7085256	21/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1278172	CHA	07V	529699	7085256	21/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1278173	CHA	07V	529749	7085256	21/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000268
1278252	CHA	07V	528647	7085855	21/08/2012	Subtle Slope	Willows	Grass Cover	DAW12000269
1278253	CHA	07V	528697	7085854	21/08/2012	Pronounced Slope	Willows	Reindeer Moss	DAW12000269
1278254	CHA	07V	528748	7085854	21/08/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1278255	CHA	07V	528795	7085854	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1278256	CHA	07V	528845	7085854	21/08/2012	Pronounced Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000269
1278257	CHA	07V	528895	7085854	21/08/2012	Subtle Slope	Black Spruce	Reindeer Moss	DAW12000269
1278258	CHA	07V	528946	7085853	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000269
1278259	CHA	07V	528994	7085854	21/08/2012	Subtle Slope	Black Spruce	Reindeer Moss	DAW12000269
1278260	CHA	07V	529047	7085854	21/08/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1278261	CHA	07V	529095	7085854	21/08/2012	Subtle Slope	Willows	Grass Cover	DAW12000269
1278262	CHA	07V	529145	7085855	21/08/2012	Subtle Slope	Alders	Leaf Cover	DAW12000269
1278263	CHA	07V	529195	7085854	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1278264	CHA	07V	529247	7085855	21/08/2012	Subtle Slope	Willows	Grass Cover	DAW12000269
1278265	CHA	07V	529296	7085855	21/08/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1278266	CHA	07V	529346	7085853	21/08/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1278267	CHA	07V	529397	7085855	21/08/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1278268	CHA	07V	529446	7085855	21/08/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000269

Sample ID	Project ID	UTM Zone	Easting	Northing	Sample Date	Site Slope	Site Vegetation	Site Cover	Remarks
1278269	CHA	07V	529497	7085855	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000269
1278270	CHA	07V	529546	7085854	21/08/2012	Subtle Slope	Black Spruce	Grass Cover	DAW12000269
1278271	CHA	07V	529596	7085854	21/08/2012	Subtle Slope	Willows	Reindeer Moss	DAW12000269
1278272	CHA	07V	529647	7085854	21/08/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1278273	CHA	07V	529748	7085855	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000269
1278274	CHA	07V	529697	7085854	21/08/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1278275	CHA	07V	529697	7085854	21/08/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1278276	CHA	07V	527197	7085255	21/08/2012	Subtle Slope	Poplar	Thin Moss Cover	DAW12000275
1278277	CHA	07V	527146	7085254	21/08/2012	Subtle Slope	Poplar	Reindeer Moss	DAW12000275
1278278	CHA	07V	527096	7085254	21/08/2012	Subtle Slope	Poplar	Reindeer Moss	DAW12000275
1278279	CHA	07V	527045	7085254	21/08/2012	Subtle Slope	Dwarf Birch	Reindeer Moss	DAW12000275
1278280	CHA	07V	526997	7085254	21/08/2012	Subtle Slope	Dwarf Birch	Reindeer Moss	DAW12000275
1278281	CHA	07V	526946	7085253	21/08/2012	Subtle Slope	Subalpine Fir	Reindeer Moss	DAW12000275
1278282	CHA	07V	526896	7085256	21/08/2012	Subtle Slope	Subalpine Fir	Reindeer Moss	DAW12000275
1278283	CHA	07V	526845	7085252	21/08/2012	Subtle Slope	Subalpine Fir	Sphagnum Moss < 30cm	DAW12000275
1278284	CHA	07V	526795	7085253	21/08/2012	Subtle Slope	Subalpine Fir	Reindeer Moss	DAW12000275
1278285	CHA	07V	526747	7085253	21/08/2012	Subtle Slope	Subalpine Fir	Reindeer Moss	DAW12000275
1278352	CHA	07V	529052	7087543	22/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000278
1278353	CHA	07V	529093	7087545	22/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000278
1278354	CHA	07V	529146	7087551	22/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000278
1278355	CHA	07V	529197	7087551	22/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000278
1278356	CHA	07V	529247	7087552	22/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000278
1278357	CHA	07V	529295	7087551	22/08/2012	Pronounced Slope	Willows	Thin Moss Cover	DAW12000278
1278358	CHA	07V	529345	7087551	22/08/2012	Pronounced Slope	Willows	Thin Moss Cover	DAW12000278
1278359	CHA	07V	529395	7087552	22/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000278
1278360	CHA	07V	529446	7087551	22/08/2012	Pronounced Slope	Alders	Sphagnum Moss < 30cm	DAW12000278
1278361	CHA	07V	529495	7087543	22/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000278
1278362	CHA	07V	529545	7087525	22/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000278
1278363	CHA	07V	529596	7087552	22/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000278
1278364	CHA	07V	529646	7087550	22/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000278
1278365	CHA	07V	529707	7087581	22/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000278
1278366	CHA	07V	529747	7087572	22/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000278
1278377	CHA	07V	528697	7086054	22/08/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000278
1278378	CHA	07V	528746	7086054	22/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000278
1278379	CHA	07V	528797	7086053	22/08/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000278
1278380	CHA	07V	528847	7086054	22/08/2012	Pronounced Slope	Dwarf Birch	Bare Soil	DAW12000278
1278381	CHA	07V	528897	7086055	22/08/2012	Pronounced Slope	Poplar	Leaf Cover	DAW12000278
1278382	CHA	07V	528948	7086055	22/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000278
1278383	CHA	07V	528997	7086054	22/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000278
1278384	CHA	07V	529046	7086053	22/08/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000278
1278385	CHA	07V	529096	7086054	22/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000278
1278386	CHA	07V	529147	7086054	22/08/2012	Pronounced Slope	Alders	Leaf Cover	DAW12000278
1278387	CHA	07V	529196	7086055	22/08/2012	Pronounced Slope	Alders	Thin Moss Cover	DAW12000278
1278388	CHA	07V	529245	7086054	22/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000278
1278389	CHA	07V	529296	7086054	22/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000278
1278390	CHA	07V	529348	7086055	22/08/2012	Pronounced Slope	Dwarf Birch	Bare Soil	DAW12000278
1278391	CHA	07V	529398	7086055	22/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000278
1278392	CHA	07V	529449	7086055	22/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000278
1278393	CHA	07V	529496	7086054	22/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000278
1278394	CHA	07V	529548	7086054	22/08/2012	Pronounced Slope	Dwarf Birch	Reindeer Moss	DAW12000278
1278395	CHA	07V	529598	7086055	22/08/2012	Subtle Slope	Alders	Thin Moss Cover	DAW12000278
1278396	CHA	07V	529646	7086055	22/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000278
1278397	CHA	07V	529699	7086055	22/08/2012	Subtle Slope	Dwarf Birch	Bare Soil	DAW12000278
1278398	CHA	07V	529747	7086055	22/08/2012	Pronounced Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000278
1287009	CHA	07V	528196	7085055	21/08/2012	Pronounced Slope	Willows	Thin Moss Cover	DAW12000268
1287010	CHA	07V	528154	7085047	21/08/2012	Pronounced Slope	Willows	Thin Moss Cover	DAW12000268
1287011	CHA	07V	528097	7085055	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000268
1287012	CHA	07V	528047	7085055	21/08/2012	Pronounced Slope	Willows	Thin Moss Cover	DAW12000268
1287013	CHA	07V	527996	7085054	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000268
1287014	CHA	07V	527947	7085054	21/08/2012	Pronounced Slope	Willows	Thin Moss Cover	DAW12000268
1287015	CHA	07V	527896	7085054	21/08/2012	Pronounced Slope	Willows	Thin Moss Cover	DAW12000268
1287016	CHA	07V	527848	7085055	21/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000268
1287017	CHA	07V	527798	7085055	21/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000268
1287018	CHA	07V	527747	7085055	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1287019	CHA	07V	527696	7085055	21/08/2012	Pronounced Slope	Alders	Reindeer Moss	DAW12000268
1287020	CHA	07V	527646	7085054	21/08/2012	Pronounced Slope	Alders	Grass Cover	DAW12000268
1287021	CHA	07V	527595	7085055	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000268
1287022	CHA	07V	527545	7085054	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1287023	CHA	07V	527496	7085054	21/08/2012	Pronounced Slope	Black Spruce	Reindeer Moss	DAW12000268
1287024	CHA	07V	527457	7085056	21/08/2012	Subtle Slope	Black Spruce	Reindeer Moss	DAW12000268
1287025	CHA	07V	527457	7085056	21/08/2012	Subtle Slope	Black Spruce	Reindeer Moss	DAW12000268
1288391	CHA	07V	528297	7085354	21/08/2012	Steep	Willows	Sphagnum Moss < 30cm	DAW12000269
1288392	CHA	07V	528346	7085354	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1288393	CHA	07V	528387	7085335	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1288394	CHA	07V	528447	7085355	21/08/2012	Pronounced Slope	Willows	Reindeer Moss	DAW12000269

Sample ID	Project ID	UTM Zone	Easting	Northing	Sample Date	Site Slope	Site Vegetation	Site Cover	Remarks
1288395	CHA	07V	528497	7085355	21/08/2012	Pronounced Slope	Subalpine Fir	Reindeer Moss	DAW12000269
1288396	CHA	07V	528547	7085355	21/08/2012	Pronounced Slope	Willows	Reindeer Moss	DAW12000269
1288397	CHA	07V	528598	7085355	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1288398	CHA	07V	528648	7085355	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1288399	CHA	07V	528697	7085354	21/08/2012	Pronounced Slope	Willows	Reindeer Moss	DAW12000269
1288400	CHA	07V	528748	7085355	21/08/2012	Pronounced Slope	Subalpine Fir	Sphagnum Moss < 30cm	DAW12000269
1288426	CHA	07V	528798	7085355	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1288427	CHA	07V	528858	7085335	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1288428	CHA	07V	528897	7085355	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1288429	CHA	07V	528949	7085356	21/08/2012	Pronounced Slope	Willows	Reindeer Moss	DAW12000269
1288430	CHA	07V	528998	7085355	21/08/2012	Pronounced Slope	Willows	Reindeer Moss	DAW12000269
1288431	CHA	07V	529047	7085355	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1288432	CHA	07V	529096	7085355	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1288433	CHA	07V	529147	7085355	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1288434	CHA	07V	529196	7085341	21/08/2012	Pronounced Slope	Willows	Reindeer Moss	DAW12000269
1288435	CHA	07V	529248	7085355	21/08/2012	Pronounced Slope	Subalpine Fir	Sphagnum Moss < 30cm	DAW12000269
1288436	CHA	07V	529297	7085354	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1288437	CHA	07V	529347	7085355	21/08/2012	Pronounced Slope	Subalpine Fir	Leaf Cover	DAW12000269
1288438	CHA	07V	529397	7085355	21/08/2012	Pronounced Slope	Subalpine Fir	Sphagnum Moss < 30cm	DAW12000269
1288439	CHA	07V	529447	7085355	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1288440	CHA	07V	529497	7085355	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1288441	CHA	07V	529549	7085355	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1288442	CHA	07V	529599	7085355	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1288443	CHA	07V	529648	7085355	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1288444	CHA	07V	529698	7085355	21/08/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1288445	CHA	07V	529748	7085355	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1288446	CHA	07V	528245	7087750	22/08/2012	Steep	Willows	Sphagnum Moss < 30cm	DAW12000278
1288447	CHA	07V	528394	7087750	22/08/2012	Steep	Willows	Sphagnum Moss < 30cm	DAW12000278
1288448	CHA	07V	528444	7087750	22/08/2012	Steep	Willows	Sphagnum Moss < 30cm	DAW12000278
1288449	CHA	07V	528496	7087751	22/08/2012	Steep	Subalpine Fir	Sphagnum Moss < 30cm	DAW12000278
1288450	CHA	07V	528546	7087750	22/08/2012	Steep	Willows	Sphagnum Moss < 30cm	DAW12000278
1294698	CHA	07V	528312	7085157	21/08/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000268
1294699	CHA	07V	528346	7085156	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000268
1294700	CHA	07V	528396	7085155	21/08/2012	Pronounced Slope	No Tree Cover	Reindeer Moss	DAW12000268
1298652	CHA	07V	528298	7085755	21/08/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000268
1298653	CHA	07V	528347	7085753	21/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000268
1298654	CHA	07V	528399	7085754	21/08/2012	Subtle Slope	Black Spruce	Thin Moss Cover	DAW12000268
1298655	CHA	07V	528447	7085756	21/08/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000268
1298656	CHA	07V	528497	7085756	21/08/2012	Subtle Slope	Willows	Grass Cover	DAW12000268
1298657	CHA	07V	528547	7085756	21/08/2012	Subtle Slope	Alders	Sphagnum Moss < 30cm	DAW12000268
1298658	CHA	07V	528598	7085755	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1298659	CHA	07V	528647	7085753	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1298660	CHA	07V	528696	7085753	21/08/2012	Subtle Slope	Alders	Grass Cover	DAW12000268
1298661	CHA	07V	528796	7085752	21/08/2012	Flat	Alders	Grass Cover	DAW12000268
1298662	CHA	07V	528847	7085757	21/08/2012	Flat	Willows	Grass Cover	DAW12000268
1298663	CHA	07V	528895	7085755	21/08/2012	Flat	Willows	Grass Cover	DAW12000268
1298664	CHA	07V	528948	7085756	21/08/2012	Flat	Willows	Grass Cover	DAW12000268
1298665	CHA	07V	528994	7085754	21/08/2012	Flat	Willows	Grass Cover	DAW12000268
1298666	CHA	07V	529048	7085756	21/08/2012	Flat	Willows	Grass Cover	DAW12000268
1298667	CHA	07V	529099	7085752	21/08/2012	Flat	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1298668	CHA	07V	529149	7085753	21/08/2012	Flat	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1298669	CHA	07V	529197	7085755	21/08/2012	Flat	Willows	Grass Cover	DAW12000268
1298670	CHA	07V	529246	7085753	21/08/2012	Flat	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1298671	CHA	07V	529299	7085753	21/08/2012	Flat	Willows	Sphagnum Moss < 30cm	DAW12000268
1298672	CHA	07V	529347	7085755	21/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1298673	CHA	07V	529398	7085755	21/08/2012	Flat	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1298675	CHA	07V	529448	7085754	21/08/2012	Flat	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1298676	CHA	07V	529448	7085754	21/08/2012	Flat	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1298677	CHA	07V	529499	7085754	21/08/2012	Flat	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1298678	CHA	07V	529547	7085751	21/08/2012	Flat	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1298679	CHA	07V	529598	7085752	21/08/2012	Flat	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1298680	CHA	07V	529649	7085755	21/08/2012	Flat	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1298681	CHA	07V	529698	7085752	21/08/2012	Flat	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1298682	CHA	07V	529751	7085754	21/08/2012	Flat	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1298899	CHA	07V	528248	7084356	21/06/2012	Pronounced Slope	White Spruce	Thin Moss Cover	DAW12000054
1299900	CHA	07V	528296	7084357	21/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000054
1320102	CHA	07V	528248	7084456	21/06/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000054
1320103	CHA	07V	528297	7084457	21/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054
1320104	CHA	07V	528347	7084450	21/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054
1320105	CHA	07V	528398	7084455	21/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054
1320106	CHA	07V	528448	7084456	21/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054
1320107	CHA	07V	528498	7084455	21/06/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000054
1320108	CHA	07V	528547	7084459	21/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054
1320109	CHA	07V	528601	7084456	21/06/2012	Subtle Slope	White Spruce	Grass Cover	DAW12000054
1320110	CHA	07V	528649	7084456	21/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054

Sample ID	Project ID	UTM Zone	Easting	Northing	Sample Date	Site Slope	Site Vegetation	Site Cover	Remarks
1320111	CHA	07V	528702	7084457	21/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054
1320112	CHA	07V	528750	7084457	21/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054
1320113	CHA	07V	528798	7084457	21/06/2012	Pronounced Slope	Willows	Rock Cover	DAW12000054
1320114	CHA	07V	528851	7084456	21/06/2012	Subtle Slope	Willows	Grass Cover	DAW12000054
1320115	CHA	07V	528900	7084456	21/06/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000054
1320116	CHA	07V	528952	7084456	21/06/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000054
1320117	CHA	07V	528999	7084456	21/06/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000054
1320118	CHA	07V	529046	7084457	21/06/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000054
1320119	CHA	07V	529097	7084456	21/06/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000054
1320120	CHA	07V	529147	7084456	21/06/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000054
1320121	CHA	07V	529199	7084456	21/06/2012	Subtle Slope	Willows	Reindeer Moss	DAW12000054
1320122	CHA	07V	529248	7084456	21/06/2012	Subtle Slope	Willows	Reindeer Moss	DAW12000054
1320123	CHA	07V	529298	7084457	21/06/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000054
1320124	CHA	07V	529352	7084457	21/06/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000054
1320125	CHA	07V	529400	7084457	21/06/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000054
1320152	CHA	07V	529446	7084474	21/06/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000054
1320153	CHA	07V	529505	7084457	21/06/2012	Subtle Slope	White Spruce	Sphagnum Moss < 30cm	DAW12000054
1320154	CHA	07V	529551	7084457	21/06/2012	Subtle Slope	Subalpine Fir	Sphagnum Moss > 30cm	DAW12000054
1320155	CHA	07V	529599	7084457	21/06/2012	Subtle Slope	Willows	Reindeer Moss	DAW12000054
1320156	CHA	07V	529649	7084457	21/06/2012	Subtle Slope	Willows	Reindeer Moss	DAW12000054
1320157	CHA	07V	529693	7084444	21/06/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000054
1320158	CHA	07V	528245	7086852	22/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054
1320159	CHA	07V	528293	7086852	22/06/2012	Steep	No Tree Cover	Grass Cover	DAW12000054
1320160	CHA	07V	528347	7086852	22/06/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000054
1320161	CHA	07V	528397	7086852	22/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000054
1320162	CHA	07V	528444	7086852	22/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000054
1320163	CHA	07V	528483	7086880	22/06/2012	Steep	No Tree Cover	Grass Cover	DAW12000054
1320164	CHA	07V	528552	7086864	22/06/2012	Steep	No Tree Cover	Grass Cover	DAW12000054
1320165	CHA	07V	528586	7086866	22/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000054
1320166	CHA	07V	528645	7086853	22/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000054
1320167	CHA	07V	528693	7086881	22/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000054
1320168	CHA	07V	528736	7086852	22/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000054
1320169	CHA	07V	528794	7086845	22/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000054
1320170	CHA	07V	528848	7086853	22/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000054
1320171	CHA	07V	528911	7086852	22/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000054
1320172	CHA	07V	528947	7086843	22/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000054
1320173	CHA	07V	528998	7086852	22/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000054
1320174	CHA	07V	529044	7086853	22/06/2012	Steep	Willows	Rock Cover	DAW12000054
1320175	CHA	07V	529097	7086852	22/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000054
1320176	CHA	07V	529097	7086852	22/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000054
1320177	CHA	07V	529146	7086852	22/06/2012	Steep	Willows	Grass Cover	DAW12000054
1320178	CHA	07V	529195	7086853	22/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054
1320179	CHA	07V	529245	7086852	22/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054
1320180	CHA	07V	529295	7086853	22/06/2012	Subtle Slope	Willows	Grass Cover	DAW12000054
1320181	CHA	07V	529343	7086852	22/06/2012	Subtle Slope	Willows	Grass Cover	DAW12000054
1320182	CHA	07V	529398	7086852	22/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054
1320183	CHA	07V	529445	7086852	22/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054
1320184	CHA	07V	529497	7086852	22/06/2012	Subtle Slope	Willows	Grass Cover	DAW12000054
1320185	CHA	07V	529545	7086852	22/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054
1320186	CHA	07V	529596	7086852	22/06/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000054
1320187	CHA	07V	529646	7086852	22/06/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000054
1320188	CHA	07V	529695	7086853	22/06/2012	Subtle Slope	Willows	Grass Cover	DAW12000054
1320189	CHA	07V	529746	7086853	22/06/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000054
1320190	CHA	07V	528244	7086652	23/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000055
1320191	CHA	07V	528292	7086652	23/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000055
1320192	CHA	07V	528345	7086652	23/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000055
1320193	CHA	07V	528392	7086652	23/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000055
1320194	CHA	07V	528462	7086651	23/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000055
1320195	CHA	07V	528519	7086655	23/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000055
1320196	CHA	07V	528535	7086630	23/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000055
1320197	CHA	07V	528586	7086635	23/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000055
1320198	CHA	07V	528646	7086653	23/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000055
1320199	CHA	07V	528696	7086635	23/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000055
1320200	CHA	07V	528751	7086653	23/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000055
1320202	CHA	07V	528806	7086643	23/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000055
1320203	CHA	07V	528844	7086654	23/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000055
1320204	CHA	07V	528893	7086677	23/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000055
1320205	CHA	07V	528963	7086653	23/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000055
1320206	CHA	07V	528995	7086666	23/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000055
1320207	CHA	07V	529044	7086653	23/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000055
1320208	CHA	07V	529098	7086653	23/06/2012	Steep	Willows	Grass Cover	DAW12000055
1320209	CHA	07V	529143	7086653	23/06/2012	Steep	No Tree Cover	Grass Cover	DAW12000055
1320210	CHA	07V	529195	7086652	23/06/2012	Steep	Willows	Grass Cover	DAW12000055
1320211	CHA	07V	529245	7086653	23/06/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000055
1320212	CHA	07V	529295	7086652	23/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000055

Sample ID	Project ID	UTM Zone	Easting	Northing	Sample Date	Site Slope	Site Vegetation	Site Cover	Remarks
1320213	CHA	07V	529347	7086653	23/06/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000055
1320214	CHA	07V	529399	7086653	23/06/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000055
1320215	CHA	07V	529447	7086653	23/06/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000055
1320216	CHA	07V	529497	7086652	23/06/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000055
1320217	CHA	07V	529544	7086652	23/06/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000055
1320218	CHA	07V	529597	7086653	23/06/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000055
1320219	CHA	07V	529646	7086653	23/06/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000055
1320220	CHA	07V	529700	7086653	23/06/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000055
1320221	CHA	07V	529747	7086653	23/06/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000055
1320222	CHA	07V	526746	7084056	24/06/2012	Steep	No Tree Cover	Sphagnum Moss < 30cm	DAW12000055
1320223	CHA	07V	526796	7084055	24/06/2012	Steep	Willows	Sphagnum Moss < 30cm	DAW12000055
1320224	CHA	07V	526845	7084056	24/06/2012	Subtle Slope	Willows	Reindeer Moss	DAW12000055
1320225	CHA	07V	526897	7084056	24/06/2012	Subtle Slope	White Spruce	Sphagnum Moss < 30cm	DAW12000055
1320226	CHA	07V	526898	7084058	24/06/2012	Subtle Slope	White Spruce	Sphagnum Moss < 30cm	DAW12000055
1320227	CHA	07V	526947	7084055	24/06/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000055
1320228	CHA	07V	526997	7084055	24/06/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000055
1320229	CHA	07V	527048	7084055	24/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000055
1320230	CHA	07V	527094	7084055	24/06/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000055
1320231	CHA	07V	527146	7084057	24/06/2012	Subtle Slope	White Spruce	Sphagnum Moss < 30cm	DAW12000055
1320232	CHA	07V	527197	7084056	24/06/2012	Steep	Willows	Grass Cover	DAW12000055
1320233	CHA	07V	527247	7084055	24/06/2012	Subtle Slope	Willows	Grass Cover	DAW12000055
1320234	CHA	07V	527296	7084056	24/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000055
1320235	CHA	07V	527347	7084056	24/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000055
1320236	CHA	07V	527396	7084056	24/06/2012	Subtle Slope	Willows	Grass Cover	DAW12000055
1320237	CHA	07V	527446	7084055	24/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000055
1320238	CHA	07V	527503	7084056	24/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000055
1320239	CHA	07V	527540	7084058	24/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000055
1320240	CHA	07V	527595	7084055	24/06/2012	Subtle Slope	Willows	Grass Cover	DAW12000055
1320241	CHA	07V	527647	7084055	24/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000055
1320242	CHA	07V	527693	7084055	24/06/2012	Steep	Willows	Rock Cover	DAW12000055
1320243	CHA	07V	527752	7084055	24/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000055
1320244	CHA	07V	527799	7084056	24/06/2012	Subtle Slope	Willows	Grass Cover	DAW12000055
1320245	CHA	07V	527847	7084056	24/06/2012	Steep	Willows	Grass Cover	DAW12000055
1320246	CHA	07V	527897	7084056	24/06/2012	Steep	Willows	Grass Cover	DAW12000055
1320247	CHA	07V	527945	7084056	24/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000055
1320248	CHA	07V	527998	7084055	24/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000055
1320249	CHA	07V	528048	7084055	24/06/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000055
1320250	CHA	07V	528095	7084055	24/06/2012	Pronounced Slope	White Spruce	Sphagnum Moss < 30cm	DAW12000055
1320360	CHA	07V	528248	7084555	21/06/2012	Pronounced Slope	Willows	Thin Moss Cover	DAW12000054
1320361	CHA	07V	528298	7084556	21/06/2012	Pronounced Slope	Willows	Thin Moss Cover	DAW12000054
1320362	CHA	07V	528348	7084556	21/06/2012	Pronounced Slope	Willows	Thin Moss Cover	DAW12000054
1320363	CHA	07V	528397	7084557	21/06/2012	Pronounced Slope	Willows	Rock Cover	DAW12000054
1320364	CHA	07V	528447	7084556	21/06/2012	Pronounced Slope	Willows	Rock Cover	DAW12000054
1320365	CHA	07V	528497	7084555	21/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054
1320366	CHA	07V	528547	7084556	21/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054
1320367	CHA	07V	528599	7084556	21/06/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000054
1320368	CHA	07V	528646	7084556	21/06/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000054
1320369	CHA	07V	528697	7084555	21/06/2012	Steep	No Tree Cover	Grass Cover	DAW12000054
1320370	CHA	07V	528749	7084557	21/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054
1320371	CHA	07V	528801	7084556	21/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054
1320372	CHA	07V	528847	7084554	21/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054
1320373	CHA	07V	528898	7084556	21/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054
1320374	CHA	07V	528947	7084555	21/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054
1320375	CHA	07V	528998	7084556	21/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054
1320376	CHA	07V	528998	7084550	21/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054
1320377	CHA	07V	529047	7084554	21/06/2012	Subtle Slope	Willows	Grass Cover	DAW12000054
1320378	CHA	07V	529098	7084556	21/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054
1320379	CHA	07V	529151	7084555	21/06/2012	Subtle Slope	Willows	Grass Cover	DAW12000054
1320380	CHA	07V	529199	7084555	21/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054
1320381	CHA	07V	529249	7084555	21/06/2012	Subtle Slope	No Tree Cover	Grass Cover	DAW12000054
1320382	CHA	07V	529298	7084556	21/06/2012	Subtle Slope	Willows	Grass Cover	DAW12000054
1320383	CHA	07V	529348	7084555	21/06/2012	Subtle Slope	Willows	Grass Cover	DAW12000054
1320384	CHA	07V	529400	7084558	21/06/2012	Subtle Slope	Willows	Leaf Cover	DAW12000054
1320385	CHA	07V	529447	7084556	21/06/2012	Subtle Slope	Willows	Grass Cover	DAW12000054
1320386	CHA	07V	529498	7084557	21/06/2012	Subtle Slope	Willows	Grass Cover	DAW12000054
1320387	CHA	07V	529547	7084557	21/06/2012	Subtle Slope	Willows	Grass Cover	DAW12000054
1320388	CHA	07V	529599	7084557	21/06/2012	Subtle Slope	Willows	Grass Cover	DAW12000054
1320389	CHA	07V	529647	7084557	21/06/2012	Subtle Slope	Willows	Grass Cover	DAW12000054
1320390	CHA	07V	529699	7084557	21/06/2012	Subtle Slope	Willows	Grass Cover	DAW12000054
1320391	CHA	07V	529744	7084560	21/06/2012	Pronounced Slope	Willows	Thin Moss Cover	DAW12000054
1320392	CHA	07V	528245	7086952	22/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000054
1320393	CHA	07V	528296	7086954	22/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000054
1320394	CHA	07V	528346	7086954	22/06/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000054
1320395	CHA	07V	528392	7086936	22/06/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000054
1320396	CHA	07V	528445	7086953	22/06/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000054

Sample ID	Project ID	UTM Zone	Easting	Northing	Sample Date	Site Slope	Site Vegetation	Site Cover	Remarks
1320397	CHA	07V	528496	7086954	22/06/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000054
1320398	CHA	07V	528544	7086953	22/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000054
1320399	CHA	07V	528597	7086955	22/06/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000054
1320400	CHA	07V	528646	7086953	22/06/2012	Flat	No Tree Cover	Rock Cover	DAW12000054
1320402	CHA	07V	528696	7086953	22/06/2012	Flat	No Tree Cover	Rock Cover	DAW12000054
1320403	CHA	07V	528746	7086951	22/06/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000054
1320404	CHA	07V	528795	7086954	22/06/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000054
1320405	CHA	07V	528845	7086952	22/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000054
1320406	CHA	07V	529035	7086953	22/06/2012	Steep	No Tree Cover	Grass Cover	DAW12000054
1320407	CHA	07V	529095	7086953	22/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000054
1320408	CHA	07V	529145	7086953	22/06/2012	Steep	Dwarf Birch	Grass Cover	DAW12000054
1320409	CHA	07V	529194	7086952	22/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000054
1320410	CHA	07V	529246	7086953	22/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000054
1320411	CHA	07V	529294	7086953	22/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000054
1320412	CHA	07V	529346	7086953	22/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000054
1320413	CHA	07V	529396	7086952	22/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000054
1320414	CHA	07V	529444	7086952	22/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000054
1320415	CHA	07V	529496	7086953	22/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000054
1320416	CHA	07V	529547	7086953	22/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000054
1320417	CHA	07V	529596	7086952	22/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1320418	CHA	07V	529646	7086952	22/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000054
1320419	CHA	07V	529696	7086953	22/06/2012	Subtle Slope	Alders	Leaf Cover	DAW12000054
1320420	CHA	07V	529746	7086953	22/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1320421	CHA	07V	528248	7087262	23/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000055
1320422	CHA	07V	528295	7087242	23/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000055
1320423	CHA	07V	528345	7087251	23/06/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000055
1320424	CHA	07V	528396	7087251	23/06/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000055
1320425	CHA	07V	528445	7087252	23/06/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000055
1320426	CHA	07V	528445	7087252	23/06/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000055
1320427	CHA	07V	528495	7087251	23/06/2012	Flat	No Tree Cover	Grass Cover	DAW12000055
1320428	CHA	07V	528544	7087252	23/06/2012	Steep	No Tree Cover	Grass Cover	DAW12000055
1320429	CHA	07V	528594	7087252	23/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000055
1320430	CHA	07V	528645	7087253	23/06/2012	Steep	No Tree Cover	Grass Cover	DAW12000055
1320431	CHA	07V	528696	7087270	23/06/2012	Steep	No Tree Cover	Grass Cover	DAW12000055
1320432	CHA	07V	528744	7087252	23/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000055
1320433	CHA	07V	528798	7087287	23/06/2012	Steep	No Tree Cover	Grass Cover	DAW12000055
1320434	CHA	07V	528857	7087265	23/06/2012	Steep	Dwarf Birch	Grass Cover	DAW12000055
1320435	CHA	07V	528907	7087252	23/06/2012	Steep	No Tree Cover	Grass Cover	DAW12000055
1320436	CHA	07V	528947	7087252	23/06/2012	Steep	No Tree Cover	Thin Moss Cover	DAW12000055
1320437	CHA	07V	528996	7087252	23/06/2012	Steep	No Tree Cover	Thin Moss Cover	DAW12000055
1320438	CHA	07V	529046	7087255	23/06/2012	Steep	No Tree Cover	Reindeer Moss	DAW12000055
1320439	CHA	07V	529093	7087253	23/06/2012	Steep	No Tree Cover	Reindeer Moss	DAW12000055
1320440	CHA	07V	529146	7087252	23/06/2012	Steep	No Tree Cover	Grass Cover	DAW12000055
1320441	CHA	07V	529195	7087252	23/06/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss > 30cm	DAW12000055
1320442	CHA	07V	529246	7087252	23/06/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000055
1320443	CHA	07V	529296	7087251	23/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000055
1320444	CHA	07V	529347	7087252	23/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000055
1320445	CHA	07V	529396	7087252	23/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000055
1320446	CHA	07V	529446	7087253	23/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000055
1320447	CHA	07V	529496	7087253	23/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000055
1320448	CHA	07V	529547	7087252	23/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000055
1320449	CHA	07V	529597	7087252	23/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000055
1320450	CHA	07V	526746	7084155	24/06/2012	Pronounced Slope	Black Spruce	Thin Moss Cover	DAW12000055
1320452	CHA	07V	526796	7084153	24/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1320453	CHA	07V	526846	7084152	24/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1320454	CHA	07V	526899	7084153	24/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000055
1320455	CHA	07V	526947	7084154	24/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000055
1320456	CHA	07V	526997	7084154	24/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000055
1320457	CHA	07V	527048	7084154	24/06/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000055
1320458	CHA	07V	527098	7084154	24/06/2012	Steep	Black Spruce	Rock Cover	DAW12000055
1320459	CHA	07V	527149	7084154	24/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000055
1320460	CHA	07V	527200	7084154	24/06/2012	Subtle Slope	No Tree Cover	Grass Cover	DAW12000055
1320461	CHA	07V	527250	7084154	24/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000055
1320462	CHA	07V	527297	7084155	24/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000055
1320463	CHA	07V	527348	7084155	24/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000055
1320464	CHA	07V	527398	7084153	24/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000055
1320465	CHA	07V	527447	7084155	24/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000055
1320466	CHA	07V	527498	7084155	24/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000055
1320467	CHA	07V	527546	7084156	24/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000055
1320468	CHA	07V	527596	7084155	24/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000055
1320469	CHA	07V	527649	7084155	24/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000055
1320470	CHA	07V	527698	7084155	24/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000055
1320471	CHA	07V	527746	7084156	24/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000055
1320472	CHA	07V	527796	7084155	24/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000055
1320473	CHA	07V	527847	7084155	24/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000055

Sample ID	Project ID	UTM Zone	Easting	Northing	Sample Date	Site Slope	Site Vegetation	Site Cover	Remarks
1320474	CHA	07V	527896	7084155	24/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000055
1320475	CHA	07V	527945	7084156	24/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000055
1320476	CHA	07V	527945	7084156	24/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000055
1320477	CHA	07V	527998	7084156	24/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000055
1320478	CHA	07V	528047	7084156	24/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000055
1320479	CHA	07V	528100	7084156	24/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000055
1320480	CHA	07V	528149	7084156	24/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000055
1320481	CHA	07V	528197	7084156	24/06/2012	Pronounced Slope	Alders	Grass Cover	DAW12000055
1320482	CHA	07V	528246	7086253	25/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000070
1320483	CHA	07V	528295	7086254	25/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000070
1320484	CHA	07V	528347	7086254	25/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000070
1320485	CHA	07V	528397	7086254	25/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000070
1320486	CHA	07V	528449	7086254	25/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000070
1320487	CHA	07V	528499	7086254	25/06/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000070
1320488	CHA	07V	528546	7086253	25/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000070
1320489	CHA	07V	528597	7086254	25/06/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000070
1320490	CHA	07V	528648	7086254	25/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000070
1320491	CHA	07V	528696	7086254	25/06/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000070
1320492	CHA	07V	528747	7086254	25/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000070
1320493	CHA	07V	528800	7086253	25/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000070
1320494	CHA	07V	528847	7086253	25/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000070
1320495	CHA	07V	528897	7086253	25/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000070
1320496	CHA	07V	528946	7086253	25/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000070
1320497	CHA	07V	528997	7086253	25/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000070
1320498	CHA	07V	529044	7086253	25/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000070
1320499	CHA	07V	529095	7086254	25/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000070
1320500	CHA	07V	529147	7086253	25/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000070
1320631	CHA	07V	528248	7084257	21/06/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000054
1320632	CHA	07V	528299	7084255	21/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000054
1320633	CHA	07V	528347	7084255	21/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000054
1320634	CHA	07V	528397	7084255	21/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000054
1320635	CHA	07V	528446	7084256	21/06/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000054
1320636	CHA	07V	528497	7084256	21/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000054
1320637	CHA	07V	528548	7084255	21/06/2012	Pronounced Slope	Willows	Thin Moss Cover	DAW12000054
1320638	CHA	07V	528599	7084256	21/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054
1320639	CHA	07V	528648	7084256	21/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000054
1320640	CHA	07V	528748	7084256	21/06/2012	Pronounced Slope	Dwarf Birch	Reindeer Moss	DAW12000054
1320641	CHA	07V	528798	7084257	21/06/2012	Pronounced Slope	Dwarf Birch	Bare Soil	DAW12000054
1320642	CHA	07V	528849	7084255	21/06/2012	Pronounced Slope	Willows	Reindeer Moss	DAW12000054
1320643	CHA	07V	528899	7084256	21/06/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000054
1320644	CHA	07V	528948	7084257	21/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000054
1320645	CHA	07V	528999	7084255	21/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054
1320646	CHA	07V	529047	7084256	21/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1320647	CHA	07V	529097	7084256	21/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1320648	CHA	07V	529147	7084256	21/06/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000054
1320649	CHA	07V	529198	7084257	21/06/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss > 30cm	DAW12000054
1320650	CHA	07V	529247	7084257	21/06/2012	Flat	Dwarf Birch	Bare Soil	DAW12000054
1320652	CHA	07V	529297	7084257	21/06/2012	Flat	Dwarf Birch	Thin Moss Cover	DAW12000054
1320653	CHA	07V	529347	7084257	21/06/2012	Subtle Slope	Dwarf Birch	Reindeer Moss	DAW12000054
1320654	CHA	07V	529398	7084258	21/06/2012	Subtle Slope	Dwarf Birch	Reindeer Moss	DAW12000054
1320655	CHA	07V	529449	7084257	21/06/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss > 30cm	DAW12000054
1320656	CHA	07V	529499	7084257	21/06/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss > 30cm	DAW12000054
1320657	CHA	07V	529548	7084257	21/06/2012	Pronounced Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000054
1320658	CHA	07V	529699	7084258	21/06/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss > 30cm	DAW12000054
1320659	CHA	07V	529749	7084258	21/06/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss > 30cm	DAW12000054
1320660	CHA	07V	528245	7086752	22/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054
1320661	CHA	07V	528294	7086751	22/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054
1320662	CHA	07V	528345	7086752	22/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054
1320663	CHA	07V	528394	7086751	22/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000054
1320664	CHA	07V	528445	7086752	22/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054
1320665	CHA	07V	528495	7086752	22/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054
1320666	CHA	07V	528552	7086767	22/06/2012	Pronounced Slope	Willows	Thin Moss Cover	DAW12000054
1320667	CHA	07V	528595	7086752	22/06/2012	Pronounced Slope	No Tree Cover	Bare Soil	DAW12000054
1320668	CHA	07V	528640	7086738	22/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000054
1320669	CHA	07V	528699	7086735	22/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000054
1320670	CHA	07V	528757	7086754	22/06/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000054
1320671	CHA	07V	528798	7086778	22/06/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000054
1320672	CHA	07V	528845	7086753	22/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000054
1320673	CHA	07V	528898	7086766	22/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000054
1320674	CHA	07V	528949	7086754	22/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000054
1320675	CHA	07V	529046	7086751	22/06/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000054
1320676	CHA	07V	529095	7086754	22/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1320677	CHA	07V	529095	7086752	22/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000054
1320678	CHA	07V	529146	7086753	22/06/2012	Pronounced Slope	Willows	Thin Moss Cover	DAW12000054
1320679	CHA	07V	529195	7086752	22/06/2012	Pronounced Slope	Black Spruce	Thin Moss Cover	DAW12000054

Sample ID	Project ID	UTM Zone	Easting	Northing	Sample Date	Site Slope	Site Vegetation	Site Cover	Remarks
1320680	CHA	07V	529246	7086753	22/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1320681	CHA	07V	529296	7086752	22/06/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000054
1320682	CHA	07V	529345	7086753	22/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1320683	CHA	07V	529396	7086754	22/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1320684	CHA	07V	529446	7086753	22/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1320685	CHA	07V	529496	7086753	22/06/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000054
1320686	CHA	07V	529545	7086754	22/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000054
1320687	CHA	07V	529596	7086754	22/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1320688	CHA	07V	529648	7086754	22/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1320689	CHA	07V	529695	7086754	22/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1320690	CHA	07V	529747	7086754	22/06/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000054
1320691	CHA	07V	528252	7087350	23/06/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000055
1320692	CHA	07V	528295	7087357	23/06/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000055
1320693	CHA	07V	528346	7087362	23/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000055
1320694	CHA	07V	528395	7087350	23/06/2012	Flat	Willows	Grass Cover	DAW12000055
1320695	CHA	07V	528446	7087360	23/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000055
1320696	CHA	07V	528489	7087355	23/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000055
1320697	CHA	07V	528547	7087344	23/06/2012	Pronounced Slope	Willows	Thin Moss Cover	DAW12000055
1320698	CHA	07V	528618	7087370	23/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000055
1320699	CHA	07V	528682	7087344	23/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000055
1320700	CHA	07V	528746	7087350	23/06/2012	Pronounced Slope	No Tree Cover	Bare Soil	DAW12000055
1320702	CHA	07V	528795	7087352	23/06/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000055
1320703	CHA	07V	528849	7087356	23/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000055
1320704	CHA	07V	528896	7087352	23/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000055
1320705	CHA	07V	528946	7087352	23/06/2012	Pronounced Slope	No Tree Cover	Reindeer Moss	DAW12000055
1320706	CHA	07V	528996	7087351	23/06/2012	Pronounced Slope	Willows	Reindeer Moss	DAW12000055
1320707	CHA	07V	529094	7087351	23/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1320708	CHA	07V	529144	7087350	23/06/2012	Pronounced Slope	Dwarf Birch	Reindeer Moss	DAW12000055
1320709	CHA	07V	529196	7087352	23/06/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000055
1320710	CHA	07V	529294	7087351	23/06/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000055
1320711	CHA	07V	529346	7087352	23/06/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000055
1320712	CHA	07V	529395	7087351	23/06/2012	Pronounced Slope	Willows	Reindeer Moss	DAW12000055
1320713	CHA	07V	529446	7087351	23/06/2012	Pronounced Slope	Dwarf Birch	Reindeer Moss	DAW12000055
1320714	CHA	07V	529495	7087352	23/06/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss > 30cm	DAW12000055
1320715	CHA	07V	529545	7087351	23/06/2012	Pronounced Slope	Dwarf Birch	Reindeer Moss	DAW12000055
1320716	CHA	07V	529597	7087352	23/06/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000055
1320717	CHA	07V	529648	7087351	23/06/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000055
1320718	CHA	07V	529696	7087351	23/06/2012	Pronounced Slope	Black Spruce	Thin Moss Cover	DAW12000055
1320719	CHA	07V	529746	7087352	23/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1320720	CHA	07V	529746	7087254	23/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1320721	CHA	07V	529697	7087253	23/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1320722	CHA	07V	529646	7087252	23/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000055
1320723	CHA	07V	526746	7083955	24/06/2012	Pronounced Slope	Willows	Reindeer Moss	DAW12000055
1320724	CHA	07V	526796	7083955	24/06/2012	Pronounced Slope	Dwarf Birch	Reindeer Moss	DAW12000055
1320725	CHA	07V	526847	7083955	24/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1320726	CHA	07V	526847	7083955	24/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1320727	CHA	07V	526898	7083955	24/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1320728	CHA	07V	526946	7083955	24/06/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000055
1320729	CHA	07V	526998	7083954	24/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1320730	CHA	07V	527047	7083955	24/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000055
1320731	CHA	07V	527096	7083954	24/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000055
1320732	CHA	07V	527147	7083956	24/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000055
1320733	CHA	07V	527198	7083956	24/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000055
1320734	CHA	07V	527248	7083955	24/06/2012	Pronounced Slope	Willows	Thin Moss Cover	DAW12000055
1320735	CHA	07V	527297	7083956	24/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000055
1320736	CHA	07V	527348	7083957	24/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000055
1320737	CHA	07V	527398	7083957	24/06/2012	Pronounced Slope	White Spruce	Grass Cover	DAW12000055
1320738	CHA	07V	527449	7083957	24/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000055
1320739	CHA	07V	527498	7083957	24/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000055
1320740	CHA	07V	527547	7083955	24/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000055
1320741	CHA	07V	527598	7083956	24/06/2012	Pronounced Slope	White Spruce	Grass Cover	DAW12000055
1320742	CHA	07V	527646	7083955	24/06/2012	Pronounced Slope	Poplar	Grass Cover	DAW12000055
1320743	CHA	07V	527695	7083956	24/06/2012	Pronounced Slope	Poplar	Grass Cover	DAW12000055
1320744	CHA	07V	527745	7083957	24/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000055
1320745	CHA	07V	527797	7083958	24/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000055
1320746	CHA	07V	527848	7083957	24/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1320747	CHA	07V	528248	7083956	24/06/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000055
1320748	CHA	07V	528197	7083956	24/06/2012	Pronounced Slope	Willows	Thin Moss Cover	DAW12000055
1320749	CHA	07V	528147	7083957	24/06/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000055
1320750	CHA	07V	528097	7083955	24/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1320842	CHA	07V	528248	7084156	21/06/2012	Pronounced Slope	White Spruce	Thin Moss Cover	DAW12000054
1320843	CHA	07V	528298	7084156	21/06/2012	Pronounced Slope	White Spruce	Grass Cover	DAW12000054
1320844	CHA	07V	528348	7084156	21/06/2012	Pronounced Slope	White Spruce	Thin Moss Cover	DAW12000054
1320845	CHA	07V	528398	7084157	21/06/2012	Pronounced Slope	White Spruce	Grass Cover	DAW12000054
1320846	CHA	07V	528449	7084157	21/06/2012	Pronounced Slope	White Spruce	Thin Moss Cover	DAW12000054

Sample ID	Project ID	UTM Zone	Easting	Northing	Sample Date	Site Slope	Site Vegetation	Site Cover	Remarks
1320847	CHA	07V	528499	7084158	21/06/2012	Pronounced Slope	White Spruce	Thin Moss Cover	DAW12000054
1320848	CHA	07V	528546	7084158	21/06/2012	Pronounced Slope	Poplar	Thin Moss Cover	DAW12000054
1320849	CHA	07V	528599	7084159	21/06/2012	Pronounced Slope	White Spruce	Thin Moss Cover	DAW12000054
1320850	CHA	07V	528648	7084159	21/06/2012	Pronounced Slope	White Spruce	Thin Moss Cover	DAW12000054
1320852	CHA	07V	528698	7084161	21/06/2012	Pronounced Slope	White Spruce	Grass Cover	DAW12000054
1320853	CHA	07V	528748	7084162	21/06/2012	Pronounced Slope	White Spruce	Thin Moss Cover	DAW12000054
1320854	CHA	07V	528802	7084161	21/06/2012	Pronounced Slope	White Spruce	Thin Moss Cover	DAW12000054
1320855	CHA	07V	528848	7084161	21/06/2012	Pronounced Slope	White Spruce	Thin Moss Cover	DAW12000054
1320856	CHA	07V	528897	7084162	21/06/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss > 30cm	DAW12000054
1320857	CHA	07V	528950	7084164	21/06/2012	Subtle Slope	Willows	Sphagnum Moss > 30cm	DAW12000054
1320858	CHA	07V	528999	7084163	21/06/2012	Pronounced Slope	Dwarf Birch	Leaf Cover	DAW12000054
1320859	CHA	07V	529048	7084163	21/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1320860	CHA	07V	529097	7084163	21/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1320861	CHA	07V	529148	7084163	21/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1320862	CHA	07V	529197	7084161	21/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1320863	CHA	07V	529247	7084161	21/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1320864	CHA	07V	529298	7084162	21/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1320865	CHA	07V	529348	7084161	21/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1320866	CHA	07V	529398	7084160	21/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1320867	CHA	07V	529449	7084160	21/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1320868	CHA	07V	529499	7084160	21/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1320869	CHA	07V	529548	7084160	21/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1320870	CHA	07V	529600	7084160	21/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1320871	CHA	07V	529649	7084159	21/06/2012	Pronounced Slope	White Spruce	Thin Moss Cover	DAW12000054
1320872	CHA	07V	529749	7084159	21/06/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000054
1320873	CHA	07V	528245	7087150	22/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000054
1320874	CHA	07V	528296	7087151	22/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000054
1320875	CHA	07V	528346	7087151	22/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000054
1320876	CHA	07V	528346	7087151	22/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000054
1320877	CHA	07V	528395	7087150	22/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000054
1320878	CHA	07V	528446	7087151	22/06/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000054
1320879	CHA	07V	528496	7087150	22/06/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000054
1320880	CHA	07V	528546	7087151	22/06/2012	Subtle Slope	No Tree Cover	Rock Cover	DAW12000054
1320881	CHA	07V	528596	7087151	22/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000054
1320882	CHA	07V	528636	7087157	22/06/2012	Pronounced Slope	Willows	Thin Moss Cover	DAW12000054
1320883	CHA	07V	528696	7087150	22/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000054
1320884	CHA	07V	528747	7087152	22/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000054
1320885	CHA	07V	528798	7087161	22/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000054
1320886	CHA	07V	528846	7087151	22/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000054
1320887	CHA	07V	528898	7087151	22/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000054
1320888	CHA	07V	528948	7087151	22/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000054
1320889	CHA	07V	528997	7087151	22/06/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000054
1320890	CHA	07V	529044	7087152	22/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000054
1320891	CHA	07V	529096	7087152	22/06/2012	Pronounced Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000054
1320892	CHA	07V	529144	7087152	22/06/2012	Pronounced Slope	No Tree Cover	Sphagnum Moss > 30cm	DAW12000054
1320893	CHA	07V	529195	7087152	22/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000054
1320894	CHA	07V	529246	7087152	22/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000054
1320895	CHA	07V	529295	7087153	22/06/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000054
1320896	CHA	07V	529346	7087152	22/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000054
1320897	CHA	07V	529395	7087152	22/06/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000054
1320898	CHA	07V	529447	7087152	22/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1320899	CHA	07V	529596	7087153	22/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1320900	CHA	07V	529497	7087152	22/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000054
1320902	CHA	07V	529547	7087152	22/06/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000054
1320903	CHA	07V	529645	7087152	22/06/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000054
1320904	CHA	07V	529696	7087153	22/06/2012	Subtle Slope	Alders	Grass Cover	DAW12000054
1320905	CHA	07V	529746	7087152	22/06/2012	Subtle Slope	Alders	Grass Cover	DAW12000054
1320906	CHA	07V	528242	7086565	23/06/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000055
1320907	CHA	07V	528297	7086553	23/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000055
1320908	CHA	07V	528347	7086553	23/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000055
1320909	CHA	07V	528396	7086552	23/06/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000055
1320910	CHA	07V	528448	7086552	23/06/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000055
1320911	CHA	07V	528496	7086553	23/06/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000055
1320912	CHA	07V	528547	7086552	23/06/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000055
1320913	CHA	07V	528598	7086552	23/06/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000055
1320914	CHA	07V	528647	7086552	23/06/2012	Subtle Slope	No Tree Cover	Grass Cover	DAW12000055
1320915	CHA	07V	528698	7086553	23/06/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000055
1320916	CHA	07V	528747	7086553	23/06/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000055
1320917	CHA	07V	528798	7086553	23/06/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000055
1320918	CHA	07V	528847	7086553	23/06/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000055
1320919	CHA	07V	528897	7086553	23/06/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000055
1320920	CHA	07V	528998	7086553	23/06/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000055
1320921	CHA	07V	529047	7086553	23/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000055
1320922	CHA	07V	529097	7086553	23/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000055
1320923	CHA	07V	529146	7086553	23/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000055

Sample ID	Project ID	UTM Zone	Easting	Northing	Sample Date	Site Slope	Site Vegetation	Site Cover	Remarks
1320924	CHA	07V	529194	7086553	23/06/2012	Subtle Slope	Willows	Thin Moss Cover	DAW12000055
1320925	CHA	07V	529247	7086552	23/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1320926	CHA	07V	529247	7086552	23/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1320927	CHA	07V	529297	7086552	23/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1320928	CHA	07V	529346	7086553	23/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1320929	CHA	07V	529398	7086552	23/06/2012	Subtle Slope	Dwarf Birch	Leaf Cover	DAW12000055
1320930	CHA	07V	529448	7086553	23/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1320931	CHA	07V	529497	7086553	23/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1320932	CHA	07V	529546	7086553	23/06/2012	Subtle Slope	Dwarf Birch	Leaf Cover	DAW12000055
1320933	CHA	07V	529597	7086553	23/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1320934	CHA	07V	529647	7086553	23/06/2012	Subtle Slope	Alders	Thin Moss Cover	DAW12000055
1320935	CHA	07V	529698	7086552	23/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1320936	CHA	07V	529747	7086553	23/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1320937	CHA	07V	526746	7083856	24/06/2012	Pronounced Slope	White Spruce	Thin Moss Cover	DAW12000055
1320938	CHA	07V	526797	7083856	24/06/2012	Pronounced Slope	Dwarf Birch	Leaf Cover	DAW12000055
1320939	CHA	07V	526847	7083856	24/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1320940	CHA	07V	526897	7083856	24/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1320941	CHA	07V	526947	7083856	24/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1320942	CHA	07V	526997	7083856	24/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000055
1320943	CHA	07V	527045	7083856	24/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1320944	CHA	07V	527097	7083856	24/06/2012	Pronounced Slope	Alders	Grass Cover	DAW12000055
1320945	CHA	07V	527147	7083857	24/06/2012	Subtle Slope	Alders	Thin Moss Cover	DAW12000055
1320946	CHA	07V	527197	7083855	24/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1320947	CHA	07V	527247	7083856	24/06/2012	Subtle Slope	Alders	Thin Moss Cover	DAW12000055
1320948	CHA	07V	527298	7083856	24/06/2012	Subtle Slope	Alders	Thin Moss Cover	DAW12000055
1320949	CHA	07V	527349	7083857	24/06/2012	Pronounced Slope	Alders	Thin Moss Cover	DAW12000055
1320950	CHA	07V	527398	7083857	24/06/2012	Pronounced Slope	Poplar	Grass Cover	DAW12000055
1321252	CHA	07V	528347	7084358	21/06/2012	Pronounced Slope	White Spruce	Grass Cover	DAW12000054
1321253	CHA	07V	528397	7084358	21/06/2012	Pronounced Slope	White Spruce	Sphagnum Moss < 30cm	DAW12000054
1321254	CHA	07V	528447	7084357	21/06/2012	Pronounced Slope	White Spruce	Thin Moss Cover	DAW12000054
1321255	CHA	07V	528497	7084359	21/06/2012	Pronounced Slope	White Spruce	Thin Moss Cover	DAW12000054
1321256	CHA	07V	528547	7084357	21/06/2012	Pronounced Slope	White Spruce	Rock Cover	DAW12000054
1321257	CHA	07V	528598	7084357	21/06/2012	Pronounced Slope	White Spruce	Thin Moss Cover	DAW12000054
1321258	CHA	07V	528648	7084357	21/06/2012	Pronounced Slope	Alders	Grass Cover	DAW12000054
1321259	CHA	07V	528698	7084358	21/06/2012	Pronounced Slope	White Spruce	Grass Cover	DAW12000054
1321260	CHA	07V	528748	7084358	21/06/2012	Pronounced Slope	Willows	Thin Moss Cover	DAW12000054
1321261	CHA	07V	528799	7084359	21/06/2012	Pronounced Slope	White Spruce	Thin Moss Cover	DAW12000054
1321262	CHA	07V	528848	7084357	21/06/2012	Pronounced Slope	White Spruce	Rock Cover	DAW12000054
1321263	CHA	07V	528897	7084356	21/06/2012	Pronounced Slope	White Spruce	Rock Cover	DAW12000054
1321264	CHA	07V	528947	7084356	21/06/2012	Subtle Slope	White Spruce	Sphagnum Moss < 30cm	DAW12000054
1321265	CHA	07V	528997	7084357	21/06/2012	Pronounced Slope	Alders	Sphagnum Moss < 30cm	DAW12000054
1321266	CHA	07V	529047	7084357	21/06/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000054
1321267	CHA	07V	529097	7084356	21/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1321268	CHA	07V	529147	7084357	21/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1321269	CHA	07V	529197	7084358	21/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1321270	CHA	07V	529248	7084357	21/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1321271	CHA	07V	529298	7084358	21/06/2012	Subtle Slope	White Spruce	Thin Moss Cover	DAW12000054
1321272	CHA	07V	529347	7084357	21/06/2012	Subtle Slope	White Spruce	Thin Moss Cover	DAW12000054
1321273	CHA	07V	529397	7084358	21/06/2012	Subtle Slope	Black Spruce	Grass Cover	DAW12000054
1321274	CHA	07V	528244	7087451	23/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000055
1321275	CHA	07V	528244	7087451	23/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000055
1321276	CHA	07V	529448	7084358	21/06/2012	Subtle Slope	Black Spruce	Sphagnum Moss > 30cm	DAW12000054
1321277	CHA	07V	529499	7084358	21/06/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000054
1321278	CHA	07V	529549	7084356	21/06/2012	Pronounced Slope	Black Spruce	Thin Moss Cover	DAW12000054
1321279	CHA	07V	529599	7084358	21/06/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss > 30cm	DAW12000054
1321280	CHA	07V	529649	7084357	21/06/2012	Pronounced Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000054
1321281	CHA	07V	529699	7084357	21/06/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000054
1321282	CHA	07V	529748	7084358	21/06/2012	Pronounced Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000054
1321283	CHA	07V	529749	7084457	21/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1321284	CHA	07V	528245	7087052	22/06/2012	Subtle Slope	No Tree Cover	Rock Cover	DAW12000054
1321285	CHA	07V	528295	7087052	22/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000054
1321286	CHA	07V	528345	7087051	22/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000054
1321287	CHA	07V	528395	7087039	22/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000054
1321288	CHA	07V	528445	7087052	22/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000054
1321289	CHA	07V	528496	7087042	22/06/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000054
1321290	CHA	07V	528546	7087051	22/06/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000054
1321291	CHA	07V	528597	7087051	22/06/2012	Flat	No Tree Cover	Thin Moss Cover	DAW12000054
1321292	CHA	07V	528645	7087053	22/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000054
1321293	CHA	07V	528696	7087053	22/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000054
1321294	CHA	07V	528736	7087052	22/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000054
1321295	CHA	07V	528795	7087052	22/06/2012	Steep	No Tree Cover	Rock Cover	DAW12000054
1321296	CHA	07V	528940	7087061	22/06/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000054
1321297	CHA	07V	528995	7087052	22/06/2012	Pronounced Slope	Willows	Thin Moss Cover	DAW12000054
1321298	CHA	07V	529045	7087051	22/06/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000054
1321299	CHA	07V	529088	7087047	22/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000054

Sample ID	Project ID	UTM Zone	Easting	Northing	Sample Date	Site Slope	Site Vegetation	Site Cover	Remarks
1321300	CHA	07V	529144	7087052	22/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000054
1321302	CHA	07V	529195	7087051	22/06/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000054
1321303	CHA	07V	529245	7087051	22/06/2012	Pronounced Slope	Willows	Thin Moss Cover	DAW12000054
1321304	CHA	07V	529305	7087046	22/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1321305	CHA	07V	529345	7087052	22/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1321306	CHA	07V	529396	7087052	22/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1321307	CHA	07V	529446	7087052	22/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1321308	CHA	07V	529497	7087052	22/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000054
1321309	CHA	07V	529546	7087052	22/06/2012	Pronounced Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000054
1321310	CHA	07V	529596	7087052	22/06/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000054
1321311	CHA	07V	529643	7087041	22/06/2012	Subtle Slope	Willows	Grass Cover	DAW12000054
1321312	CHA	07V	529697	7087052	22/06/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000054
1321313	CHA	07V	529747	7087053	22/06/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000054
1321314	CHA	07V	528346	7087451	23/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000055
1321315	CHA	07V	528397	7087451	23/06/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000055
1321316	CHA	07V	528445	7087450	23/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000055
1321317	CHA	07V	528490	7087463	23/06/2012	Steep	No Tree Cover	Thin Moss Cover	DAW12000055
1321318	CHA	07V	528545	7087452	23/06/2012	Steep	No Tree Cover	Thin Moss Cover	DAW12000055
1321319	CHA	07V	528596	7087453	23/06/2012	Steep	No Tree Cover	Thin Moss Cover	DAW12000055
1321320	CHA	07V	528634	7087457	23/06/2012	Steep	No Tree Cover	Thin Moss Cover	DAW12000055
1321321	CHA	07V	527696	7084255	24/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000055
1321322	CHA	07V	527747	7084255	24/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1321323	CHA	07V	528199	7084256	24/06/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000055
1321324	CHA	07V	528295	7087452	23/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000055
1321325	CHA	07V	528295	7087452	23/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000055
1321326	CHA	07V	529346	7087452	23/06/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000055
1321327	CHA	07V	529396	7087452	23/06/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000055
1321328	CHA	07V	529448	7087451	23/06/2012	Pronounced Slope	Alders	Sphagnum Moss < 30cm	DAW12000055
1321329	CHA	07V	529497	7087450	23/06/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000055
1321330	CHA	07V	529549	7087452	23/06/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000055
1321331	CHA	07V	529596	7087452	23/06/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000055
1321332	CHA	07V	529647	7087452	23/06/2012	Pronounced Slope	White Spruce	Sphagnum Moss < 30cm	DAW12000055
1321333	CHA	07V	529686	7087450	23/06/2012	Pronounced Slope	White Spruce	Sphagnum Moss < 30cm	DAW12000055
1321334	CHA	07V	529748	7087451	23/06/2012	Pronounced Slope	White Spruce	Thin Moss Cover	DAW12000055
1321335	CHA	07V	526746	7084255	24/06/2012	Pronounced Slope	White Spruce	Thin Moss Cover	DAW12000055
1321336	CHA	07V	526796	7084254	24/06/2012	Pronounced Slope	White Spruce	Thin Moss Cover	DAW12000055
1321337	CHA	07V	526845	7084255	24/06/2012	Pronounced Slope	White Spruce	Thin Moss Cover	DAW12000055
1321338	CHA	07V	528691	7087474	23/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000055
1321339	CHA	07V	528811	7087444	23/06/2012	Steep	No Tree Cover	Thin Moss Cover	DAW12000055
1321340	CHA	07V	528846	7087450	23/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000055
1321341	CHA	07V	528898	7087451	23/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1321342	CHA	07V	528939	7087454	23/06/2012	Pronounced Slope	Willows	Thin Moss Cover	DAW12000055
1321343	CHA	07V	528996	7087452	23/06/2012	Pronounced Slope	Willows	Thin Moss Cover	DAW12000055
1321344	CHA	07V	529047	7087451	23/06/2012	Pronounced Slope	Willows	Thin Moss Cover	DAW12000055
1321345	CHA	07V	529096	7087452	23/06/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000055
1321346	CHA	07V	529145	7087451	23/06/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000055
1321347	CHA	07V	529196	7087452	23/06/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000055
1321348	CHA	07V	529246	7087451	23/06/2012	Pronounced Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000055
1321349	CHA	07V	529297	7087451	23/06/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000055
1321350	CHA	07V	528147	7084256	24/06/2012	Pronounced Slope	White Spruce	Thin Moss Cover	DAW12000055
1321352	CHA	07V	528097	7084256	24/06/2012	Steep	Dwarf Birch	Grass Cover	DAW12000055
1321353	CHA	07V	528047	7084256	24/06/2012	Pronounced Slope	White Spruce	Thin Moss Cover	DAW12000055
1321354	CHA	07V	527997	7084257	24/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000055
1321355	CHA	07V	527938	7084255	24/06/2012	Steep	Willows	Thin Moss Cover	DAW12000055
1321356	CHA	07V	527908	7084272	24/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000055
1321357	CHA	07V	527848	7084256	24/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1321358	CHA	07V	527795	7084255	24/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1321359	CHA	07V	529397	7086454	25/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000070
1321360	CHA	07V	529447	7086454	25/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000070
1321361	CHA	07V	529496	7086455	25/06/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000070
1321362	CHA	07V	528246	7086453	25/06/2012	Pronounced Slope	White Spruce	Thin Moss Cover	DAW12000070
1321363	CHA	07V	528296	7086452	25/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000070
1321364	CHA	07V	528346	7086452	25/06/2012	Pronounced Slope	Willows	Rock Cover	DAW12000070
1321365	CHA	07V	528396	7086453	25/06/2012	Pronounced Slope	Dwarf Birch	Rock Cover	DAW12000070
1321366	CHA	07V	528446	7086453	25/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000070
1321367	CHA	07V	528495	7086454	25/06/2012	Pronounced Slope	Dwarf Birch	Rock Cover	DAW12000070
1321368	CHA	07V	528545	7086452	25/06/2012	Pronounced Slope	Dwarf Birch	Rock Cover	DAW12000070
1321369	CHA	07V	528596	7086452	25/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000070
1321370	CHA	07V	528647	7086452	25/06/2012	Pronounced Slope	Willows	Thin Moss Cover	DAW12000070
1321371	CHA	07V	528696	7086454	25/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000070
1321372	CHA	07V	528746	7086453	25/06/2012	Pronounced Slope	Willows	Thin Moss Cover	DAW12000070
1321373	CHA	07V	528796	7086453	25/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000070
1321374	CHA	07V	528847	7086452	25/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000070
1321375	CHA	07V	528847	7086452	25/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000070
1321376	CHA	07V	529545	7086454	25/06/2012	Subtle Slope	Willows	Thin Moss Cover	DAW12000070

Sample ID	Project ID	UTM Zone	Easting	Northing	Sample Date	Site Slope	Site Vegetation	Site Cover	Remarks
1321377	CHA	07V	529597	7086455	25/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000070
1321378	CHA	07V	529647	7086455	25/06/2012	Subtle Slope	White Spruce	Thin Moss Cover	DAW12000070
1321379	CHA	07V	529696	7086455	25/06/2012	Subtle Slope	White Spruce	Thin Moss Cover	DAW12000070
1321380	CHA	07V	529748	7086455	25/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000070
1321476	CHA	07V	528897	7086453	25/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000070
1321477	CHA	07V	528947	7086454	25/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000070
1321478	CHA	07V	529047	7086453	25/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000070
1321479	CHA	07V	529096	7086453	25/06/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000070
1321480	CHA	07V	529145	7086454	25/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000070
1321481	CHA	07V	529195	7086453	25/06/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000070
1321482	CHA	07V	529246	7086453	25/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000070
1321483	CHA	07V	529296	7086453	25/06/2012	Subtle Slope	White Spruce	Sphagnum Moss < 30cm	DAW12000070
1321484	CHA	07V	529346	7086453	25/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000070
1321485	CHA	07V	528997	7086452	25/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000070
1321486	CHA	07V	527647	7084255	24/06/2012	Subtle Slope	White Spruce	Thin Moss Cover	DAW12000055
1321487	CHA	07V	526896	7084254	24/06/2012	Pronounced Slope	White Spruce	Thin Moss Cover	DAW12000055
1321488	CHA	07V	526945	7084255	24/06/2012	Pronounced Slope	White Spruce	Thin Moss Cover	DAW12000055
1321489	CHA	07V	527005	7084259	24/06/2012	Pronounced Slope	White Spruce	Thin Moss Cover	DAW12000055
1321490	CHA	07V	527046	7084255	24/06/2012	Pronounced Slope	Alders	Sphagnum Moss < 30cm	DAW12000055
1321491	CHA	07V	527096	7084254	24/06/2012	Pronounced Slope	Alders	Thin Moss Cover	DAW12000055
1321492	CHA	07V	527154	7084248	24/06/2012	Pronounced Slope	Alders	Sphagnum Moss < 30cm	DAW12000055
1321493	CHA	07V	527247	7084255	24/06/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000055
1321494	CHA	07V	527297	7084255	24/06/2012	Pronounced Slope	Willows	Thin Moss Cover	DAW12000055
1321495	CHA	07V	527347	7084254	24/06/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000055
1321496	CHA	07V	527400	7084239	24/06/2012	Steep	White Spruce	Thin Moss Cover	DAW12000055
1321497	CHA	07V	527449	7084255	24/06/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000055
1321498	CHA	07V	527495	7084254	24/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1321499	CHA	07V	527546	7084255	24/06/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000055
1321500	CHA	07V	527596	7084256	24/06/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000055
1321507	CHA	07V	528048	7083958	24/06/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000055
1321528	CHA	07V	527998	7083956	24/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000055
1321529	CHA	07V	527948	7083957	24/06/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000055
1321530	CHA	07V	527896	7083959	24/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000055
1321752	CHA	07V	528146	7084058	24/06/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000055
1321753	CHA	07V	528196	7084061	24/06/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000055
1321754	CHA	07V	528248	7084055	24/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000055
1322002	CHA	07V	529196	7086254	25/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000070
1322003	CHA	07V	529247	7086253	25/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000070
1322004	CHA	07V	529298	7086254	25/06/2012	Subtle Slope	Alders	Grass Cover	DAW12000070
1322005	CHA	07V	529350	7086254	25/06/2012	Subtle Slope	Alders	Grass Cover	DAW12000070
1322006	CHA	07V	529399	7086254	25/06/2012	Subtle Slope	Alders	Grass Cover	DAW12000070
1322007	CHA	07V	529451	7086254	25/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000070
1322008	CHA	07V	529499	7086255	25/06/2012	Subtle Slope	Dwarf Birch	Rock Cover	DAW12000070
1322009	CHA	07V	529547	7086254	25/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000070
1322010	CHA	07V	529598	7086254	25/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000070
1322011	CHA	07V	529647	7086254	25/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000070
1322012	CHA	07V	529697	7086255	25/06/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000070
1322013	CHA	07V	529748	7086254	25/06/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000070
1322252	CHA	07V	527447	7083856	24/06/2012	Pronounced Slope	Alders	Leaf Cover	DAW12000055
1322253	CHA	07V	527498	7083856	24/06/2012	Pronounced Slope	Alders	Grass Cover	DAW12000055
1322254	CHA	07V	527547	7083856	24/06/2012	Pronounced Slope	Alders	Grass Cover	DAW12000055
1322255	CHA	07V	527598	7083857	24/06/2012	Pronounced Slope	Poplar	Leaf Cover	DAW12000055
1322256	CHA	07V	527647	7083857	24/06/2012	Subtle Slope	Dwarf Birch	Leaf Cover	DAW12000055
1322257	CHA	07V	527696	7083856	24/06/2012	Pronounced Slope	Poplar	Leaf Cover	DAW12000055
1322258	CHA	07V	527746	7083856	24/06/2012	Pronounced Slope	Poplar	Leaf Cover	DAW12000055
1322259	CHA	07V	527796	7083856	24/06/2012	Pronounced Slope	Poplar	Leaf Cover	DAW12000055
1322260	CHA	07V	527847	7083856	24/06/2012	Pronounced Slope	Dwarf Birch	Leaf Cover	DAW12000055
1322261	CHA	07V	527898	7083856	24/06/2012	Pronounced Slope	Poplar	Leaf Cover	DAW12000055
1322262	CHA	07V	527947	7083857	24/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1322263	CHA	07V	527999	7083857	24/06/2012	Pronounced Slope	Dwarf Birch	Leaf Cover	DAW12000055
1322264	CHA	07V	528048	7083857	24/06/2012	Pronounced Slope	Dwarf Birch	Leaf Cover	DAW12000055
1322265	CHA	07V	528098	7083856	24/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000055
1322266	CHA	07V	528149	7083857	24/06/2012	Pronounced Slope	Poplar	Leaf Cover	DAW12000055
1322267	CHA	07V	528198	7083856	24/06/2012	Pronounced Slope	Poplar	Leaf Cover	DAW12000055
1322268	CHA	07V	528249	7083856	24/06/2012	Subtle Slope	Poplar	Grass Cover	DAW12000055
1322269	CHA	07V	528246	7086353	25/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000070
1322270	CHA	07V	528296	7086353	25/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000070
1322271	CHA	07V	528345	7086353	25/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000070
1322272	CHA	07V	528399	7086353	25/06/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000070
1322273	CHA	07V	528447	7086353	25/06/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000070
1322274	CHA	07V	528496	7086352	25/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000070
1322275	CHA	07V	528546	7086354	25/06/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000070
1322276	CHA	07V	528546	7086354	25/06/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000070
1322277	CHA	07V	528596	7086353	25/06/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000070
1322278	CHA	07V	528647	7086353	25/06/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000070

Sample ID	Project ID	UTM Zone	Easting	Northing	Sample Date	Site Slope	Site Vegetation	Site Cover	Remarks
1322279	CHA	07V	528696	7086354	25/06/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000070
1322280	CHA	07V	528748	7086353	25/06/2012	Steep	No Tree Cover	Grass Cover	DAW12000070
1322281	CHA	07V	528796	7086353	25/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000070
1322282	CHA	07V	528847	7086353	25/06/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000070
1322283	CHA	07V	528898	7086354	25/06/2012	Pronounced Slope	White Spruce	Grass Cover	DAW12000070
1322284	CHA	07V	528948	7086352	25/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000070
1322285	CHA	07V	528997	7086354	25/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000070
1322286	CHA	07V	529046	7086353	25/06/2012	Pronounced Slope	Willows	Grass Cover	DAW12000070
1322287	CHA	07V	529097	7086353	25/06/2012	Steep	Dwarf Birch	Grass Cover	DAW12000070
1322288	CHA	07V	529145	7086353	25/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000070
1322289	CHA	07V	529196	7086355	25/06/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000070
1322290	CHA	07V	529249	7086353	25/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000070
1322291	CHA	07V	529297	7086352	25/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000070
1322292	CHA	07V	529348	7086353	25/06/2012	Subtle Slope	Alders	Thin Moss Cover	DAW12000070
1322293	CHA	07V	529396	7086353	25/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000070
1322294	CHA	07V	529448	7086354	25/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000070
1322295	CHA	07V	529499	7086354	25/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000070
1322296	CHA	07V	529547	7086353	25/06/2012	Subtle Slope	Willows	Thin Moss Cover	DAW12000070
1322297	CHA	07V	529598	7086353	25/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000070
1322298	CHA	07V	529647	7086354	25/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000070
1322299	CHA	07V	529698	7086354	25/06/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000070
1322300	CHA	07V	529747	7086354	25/06/2012	Subtle Slope	Dwarf Birch	Leaf Cover	DAW12000070
1365543	CHA	07V	528198	7084656	20/08/2012	Pronounced Slope	Alders	Grass Cover	DAW12000260
1365544	CHA	07V	528147	7084655	20/08/2012	Pronounced Slope	Alders	Grass Cover	DAW12000260
1365545	CHA	07V	528098	7084656	20/08/2012	Pronounced Slope	Alders	Grass Cover	DAW12000260
1365546	CHA	07V	528046	7084655	20/08/2012	Subtle Slope	Alders	Thin Moss Cover	DAW12000260
1365547	CHA	07V	527996	7084656	20/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1365548	CHA	07V	527948	7084656	20/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1365549	CHA	07V	527895	7084656	20/08/2012	Subtle Slope	No Tree Cover	Grass Cover	DAW12000260
1365550	CHA	07V	527845	7084655	20/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1365552	CHA	07V	527795	7084655	20/08/2012	Subtle Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000260
1365553	CHA	07V	527744	7084654	20/08/2012	Pronounced Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000260
1365554	CHA	07V	527698	7084656	20/08/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000260
1365555	CHA	07V	527648	7084654	20/08/2012	Subtle Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000260
1365556	CHA	07V	527598	7084655	20/08/2012	Pronounced Slope	Willows	Grass Cover	DAW12000260
1365557	CHA	07V	527549	7084654	20/08/2012	Pronounced Slope	Willows	Grass Cover	DAW12000260
1365558	CHA	07V	527499	7084654	20/08/2012	Pronounced Slope	Alders	Grass Cover	DAW12000260
1365559	CHA	07V	527448	7084655	20/08/2012	Pronounced Slope	Alders	Grass Cover	DAW12000260
1365560	CHA	07V	527399	7084654	20/08/2012	Pronounced Slope	Alders	Grass Cover	DAW12000260
1365561	CHA	07V	527350	7084655	20/08/2012	Pronounced Slope	Alders	Grass Cover	DAW12000260
1365562	CHA	07V	527248	7084654	20/08/2012	Pronounced Slope	Alders	Grass Cover	DAW12000260
1365563	CHA	07V	527199	7084655	20/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000260
1365564	CHA	07V	527148	7084656	20/08/2012	Pronounced Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000260
1365565	CHA	07V	527096	7084656	20/08/2012	Pronounced Slope	Alders	Reindeer Moss	DAW12000260
1365566	CHA	07V	527047	7084653	20/08/2012	Pronounced Slope	Black Spruce	Reindeer Moss	DAW12000260
1365567	CHA	07V	526999	7084654	20/08/2012	Steep	Black Spruce	Reindeer Moss	DAW12000260
1365568	CHA	07V	526946	7084654	20/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000260
1365569	CHA	07V	526898	7084655	20/08/2012	Subtle Slope	Black Spruce	Reindeer Moss	DAW12000260
1365570	CHA	07V	526847	7084655	20/08/2012	Subtle Slope	Black Spruce	Reindeer Moss	DAW12000260
1365571	CHA	07V	526796	7084654	20/08/2012	Subtle Slope	Black Spruce	Reindeer Moss	DAW12000260
1365572	CHA	07V	526747	7084654	20/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000260
1365626	CHA	07V	528200	7084959	21/08/2012	Subtle Slope	Willows	Thin Moss Cover	DAW12000268
1365627	CHA	07V	528148	7084954	21/08/2012	Subtle Slope	Willows	Grass Cover	DAW12000268
1365628	CHA	07V	528097	7084954	21/08/2012	Subtle Slope	Willows	Sphagnum Moss < 30cm	DAW12000268
1365629	CHA	07V	528046	7084952	21/08/2012	Subtle Slope	Willows	Thin Moss Cover	DAW12000268
1365630	CHA	07V	527997	7084955	21/08/2012	Subtle Slope	Willows	Sphagnum Moss > 30cm	DAW12000268
1365631	CHA	07V	527948	7084954	21/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1365632	CHA	07V	527897	7084953	21/08/2012	Subtle Slope	White Spruce	Reindeer Moss	DAW12000268
1365633	CHA	07V	527847	7084954	21/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1365634	CHA	07V	527796	7084953	21/08/2012	Subtle Slope	Alders	Grass Cover	DAW12000268
1365635	CHA	07V	527746	7084954	21/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1365636	CHA	07V	527696	7084953	21/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1365637	CHA	07V	527645	7084954	21/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1365638	CHA	07V	527597	7084953	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss > 30cm	DAW12000268
1365639	CHA	07V	527548	7084953	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss > 30cm	DAW12000268
1365640	CHA	07V	527498	7084953	21/08/2012	Subtle Slope	Black Spruce	Reindeer Moss	DAW12000268
1365641	CHA	07V	527447	7084953	21/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss > 30cm	DAW12000268
1365642	CHA	07V	527396	7084953	21/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1365643	CHA	07V	527347	7084952	21/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1365644	CHA	07V	527297	7084952	21/08/2012	Subtle Slope	Black Spruce	Reindeer Moss	DAW12000268
1365645	CHA	07V	527247	7084953	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1365646	CHA	07V	527196	7084954	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1365647	CHA	07V	527147	7084955	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss > 30cm	DAW12000268
1365648	CHA	07V	527096	7084953	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1365649	CHA	07V	527046	7084953	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000268

Sample ID	Project ID	UTM Zone	Easting	Northing	Sample Date	Site Slope	Site Vegetation	Site Cover	Remarks
1365650	CHA	07V	526997	7084954	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss > 30cm	DAW12000268
1365652	CHA	07V	526946	7084955	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss > 30cm	DAW12000268
1365653	CHA	07V	526896	7084953	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1365654	CHA	07V	526847	7084953	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1365655	CHA	07V	526796	7084953	21/08/2012	Pronounced Slope	Black Spruce	Sphagnum Moss > 30cm	DAW12000268
1365656	CHA	07V	526744	7084953	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss > 30cm	DAW12000268
1365702	CHA	07V	528198	7084455	20/08/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000260
1365703	CHA	07V	528147	7084455	20/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000260
1365704	CHA	07V	528098	7084456	20/08/2012	Pronounced Slope	Willows	Grass Cover	DAW12000260
1365705	CHA	07V	528048	7084457	20/08/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000260
1365706	CHA	07V	527996	7084454	20/08/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000260
1365707	CHA	07V	527947	7084457	20/08/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000260
1365708	CHA	07V	527896	7084456	20/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1365709	CHA	07V	527847	7084454	20/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1365710	CHA	07V	527796	7084457	20/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1365711	CHA	07V	527745	7084458	20/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1365712	CHA	07V	527696	7084457	20/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1365713	CHA	07V	527646	7084456	20/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000260
1365714	CHA	07V	527596	7084455	20/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000260
1365715	CHA	07V	527545	7084454	20/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000260
1365716	CHA	07V	527497	7084455	20/08/2012	Pronounced Slope	Dwarf Birch	Rock Cover	DAW12000260
1365717	CHA	07V	527448	7084455	20/08/2012	Pronounced Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000260
1365718	CHA	07V	527398	7084457	20/08/2012	Pronounced Slope	Alders	Sphagnum Moss < 30cm	DAW12000260
1365719	CHA	07V	527347	7084454	20/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000260
1365720	CHA	07V	527297	7084455	20/08/2012	Pronounced Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000260
1365721	CHA	07V	527247	7084458	20/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss > 30cm	DAW12000260
1365722	CHA	07V	527198	7084455	20/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1365723	CHA	07V	527146	7084455	20/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1365724	CHA	07V	528246	7085954	21/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000268
1365725	CHA	07V	528246	7085954	21/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000268
1365726	CHA	07V	527097	7084457	20/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000260
1365727	CHA	07V	527047	7084456	20/08/2012	Steep	Black Spruce	Sphagnum Moss < 30cm	DAW12000260
1365728	CHA	07V	526997	7084456	20/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000260
1365729	CHA	07V	526947	7084454	20/08/2012	Steep	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000260
1365730	CHA	07V	526896	7084456	20/08/2012	Pronounced Slope	No Tree Cover	Reindeer Moss	DAW12000260
1365731	CHA	07V	528496	7085953	21/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000268
1365732	CHA	07V	526846	7084450	20/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000260
1365733	CHA	07V	526797	7084454	20/08/2012	Pronounced Slope	Willows	Bare Soil	DAW12000260
1365734	CHA	07V	526746	7084457	20/08/2012	Pronounced Slope	Black Spruce	Thin Moss Cover	DAW12000260
1365735	CHA	07V	528295	7085955	21/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000268
1365736	CHA	07V	528346	7085951	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1365737	CHA	07V	528397	7085953	21/08/2012	Subtle Slope	Willows	Grass Cover	DAW12000268
1365738	CHA	07V	528446	7085954	21/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000268
1365739	CHA	07V	528547	7085953	21/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000268
1365740	CHA	07V	528597	7085952	21/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000268
1365741	CHA	07V	528646	7085953	21/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000268
1365742	CHA	07V	528698	7085955	21/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000268
1365743	CHA	07V	528747	7085955	21/08/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000268
1365744	CHA	07V	528798	7085952	21/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1365745	CHA	07V	528847	7085953	21/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000268
1365746	CHA	07V	528898	7085954	21/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000268
1365747	CHA	07V	528947	7085954	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1365748	CHA	07V	528997	7085953	21/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1365749	CHA	07V	529047	7085953	21/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1365750	CHA	07V	529096	7085952	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1366392	CHA	07V	528198	7084356	20/08/2012	Pronounced Slope	Dwarf Birch	Needle Cover	DAW12000260
1366393	CHA	07V	528147	7084356	20/08/2012	Pronounced Slope	Dwarf Birch	Leaf Cover	DAW12000260
1366394	CHA	07V	528097	7084355	20/08/2012	Pronounced Slope	Willows	Grass Cover	DAW12000260
1366395	CHA	07V	528046	7084356	20/08/2012	Steep	Willows	Thin Moss Cover	DAW12000260
1366396	CHA	07V	527997	7084356	20/08/2012	Pronounced Slope	Dwarf Birch	Leaf Cover	DAW12000260
1366397	CHA	07V	527896	7084356	20/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1366398	CHA	07V	527846	7084355	20/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000260
1366399	CHA	07V	527797	7084355	20/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1366400	CHA	07V	527744	7084356	20/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000260
1366402	CHA	07V	527695	7084356	20/08/2012	Subtle Slope	No Tree Cover	Leaf Cover	DAW12000260
1366403	CHA	07V	527645	7084356	20/08/2012	Pronounced Slope	No Tree Cover	Leaf Cover	DAW12000260
1366404	CHA	07V	527595	7084356	20/08/2012	Pronounced Slope	No Tree Cover	Leaf Cover	DAW12000260
1366405	CHA	07V	527545	7084356	20/08/2012	Pronounced Slope	No Tree Cover	Leaf Cover	DAW12000260
1366406	CHA	07V	527497	7084355	20/08/2012	Steep	Willows	Sphagnum Moss < 30cm	DAW12000260
1366407	CHA	07V	527448	7084356	20/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000260
1366408	CHA	07V	527397	7084356	20/08/2012	Steep	Willows	Rock Cover	DAW12000260
1366409	CHA	07V	527347	7084355	20/08/2012	Steep	No Tree Cover	Sphagnum Moss < 30cm	DAW12000260
1366410	CHA	07V	527297	7084355	20/08/2012	Steep	No Tree Cover	Thin Moss Cover	DAW12000260
1366411	CHA	07V	527247	7084356	20/08/2012	Pronounced Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000260
1366412	CHA	07V	527197	7084355	20/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000260

Sample ID	Project ID	UTM Zone	Easting	Northing	Sample Date	Site Slope	Site Vegetation	Site Cover	Remarks
1366413	CHA	07V	527147	7084356	20/08/2012	Steep	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000260
1366414	CHA	07V	527097	7084355	20/08/2012	Steep	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000260
1366415	CHA	07V	527047	7084355	20/08/2012	Steep	Black Spruce	Sphagnum Moss < 30cm	DAW12000260
1366416	CHA	07V	526996	7084355	20/08/2012	Steep	Alders	Sphagnum Moss < 30cm	DAW12000260
1366417	CHA	07V	526946	7084355	20/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1366418	CHA	07V	526845	7084356	20/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000260
1366419	CHA	07V	526796	7084356	20/08/2012	Pronounced Slope	Alders	Sphagnum Moss < 30cm	DAW12000260
1366420	CHA	07V	526746	7084355	20/08/2012	Pronounced Slope	No Tree Cover	Reindeer Moss	DAW12000260
1366712	CHA	07V	528197	7084556	20/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000260
1366713	CHA	07V	528146	7084556	20/08/2012	Pronounced Slope	White Spruce	Sphagnum Moss < 30cm	DAW12000260
1366714	CHA	07V	528096	7084556	20/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000260
1366715	CHA	07V	528047	7084555	20/08/2012	Pronounced Slope	White Spruce	Sphagnum Moss < 30cm	DAW12000260
1366716	CHA	07V	527996	7084556	20/08/2012	Pronounced Slope	Willows	Reindeer Moss	DAW12000260
1366717	CHA	07V	527946	7084555	20/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1366718	CHA	07V	527896	7084555	20/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1366719	CHA	07V	527846	7084556	20/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1366720	CHA	07V	527795	7084555	20/08/2012	Pronounced Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000260
1366721	CHA	07V	527745	7084556	20/08/2012	Pronounced Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000260
1366722	CHA	07V	527695	7084555	20/08/2012	Pronounced Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000260
1366723	CHA	07V	527645	7084555	20/08/2012	Pronounced Slope	White Spruce	Thin Moss Cover	DAW12000260
1366724	CHA	07V	527495	7084555	20/08/2012	Pronounced Slope	Alders	Sphagnum Moss < 30cm	DAW12000260
1366725	CHA	07V	527495	7084555	20/08/2012	Pronounced Slope	Alders	Sphagnum Moss < 30cm	DAW12000260
1366726	CHA	07V	527596	7084555	20/08/2012	Pronounced Slope	White Spruce	Thin Moss Cover	DAW12000260
1366727	CHA	07V	527545	7084555	20/08/2012	Pronounced Slope	White Spruce	Sphagnum Moss < 30cm	DAW12000260
1366728	CHA	07V	527448	7084555	20/08/2012	Pronounced Slope	Alders	Grass Cover	DAW12000260
1366729	CHA	07V	527398	7084555	20/08/2012	Pronounced Slope	White Spruce	Sphagnum Moss < 30cm	DAW12000260
1366730	CHA	07V	527349	7084555	20/08/2012	Pronounced Slope	Alders	Reindeer Moss	DAW12000260
1366731	CHA	07V	527298	7084554	20/08/2012	Pronounced Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000260
1366732	CHA	07V	527247	7084554	20/08/2012	Pronounced Slope	Willows	Reindeer Moss	DAW12000260
1366733	CHA	07V	527198	7084555	20/08/2012	Pronounced Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000260
1366734	CHA	07V	527147	7084555	20/08/2012	Pronounced Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000260
1366735	CHA	07V	527096	7084554	20/08/2012	Pronounced Slope	White Spruce	Reindeer Moss	DAW12000260
1366736	CHA	07V	527047	7084556	20/08/2012	Pronounced Slope	No Tree Cover	Reindeer Moss	DAW12000260
1366737	CHA	07V	526998	7084555	20/08/2012	Pronounced Slope	Alders	Reindeer Moss	DAW12000260
1366738	CHA	07V	526948	7084556	20/08/2012	Pronounced Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000260
1366739	CHA	07V	526897	7084554	20/08/2012	Pronounced Slope	Black Spruce	Reindeer Moss	DAW12000260
1366740	CHA	07V	526847	7084554	20/08/2012	Pronounced Slope	Black Spruce	Reindeer Moss	DAW12000260
1366741	CHA	07V	526796	7084555	20/08/2012	Pronounced Slope	Black Spruce	Reindeer Moss	DAW12000260
1366742	CHA	07V	526746	7084555	20/08/2012	Pronounced Slope	Black Spruce	Reindeer Moss	DAW12000260
1366743	CHA	07V	528247	7085854	21/08/2012	Pronounced Slope	No Tree Cover	Reindeer Moss	DAW12000269
1366744	CHA	07V	528296	7085854	21/08/2012	Pronounced Slope	No Tree Cover	Reindeer Moss	DAW12000269
1366745	CHA	07V	528347	7085853	21/08/2012	Pronounced Slope	No Tree Cover	Reindeer Moss	DAW12000269
1366746	CHA	07V	528396	7085854	21/08/2012	Pronounced Slope	No Tree Cover	Reindeer Moss	DAW12000269
1366747	CHA	07V	528448	7085854	21/08/2012	Pronounced Slope	Willows	Grass Cover	DAW12000269
1366748	CHA	07V	528497	7085854	21/08/2012	Pronounced Slope	Willows	Grass Cover	DAW12000269
1366749	CHA	07V	528548	7085853	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1366750	CHA	07V	528597	7085854	21/08/2012	Pronounced Slope	Willows	Sphagnum Moss < 30cm	DAW12000269
1369252	CHA	07V	527397	7085054	21/08/2012	Subtle Slope	Black Spruce	Reindeer Moss	DAW12000268
1369253	CHA	07V	527347	7085055	21/08/2012	Pronounced Slope	Black Spruce	Reindeer Moss	DAW12000268
1369254	CHA	07V	527297	7085054	21/08/2012	Pronounced Slope	Dwarf Birch	Leaf Cover	DAW12000268
1369255	CHA	07V	527246	7085054	21/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000268
1369256	CHA	07V	527197	7085055	21/08/2012	Subtle Slope	Black Spruce	Reindeer Moss	DAW12000268
1369257	CHA	07V	527146	7085054	21/08/2012	Pronounced Slope	Black Spruce	Reindeer Moss	DAW12000268
1369258	CHA	07V	527097	7085054	21/08/2012	Subtle Slope	Black Spruce	Reindeer Moss	DAW12000268
1369259	CHA	07V	527048	7085054	21/08/2012	Pronounced Slope	Dwarf Birch	Reindeer Moss	DAW12000268
1369260	CHA	07V	526996	7085054	21/08/2012	Pronounced Slope	Dwarf Birch	Reindeer Moss	DAW12000268
1369261	CHA	07V	526945	7085055	21/08/2012	Pronounced Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1369262	CHA	07V	526896	7085054	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1369263	CHA	07V	526846	7085054	21/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000268
1369264	CHA	07V	526796	7085054	21/08/2012	Pronounced Slope	Black Spruce	Reindeer Moss	DAW12000268
1369265	CHA	07V	526752	7085058	21/08/2012	Subtle Slope	Black Spruce	Reindeer Moss	DAW12000268
1369266	CHA	07V	528247	7086053	22/08/2012	Pronounced Slope	Subalpine Fir	Reindeer Moss	DAW12000278
1369267	CHA	07V	528295	7086054	22/08/2012	Subtle Slope	Willows	Thin Moss Cover	DAW12000278
1369268	CHA	07V	528347	7086053	22/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000278
1369269	CHA	07V	528398	7086053	22/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000278
1369270	CHA	07V	528445	7086053	22/08/2012	Pronounced Slope	Dwarf Birch	Leaf Cover	DAW12000278
1369271	CHA	07V	528496	7086054	22/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000278
1369272	CHA	07V	528547	7086054	22/08/2012	Pronounced Slope	Dwarf Birch	Leaf Cover	DAW12000278
1369273	CHA	07V	528597	7086053	22/08/2012	Pronounced Slope	Dwarf Birch	Rock Cover	DAW12000278
1369274	CHA	07V	528647	7086053	22/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000278
1369502	CHA	07V	528206	7084750	20/08/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000260
1369503	CHA	07V	528147	7084757	20/08/2012	Subtle Slope	No Tree Cover	Grass Cover	DAW12000260
1369504	CHA	07V	528096	7084753	20/08/2012	Subtle Slope	No Tree Cover	Grass Cover	DAW12000260
1369505	CHA	07V	528050	7084759	20/08/2012	Subtle Slope	No Tree Cover	Grass Cover	DAW12000260
1369506	CHA	07V	527998	7084756	20/08/2012	Subtle Slope	No Tree Cover	Grass Cover	DAW12000260

Sample ID	Project ID	UTM Zone	Easting	Northing	Sample Date	Site Slope	Site Vegetation	Site Cover	Remarks
1369507	CHA	07V	527946	7084753	20/08/2012	Subtle Slope	No Tree Cover	Reindeer Moss	DAW12000260
1369508	CHA	07V	527898	7084752	20/08/2012	Subtle Slope	No Tree Cover	Grass Cover	DAW12000260
1369509	CHA	07V	527848	7084751	20/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1369510	CHA	07V	527797	7084753	20/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1369511	CHA	07V	527747	7084752	20/08/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000260
1369512	CHA	07V	527697	7084751	20/08/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000260
1369513	CHA	07V	527646	7084754	20/08/2012	Pronounced Slope	No Tree Cover	Reindeer Moss	DAW12000260
1369514	CHA	07V	527591	7084751	20/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000260
1369515	CHA	07V	527547	7084737	20/08/2012	Subtle Slope	No Tree Cover	Grass Cover	DAW12000260
1369516	CHA	07V	527492	7084757	20/08/2012	Subtle Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000260
1369517	CHA	07V	527446	7084754	20/08/2012	Subtle Slope	No Tree Cover	Grass Cover	DAW12000260
1369518	CHA	07V	527396	7084752	20/08/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000260
1369519	CHA	07V	527348	7084756	20/08/2012	Pronounced Slope	White Spruce	Reindeer Moss	DAW12000260
1369520	CHA	07V	527297	7084757	20/08/2012	Pronounced Slope	Dwarf Birch	Reindeer Moss	DAW12000260
1369521	CHA	07V	527246	7084757	20/08/2012	Pronounced Slope	Dwarf Birch	Reindeer Moss	DAW12000260
1369522	CHA	07V	527197	7084750	20/08/2012	Pronounced Slope	Dwarf Birch	Reindeer Moss	DAW12000260
1369523	CHA	07V	527147	7084753	20/08/2012	Subtle Slope	Alders	Thin Moss Cover	DAW12000260
1369524	CHA	07V	527097	7084754	20/08/2012	Subtle Slope	No Tree Cover	Reindeer Moss	DAW12000260
1369525	CHA	07V	527097	7084754	20/08/2012	Subtle Slope	No Tree Cover	Reindeer Moss	DAW12000260
1369526	CHA	07V	527046	7084744	20/08/2012	Flat	Black Spruce	Sphagnum Moss < 30cm	DAW12000260
1369527	CHA	07V	526995	7084744	20/08/2012	Subtle Slope	Black Spruce	Reindeer Moss	DAW12000260
1369528	CHA	07V	526948	7084751	20/08/2012	Subtle Slope	Black Spruce	Reindeer Moss	DAW12000260
1369529	CHA	07V	526892	7084743	20/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000260
1369530	CHA	07V	526845	7084744	20/08/2012	Subtle Slope	Black Spruce	Reindeer Moss	DAW12000260
1369531	CHA	07V	526794	7084748	20/08/2012	Subtle Slope	No Tree Cover	Reindeer Moss	DAW12000260
1369532	CHA	07V	526744	7084755	20/08/2012	Subtle Slope	No Tree Cover	Reindeer Moss	DAW12000260
1369533	CHA	07V	528195	7084854	21/08/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000268
1369534	CHA	07V	528146	7084861	21/08/2012	Subtle Slope	No Tree Cover	Grass Cover	DAW12000268
1369535	CHA	07V	528095	7084859	21/08/2012	Subtle Slope	No Tree Cover	Grass Cover	DAW12000268
1369536	CHA	07V	528042	7084856	21/08/2012	Subtle Slope	No Tree Cover	Grass Cover	DAW12000268
1369537	CHA	07V	527996	7084854	21/08/2012	Subtle Slope	No Tree Cover	Grass Cover	DAW12000268
1369552	CHA	07V	527945	7084856	21/08/2012	Subtle Slope	No Tree Cover	Grass Cover	DAW12000268
1369553	CHA	07V	527895	7084857	21/08/2012	Subtle Slope	No Tree Cover	Grass Cover	DAW12000268
1369554	CHA	07V	527846	7084855	21/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000268
1369555	CHA	07V	527796	7084855	21/08/2012	Pronounced Slope	Alders	Thin Moss Cover	DAW12000268
1369556	CHA	07V	527746	7084857	21/08/2012	Pronounced Slope	Alders	Grass Cover	DAW12000268
1369557	CHA	07V	527697	7084855	21/08/2012	Pronounced Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000268
1369558	CHA	07V	527644	7084855	21/08/2012	Pronounced Slope	No Tree Cover	Reindeer Moss	DAW12000268
1369559	CHA	07V	527594	7084853	21/08/2012	Subtle Slope	No Tree Cover	Reindeer Moss	DAW12000268
1369560	CHA	07V	527543	7084852	21/08/2012	Pronounced Slope	No Tree Cover	Sphagnum Moss < 30cm	DAW12000268
1369561	CHA	07V	527494	7084854	21/08/2012	Subtle Slope	No Tree Cover	Reindeer Moss	DAW12000268
1369563	CHA	07V	527446	7084854	21/08/2012	Subtle Slope	No Tree Cover	Reindeer Moss	DAW12000268
1369564	CHA	07V	527398	7084853	21/08/2012	Subtle Slope	No Tree Cover	Reindeer Moss	DAW12000268
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1369566	CHA	07V	527298	7084853	21/08/2012	Pronounced Slope	Dwarf Birch	Reindeer Moss	DAW12000268
1369567	CHA	07V	527246	7084854	21/08/2012	Pronounced Slope	Dwarf Birch	Reindeer Moss	DAW12000268
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1369569	CHA	07V	527149	7084854	21/08/2012	Subtle Slope	Black Spruce	Reindeer Moss	DAW12000268
1369570	CHA	07V	527098	7084854	21/08/2012	Subtle Slope	No Tree Cover	Reindeer Moss	DAW12000268
1369571	CHA	07V	527046	7084854	21/08/2012	Subtle Slope	No Tree Cover	Grass Cover	DAW12000268
1369572	CHA	07V	526996	7084850	21/08/2012	Subtle Slope	White Spruce	Grass Cover	DAW12000268
1369573	CHA	07V	526947	7084852	21/08/2012	Subtle Slope	White Spruce	Grass Cover	DAW12000268
1369576	CHA	07V	526896	7084852	21/08/2012	Subtle Slope	Black Spruce	Reindeer Moss	DAW12000268
1369577	CHA	07V	526846	7084853	21/08/2012	Subtle Slope	White Spruce	Reindeer Moss	DAW12000268
1369578	CHA	07V	526795	7084855	21/08/2012	Subtle Slope	Poplar	Thin Moss Cover	DAW12000268
1369579	CHA	07V	526746	7084854	21/08/2012	Subtle Slope	White Spruce	Reindeer Moss	DAW12000268
1369582	CHA	07V	528247	7087651	22/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000278
1369583	CHA	07V	528289	7087655	22/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000278
1369584	CHA	07V	528343	7087649	22/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000278
1369585	CHA	07V	528385	7087649	22/08/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000278
1369586	CHA	07V	528447	7087652	22/08/2012	Subtle Slope	No Tree Cover	Rock Cover	DAW12000278
1369587	CHA	07V	528494	7087651	22/08/2012	Subtle Slope	No Tree Cover	Thin Moss Cover	DAW12000278
1369588	CHA	07V	528544	7087649	22/08/2012	Pronounced Slope	No Tree Cover	Reindeer Moss	DAW12000278
1369589	CHA	07V	528595	7087648	22/08/2012	Subtle Slope	No Tree Cover	Reindeer Moss	DAW12000278
1369590	CHA	07V	528645	7087647	22/08/2012	Subtle Slope	No Tree Cover	Reindeer Moss	DAW12000278
1369591	CHA	07V	528694	7087649	22/08/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000278
1369592	CHA	07V	528744	7087651	22/08/2012	Subtle Slope	No Tree Cover	Grass Cover	DAW12000278
1369593	CHA	07V	528792	7087651	22/08/2012	Pronounced Slope	No Tree Cover	Grass Cover	DAW12000278
1369594	CHA	07V	528841	7087652	22/08/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000278
1369595	CHA	07V	528895	7087650	22/08/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000278
1369596	CHA	07V	528946	7087652	22/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000278
1369597	CHA	07V	528995	7087650	22/08/2012	Pronounced Slope	Old Burn	Grass Cover	DAW12000278
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1369599	CHA	07V	529092	7087652	22/08/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000278
1369600	CHA	07V	529143	7087654	22/08/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000278

Sample ID	Project ID	UTM Zone	Eastings	Northing	Sample Date	Site Slope	Site Vegetation	Site Cover	Remarks
1369602	CHA	07V	529195	7087651	22/08/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000278
1369604	CHA	07V	529251	7087651	22/08/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000278
1369605	CHA	07V	529294	7087648	22/08/2012	Subtle Slope	No Tree Cover	Grass Cover	DAW12000278
1369606	CHA	07V	529344	7087653	22/08/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000278
1369607	CHA	07V	529393	7087657	22/08/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000278
1369608	CHA	07V	529445	7087650	22/08/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000278
1369609	CHA	07V	529494	7087654	22/08/2012	Subtle Slope	Alders	Grass Cover	DAW12000278
1369610	CHA	07V	529547	7087651	22/08/2012	Subtle Slope	Alders	Thin Moss Cover	DAW12000278
1369611	CHA	07V	529598	7087648	22/08/2012	Subtle Slope	Willows	Grass Cover	DAW12000278
1369612	CHA	07V	529646	7087651	22/08/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000278
1369613	CHA	07V	529693	7087652	22/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000278
1369614	CHA	07V	529745	7087650	22/08/2012	Subtle Slope	No Tree Cover	Grass Cover	DAW12000278
1395276	CHA	07V	529698	7085953	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1395277	CHA	07V	529749	7085954	21/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000268
1395278	CHA	07V	528245	7086152	22/08/2012	Subtle Slope	Willows	Grass Cover	DAW12000278
1395279	CHA	07V	528297	7086152	22/08/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000278
1395280	CHA	07V	528347	7086153	22/08/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000278
1395281	CHA	07V	528397	7086153	22/08/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000278
1395282	CHA	07V	528447	7086151	22/08/2012	Pronounced Slope	No Tree Cover	Thin Moss Cover	DAW12000278
1395283	CHA	07V	528497	7086154	22/08/2012	Pronounced Slope	No Tree Cover	Rock Cover	DAW12000278
1395284	CHA	07V	528547	7086154	22/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000278
1395285	CHA	07V	528597	7086155	22/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000278
1395286	CHA	07V	528647	7086152	22/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000278
1395287	CHA	07V	528696	7086152	22/08/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000278
1395288	CHA	07V	528749	7086153	22/08/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000278
1395289	CHA	07V	528801	7086154	22/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000278
1395290	CHA	07V	528849	7086151	22/08/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000278
1395291	CHA	07V	528898	7086154	22/08/2012	Pronounced Slope	Dwarf Birch	Thin Moss Cover	DAW12000278
1395292	CHA	07V	528949	7086153	22/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000278
1395293	CHA	07V	528996	7086153	22/08/2012	Pronounced Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000278
1395294	CHA	07V	529046	7086155	22/08/2012	Pronounced Slope	Dwarf Birch	Grass Cover	DAW12000278
1395295	CHA	07V	529096	7086154	22/08/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000278
1395296	CHA	07V	529145	7086153	22/08/2012	Subtle Slope	Alders	Grass Cover	DAW12000278
1395297	CHA	07V	529197	7086152	22/08/2012	Subtle Slope	Alders	Grass Cover	DAW12000278
1395298	CHA	07V	529246	7086156	22/08/2012	Subtle Slope	Willows	Grass Cover	DAW12000278
1395299	CHA	07V	529299	7086153	22/08/2012	Subtle Slope	Dwarf Birch	Grass Cover	DAW12000278
1395300	CHA	07V	529347	7086153	22/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000278
1395352	CHA	07V	529397	7086156	22/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000278
1395353	CHA	07V	529448	7086152	22/08/2012	Subtle Slope	Willows	Leaf Cover	DAW12000278
1395354	CHA	07V	529497	7086153	22/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000278
1395355	CHA	07V	529548	7086156	22/08/2012	Subtle Slope	Dwarf Birch	Thin Moss Cover	DAW12000278
1395356	CHA	07V	529597	7086153	22/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000278
1395357	CHA	07V	529647	7086152	22/08/2012	Subtle Slope	Dwarf Birch	Sphagnum Moss < 30cm	DAW12000278
1395358	CHA	07V	529696	7086152	22/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000278
1395359	CHA	07V	529752	7086152	22/08/2012	Subtle Slope	Black Spruce	Sphagnum Moss < 30cm	DAW12000278

Appendix F – Maps & Figures

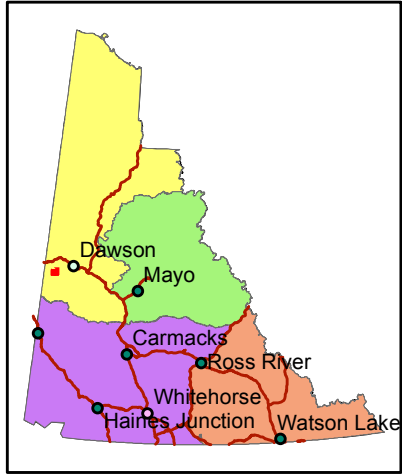


2012 Fifty-Mile Soil Geochemistry

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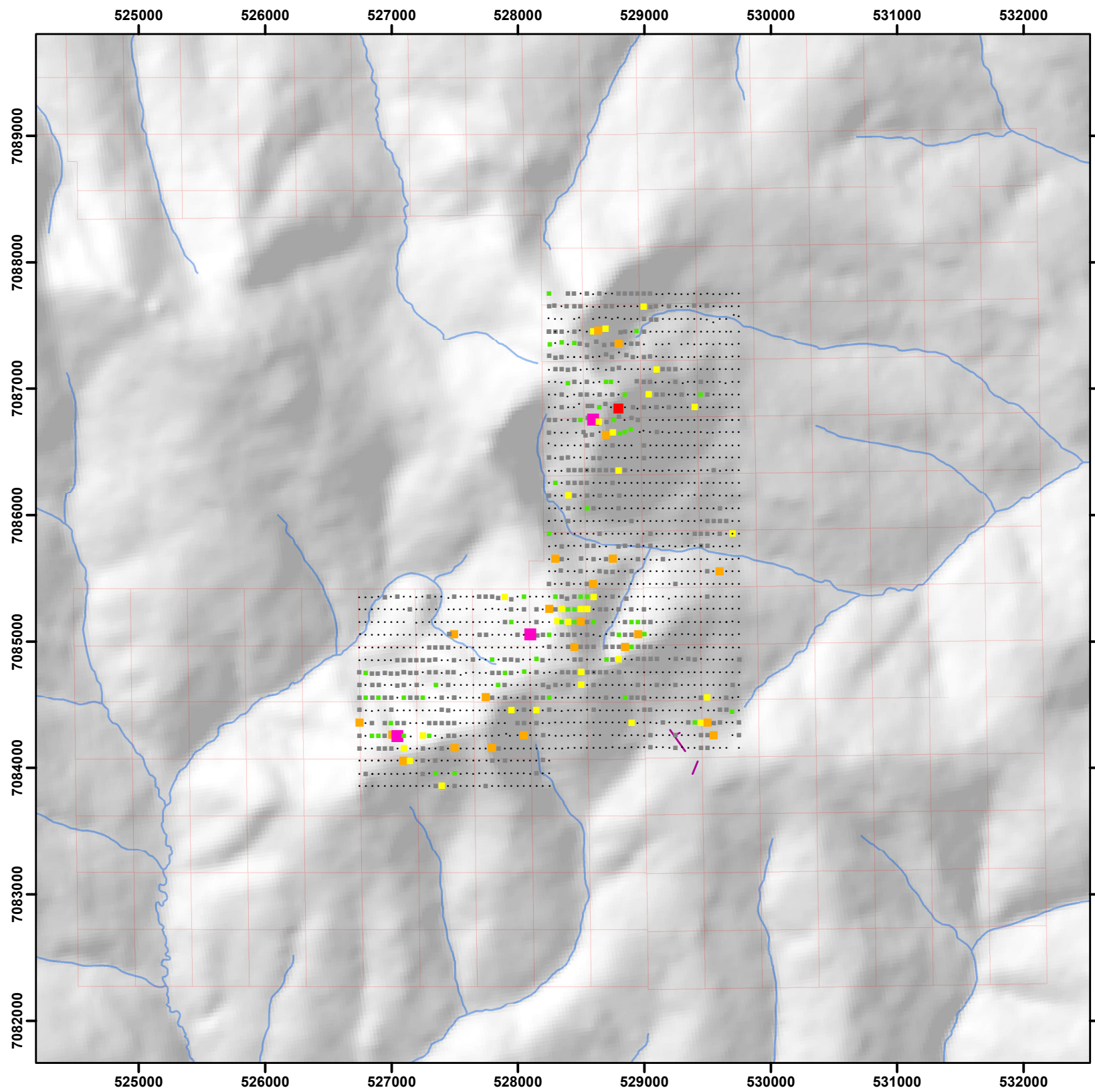
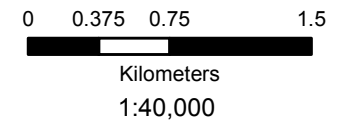
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By: J. L.



LEGEND

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 - 10.1 - 30.0
 - 30.1 - 50.0
 - 50.1 - 100.0
 - 100.1 - 300.0
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 - 500.1 - 1000.0
 - 1000.1 - 5000.0
 - Dawson City
- Dawson Mining District
 - Mayo Mining District
 - Watson Lake Mining District
 - Whitehorse Mining District
- Top Of The World Highway
 - 2011 Trenches
 - Fifty-Mile Claims



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