

Report on the 2012 Geochemical Program Sky Lake Property, Pickle Lake, Ontario

Patricia Mining Division, Ontario

51° 14' N, 90° 39' W

NTS 52O07SE, 52O02NE, 52O02NW

FOR

TRI ORIGIN EXPLORATION LTD.

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1.0 INTRODUCTION AND PROPERTY DESCRIPTION

This report presents the processes and results of the summer 2011 humus and mineral soil sampling programme on two claims (4251408 and 4251409) optioned from Manicouagan Minerals Inc. which are contiguous to Tri Origin's Sky Lake property. Five days were spent collecting 109 humus and 292 mineral soil samples by two geologists and a helper.

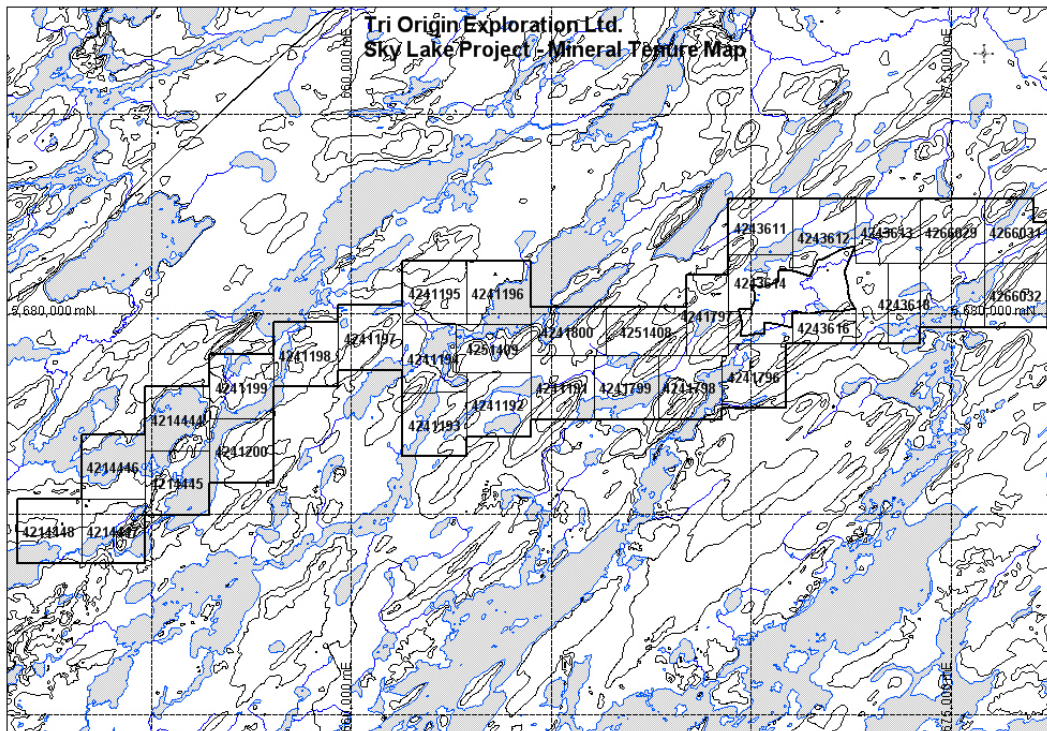
The Sky Lake property lies within three mapping districts of Duffell Lake, Caley Lake, and Matapesatakun Bay Area in the Patricia Mining Division in northern Ontario. The property is located approximately 20 kilometres southwest of the town of Pickle Lake.

FIGURE 1: Property Location



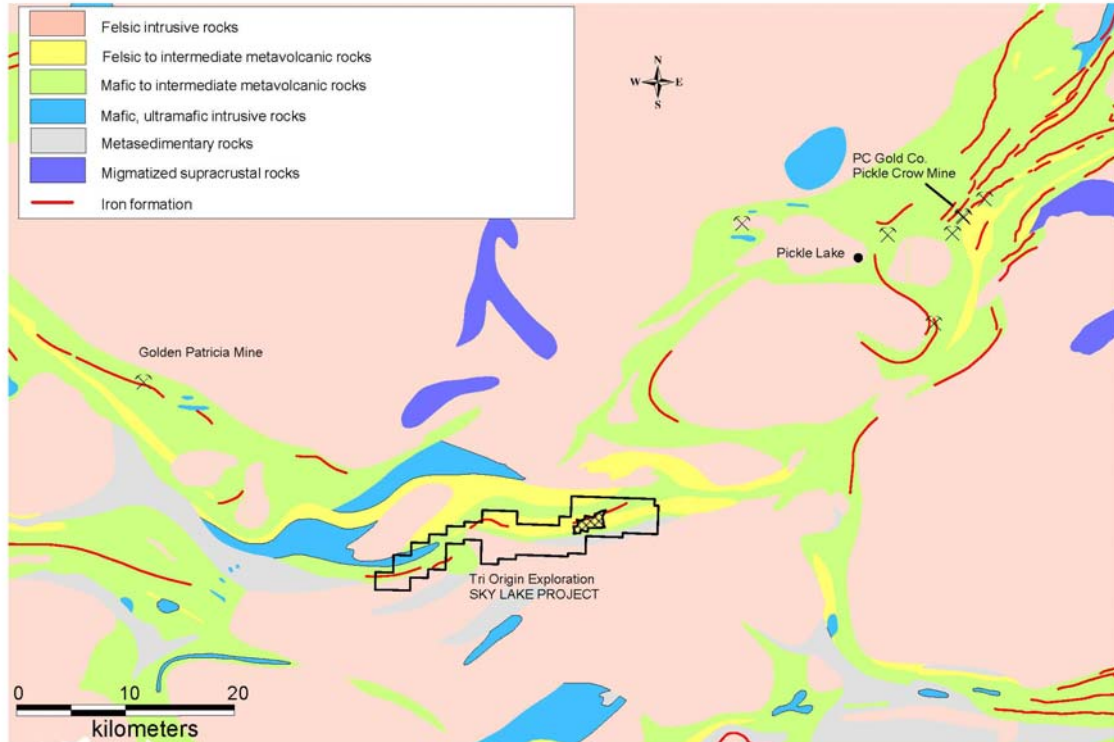
All of the Sky Lake property claims are in one contiguous block with 24 owned 100% by Tri Origin, 8 claims under an option agreement with Kitrinor Metals Inc. and 2 claims held under option agreement with Manicouagan Minerals. The claims cover a prospective area of over 79 square kilometres (7905 hectares) (Figure 2). The claims are listed in Appendix A.

FIGURE 2: Mineral Tenure Map



2.0 REGIONAL GEOLOGY

FIGURE 3: Regional Geology



2.1 PHYSIOGRAPHY AND VEGETATION

Drainage of the property area is southward via Matapesatakun Creek from Bancroft Lake to Lake St. Joseph, 1,227ft. (374 m) above sea level. Maximum relief is in the order of 115ft. (35m) with the highest elevations on southwest trending drumlins in the southwestern portions of the property. Most of the area is overburden covered with low swamps and boulder tills which probably average less than 20 feet in thickness. Outcrop is more common in the central portion of the property.

2.2 REGIONAL GEOLOGY AND ECONOMIC MINERALIZATION (Jolliffe, 1996)

The property is located within the Uchi Subprovince, a part of the Superior Province in the Canadian Shield. The area is characterized by several arcuate, highly deformed and coalescing greenstone belts, consisting of predominantly mafic to intermediate volcanic flows, which have been intruded by numerous granitic to ultramafic intrusive bodies. The metamorphic grade ranges from greenschist to amphibolite facies. The volcanics host subordinate amounts of felsic to mafic pyroclastics, sediments and iron formation. Felsic quartz-feldspar porphyry dykes are commonly found in all lithologies.

Historically, gold production in the Pickle Lake area has been from structurally controlled vein type deposits or sulphide replacement bodies spatially associated with, or contained within, bands of Algoman (chert-magnetite) iron formation. The most important of these were the former producing Pickle Crow and Central Patricia mines (operated from 1935 to 1966 and 1934 to 1951, respectively) which collectively producing 2,068,020 ounces of gold from 4,966,820 tons of ore for an average grade of 0.416 ounces of gold per ton.

The Golden Patricia Mine of Barrick Gold Inc. (approx. 70,000 ounces gold per year) is located about 25 miles west-northwest of the property. The gold mineralization occurs in a quartz vein in a shear zone which cuts through a mafic metavolcanic succession.

Ultramafic rocks host copper-nickel mineralization at the former producing Thierry Mine, seven miles northwest of Pickle Lake, with mined ore and mineral reserves totaling 14,000,000 tons grading 1.6 % copper and 0.2% nickel.

3.0 PROPERTY GEOLOGY

The central portion of the property in proximity to the Koval claims is the area of most abundant outcrop. The area is underlain by a west-southwest trending, vertical to steeply south-dipping assemblage of metavolcanic and metasediments with minor intrusive rocks. The northern 1/3 is dominated by mafic volcanics, mainly massive flows with some pillowed flows and tuffs, along with minor chemical sediments (oxide facies iron formation) and felsic volcanics. A diabase intrusive in the north-central area has been roughly outlined by limited outcrop exposure and previous magnetometer survey. Feldspar porphyry dykes and sills outcrop locally and granitic intrusives have been intersected in drilling. South of the thick northern mafic volcanic unit are intermittently exposed fine clastic metasediments (mainly argillite, siltstone) and felsic volcanics. The central area is underlain by the 'Central Intermediate-Mafic Volcanic1 (CIMV) assemblage comprising intermediate volcanoclastic rocks), enclosed by mafic volcanics to the north (massive flows and tuffs) and south (massive and pillowed flows with pillow breccia) as well as minor intercalated fine clastic metasediments and felsic volcanics. The intermediate volcanic rocks and the iron formation host several historical significant gold zones on the property. On surface the intermediate volcanics hosting the gold zones are characterized by a biotite-calcite matrix and a scalloped weathering pattern. Primary textures are unclear but possible lapilli have been noted locally.

4.0 PREVIOUS WORK

Previous work completed on the claims optioned from Manicouagan Minerals Inc. involved limited geological mapping which returned grab samples containing 1.03g/t Au in an iron formation and 1.37g/t Au in silicified mafic metavocanics (MDI52O02NE00005) on Claim group 4251408. Several short diamond drill holes as indicated by Ontario assessment files were also completed on the claim groups. Four diamond drill holes were completed on claim group 4251409 highlighted by an intersection of 1.4g/t Au in magnetic ironstone (MDI52O02NE00007) by Bond Gold in 1990.

Previous work on the remainder of the Sky Lake Property involved numerous phases of exploration activity as described below.

The first recorded discovery of gold in the Dempster-Pickle Lake belt was made in 1954 by prospector Ben Ohman near Bancroft Lake (Scratch, 1984) on the property now held by Norcanex Ltd.

During 1953-54 the property was optioned to Hasaga Gold Mines Ltd., who performed geological mapping, trenching and diamond drilling. The diamond drill program consisted of 87 drill holes combining to a total length of 6365.8 m. The drill program outlined numerous interesting gold intersections.

In 1960, 28 claims were surveyed and patented over the deposit. They are referred to as the Koval claims and were held by Lac Minerals and have since passed to Barrick Gold Corporation. Lac completed line cutting, geological mapping and magnetic and IP geophysical surveys. In 1996, Moss Resources drilled a total of 808.3m in eight BQ diamond drill holes.

During 1969, Newconex Canadian Exploration conducted ground electromagnetic and geological surveys on their "Ed" claim block at the western end of Tri Origin's present-day claim block. They delineated zones of pyrite.

Other companies have carried out exploration work on the ground immediately adjacent to the Koval claims on the east side:

- Union Minerie Exploration and Mining Corporation Ltd. conducted extensive airborne and ground geophysical surveys and 4465 m of diamond drilling in 1971-1972. One of these holes was collared on the Norcanex property, but all the rest of the work was done to the north and east of the claims which are the subject of the present report. There is no record of any samples having been assayed from that hole.
- In 1983-84 Moss Resources Ltd. conducted geological mapping and magnetic, VLF-em and IP geophysical surveys as well as rock and humus geochemistry. This was followed by a 20 hole, 1522.78 m diamond drill program.
- From July 1 – August 22, 1984 Golden Maverick Resources conducted reconnaissance geological mapping and rock and humus geochemistry. A total of 53 rock samples and 572 humus samples were collected and analyzed for Au, Ag, As, Sb, Mo and Ba. They also carried out limited diamond drilling between 1984 and 1988.

- In September 1988 Bond Gold mapped the area they referred to as the Caley Lake claim block, to the west of the patented Koval claims, and drilled three holes in October of that year. No assay results were reported.
- In November and December of 2009 Tri Origin Exploration contracted Aeroquest to complete 1303.38 line-km of helicopter time domain electromagnetic and magnetics on the Sky Lake property.
- In July 2010 Tri Origin Exploration Ltd. completed a mineral soil and humus survey over sections of the claim group which were determined by interpreting the VTEM data from the Aeroquest survey flown in 2009.
- In July 2010 Tri Origin Exploration Ltd. completed a small mapping and rock geochemistry programme over selected areas of the property as determined by interpreting the VTEM data from the Aeroquest survey flown in 2009.
- In the summer of 2011 Tri Origin Exploration Ltd. completed a mineral soil and humus sample survey on two claims optioned from Manicouagan Minerals Inc. A total of 109 humus and 292 mineral samples were collected. Tri Origin also staked additional contiguous claims to the east of the property.
- In the fall of 2011 Tri Origin Exploration Ltd. completed a 39.3 line kilometer grid. On the established grid 15.8km of detailed IP was completed and 39.3km of ground magnetics.

5.0 2012 EXPLORATION WORK CONDUCTED BY TRI ORIGIN EXPLORATION LTD.

5.1 2012 HUMUS AND MINERAL SOIL SAMPLING PROGRAM

A mineral soil and humus sample survey was completed on the Sky Lake property during the summer of 2012. B-horizon mineral soil and humus samples were collected at each sample site where possible. At sample sites where humus and B horizon material was not present no material was collected.

Surveys were completed on 100m spaced transects determined by known geology and interpretation of geophysical surveys. Navigation was facilitated by using a combination of established stations on a cut grid or in areas where there was no established grid GPS, compass and pace were utilized. Samples were collected at 25 m intervals along these transect lines. All sample collection points were marked with labelled flagging tape and a metal tag which were marked with the corresponding sample number.

The surveys were completed using a 1.25m long 5cm “Eijkelkamp” Dutch hand held soil auger. Samples were placed in Kraft sample bags, which were identified by with a sample number.

UTM (NAD 83 datum Zone 15) co-ordinates were recorded at each sample site with a hand held Garmin GPS Map60Csx or a Garmin GPS 520Hcx. A sample description recorded the colour, vegetation (in the vicinity of the sample site), slope and any other relevant comments at each sample site. This information was then transferred to computer (MapInfo) at the end of each day. Appendix B and C presents the soil sample descriptions and humus sample descriptions respectively. A duplicate sample was collected every twenty-fifth sample over the course of the survey. The duplicate sample was generally collected within 1 metre of the original sample.

At the end of each day a portion of the samples were analysed by Tri Origin staff to determine the pH level of each sample. The analysis of pH was conducted using a Hanna pH Tester 30 handheld pH tester. All pH testers were calibrated using a two point slope calibration prior to analysis everyday or every 100 samples. A small portion of each sample was mixed with distilled water, agitated slightly and the pH test was then taken and recorded. The results are included with the sample descriptions Appendix B and C.

Upon completion of the pH analysis, the samples were then dried by hanging in a dry secure area. Once the samples were dry they were packaged for transport. Samples were then dropped off at Activation Laboratories Thunder Bay facility for preparation and analysis of gold and multielement content.

The method of analysis utilised was dependant on the sample matrix, humus samples were analysed using the instrumental neutron activation analysis (INAA) method while mineral soil samples were analysed using the fire assay/atomic absorption (FA-AA) method for gold content and the base metal content was determined using the argon inductively coupled plasma (AR-ICP) method.

Activation Laboratories sample preparation and procedures are appended in (Appendix D). Activation Laboratories Certificate of Analysis for the soil and humus samples are appended in Appendix E and F respectively.

In total, 346 humus and 433 mineral soil samples were collected over a nine day period from July 28th to August 5th 2012. Sample locations are displayed graphically for soil (Map 1 and 3) and humus (Map 2 and 4). Sample descriptions are appended for soil (Appendix B) and humus (Appendix C).

5.2 INTERPRETATION AND GEOCHEMICAL ANALYTICAL RESULTS

The analytical results obtained through field analysis of pH levels were compiled in a database and displayed graphically (Maps 5 and 6). The pH values were used to identify areas with anomalously low pH in humus/soil. Areas with low pH are thought to correspond to sulphide mineralization in bedrock. Recorded values for pH of the humus samples ranged from a low of 3.87 to a high of 7.84. Recorded values for pH of the soil samples ranged from a low of 4.58 to a high of 7.72.

Gold values for the mineral soils and humus samples collected are displayed graphically (Maps 7, 8, 9 and 10).

6.0 GEOCHEMICAL RESULTS

The 2012 exploration program was conducted on the Sky lake property to help delineate areas that would require follow-up exploration work, and help to identify potential drill targets.

All pH results are shown in Appendix B and C and on Maps 5 and 6. Results of the pH analyses of the mineral soils and humus indicate two trends with lower pH values these pH lows are associated with a large drumlin which strikes NE-SW on the claim groups 4241797 and 4241798. Elevated gold values obtained from the soil sample survey appear to correlate with these lower pH values.

Assay results for the soil samples are appended (Appendix E) and gold values are shown graphically on Maps 7 and 9. Gold values ranged from less than the detection limit (5ppb) to a maximum of 178 ppb. A total of 361 samples were below the detection limit. One sample was above 100ppb. Seventeen samples assayed between 20 and 56 ppb Au.

Assay results for the humus samples are appended (Appendix F) and gold values are shown graphically on Maps 8 and 10. Gold values ranged from less than the detection limit (1ppb) to a maximum of 113 ppb. A total of 311 samples were below the detection limit. Thirty four samples assayed between 1 and 8 ppb.

Several anomalous areas in gold were identified by the Geochemical sample survey, The anomalies appear to trend south-west to north-east, this however is not conclusive as there is limited data.

These areas correlate with previous anomalies identified by earlier surveys.

7.0 RECOMMENDATIONS AND CONCLUSIONS

The geochemical survey completed on the property indicates that this type of survey is very useful in identifying prospective target areas for future work on the property.

It is recommended that drill targets should be selected based on the geochemical and geophysical surveys.

Geochemical surveys should also be completed along strike to the south west and north east of the surveys that have been completed to date. Geological mapping should also be conducted in areas where outcrop was identified by the soil samplers.

8.0 PERSONNEL

Frank Kendle	Contract Geologist Tri Origin Exploration Ltd.	Queensville, Ontario
Peter Canam	Contract Geologist Tri Origin Exploration Ltd.	Pictou, Nova Scotia
Carlin Lentz	Contract Geologist Tri Origin Exploration Ltd.	Fredericton, New Brunswick
Mikael Kimbley	Contract Geologist Tri Origin Exploration Ltd.	Halifax, Nova Scotia
Laura Scaife	Contract Geologist Tri Origin Exploration Ltd.	Orangeville, Ontario

9.0 STATEMENT OF QUALIFICATIONS

I, **Frank Kendle**, of 20648 Leslie St., Queensville, Ontario, L0G 1R0, do hereby certify that:

1. I am a consulting geologist.
2. I graduated with a Bachelor of Science (Geology), from Mount Allison University, in 1988.
3. I have worked as a geologist for a total of 24 years since my graduation from university.
4. I am responsible for the technical report titled "Report on the 2012 Geochemical Program Sky Lake Property, Pickle Lake, Ontario"
5. My knowledge of the property as described herein was obtained by fieldwork.
6. I have no direct interest, nor do I expect to receive any interest in the mining claims that comprise the Sky Lake Property within the townships of Duffell Lake, Caley Lake and Matapesatakun Bay in the Patricia Mining division.
7. I am not aware of any material fact or material change with respect to the subject matter of the Technical Report that is not reflected in the Technical Report, the omission to disclose which makes the Technical Report misleading.
8. I consent to the filing of the Technical Report with any stock exchange and other regulatory authority and any publication by them for regulatory purposes, including electronic publication in the public company files on their websites accessible by the public, of the Technical Report.

Dated this 21st day of January, 2013.



FRANK KENDLE

10.0 REFERENCES

Jolliffe, T.S. 1996. Report on Diamond Drilling, Koval Property, Patricia Mining Division, Northwestern Ontario for Moss Resources, Inc. 90pp. AFRI 52O02NE001.

Scratch, R, 1984. Report on Reconnaissance Geologic Mapping and Humus Sampling of the Golden Maverick Resources Corporation – Bancroft Lake Project currently under option to Kennco Explorations (Canada) Ltd. 87pp. AFRI 52O08SW0019.

APPENDIX A – LIST OF CLAIMS

Claim Number	Township/Area	Ownership
4214444	Duffell Lake	Tri Origin Exploration Ltd.
4214445	Duffell Lake	Tri Origin Exploration Ltd.
4214446	Duffell Lake	Tri Origin Exploration Ltd.
4214447	Duffell Lake	Tri Origin Exploration Ltd.
4214448	Duffell Lake	Tri Origin Exploration Ltd.
4241191	Matapesatakun Bay	Tri Origin Exploration Ltd.
4241192	Matapesatakun Bay	Tri Origin Exploration Ltd.
4241193	Matapesatakun Bay	Tri Origin Exploration Ltd.
4241194	Matapesatakun Bay	Tri Origin Exploration Ltd.
4241195	Caley Lake	Tri Origin Exploration Ltd.
4241196	Caley Lake	Tri Origin Exploration Ltd.
4241197	Caley Lake	Tri Origin Exploration Ltd.
4241198	Matapesatakun Bay	Tri Origin Exploration Ltd.
4241199	Matapesatakun Bay	Tri Origin Exploration Ltd.
4241200	Matapesatakun Bay	Tri Origin Exploration Ltd.
4241796	Matapesatakun Bay	Tri Origin Exploration Ltd.
4241797	Caley Lake	Tri Origin Exploration Ltd.
4241798	Matapesatakun Bay	Tri Origin Exploration Ltd.
4241799	Matapesatakun Bay	Tri Origin Exploration Ltd.
4241800	Matapesatakun Bay	Tri Origin Exploration Ltd.
4243611	Caley Lake	Kitrinor Metals Inc.
4243612	Caley Lake	Kitrinor Metals Inc.
4243613	Caley Lake	Kitrinor Metals Inc.
4243614	Caley Lake	Kitrinor Metals Inc.
4243615	Matapesatakun Bay	Kitrinor Metals Inc.
4243616	Caley Lake	Kitrinor Metals Inc.
4243617	Caley Lake	Kitrinor Metals Inc.
4243618	Matapesatakun Bay	Kitrinor Metals Inc.
4251408	Matapesatakun Bay	Manicouagan Minerals Inc.
4251409	Matapesatakun Bay	Manicouagan Minerals Inc.
4266029	Little Ochig Lake	Tri Origin Exploration Ltd.
4266030	Little Ochig Lake	Tri Origin Exploration Ltd.
4266031	Little Ochig Lake	Tri Origin Exploration Ltd.
4266032	Little Ochig Lake	Tri Origin Exploration Ltd.

APPENDIX B
SOIL SAMPLE DESCRIPTION with Ph VALUES
(UTM Co-ordinates are in NAD83 Zone 15)

Sky Lake Property
2012 Soil Sample Descriptions

Certificate	Sample_Tag#	Field_Sample_#	Easting	Northing	Location	Altitude	Description	pH
A12-08440		252103	669203	5679794		397	Drumlin, Spruce/Moss	5.21
A12-08440		252104	669194	5679772		405	Drumlin, Spruce/Moss	5.07
A12-08440		252105	669194	5679756		408	Drumlin, Spruce/Birch/Moss	5.81
A12-08440		252106	669198	5679718		405	Drumlin, Spruce/Birch/Moss	5.18
A12-08440		252107	669195	5679578		406	Drumlin, Spruce/Birch	5.16
A12-08440		252108	669200	5679550		407	Drumlin, Spruce/Birch	5.32
A12-08440		252109	669194	5679529		410	Drumlin, Spruce/Birch	5.98
A12-08440		252110	669197	5679494		415	Drumlin, Spruce/Birch	6.06
A12-08440		252111	669193	5679472		412	Drumlin, Spruce/Birch	5.41
A12-08440		252112	669197	5679442		409	Drumlin, Spruce/Birch	5.05
A12-08440		252113	669196	5679424		412	Drumlin, Spruce/Birch	5.77
A12-08440		252114	669188	5679397		418	Drumlin, Spruce/Birch	5.61
A12-08440		252115	669195	5679371		412	Drumlin, Spruce/Birch	5.03
A12-08440		252116	669195	5679347		419	Drumlin, Spruce/Birch	5.93
A12-08440		252117	669196	5679330		428	Drumlin, Spruce/Birch	5.24
A12-08440		252118	669196	5679302		418	Drumlin, Spruce/Birch	5.53
A12-08440		252119	669200	5679266		427	Drumlin, Spruce/Birch	5.53
A12-08440		252120	669192	5679248		411	Drumlin, Spruce/Birch	5.6
A12-08440		252121	669193	5679225		412	Drumlin, Spruce/Birch	5.57
A12-08440		252122	669194	5679193		415	Drumlin, Spruce/Birch	5.37
A12-08440		252123	669195	5679171		410	Increased Spruce/ Less Birch	5.48
A12-08440		252124	669192	5679141		415	Spruce /Moss	6.52
A12-08440		252125	669192	5679141		415	Duplicate of Spruce /Moss	5.95
A12-08440		252126	669199	5679121		413	Spruce/ Moss- Poor soil	6.41
A12-08440		252127	669200	5679096		417	Spruce/ Moss-	6.25
A12-08440		252128	669199	5679073		408	Spruce/ Moss-	6.22
A12-08440		252129	668692	5679371		396	Spruce /moss slight elev Ln 8700E	6.65
A12-08440		252130	668694	5679352		404	slight elev Spruce/Moss upslope to S	5.1
A12-08440		252131	668699	5679327		398	Spruce / moss+ bldrs	5.19
A12-08440		252132	668696	5679299		398	Spruce / moss+ bldrs	5.2
A12-08440		252133	668694	5679277		404	Spruce / moss+ bldrs	5.42
A12-08440		252134	668693	5679252		406	Spruce / moss+ bldrs/ Birch	5.07
A12-08440		252135	668698	5679223		408	Spruce / moss+ bldrs/ Birch	6.11
A12-08440		252136	668692	5679205		402	Spruce / moss+ bldrs/ Birch	5.16
A12-08440		252137	668701	5679179		406	Drumlin, Bldrs, Birch, Minor spruce	6.35
A12-08440		252138	668706	5679145		396	Drumlin, Bldrs, Birch, Minor spruce, Flat	5.8
A12-08440		252139	668699	5679126		399	Drumlin, Bldrs, Birch, Minor spruce, Flat. Small maple tress	5.83
A12-08440		252140	668703	5679100		398	Drumlin, Bldrs, Birch, Minor spruce, Flat. Small maple tress	5.62
A12-08440		252141	668707	5679070		397	Drumlin, Bldrs, Birch, Minor spruce, Flat. Small maple tress	5.96
A12-08440		252142	668700	5679054		408	Drumlin, Bldrs, Birch, Minor spruce, Flat. Small maple tress	6.51
A12-08440		252143	668704	5679027		402	Drumlin, Bldrs, Birch, Minor spruce, Flat. Small maple tress	5.34
A12-08440		252144	668704	5678989		411	Drumlin, Bldrs, Birch, Minor spruce, Flat. Small maple tress	5.84
A12-08440		252145	668702	5678975		410	Drumlin, Bldrs, Birch, Minor spruce, Flat. Small maple tress	5.8

Sky Lake Property
2012 Soil Sample Descriptions

Certificate	Sample_Tag#	Field_Sample_#	Easting	Northing	Location	Altitude	Description	pH
A12-08440		252146	668705	5678960		416	Drumlin, Bldrs, Birch, Minor spruce, Flat. Small maple tress	6
A12-08440		252147	668702	5678930		407	Drumlin, Bldrs, Birch, Minor spruce, Flat. Small maple tress	5.58
A12-08440		252148	668696	5678887		412	Drumlin, Bldrs, Birch, Minor spruce, Flat. Small maple tress	6.22
A12-08440		252149	668707	5678867		411	Drumlin, Bldrs, Birch, Minor spruce, Flat. Small maple tress	5.99
A12-08440		252150	668707	5678867		411	Drumlin, Bldrs, Birch, Minor spruce, Flat. Small maple tress Duplicate of 252149	6
A12-08440		252151	668702	5678855		411	Drumlin, Bldrs, Birch, Minor spruce, Flat. Small maple tress	6
A12-08440		252152	668707	5678829		410	Drumlin, Bldrs, Birch, Minor spruce, Flat. Small maple tress	6
A12-08440		252153	668707	5678798		404	Increase Spruce, downhill slope to S	5
A12-08440		252154	668709	5678776		409	mixed Birch/Spruce on flat elev.	5.82
A12-08440		252155	668705	5678749		405	Mostly Spruce/Moss	5.33
A12-08440		252156	668707	5678724		402	Spruce/Moss Slope to S	5.89
A12-08440		252157	668708	5678702		401	Spruce/Moss Slope to S	5.91
A12-08440		252158	668710	5678677		396	Spruce /Moss. Slope to S Bldrs- Poor Soil	6.71
A12-08440		252159	668707	5678551		393	spruce/ moss/ Bldrs	5.38
A12-08440		252160	668705	5678527		394	Spruce /Moss on rubble along road side- lots of clasts	6.78
A12-08440		252161	668498	5678873		408	drumlin Poplar/Birch/Spruce/Bldrs	5.55
A12-08440		252162	668498	5678853		411	drumlin Poplar/Birch/Spruce/Bldrs	5.64
A12-08440		252163	668496	5678818		409	drumlin Poplar/Birch/Spruce/Bldrs	5.31
A12-08440		252164	668496	5678812		412	drumlin Poplar/Birch/Spruce/Bldrs	5.71
A12-08440		252165	668499	5678770		413	drumlin Poplar/Birch/Spruce/Bldrs	5.2
A12-08440		252166	668502	5678749		408	drumlin Poplar/Birch/Spruce/Bldrs	4.86
A12-08440		252167	668500	5678723		402	drumlin Poplar/Birch/Spruce/Bldrs	4.58
A12-08440		252168	668503	5678701		405	drumlin Poplar/Birch/Spruce/Bldrs	5.44
A12-08440		252169	668499	5678674		398	drumlin Poplar/Birch/Spruce/Bldrs/ Downslope to S	4.85
A12-08440		252170	668500	5678644		401	bottom of slope spruce/Moss/bldrs/ Poor soil	5.07
A12-08440		252171	668496	5678570		398	Spruce/Moss/ Bldrs	6.55
A12-08440		252172	668500	5678579		390	Spruce/Moss/ Bldrs	5.32
A12-08440		252173	668496	5678950		381	Spruce Moss/ Slight elev to N	4.85
A12-08440		252174	668499	5679793		399	Edge of drumlin Spruce/Moss/Bldrs/ Elev up to the S	7.47
A12-08440		252175	668499	5679793		399	Edge of drumlin Spruce/Moss/Bldrs/ Elev up to the S Duplicate of 252174	7.46
A12-08440		252176	668501	5679771		403	Top of drumlin Spruce/Moss/Bldrs	7.72
A12-08440		252177	668498	5679750		404	Top of drumlin Spruce/birch/Moss/Bldrs	6.82
A12-08440		252178	668498	5679724		404	Birch/Maple+-Spruce/Bldrs	6.95
A12-08440		252179	668503	5679706		402	Birch/Maple+-Spruce/Bldrs. Up slope to the W	7.05
A12-08440		252180	668493	5679678		401	Birch/Maple+-Spruce/Bldrs. Up slope to the W	7.17
A12-08440		252181	668505	5679650		395	Birch/Maple+-Spruce/Bldrs. Up slope to the W	7.1
A12-08440		252182	668504	5679624		393	Birch/Maple+-Spruce/Bldrs. Up slope to the W	7.06
A12-08440		252183	668499	5679603		396	Birch/Maple+-Spruce/Bldrs. Up slope to the W	7.16
A12-08440		252184	668501	5679577		399	Birch/Maple+-Spruce/Bldrs. Flat	7.25
A12-08440		252185	668506	5679553		395	Birch/Maple+-Spruce/Bldrs. Flat	7.18
A12-08440		252186	668507	5679524		400	Birch/Maple/ Increased Spruce/Bldrs. Flat	6.8
A12-08440		252187	668502	5679496		394	Edge of slope, down to the S Spruce/Moss/Bldrs/+ Birch	6.86
A12-08440		252188	668498	5679472		395	Bottom of hill. Bldrs/Moss/Spruce. Swamp to the S	6.84

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A12-08440		252189	668503	5679102		396	Edge of slope. Spruce/Moss/Bldrs. Hill to the S	6.8
A12-08440		252190	668503	5679081		403	Uphill to S. Spruce/Moss/Bldrs	6.83
A12-08440		252191	668500	5679051		403	.Spruce//Bldrs/ flat	7.05
A12-08440		252192	668503	5679028		404	.Spruce//Bldrs/ Birch, flat ground	6.81
A12-08440		252193	668499	5678999		404	.Spruce//Bldrs/ Birch, flat ground	6.81
A12-08440		252194	668502	5678982		399	.Spruce//Bldrs/ Birch, flat ground	6.86
A12-08440		252195	668501	5678952		409	Birch/spruce/Maple/Bldrs	6.84
A12-08440		252196	668497	5678923		404	Birch/spruce/Maple/Bldrs	6.83
A12-08440		252197	668500	5678900		411	Birch/spruce/Maple/Bldrs	6.85
A12-08440		252198	671003	5679372		387	Spruce/Moss, low area. On edge of outcrop	
A12-08440		252199	671001	5679400		392	Spruce/Moss On outcrop of mafics	
A12-08440		252200	671001	5679400		392	Spruce/Moss On outcrop of mafics Duplicate of 252199	
A12-08440		252201	671000	5679475		374	Spruce /Moss on Edge of outcrop	
A12-08440		252202	671000	5679450		382	Spruce/Moss on edge of outcrop	
A12-08440		252203	671000	5679476		390	Spruce/Moss, Off outcrop, Bldrs	
A12-08440		252204	670999	5679625		385	Spruce/Moss, Low outcrop in Swamp	
A12-08440		252205	671150	5679995		385	spruce/Moss on side of outcrop ridge	
A12-08440		252206	671151	5679950		387	Spruce /Moss, bldrs on South edge of outcrop	
A12-08440		252207	671152	5679900		392	Spruce /Moss, bldrs on South edge of outcrop	
A12-08440		252208	671150	5679850		394	Spruce/Moss on Out crop	
A12-08440		252209	671150	5679825		386	Spruce/Moss on elev outcrop	
A12-08440		252210	671149	5679800		393	Spruce/Moss on elev outcrop	
A12-08440		252211	671153	5679773		394	Spruce/Moss on elev outcrop	
A12-08440		252212	671151	5679751		392	Spruce/Moss on elev outcrop	
A12-08440		252213	671151	5679700		385	Edge of outcrop to North Swamp to the South Spruce/Moss	
A12-08440		252214	671150	5679651		387	Spruce/Moss On outcrop	
A12-08440		252215	671151	5679625		382	Spruce /Moss on outcrop slope	
A12-08440		252216	671151	5679661		384	Spruce/Moss, Low area on ridge of outcrop	
A12-08440		252217	671150	5679550		389	Edge of outcrop to South, Low swamp to North. Spruce /Moss	
A12-08440		252218	671151	5679550		376	Slope of outcrop. Spruce/Moss	
A12-08440		252219	671147	5679474		391	Spruce/Moss/Lab Tea/ on raised hill-outcrop?	
A12-08440		252220	671150	5679449		385	spruce/Moss on outcrop/ Not best soil	
A12-08440		252221	671150	5679425		391	spruce/Moss/Bldrs on outcrop?	
A12-08440		252222	671150	5679400		397	spruce/moss/bldrs/Swamp to South	
A12-08440		252223	671700	5679674		396	Spruce/moss on dome of outcrop	
A12-08440		252224	671702	5679650		386	Spruce/moss on low outcrop?	
A12-08440		252225	664760	5678651		389	Spruce/Moss/Lab Tea Duplicate of 252226	
A12-08440		252226	664760	5678651		389	Spruce/Moss/Lab Tea	
A12-08440		252227	664500	5678475		382	Spruce/Birch /Grass- Poor soil	
A12-08440		252228	664500	5678555		383	spruce /Moss/Bldrs/ Poor soil	
A12-08440		252229	664504	5678573		395	spruce /Moss/Bldrs/ Poor soil	
A12-08440		252230	664504	5678601		395	spruce /Moss/Bldrs/ Lab Tea	
A12-08440		252231	664503	5678620		399	spruce /Moss/Bldrs/ Lab Tea	

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A12-08440		252232	664509	5678646		400	spruce /Moss/Blds/ Lab Tea	
A12-08440		252233	664500	5678677		396	spruce /Moss/Blds/ Lab Tea	
A12-08440		252234	664498	5678703		390	spruce /Moss/Blds/ Lab Tea	
A12-08440		252235	664501	5678724		390	spruce /Moss/Blds/ Lab Tea	
A12-08440		252236	664496	5678749		400	spruce /Moss/Blds/ Lab Tea	
A12-08440		252237	664505	5678778		398	spruce /Moss/Blds/ Lab Tea / on O/C?	
A12-08440		252238	664504	5678800		403	spruce /Moss/Blds/ Lab Tea / near O/C?/ Moderate quality soil	
A12-08440		252239	664508	5678823		397	spruce /Moss/Blds/ Lab Tea / near O/C?/ Moderate quality soil	
A12-08440		252240	664511	5678850		405	spruce /Moss/Blds/ Lab Tea / near O/C?/ Moderate quality soil	
A12-08440		252241	664499	5678877		395	spruce /Moss/Blds/ Lab Tea / near O/C?/ bldrs, slope down to North/ Moderate quality soil	
A12-08440		2112001	669099.8	5679726		401	pine moss, slope down N	6.8
A12-08440		2112002	669098.5	5679700		405	Pine moss, uneven. SAMPLE MISSING	0
A12-08440		2112003	669100.7	5679678		410	Pine moss, uneven	6.8
A12-08440		2112004	669097.3	5679651		408	Pine moss, uneven	6.8
A12-08440		2112005	669088.4	5679636		403	Pine moss birch, uneven	6.9
A12-08440		2112006	669098.2	5679605		411	Pine moss maple, uneven	6.5
A12-08440		2112007	669105.4	5679576		400	Maple birch, uneven slight slope up S	6.6
A12-08440		2112008	669112.2	5679548		409	Birch balsam, uneven	6.9
A12-08440		2112009	669094.4	5679517		409	Birch maple pine, uneven	7.1
A12-08440		2112010	669090.5	5679499		397	Birch maple pine, uneven	7
A12-08440		2112011	669100.5	5679480		408	Birch maple pine, uneven	6.8
A12-08440		2112012	669094.8	5679462		420	Maple birch balsam, uneven	7
A12-08440		2112013	669094.6	5679426		417	Maple pine birch, uneven	6.8
A12-08440		2112014	669101.7	5679400		420	Maple pine birch, uneven	6.8
A12-08440		2112015	669094.7	5679377		422	Maple birch balsam, uneven	6.7
A12-08440		2112016	669088.1	5679353		417	Maple pine birch, uneven	6.9
A12-08440		2112017	669097.9	5679328		411	Maple pine birch, uneven	6.9
A12-08440		2112018	669103.2	5679300		412	Birch pine, uneven	6.7
A12-08440		2112019	669093.9	5679277		407	Birch pine maple, uneven	6.6
A12-08440		2112020	669099.3	5679232		403	Birch pine, uneven	6.8
A12-08440		2112021	669097	5679209		399	Birch pine maple, uneven	6.8
A12-08440		2112022	669096.2	5679192		420	Birch pine, flat	6.9
A12-08440		2112023	669088.4	5679146		411	Birch pine, flat	6.9
A12-08440		2112024	669095.7	5679133		410	Birch pine, flat	6.8
A12-08440		2112025	669095.7	5679133		410	Duplicate of 2112024	6.8
A12-08440		2112026	669095	5679099		391	Birch pine, uneven	6.8
A12-08440		2112027	669087.9	5679073		408	Birch pine, uneven	6.9
A12-08440		2112028	669096.2	5679048		407	Birch pine, uneven	7.3
A12-08440		2112029	669097.9	5679020		397	Pine, uneven	6.9
A12-08440		2112030	669094.8	5679000		401	Pine, uneven	0
A12-08440		2112031	668898.9	5679567		387	Pine moss, uneven up slope S	7.1
A12-08440		2112032	668893.4	5679535		393	Pine moss, uneven	6.7
A12-08440		2112033	668888	5679519		400	Pine moss, uneven	7.1

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A12-08440		2112034	668892.4	5679491		395	Pine moss, uneven	7.1
A12-08440		2112035	668895.5	5679469		397	Pine moss, uneven	7
A12-08440		2112036	668888	5679440		386	Pine birch moss, flat	7
A12-08440		2112037	668900.5	5679425		391	Pine birch moss, flat	7
A12-08440		2112038	668903	5679390		373	Pine birch, slight up slope S	7.3
A12-08440		2112039	668885	5679362		370	Pine birch moss, uneven	7
A12-08440		2112040	668881	5679342		399	Pine birch, slight up slope S	7
A12-08440		2112041	668887.5	5679322		394	Pine birch moss, uneven	7
A12-08440		2112042	668888.8	5679286		396	Pine birch, uneven	7
A12-08440		2112043	668891.5	5679264		403	Pine birch moss, uneven	7.1
A12-08440		2112044	668892.9	5679244		405	Pine birch moss, uneven	7
A12-08440		2112045	668910.3	5679215		411	Pine birch maple, uneven	7.1
A12-08440		2112046	668893.8	5679171		404	Pine birch maple, flat	7.1
A12-08440		2112047	668895.4	5679140		392	Pine birch, slight down slope S	7
A12-08440		2112048	668895.8	5679126		387	Pine birch, slight down slope S	7
A12-08440		2112049	668895.1	5679089		412	Pine birch, flat	7.1
A12-08440		2112050	668895.1	5679089		412	Duplicate of 2112049	7
A12-08440		2112051	668902.3	5679060		415	Pine Birch moss, flat	7
A12-08440		2112052	668908.6	5679053		402	Pine moss birch, flat	7
A12-08440		2112053	668894.5	5679022		413	Pine birch moss, flat	7
A12-08440		2112054	668884.7	5678992		414	Pine birch moss, flat	7
A12-08440		2112055	668904.2	5678969		410	Pine birch moss, flat	7.1
A12-08440		2112056	668902.8	5678942		413	Pine birch moss, flat	7
A12-08440		2112057	668899.1	5678927		403	Pine birch moss, flat	7
A12-08440		2112058	668897	5678897		395	Pine birch moss, flat	7
A12-08440		2112059	668905.3	5678878		402	Pine birch moss, uneven	7.3
A12-08440		2112060	668900.9	5678858		390	Pine birch moss, flat	7
A12-08440		2112061	668903.2	5678828		394	Pine moss, slight down slope S	7.4
A12-08440		2112062	668903.4	5678800		425	Pine moss, down slope S	7
A12-08440		2112063	668902.7	5678756		403	Pine moss, uneven	7
A12-08440		2112064	668908.2	5678692		395	Pine moss, down slope S	7.1
A12-08440		2112065	668906.9	5678679		398	Pine moss, uneven	7.1
A12-08440		2112066	668900.2	5678598		399	Pine birch moss, uneven	6.8
A12-08440		2112067	668909	5678550		379	Pine birch moss, uneven	7
A12-08440		2112068	668905.7	5678539		378	Cedar pine willow, edge of lake	7.1
A12-08440		2112069	668397.9	5680118		374	Pine birch moss, flat	7
A12-08440		2112070	668397.9	5679748		396	Pine moss, down slope S	5.4
A12-08440		2112071	668396.2	5679719		397	Pine moss, steep up slope S 70 deg	5.6
A12-08440		2112072	668404.6	5679696		403	Birch pine balsam moss, steep up slope S	5.5
A12-08440		2112073	668403	5679667		420	Maple birch pine, top of slope/drumlin	5.5
A12-08440		2112074	668402.3	5679648		411	Maple birch pine, down slope S	5.5
A12-08440		2112075	668402.3	5679648		411	Duplicate of 2112074	5.5
A12-08440		2112076	668390.5	5679618		404	Balsam pine maple, down slope S	5.5

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A12-08440		2112077	668386.4	5679604		406	Maple birch pine, uneven	5.5
A12-08440		2112078	668394.6	5679577		404	Maple birch pine, uneven	5.5
A12-08440		2112079	668391.2	5679521		401	Maple birch pine balsam, uneven	5.5
A12-08440		2112080	668391.2	5679473		402	Maple birch pine balsam, uneven	5.4
A12-08440		2112081	668393.7	5679443		395	Maple birch pine balsam, uneven	7.2
A12-08440		2112082	668395.5	5679406		398	Maple birch balsam, downslope S	7.2
A12-08440		2112083	668391.4	5679383		394	Pine willow birch, down slope S	7.2
A12-08440		2112084	668399.3	5678929		395	Pine birch moss, uneven	7.3
A12-08440		2112085	668397.3	5678888		396	Pine moss sloped, down slope W	7.5
A12-08440		2112086	668406	5678866		397	Pine birch moss, flat	
A12-08440		2112087	668403.7	5678841		391	Pine birch moss, flat	
A12-08440		2112088	668401.8	5678813		394	Pine birch moss, flat	
A12-08440		2112089	668402.6	5678796		397	Pine birch moss, flat	
A12-08440		2112090	668393.2	5678764		395	Pine birch moss, flat	
A12-08440		2112091	668401.6	5678720		399	Pine birch moss, down slope S	
A12-08440		2112092	668403.3	5678694		406	Pine birch moss, uneven	
A12-08440		2112093	668398.5	5678631		395	Pine birch moss, uneven	6.8
A12-08440		2112094	668403.8	5678523		389	Pine birch moss, uneven	
A12-08440		2112095	671305	5679349		351	Pine moss birch, downslope N	
A12-08440		2112096	671302	5679397		387	Pine moss birch, downslope N	
A12-08440		2112097	671300	5679426		368	Pine moss birch, downslope N	
A12-08440		2112098	671498.4	5680005		373	Pine moss, uneven	
A12-08440		2112099	671499.7	5679974		371	Moss pine, uneven	
A12-08440		2112100	671498	5679948		369	Pine moss, uneven	
A12-08440		2112101	671500.5	5679925		375	Pine moss, uneven	
A12-08440		2112102	671502.7	5679898		376	Pine moss, uneven	
A12-08440		2112103	671499.7	5679873		357	Pine moss, uneven	
A12-08440		2112104	671501.2	5679849		375	Pine moss, uneven	
A12-08440		2112105	671500.1	5679824		372	Pine moss, uneven	
A12-08440		2112106	671498.6	5679799		326	Moss pine, uneven outcrop	
A12-08440		2112107	671500.9	5679775		370	Moss pine, uneven	
A12-08440		2112108	671499.2	5679750		366	Moss pine, uneven	
A12-08440		2112109	671497.8	5679597		393	Moss pine, uneven	
A12-08440		2112110	671501	5679577		384	Moss pine, uneven	
A12-08440		2112111	671498	5679545		393	Moss pine, uneven	
A12-08440		2112112	671501	5679525		393	Moss pine, uneven	
A12-08440		2112113	671501	5679501		394	Moss pine, uneven	
A12-08440		2112114	671498	5679474		394	Moss pine, downslope south	
A12-08440		2112115	671498.6	5679451		397	Moss pine, uneven	
A12-08440		2112116	671494	5679433		405	birch pine, slight upslope S	
A12-08440		2112117	671501.6	5679402		401	Birch pine, upslope S	
A12-08440		2112118	671499.3	5679375		407	birch maple pine, upslope S	
A12-08440		2112119	671498.9	5679350		422	Birch pine maple, upslope S	

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A12-08440		2112120	671499	5679324		413	Birch maple pine, uneven	
A12-08440		2112121	671501	5679302		413	Birch maple pine, flat	
A12-08440		2112122	671497.7	5679271		410	birch maple pine, flat	
A12-08440		2112123	671701.9	5679282		392	pine birch moss, flat	
A12-08440		2112124	671697.6	5679326		394	pine birch moss, flat	
A12-08440		2112125	671697.6	5679326		394	pine birch moss, flat	
A12-08440		2112126	671701	5679352		396	pine birch moss, flat	
A12-08440		2112127	671699.8	5679378		392	pine birch moss, downslope E	
A12-08440		2112128	671699	5679404		401	Pine birch moss flat	
A12-08440		2112130	664102	5678901		395	Pine moss birch, flat	
A12-08440		2112131	664100	5678923		389	Pine moss birch, flat	
A12-08440		2112132	664102	5678953		391	Pine moss birch, uneven	
A12-08440		2112133	664101	5678975		387	Pine moss birch, flat	
A12-08440		2112134	664104	5678997		387	Pine moss birch, flat	
A12-08440		2112135	664104	5678997		387	Duplicate of 2112134	
A12-08440		2112136	664100.9	5679025		388	Pine moss birch, flat	
A12-08440		2112137	664102.3	5679047		388	Pine moss birch, flat	
A12-08440		2112138	664098.7	5679079		391	Pine moss birch, flat	
A12-08440		2132001	669001	5679676		391	Spruce, peat	6.36
A12-08440		2132002	669004	5679655		395	Spruce, peat	6.15
A12-08440		2132003	669003	5679630		400	Spruce, peat	5.31
A12-08440		2132004	669007.7	5679599		402	Spruce, poplar	6.45
A12-08440		2132005	669002.3	5679581		401	Spruce, poplar, birch	6.12
A12-08440		2132006	669000	5679552		401	Spruce, poplar, birch	5.9
A12-08440		2132007	669004	5679536		403	Spruce, poplar, birch	6
A12-08440		2132009	669008	5679478		408	older poplar, younger birch	6.26
A12-08440		2132010	669006.6	5679447		409	older poplar, younger birch	6.06
A12-08440		2132011	669006.3	5679424		410	older poplar, younger birch	5.76
A12-08440		2132012	669016.2	5679394		411	older poplar, younger birch	5.89
A12-08440		2132013	669001.8	5679386		411	older poplar, younger birch	6.11
A12-08440		2132014	669005.2	5679360		413	pine, spruce, birch	5.73
A12-08440		2132015	669007.8	5679329		414	pine, spruce, birch	6.05
A12-08440		2132016	669003.3	5679306		411	pine, spruce, birch	5.97
A12-08440		2132017	669005.2	5679274		419	pine, spruce, birch	5.62
A12-08440		2132018	669008.3	5679263		413	poplar, birch, spruce	5.65
A12-08440		2132019	669009.3	5679231		411	poplar, birch, spruce	5.67
A12-08440		2132020	668996.8	5679196		399	poplar, birch, spruce	6.11
A12-08440		2132021	669008.9	5679178		417	poplar, birch, spruce	5.76
A12-08440		2132022	669000.9	5679148		412	poplar, birch, spruce	5.75
A12-08440		2132023	668998.3	5679129		410	poplar, birch, spruce	5.89
A12-08440		2132024	669003.1	5679104		410	poplar, birch, spruce	5.98
A12-08440		2132025	669003.1	5679104		410	poplar, birch, spruce F93Duplicate of 2132024	6.03
A12-08440		2132026	668993.5	5679077		408	poplar, birch, spruce	6.28

Sky Lake Property
2012 Soil Sample Descriptions

Certificate	Sample_Tag#	Field_Sample_#	Easting	Northing	Location	Altitude	Description	pH
A12-08440		2132027	668805	5679470		395	Spruce, peat moss	5.9
A12-08440		2132028	668808.6	5679441		399	Spruce, peat moss	5.76
A12-08440		2132029	668806.8	5679416		403	Spruce, peat moss	5.15
A12-08440		2132030	668804.8	5679394		401	Spruce, peat moss	4.97
A12-08440		2132031	668807.8	5679372		402	spruce, birch, poplar	5.27
A12-08440		2132032	668810	5679353		404	spruce, birch, poplar	5.08
A12-08440		2132033	668797.1	5679319		403	spruce, birch, poplar	5.96
A12-08440		2132034	668802.8	5679294		406	spruce, birch, poplar	6.02
A12-08440		2132035	668807.3	5679282		406	spruce, birch, poplar	6.01
A12-08440		2132036	668807.8	5679234		407	spruce, birch, poplar	6.05
A12-08440		2132037	668802.8	5679195		407	spruce, birch, poplar	5.99
A12-08440		2132038	668794	5679166		409	spruce, birch, poplar	6.16
A12-08440		2132039	668790.4	5679149		408	spruce, birch, poplar	5.5
A12-08440		2132040	668791.6	5679116		411	spruce, birch, poplar	5.62
A12-08440		2132041	668804.4	5679097		411	spruce, birch, poplar	5.52
A12-08440		2132042	668798.8	5679070		410	spruce, birch, poplar	5.25
A12-08440		2132043	668791.1	5679039		410	spruce, birch, poplar	5.71
A12-08440		2132044	668792.8	5679034		409	spruce, birch, poplar	5.86
A12-08440		2132045	668795.5	5678998		409	spruce, birch, poplar	5.83
A12-08440		2132046	668791.6	5678964		409	spruce, birch, poplar	5.61
A12-08440		2132047	668795.3	5678941		410	spruce, birch, poplar	5.82
A12-08440		2132048	668795.6	5678916		411	spruce, birch, poplar	5.87
A12-08440		2132049	668791.7	5678903		410	spruce, birch, poplar	5.75
A12-08440		2132050	668791.7	5678903		410	spruce, birch, poplar Duplicate of 2132049	5.81
A12-08440		2132051	668799	5678872		401	fir, poplar, birch, (sandy gravel)	6.66
A12-08440		2132052	668797	5678850		399	fir, poplar, birch, (sandy gravel)	6.85
A12-08440		2132053	668798	5678828		399	fir, poplar, birch, (sandy gravel)	6.43
A12-08440		2132054	668797	5678800		400	Spruce	6.98
A12-08440		2132055	668803	5678586		382	Spruce, peat	6.91
A12-08440		2132056	668803	5678586		382	Spruce, peat	6.72
A12-08440		2132058	668596.2	5679220		399	Spruce, peat	6.6
A12-08440		2132059	668596.3	5679204		401	Spruce, peat	6.66
A12-08440		2132060	668598.3	5679173		402	Spruce, peat	6.77
A12-08440		2132061	668599.2	5679153		404	Spruce, peat	6.42
A12-08440		2132062	668601.5	5679130		406	spruce, birch, poplar	6.69
A12-08440		2132063	668599.2	5679103		405	spruce, birch, poplar	6.11
A12-08440		2132064	668600.4	5679073		408	spruce, birch, poplar	6.87
A12-08440		2132065	668600.5	5679040		408	spruce, birch, poplar	6.8
A12-08440		2132066	668595.9	5679024		406	spruce, birch, poplar	6.43
A12-08440		2132067	668600.9	5678996		407	spruce, birch, poplar	6.9
A12-08440		2132068	668599.1	5678977		408	spruce, birch, poplar	6.9
A12-08440		2132069	668598.1	5678941		408	spruce, birch, poplar	6.84
A12-08440		2132070	668598.2	5678929		411	spruce, birch, poplar	6.58

Sky Lake Property
2012 Soil Sample Descriptions

Certificate	Sample_Tag#	Field_Sample_#	Easting	Northing	Location	Altitude	Description	pH
A12-08440		2132071	668600.5	5678895		408	spruce, birch, poplar	6.67
A12-08440		2132072	668602.7	5678880		408	spruce, birch, poplar	7.01
A12-08440		2132073	668607.3	5678846		408	spruce, birch, poplar (sandy gravel)	7.33
A12-08440		2132074	668603.8	5678822		408	spruce, birch, poplar (sandy gravel)	7.35
A12-08440		2132075	668603.8	5678822		408	spruce, birch, poplar (sandy gravel) Duplicate of 2132074	7.4
A12-08440		2132076	668603.8	5678788		404	spruce, birch, poplar	7.45
A12-08440		2132077	668595.9	5678764		406	spruce, birch, poplar	7.5
A12-08440		2132078	668600	5678746		405	spruce, birch, poplar	7.42
A12-08440		2132079	668600.4	5678718		404	spruce, birch, poplar	7.37
A12-08440		2132080	668602.3	5678703		402	spruce, birch, poplar	7.42
A12-08440		2132081	668602.7	5678678		397	mostly spruce, some birch	7.34
A12-08440		2132082	668601	5678647		395	Spruce, peat moss	7.22
A12-08440		2132083	668599	5678627		395	Spruce, peat moss	7.47
A12-08440		2132084	668609.3	5678602		392	Spruce, labrador tea, peat	7.42
A12-08440		2132085	668301	5678775		387	Spruce, peat	7.41
A12-08440		2132086	668301	5678751		0	Spruce, peat	7
A12-08440		2132087	668303	5678728		392	Spruce, peat	6.99
A12-08440		2132088	668305	5678698		393	Spruce, peat	6.99
A12-08440		2132089	668306	5678677		392	Spruce, peat	6.97
A12-08440		2132090	668300.1	5678651		393	Spruce, peat	6.97
A12-08440		2132091	668295.7	5678625		395	Spruce, peat	6.93
A12-08440		2132092	668307.8	5678570		392	Spruce, peat, down slope	6.94
A12-08440		2132093	668299	5678552		391	Spruce, peat	7.03
A12-08440		2132094	668098.3	5678999		392	Spruce, birch, poplar	6.95
A12-08440		2132095	668098.1	5678977		392	Spruce, birch, poplar	7.08
A12-08440		2132096	668100.8	5678949		391	Spruce, birch, poplar	6.93
A12-08440		2132097	668098	5678920		388	spruce, peat	6.92
A12-08440		2132098	668097.6	5678898		388	spruce, peat	6.93
A12-08440		2132099	667900	5678999		404	Spruce	6.99
A12-08440		2132100	667901.1	5678970		403	Spruce duplicate of 2132100	7.02
A12-08440		2132101	667898.5	5678943		403	alders, spruce	7.06
A12-08440		2132102	667899.9	5678927		400	alders, spruce	6.97
A12-08440		2132103	667897.1	5678901		398	alders, spruce	6.93
A12-08440		2132104	667896.3	5678874		397	alders, spruce, labrador tea	6.66
A12-08440		2132105	667903.5	5678858		396	Spruce	6.66
A12-08440		2132106	667900.6	5678827		397	Spruce, poplar	6.98
A12-08440		2132107	667908.7	5678778		395	Spruce, poplar	7
A12-08440		2132108	667913.5	5678757		397	Spruce, poplar	7.01
A12-08440		2132109	667908.5	5678724		392	Spruce, poplar, peat	7
A12-08440		2132110	667911.3	5678705		394	Spruce, peat	6.99
A12-08440		2132111	667912	5678682		392	Spruce, peat	6.93
A12-08440		2132112	667902	5678653		391	Spruce, peat	6.88
A12-08440		2132113	668004.7	5679004		405	Spruce, alder	6.94

Sky Lake Property
2012 Soil Sample Descriptions

Certificate	Sample_Tag#	Field_Sample_#	Easting	Northing	Location	Altitude	Description	pH
A12-08440		2132114	667998.1	5678975		404	Spruce, alder	7
A12-08440		2132115	667998.9	5678947		400	Spruce, alder	7.01
A12-08440		2132116	667998.6	5678930		400	Spruce, alder	7
A12-08440		2132117	667999.1	5678895		397	Spruce, poplar	6.99
A12-08440		2132118	668004	5678872		395	Spruce, birch, poplar	7.01
A12-08440		2132119	668004.4	5678855		395	Spruce, birch, poplar, labrador tea	6.91
A12-08440		2132120	668007.6	5678823		395	Spruce, poplar, birch, peat	6.94
A12-08440		2132121	668007	5678823		395	Spruce, peat	6.99
A12-08440		2132122	668004	5678803		395	Spruce, peat	6.97
A12-08440		2132123	672208	5680199		424	Spruce, peat	
A12-08440		2132124	672205	5680171		418	Spruce, peat	
A12-08440		2132125	672201	5680145		409	Spruce, peat	
A12-08440		2132126	672200	5680124		394	Spruce, peat	
A12-08440		2132127	672200	5680124		394	Spruce, peat Duplicate of 2132126	
A12-08440		2132128	672200	5680092		400	Birch, spruce, poplar	
A12-08440		2132129	672200	5680076		398	Birch, spruce, poplar	
A12-08440		2132130	672202.7	5680051		400	Birch, spruce, poplar	
A12-08440		2132131	672202.5	5680023		397	Birch, spruce, poplar	
A12-08440		2132132	672208	5679995		390	Birch, spruce, poplar	
A12-08440		2132133	672206	5679974		397	Birch, spruce, poplar	
A12-08440		2132134	672202	5679947		395	Birch, spruce, poplar	
A12-08440		2132135	672195	5679921		395	Spruce, peat, labrador tea	
A12-08440		2132136	672203	5679776		396	Spruce, peat, labrador tea	
A12-08440		2132137	672200	5679750		368	Spruce, peat, labrador tea	
A12-08440		2132138	672198.1	5679696		400	Spruce, peat, labrador tea	
A12-08440		2132139	668200	5678432		387	Spruce, peat moss	6.27
A12-08440		2132140	668205.8	5678406		390	Spruce, birch, peat moss	6.28
A12-08440		2132141	668002	5678429		387	Spruce, peat moss	6.18
A12-08440		2132142	668000	5678403		388	Spruce, peat moss	6.12
A12-08440		2132143	668000	5678377		389	Spruce, birch, poplar, peat	6.08
A12-08440		2132144	668006	5678352		390	Spruce, birch, poplar, peat	5.04
A12-08440		2132145	667997.6	5678321		391	Spruce, birch, poplar, peat	6.09
A12-08440		2132146	667997	5678299		392	Spruce, birch, poplar, peat	5.91
A12-08440		2132147	667990	5678272		394	poplar, birch, spruce	5.86
A12-08440		2132148	667991	5678250		397	poplar, birch, spruce	5.66
A12-08440		2132149	664299.6	5678399		380	Spruce, peat, labrador tea	
A12-08440		2132150	664302.1	5678425		387	Spruce, peat, labrador tea	
A12-08440		2132151	664299	5678399		380	Spruce, peat, labrador tea	
A12-08440		2132152	664302	5678425		387	Spruce, peat	
A12-08440		2132153	664297	5678505		391	Spruce, peat, poplar	
A12-08440		2132154	664302.5	5678525		386	Spruce, peat, labrador tea	
A12-08440		2132155	664302.8	5678550		389	Spruce, peat, labrador tea	
A12-08440		2132156	664300.1	5678575		392	Spruce, peat, labrador tea	

Sky Lake Property
2012 Soil Sample Descriptions

Certificate	Sample_Tag#	Field_Sample_#	Easting	Northing	Location	Altitude	Description	pH
A12-08440		2132157	664303.2	5678601		393	Spruce, peat, labrador tea	
A12-08440		2132158	664299	5679027		380	Spruce, peat, labrador tea	
A12-08440		2132159	664301.6	5679050		389	Spruce, peat, labrador tea	
A12-08440		2132160	664302	5679079		390	Spruce, peat	

APPENDIX C
HUMUS SAMPLE DESCRIPTION AND Ph
(UTM Co-ordinates are in NAD83 Zone 15)

Sky Lake Property
2012 Humus Sample Descriptions

Field_Sample_#	Easting	Northing	Altitude	Description	pH
251362	669190	5680000	388	low land spruce swamp-	6.69
251363	669192	5679972	384	low land spruce swamp	6.62
251364	669191	5679948	385	low land spruce swamp	6.72
251365	669192	5679920	388	low land spruce swamp-Poor sample	6.91
251366	669194	5679898	388	low land spruce swamp-Poor sample	6.8
251367	669197	5679873	387	low land spruce swamp-	6.45
251368	669197	5679848	389	low land spruce swamp-	6.71
251369	669198	5679820	391	low land spruce swamp- fair sample	6.45
251370	669203	5679794	397	drumlin Thin humus	4.65
251371	669194	5679773	405	Drumlin Thin humus Spruce /moss	4.25
251372	669194	5679756	409	Drumlin Thin humus Spruce /moss Poor Humus	6.05
251373	669200	5679096	417	Drumlin Thin humus Spruce /moss	4.6
251374	668692	5679450	387	Edge of lake Start of Ln 8700E Alders and moss	6.91
251375	668693	5679421	391	Duplicate of 251376	6.7
251376	668693	5679421	391	Spruce/Alders/Moss swamp	6.8
251377	668694	5679396	397	Spruce/Alders/Moss swamp	6.79
251378	668692	5679371	396	Spruce/Alders/Moss swamp Slight elev	6.07
251379	668710	5678677	396	spruce / moss slight slope to S	6.19
251380	668703	5678648	393	spruce / moss slight slope to S	7
251381	668703	5678625	390	Spruce /Moss Flat ground	6.51
251382	668708	5678598	387	Spruce /Moss Flat ground	7.03
251383	668706	5679577	388	Spruce /Moss Flat ground	6.9
251384	668704	5678505	389	spruce/ moss 15m from lake	6.61
251385	668500	5678644	401	bottom of slope Spruce and moss	6.37
251386	668496	5678616	390	flat ground /Spruce/Moss/bldrs	6.89
251387	668498	5678601	389	flat ground /Spruce/Moss/bldrs	7.08
251388	668496	5678570	387	Spruce swamp , low land	6.89
251389	668502	5678553	388	spruce swamp/ creek	6.2
251390	668500	5678529	390	Up slope to South+ Bldrs. Spruce /Moss	4.53
251391	668504	5679840	389	Low, swamp/creek, cedars/Alders Drumlin base to the S (*switched Meters)	7.43
251392	668504	5679814	389	Spruce/Moss. Low, base of drumlin	7.15
251393	668502	5679447	388	Low off drumlin to N Spruce/Moss near creek	7.28
251394	668501	5679314	385	Edge of creek/swamp/grass/alder	7.27

Sky Lake Property
2012 Humus Sample Descriptions

Field_Sample_#	Easting	Northing	Altitude	Description	pH
251395	668502	5679295	383	Low spruce/ Moss/ swamp	7.25
251396	668500	5679274	384	Low area, Spruce/Swamp/Moss -Poor humus	7.33
251397	668501	5679247	386	Low area, Spruce/Swamp/Moss -Poor humus	7.26
251398	668500	5679221	387	Low area, Spruce/Swamp/Moss - Fair sample	7.35
251399	668501	5679196	392	Low area, Spruce/Swamp/Moss	7.39
251400	668502	5679172	395	Low area, Spruce/Swamp/Moss Duplicate of 251401	0
251401	668502	5679172	395	Low area, Spruce/Swamp/Moss	7.53
251402	668501	5679150	394	spruce/Moss. Slight elev to S	7.43
251403	668504	5679122	398	spruce/Moss. Slight elev to S	7.4
251404	671003	5679344	395	Spruce /Moss Edge of outcrop to S	0
251405	671003	5679372	387	Spruce /Moss Edge of outcrop to N	0
251406	671000	5679476	390	Spruce/Moss. Off outcrop, Bldrs	0
251407	671000	5679501	385	Spruce /Moss, low area, Wet near Rd.	0
251408	670999	5679625	385	spruce /Moss on low outcrop in swamp	0
251409	670989	5679656	388	Spruce /Moss, low area. Swamp	0
251410	670999	5679674	382	Spruce/Moss,Alders, standing Water	0
251411	671150	5680001	382	Edge of outcrop to South, dried lake to North, Lab Tea veg.	0
251412	671151	5679950	387	spruce/Moss/Bldrs/ on edge of outcrop.	0
251413	671149	5679875	388	Spruce/Moss/Low arera, outcrop to North and South	0
251414	671150	5679825	386	Spruce/Moss on elev. Outcrop	0
251415	671149	5679800	393	Spruce/Moss on elev. Outcrop	0
251416	671153	5679773	394	Spruce/Moss on elev. Outcrop	0
251417	671151	5679751	392	Spruce/Moss on elev. Outcrop	0
251418	671150	5679725	395	On edge of outcrop. Spruce/Moss	0
251419	671151	5679700	385	Edge of outcrop to North, swamp to the South. Spruce /moss	0
251420	671150	5679550	389	Edge of outcrop to South, swamp to the North. Spruce /moss	0
251421	671151	5679576	381	Low/ swamp. Spruce /moss	0
251422	671151	5679500	376	Slope of outcrop to SW. Spruce/Moss	0
251423	671150	5679449	385	Spruce/Moss on outcrop	0
251424	671150	5679425	391	spruce/Moss/Bldrs/ on edge of outcrop.	0
251425	671150	5679400	390	Spruce/Moss/Blds/swamp to south Duplicate of 251426	0
251426	671150	5679400	390	Spruce/Moss/Blds/swamp to south	0
251427	671150	5679375	396	Alders/Spruce/Standing Water/Swamp/low	0

Sky Lake Property
2012 Humus Sample Descriptions

Field_Sample_#	Easting	Northing	Altitude	Description	pH
251428	671151	5679350	389	Alders/Spruce/Standing Water/Swamp/low	0
251429	671145	5679327	396	Alders/Spruce/Standing Water/Swamp/low	0
251430	671151	5679302	394	Spruce/Moss/Lab Tea/Low on outcrop?	0
251431	671150	5679276	401	Slope of moss covered outcrop	0
251432	671672	5679935	383	Spruce/Moss/Alder swamp/ standing water	0
251433	671701	5679925	381	Spruce/Moss/Alders	0
251434	671701	5679900	385	Spruce/Moss/Alders	0
251435	671702	5679876	390	Spruce/Moss/Alders	0
251436	671700	5679851	384	Spruce/Moss/Alders	0
251437	671697	5679830	391	alders/wet on trail	0
251438	671700	5679801	388	Alders/Wet/Moss	0
251439	671703	5679776	387	spruce/Moss	0
251440	671699	5679704	393	On top of Mafic outcrop	0
251441	671702	5679650	386	spruce/Moss on low area, outcrop?	0
251442	671702	5679625	389	Low/Spruce/Moss/Alders	0
251443	671699	5679599	389	Low/Spruce/Moss/Alders	0
251444	671707	5679575	390	Low/Spruce/Moss/Alders	0
251445	671698	5679552	390	Low/Spruce/Moss/Alders	0
251446	671696	5679521	389	Low/Spruce/Moss/Alders, slight elev	0
251447	671709	5679499	391	Spruce/Moss/Alders/Bldrs	0
251448	671702	5679474	386	Spruce/Moss/Alders/Bldrs	0
251449	664765	5678582	387	Spruce /moss/Alders. Near lake to South	0
251450	664765	5678600	388	Alders/Spruce/Moss /Lab Tea Duplicate of 251451	0
251451	664765	5678600	388	Alders/Spruce/Moss /Lab Tea	0
251452	667760	5678625	386	Spruce/Moss/Lab Tea	0
251453	664766	5678651	389	Spruce/Moss/Lab Tea	0
251454	664502	5678445	392	Spruce /moss/Alders. Near lake to South	0
251455	664506	5678475	382	spruce/ Moss/Grass	0
251456	664499	5678494	392	Spruce/Birch/Grass/ Bldrs	0
251457	664495	5678533	386	spruce/Moss/Blds/Lt on slight elev to North	0
251458	664500	5678559	383	Spruce/ Moss/Lt/Bldrs	0
251459	664504	5678573	395	Spruce/ Moss/Lt/Bldrs	0
251460	664504	5678601	395	Spruce/ Moss/Lt/Bldrs	0

Sky Lake Property
2012 Humus Sample Descriptions

Field_Sample_#	Easting	Northing	Altitude	Description	pH
251461	664504	5678800	403	Spruce/ Moss/Lt/Bldrs/ near o/c	0
251462	664508	5678823	392	Spruce/ Moss/Lt/Bldrs/ near o/c	0
251463	664511	5678850	405	Spruce/ Moss/Lt/Bldrs/ near o/c	0
251464	664499	5678877	395	Spruce/Moss/Bldrs/LT/Low to the north	0
251465	664502	5678907	392	Alders/Moss/Spruce/Bog/-Wet	0
251466	664501	5678922	394	Alders/Moss/Spruce/Bog/-Wet -poor humus	0
251467	664504	5678955	389	Alders/Moss/Spruce/Bog/-Wet -poor humus	0
251468	664504	5678925	381	Alders/Moss/Spruce/Bog/-Wet - Average humus	0
251469	664506	5678999	385	Alders/Moss/Spruce/Bog/-Wet - Average humus	0
251470	664511	5679022	384	Alders/Moss/Spruce/Bog/-Wet - Average humus	0
251471	664500	5679048	384	Alders/Moss/Spruce/Bog/-Wet	0
251472	664497	5679074	384	Alders/Moss/Spruce/Bog/-Wet	0
2111001	669096.7	5679873	383	Pine willow, shoreline lake	7.3
2111002	669097	5679847	380	Pine willow moss, shoreline lake	7.4
2111003	669098.4	5679777	390	Pine lab moss, bog	7.4
2111004	669099.5	5679750	389	Pine birch moss lab, bog	7.4
2111005	669099	5679517	409	Birch maple pine, uneven	7.1
2111006	669101	5679480	408	Birch pine balsam, uneven	7.1
2111007	669096	5679133	410	Birch pine, flat	7.1
2111008	669098	5679020	397	Birch pine , uneven	7.2
2111009	668897.3	5679625	387	Pine lab moss, bog	7
2111010	668894	5679596	387	Pine moss, Boggy	7
2111011	668903	5678800	425	Pine moss, slight down slope	7
2111012	668902.9	5678777	399	Pine moss, uneven	7.1
2111013	668903	5678756	403	Pine moss, uneven	7
2111014	668900.2	5678731	395	Pine willow moss, uneven	7.3
2111015	668908	5678692	395	Pine moss, down slope S	7.1
2111016	668907	5678679	398	Pine moss, uneven	7
2111017	668900	5678598	399	Pine birch moss, uneven	7
2111018	668906.6	5678583	389	Pine birch, uneven	7.1
2111019	668906	5678539	378	Cedar pine willow, edge of lake	7.1
2111020	668398	5680118	374	Pine birch moss, flat	7.1
2111021	668400.2	5680154	371	Pine moss, uneven	7.4

Sky Lake Property
2012 Humus Sample Descriptions

Field_Sample_#	Easting	Northing	Altitude	Description	pH
2111022	668397.2	5680068	377	Pine moss, uneven	7.6
2111023	668393.4	5680040	382	Pine moss, uneven	7.5
2111024	668396.3	5680024	382	Pine moss, uneven	7.5
2111025	668396.3	5680024	382	Duplicate of 2111025	7.5
2111026	668398.6	5679991	382	Pine moss, uneven	7.5
2111027	668392.1	5679972	390	Pine moss uneven	7.5
2111028	668392.6	5679945	390	Pine moss, uneven	7.5
2111029	668393.1	5679919	386	Pine moss, uneven	7.3
2111030	668394.1	5679897	391	Pine moss balsam, uneven	7
2111031	668397	5679876	388	Pine balsam moss, uneven/bog	7
2111032	668393.2	5679842	391	Pine moss balsam, uneven	6.9
2111033	668396	5679823	390	Pine moss fir, uneven	6.9
2111034	668391.8	5679792	392	Pine moss fir cedar, uneven	7
2111035	668397.4	5679771	397	Pine moss, uneven	7.3
2111036	668391	5679521	401	Maple birch pine balsam, uneven	7.2
2111037	668395	5679406	398	Maple birch balsam, downslope S	7.2
2111038	668389.1	5679349	393	Pine birch moss, uneven & boggy	7
2111039	668397.2	5679223	385	Pine fir, bog	7
2111040	668396.6	5679171	385	Pine willow moss, bog	7
2111041	668399.1	5679147	386	Pine cedar, bog	7.2
2111042	668396.9	5679131	386	Pine fir moss, bog	7.1
2111043	668397.8	5679108	386	Pine juniper moss, bog	7
2111044	668399.5	5678998	382	Pine juniper moss, bog	7
2111045	668401.8	5678968	388	Pine beech moss, bog	7
2111046	668399.4	5678948	387	pine beech moss, uneven	7.1
2111047	668404.1	5678591	394	Pine birch moss, uneven	7.1
2111048	668407.7	5678551	366	pine moss, uneven	7.1
2111049	668404	5678523	389	pine moss, uneven	7
2111050	668404	5678523	389	Duplicate of 2111049	7.1
2111051	668408.3	5678477	356	Pine moss uneven	7.7
2111052	671305.9	5679349	351	Moss pine birch, down slope N	0
2111053	671301.5	5679377	387	Moss pine birch, down slope N	0
2111054	671301.3	5679400	378	Moss pine birch, down slope N	0

Sky Lake Property
2012 Humus Sample Descriptions

Field_Sample_#	Easting	Northing	Altitude	Description	pH
2111055	671300.2	5679426	368	Moss pine birch, down slope N	0
2111056	671302.4	5679450	379	Moss pine birch, down slope N	0
2111057	671300.7	5679478	372	Pine moss, boggy	0
2111058	671300.4	5679502	382	Pine moss, boggy	0
2111059	671299.1	5679526	383	Pine moss, boggy	0
2111060	671301.7	5679553	380	Pine moss, boggy	0
2111061	671301.8	5679577	387	Pine moss, boggy	0
2111062	671299.7	5679602	386	Pine moss, boggy	0
2111063	671295.9	5679623	383	Moss tamarack, bog	0
2111064	671297.1	5679701	384	Pine moss, boggy	0
2111065	671299.1	5679724	380	Cedar, bog	0
2111066	671301.6	5679752	376	cedar moss, bog	0
2111067	671299.7	5679777	380	Cedar pine, bog	0
2111068	671299.9	5679803	382	Cedar pine, bog	0
2111069	671300.6	5679826	371	Cedar pine, bog	0
2111070	671299.3	5679947	381	Cedar pine, bog	0
2111071	671498.4	5679948	369	Pine moss, uneven	0
2111072	671500	5679824	372	Pine moss, uneven	0
2111073	671502.1	5679726	382	Moss pine, bog	0
2111074	671497	5679651	384	Moss, outcrop	0
2111075	671497	5679651	384	Duplicate of 2111074	0
2111076	671500.6	5679626	392	Moss pine, uneven	0
2111077	671500.7	5679577	384	Moss pine, uneven	0
2111078	671497.9	5679545	393	Moss pine, small upslope S	0
2111079	671501	5679525	387	Moss pine, uneven	0
2111080	671501.2	5679501	383	Moss pine, uneven	0
2111081	671700.1	5679427	401	Moss pine, Downslope E	0
2111082	671699.7	5679455	390	Moss pine, uneven	0
2111086	664104.6	5678323	375	Moss pine , flat(boggy)	0
2111087	671698.8	5679404	401	Pine birch moss flat	0
2111088	671701	5679352	396	Pine birch moss flat	0
2111089	671702.1	5679301	400	Pine birch moss flat	0
2111090	671501	5679302	413	Birch maple pine, flat	0

Sky Lake Property
2012 Humus Sample Descriptions

Field_Sample_#	Easting	Northing	Altitude	Description	pH
2111091	671498.4	5679324	413	Birch maple pine, uneven	0
2111092	664102.1	5678350	387	Pine moss, flat (wet)	0
2111093	664100.9	5678375	391	Pine moss, flat (wet)	0
2111094	664100.9	5678400	392	Pine moss, flat (wet)	0
2111095	664100.3	5678424	388	Pine moss, flat (wet)	0
2111096	664101	5678451	394	Pine moss, flat (wet)	0
2111097	664100.7	5678475	388	Pine moss, flat (wet)	0
2111098	664101.2	5678502	389	Pine moss, flat (wet)	0
2111099	664097.8	5678526	383	Pine moss, flat (wet)	0
2111100	664097.8	5678526	383	Duplicate of 2111099	0
2111101	664100.1	5678550	391	Pine moss, flat (wet)	0
2111102	664099.4	5678578	382	Pine moss, flat (wet)	0
2111103	664100.3	5678601	387	Pine moss, flat (wet)	0
2111104	664100.2	5678626	384	Pine moss, flat (wet)	0
2111105	664099.3	5678652	395	Pine moss, flat (wet)	0
2111106	664099.6	5678676	395	Pine moss, flat (wet)	0
2111107	664099.9	5678704	391	Pine moss, flat (wet)	0
2111108	664100.7	5678798	390	Pine moss, flat (wet)	0
2111109	664099.5	5678825	392	Pine moss, flat (wet)	0
2111110	664099.7	5678853	388	Pine moss, flat (wet)	0
2111111	664100.1	5678875	393	Pine moss, flat (wet)	0
2111112	664101.7	5678901	395	Pine moss birch, flat (wet)	0
2111113	664100.3	5678923	389	Pine moss birch, flat (wet)	0
2111114	664101.9	5678953	391	Pine moss birch, uneven	0
2111115	664100.5	5678975	387	Pine moss birch balsam maple, uneven	0
2111116	664101	5679025	388	Pine moss birch balsam maple, uneven	0
2111117	664102	5679047	388	Pine moss birch balsam maple, uneven	0
2111118	664099	5679079	391	Pine moss birch balsam maple, uneven	0
2131001	668997	5679700	390	Spruce, peat moss	7.84
2131002	669001	5679676	391	Spruce, peat moss	3.9
2131003	669004.3	5679655	395	Spruce, peat moss, (humus profile weak)	4.03
2131004	669002.4	5679630	400	Spruce, peat moss, (humus profile weak)	3.87
2131005	669004.1	5679536	403	Spruce, birch, poplar	4.87

Sky Lake Property
2012 Humus Sample Descriptions

Field_Sample_#	Easting	Northing	Altitude	Description	pH
2131006	669008.1	5679508	404	older poplar, younger birch	4.62
2131007	669008.2	5679478	408	older poplar, younger birch	5.63
2131008	668808.1	5679525	391	Spruce, peat moss, (abundant wood fragments)	7.16
2131009	668806.8	5679497	392	Spruce, peat moss, (abundant wood fragments)	6.25
2131010	668804.7	5679470	395	Spruce, peat moss, (abundant wood fragments)	4.35
2131011	668799.7	5678872	401	fir, poplar, birch	7.37
2131012	668795.9	5678850	399	fir, poplar, birch	7.42
2131013	668798	5678828	399	fir, poplar, birch	7.3
2131014	668796.9	5678801	400	Spruce, peat moss	7.33
2131015	668793.1	5678770	395	Spruce, peat moss	7.28
2131016	668795.2	5678745	395	Spruce, birch, some peat moss	7.35
2131017	668798.7	5678717	393	Spruce, peat moss	7.42
2131018	668800.3	5678697	393	Spruce, peat moss	7.16
2131019	668799.3	5678673	392	Spruce, peat moss	7.21
2131020	668802.1	5678644	388	Spruce, peat moss	7.2
2131021	668802	5678614	383	Spruce, peat moss	7.2
2131022	668802.9	5678586	382	Spruce, peat moss	7.29
2131023	668598.6	5679266	392	Spruce, peat moss	7.23
2131024	668597.2	5679246	396	Spruce, peat moss	7.28
2131025	668599.6	5678746	405	Spruce, birch, poplar	7.3
2131026	668601.3	5678647	395	Mostly spruce, some birch	7.26
2131027	668599.4	5678627	395	Spruce, peat moss	7.26
2131028	668609.7	5678580	392	Spruce, peat moss	7.26
2131029	668609.5	5678555	389	Spruce, peat moss	7.24
2131030	668605.3	5678517	389	Spruce, peat moss	7.24
2131031	668609.9	5678501	390	Spruce, peat moss	7.24
2131032	668298.2	5679012	386	Spruce, peat moss	7.26
2131033	668297.4	5678987	383	Spruce, peat moss	7.28
2131034	668300	5678965	382	Labrador tea, cedar, peat	7.27
2131035	668296.2	5678944	381	Labrador tea, cedar, peat	7.26
2131036	668303.4	5678913	380	Labrador tea, cedar, peat	7.26
2131037	668300.6	5678890	382	Labrador tea, cedar, peat	7.23
2131038	668302.6	5678875	379	Spruce, labrador tea, peat	7.48

Sky Lake Property
2012 Humus Sample Descriptions

Field_Sample_#	Easting	Northing	Altitude	Description	pH
2131039	668303.8	5678850	381	Spruce, labrador tea, peat	7.18
2131040	668298	5678827	383	Spruce, labrador tea, peat	7.48
2131041	668302.2	5678797	385	Spruce, labrador tea, peat	7.26
2131042	668300.7	5678775	387	Spruce, labrador tea, peat	7.35
2131043	668301.1	5678751	387	Spruce, peat	7.07
2131044	668303.1	5678728	392	Spruce, peat	6.96
2131045	668305.7	5678698	393	Spruce, peat	6.99
2131046	668305.9	5678677	392	Spruce, peat	6.97
2131047	668299.4	5678552	391	Spruce, peat	6.99
2131048	668302.5	5678528	384	labrador tea, spruce, peat	7.01
2131049	668302.3	5678506	384	labrador tea, spruce, peat, cedar	6.97
2131050	668304	5678456	383	labrador tea, spruce, peat	6.66
2131051	668297.1	5678428	386	labrador tea, spruce, peat	6.99
2131052	668303.6	5678404	385	Pine, peat	6.91
2131053	668098.3	5678920	388	spruce, pine, poplar	6.98
2131054	668099.5	5678875	387	spruce, peat	7.02
2131055	668096.6	5678850	389	spruce, peat	6.93
2131056	668102.6	5678827	388	spruce, peat	6.94
2131057	668100.6	5678804	387	spruce, peat, labrador tea	6.96
2131058	668101.5	5678779	388	spruce, peat, labrador tea	6.98
2131059	668102.7	5678755	388	spruce, peat, labrador tea	6.96
2131060	668102.2	5678723	389	spruce, peat, labrador tea	6.97
2131061	668102.4	5678701	389	spruce, peat, labrador tea	6.97
2131062	667900.5	5678999	404	Spruce	6.97
2131063	667911.6	5678683	392	Spruce, peat	7
2131064	667901.8	5678653	391	Spruce, peat	6.97
2131065	667889.6	5678633	393	Spruce, peat	6.98
2131066	668003.8	5678803	395	Spruce, peat	7.18
2131067	668011.5	5678776	395	Spruce, peat	7.01
2131068	668004.4	5678751	394	Spruce, peat	0
2131069	672207.7	5680199	424	Spruce, peat	0
2131070	672205	5680171	418	Spruce, peat	0
2131071	672201	5680145	409	Spruce, peat	0

Sky Lake Property
2012 Humus Sample Descriptions

Field_Sample_#	Easting	Northing	Altitude	Description	pH
2131072	672200.4	5680124	394	birch, spruce	0
2131073	672199.9	5680092	400	birch, spruce, poplar	0
2131074	672200	5680076	398	birch, spruce, poplar	0
2131075	672207.8	5679995	390	birch, spruce, poplar Duplicate of 2131076	0
2131076	672207.8	5679995	390	birch, spruce, poplar	0
2131077	672206	5679974	397	birch, spruce, poplar	0
2131078	672201.8	5679947	395	birch, spruce, poplar	0
2131079	672195.1	5679921	395	spruce, peat, labrador tea	0
2131080	672203.2	5679898	395	spruce, peat, labrador tea	0
2131081	672200.5	5679873	388	spruce, peat, labrador tea	0
2131082	672205.3	5679849	397	spruce, peat, labrador tea	0
2131083	672200.3	5679826	395	spruce, peat, labrador tea	0
2131084	672202.7	5679776	396	spruce, peat, labrador tea	0
2131085	672200.2	5679750	368	spruce, peat, labrador tea	0
2131086	668203.3	5678458	384	Spruce, alders, peat moss	5.73
2131087	668200.3	5678432	387	Spruce, peat moss	5.67
2131088	668008.3	5678725	388	spruce, peat, labrador tea	5.51
2131089	668010.6	5678701	387	spruce, peat, labrador tea	5.56
2131090	668007.4	5678675	388	spruce, peat, labrador tea	5.61
2131091	668007	5678646	388	spruce, peat, labrador tea	5.55
2131092	668002.1	5678527	385	spruce, peat, labrador tea, cedar	5.46
2131093	668003.2	5678498	385	spruce, peat, labrador tea, cedar	5.55
2131094	667998.1	5678450	384	spruce, peat, labrador tea, cedar	5.51
2131095	668002.3	5678429	387	Spruce, peat	5.53
2131096	668000	5678403	388	Spruce, peat	5.44
2131097	667999.4	5678377	389	Spruce, birch, poplar, peat	5.4
2131098	668006.2	5678352	390	Spruce, birch, poplar, peat	5.38
2131099	667996.6	5678299	392	Spruce, birch, poplar, peat	5.34
2131100	667996.6	5678299	392	Spruce, birch, poplar, peat Duplicate of 213099	4.74
2131101	667990.1	5678272	394	poplar, birch, spruce	5.2
2131102	667991.3	5678250	397	poplar, birch, spruce	5.16
2131103	664294.5	5678332	371	Spruce, peat, labrador tea	0
2131104	664297	5678345	386	Spruce, peat, labrador tea	0

Sky Lake Property
2012 Humus Sample Descriptions

Field_Sample_#	Easting	Northing	Altitude	Description	pH
2131105	664297.1	5678450	383	Spruce, peat, labrador tea	0
2131106	664297.3	5678473	385	Spruce, peat	0
2131107	664297.4	5678505	391	Spruce, peat, poplar	0
2131108	664296.5	5678627	394	Spruce, peat, labrador tea	0
2131109	664299.9	5678648	396	Spruce, peat, labrador tea	0
2131110	664296.7	5678677	395	Spruce, peat, labrador tea	0
2131111	664303.9	5678722	391	Spruce, peat, labrador tea	0
2131112	664302.2	5678750	392	Spruce, peat, labrador tea	0
2131113	664306.2	5678827	395	Spruce, peat, labrador tea	0
2131114	664298.8	5678852	394	Spruce, peat, labrador tea	0
2131115	664299.1	5678902	394	Spruce, alders, peat moss	0
2131116	664299.2	5678927	392	Spruce, alders, peat moss	0
2131117	664296.8	5678951	393	Spruce, alders, peat moss	0
2131118	664297.7	5678976	392	Spruce, alders, peat moss	0
2131119	664301.6	5679001	391	Spruce, alders, peat moss	0
2131120	664299.1	5679027	380	Spruce, alders, labrador tea	0

APPENDIX D
Activation Laboratories sample preparation and procedures



Code 1A2

Fire Assay

A 30 g sample is mixed with fluxes (materials such as borax, soda ash, silica) and lead. The sample with the fluxes is then added to a crucible, placed in a 1000°C to 1200°C assay furnace and left for a predetermined time, to melt or “fuse” the contents of the crucible. The crucibles are then removed from the assay furnace and the molten slag (lighter material) is carefully poured from the crucible into a mould, leaving a lead button at the base of the mould. When cooled, the lead button is placed in a cupel which is designed to absorb the lead when heated to the melting point, leaving only a tiny metal bead of Ag which contains Au.

AA

The entire bead is dissolved in acid and the gold content is determined by AA (Atomic Absorption). AA is an instrumental method of determining element concentration by introducing an element in its atomic form, to a light beam of appropriate wavelength causing the atom to absorb light – atomic absorption. The reduction in the intensity of the light beam directly correlates with the concentration of the elemental atomic species.

Code 1A2 (Fire Assay-AA) Detection Limits (ppb)

Element	Detection Limit	Upper Limit
Au	5	3,000

Note: If value exceeds upper limit, reanalysis by Fire Assay-Gravimetric (Code 1A3) is recommended.



Code Ultratrace-1

A 0.5 g sample is digested in aqua regia at 90°C in a microprocessor controlled digestion box for 2 hours. The solution is diluted and analyzed by ICP/MS using a Perkin Elmer SCIEX ELAN 6100. International certified reference materials USGS GXR-1, GXR-2, GXR-4 and GXR-6 are analyzed at the beginning and end of each batch of samples. Internal control standards are analyzed every 10 samples and a duplicate is run for every 10 samples.

Code Ultratrace-1 Elements and Detection Limits (ppm)

Element	Detection Limit	Upper Limit
Au*	0.2 ppb	20,000 ppb
Ag*	0.05	200
Cu	0.1	10,000
Cd	0.1	200
Mn*	1	10,000
Mo	0.01	1,000
Pb*	0.01	1,000
Ni*	0.1	5,000
Zn*	0.1	10,000
As*	0.1	10,000
B*	1	5,000
Ba*	0.5	6,000
Sb	0.02	500
W*	0.2	200
Al*	0.01%	10%
Be*	0.1	1,000
Bi	0.02	2,000
Ca*	0.01%	50%

Element	Detection Limit	Upper Limit
Ce*	0.01	200
Co	0.1	500
Cr*	0.5	500
Cs*	0.1	100
Eu*	0.1	100
Fe*	0.01%	50%
Ga*	0.02	500
Ge*	0.1	500
Hf*	0.1	500
In	0.02	100
K*	0.01%	5
La*	0.5	200
Li	0.5	1,000
Lu*	0.1	100
Mg*	0.01%	10%
Na*	0.001%	1%
Nb*	0.1	500

Element	Detection Limit	Upper Limit
Nd*	0.1	200
Rb*	0.1	500
Re	0.001	100
Se	0.1	1,000
Sm*	0.1	100
Sn*	0.05	200
Sr*	0.5	1,000
Ta*	0.05	50
Tb*	0.1	100
Te	0.02	500
Th*	0.1	200
Tl*	0.02	500
U*	0.1	200
V*	1	1,000
Y*	0.1	500
Yb*	0.1	200
Zr*	0.1	5,000

Note: * May not be total. Unaltered silicates and resistate minerals may not be dissolved.

Code 2A

Humus samples weighing 6 to 15 g are compressed under 30 tons of pressure to form a briquette (smaller samples are weighed in vials). Briquettes are stacked and irradiated at a thermal flux of $7 \times 10^{12} \text{ n cm}^{-2} \text{ s}^{-1}$ for 15 minutes. After a 7 day decay samples are counted on a high purity Ge Detector with a resolution of better than 1.7 Kev for the 1332 Kev photopeak. Intensities for gamma rays are decay corrected and compared to a calibration developed from multiple certified reference materials.

Description of lines used is available in Hoffman, E.L. 1992. Instrumental Neutron Activation in Geoanalysis. Journal of Geochemical Exploration, volume 44, pp. 297-319.

Code 2A (Humus) Elements and Detection Limits (ppm)

Element	Detection Limit
Ag	2
As	1
Au	1 ppb
Ba	100
Br	1
Ca	0.5%
Ce	1
Co	1
Cr	1

Element	Detection Limit
Cs	0.5
Eu	0.2
Fe	0.05%
Hf	0.5
Hg	0.5
Ir	5 ppb
La	0.1
Lu	0.01
Mo	0.5

Element	Detection Limit
Na	100
Nd	3
Ni	10
Rb	20
Sb	0.1
Sc	0.1
Se	2
Sm	0.1

Element	Detection Limit
Sr	100
Ta	0.5
Tb	0.2
Th	0.5
U	0.1
W	1
Yb	0.1
Zn	20



Code 2C1

Vegetation samples are ashed at 475° over a 24 hour period. The ash sample is digested with aqua regia for 2 hours at 95°C and analyzed by ICP using a Perkin Elmer Optima 3000.

Code 2C1 (Vegetation Ash-ICP/OES) Elements and Detection Limits (ppm)

Element	Detection Limit
Ag	0.2
Cu	1
Mo	1
Ni	1
Pb	1
Zn	1

APPENDIX E
Activation Laboratories Certificate of Analysis (Soil)
Certificate # A12-08440 Final



Date Submitted: 07-Aug-12
Invoice No.: A12-08440
Invoice Date: 28-Aug-12
Your Reference: SKY LAKE

TRI Origin Exploration
125 Don Hillock Dr.
Aurora Ontario L4G 0H8

ATTN: Senior Geologist Frank Kendle

CERTIFICATE OF ANALYSIS

433 Soil samples were submitted for analysis.

The following analytical packages were requested: Code 1A2 Au - Fire Assay AA
Code UT-1-0.5g Aqua Regia ICP/MS

REPORT **A12-08440**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Assays are recommended for values >10,000 for Cu and Au. Due to matrix change used in AR-MS analysis, the detection limits for Au has been modified to 5ppb. The AU from AR-MS is only semi-quantitative. For accurate Au data, fire assay is recommended.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "Emmanuel Esemé". The signature is written over a horizontal line.

Emmanuel Esemé , Ph.D.

Quality Control



ACTIVATION LABORATORIES LTD.

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Activation Laboratories Ltd. Report: A12-08440

Analyte Symbol	Au	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	ppb	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	5	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1
Analysis Method	FA-AA	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
2132145	< 5	11.4	0.3	1	0.020	0.22	1.05	0.05	0.11	0.20	1.8	40	28.1	68	1.33	4.4	11.5	10.1	20.0	5.97	< 0.1	2.6	0.2	6.6
2132146	< 5	44.8	0.4	4	0.023	0.44	1.80	0.13	0.14	0.74	3.9	46	37.9	249	1.60	8.7	27.2	24.9	49.9	6.20	< 0.1	2.9	0.3	34.3
2132147	< 5	21.0	0.3	3	0.019	0.43	1.06	0.09	0.09	0.30	2.6	51	38.0	175	1.50	8.3	22.7	13.2	32.3	5.96	< 0.1	4.1	< 0.1	19.3
2132148	< 5	22.6	0.3	3	0.022	0.50	1.22	0.10	0.14	0.29	2.7	70	41.6	116	1.84	7.3	17.3	7.76	38.1	9.91	< 0.1	3.5	< 0.1	21.0
2132149	< 5	11.8	0.3	2	0.020	0.28	1.25	0.04	0.05	0.34	2.4	27	31.0	75	1.02	7.6	16.5	9.75	15.8	2.70	< 0.1	1.0	< 0.1	4.2
2132150	< 5	13.3	0.3	2	0.016	0.25	1.31	0.04	0.04	0.26	2.1	25	28.6	66	1.03	7.7	17.6	9.77	14.6	2.64	< 0.1	1.2	< 0.1	4.4
2132151	< 5	8.3	0.2	< 1	0.016	0.11	0.90	0.04	0.06	0.18	1.7	29	17.9	63	0.78	1.8	4.2	2.08	11.4	4.56	< 0.1	< 0.1	< 0.1	10.1
2132152	< 5	23.6	0.4	2	0.017	0.26	1.56	0.07	0.09	0.22	2.5	48	35.6	92	1.72	7.6	16.6	8.50	33.3	5.81	< 0.1	1.4	0.2	12.6
2132153	6	21.8	0.4	2	0.018	0.33	1.37	0.06	0.04	0.35	2.7	34	42.8	90	1.22	10.1	26.7	18.4	22.3	2.95	< 0.1	1.4	0.2	6.8
2132154	< 5	13.0	0.1	2	0.016	0.26	0.89	0.06	0.06	0.18	1.8	44	27.4	63	1.07	4.0	8.4	27.1	34.5	5.95	< 0.1	1.0	0.1	8.0
2132155	17	7.8	0.2	< 1	0.017	0.25	0.77	0.05	0.07	0.31	1.9	25	24.0	75	1.00	4.6	17.3	12.7	14.4	2.84	< 0.1	3.1	< 0.1	5.6
2132156	< 5	12.3	0.2	3	0.013	0.27	0.87	0.05	0.04	0.27	2.1	30	30.5	72	0.94	5.1	18.6	9.76	21.5	3.33	< 0.1	1.7	0.2	6.8
2132157	< 5	11.8	0.3	3	0.020	0.31	0.90	0.05	0.05	0.33	2.5	31	29.6	100	0.90	6.7	15.6	11.1	19.9	3.33	< 0.1	1.3	< 0.1	6.0
2132158	< 5	11.8	0.2	2	0.020	0.35	0.76	0.06	0.07	0.38	1.9	32	29.9	89	1.02	5.4	12.8	4.60	23.9	3.76	< 0.1	0.9	< 0.1	11.6
2132159	< 5	10.9	0.3	1	0.017	0.32	0.94	0.06	0.07	0.38	1.9	27	28.8	97	1.12	7.6	17.6	9.04	18.5	2.87	< 0.1	1.0	< 0.1	7.2
2132160	< 5	9.2	0.2	2	0.009	0.20	0.62	0.03	0.04	0.26	1.1	20	17.4	56	0.78	4.9	11.5	4.98	12.2	1.84	< 0.1	0.6	< 0.1	4.2
2112029 EXTRA	< 5	23.0	0.3	2	0.027	1.44	1.94	0.17	0.03	1.01	8.8	104	282	328	2.43	17.7	83.2	45.6	58.3	6.66	0.2	4.9	0.2	9.4

Activation Laboratories Ltd. Report: A12-08440

Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
2132145	9.5	2.35	2.1	1.4	0.35	< 0.002	0.03	< 0.02	0.53	< 0.02	< 0.02	0.81	31.0	7.1	16.9	1.7	6.15	1.1	0.2	0.9	0.1	0.6	< 0.1	0.2
2132146	19.8	4.49	0.8	1.1	0.27	0.087	0.04	< 0.02	0.61	< 0.02	< 0.02	2.18	94.7	12.6	22.5	3.0	10.6	1.8	0.3	1.3	0.2	1.0	0.2	0.5
2132147	12.2	2.80	2.2	1.3	0.32	< 0.002	0.03	< 0.02	0.44	< 0.02	< 0.02	1.09	55.4	7.1	17.9	1.7	6.20	1.1	0.2	0.7	< 0.1	0.5	0.1	0.3
2132148	15.6	2.57	3.6	1.5	0.28	0.057	0.02	< 0.02	0.70	< 0.02	< 0.02	1.28	52.4	7.2	15.5	1.8	6.47	1.1	0.2	0.7	< 0.1	0.5	< 0.1	0.3
2132149	11.4	4.61	3.1	1.3	0.06	< 0.002	0.02	< 0.02	0.28	< 0.02	< 0.02	0.39	26.6	9.9	22.3	2.7	10.5	2.0	0.3	1.4	0.2	0.9	0.2	0.5
2132150	8.6	3.16	2.9	1.1	0.09	< 0.002	0.02	< 0.02	0.24	< 0.02	< 0.02	0.43	28.8	6.7	15.4	1.8	7.04	1.4	0.3	1.1	0.1	0.7	0.1	0.3
2132151	10.9	2.03	2.4	1.2	0.20	< 0.002	0.02	< 0.02	0.58	< 0.02	< 0.02	0.62	25.7	7.0	14.4	1.5	5.46	1.0	0.2	0.8	< 0.1	0.5	< 0.1	0.2
2132152	12.3	2.45	3.0	1.6	0.33	0.058	0.04	< 0.02	0.53	< 0.02	< 0.02	0.80	47.3	7.4	15.4	1.6	5.57	1.0	0.2	0.7	< 0.1	0.5	< 0.1	0.3
2132153	11.0	3.92	3.0	1.4	0.10	< 0.002	0.03	< 0.02	0.26	< 0.02	< 0.02	0.54	33.3	8.6	22.8	2.1	7.67	1.4	0.2	0.9	0.1	0.8	0.1	0.4
2132154	12.4	1.75	2.8	1.2	0.17	< 0.002	0.05	< 0.02	0.62	< 0.02	< 0.02	0.51	21.2	4.9	10.9	1.2	4.55	0.8	0.1	0.5	< 0.1	0.3	< 0.1	0.2
2132155	11.6	3.65	2.8	1.2	0.47	< 0.002	0.01	< 0.02	0.26	< 0.02	< 0.02	0.44	24.1	7.7	17.3	1.9	7.32	1.5	0.3	1.2	0.2	0.7	0.1	0.4
2132156	10.3	3.55	1.0	1.1	0.16	< 0.002	0.03	< 0.02	0.29	< 0.02	< 0.02	0.52	30.1	9.3	20.3	2.3	7.96	1.4	0.2	1.0	0.1	0.7	0.1	0.3
2132157	13.2	5.19	1.7	0.8	0.10	< 0.002	0.03	< 0.02	0.29	< 0.02	< 0.02	0.44	30.8	11.4	26.7	3.0	11.2	2.0	0.3	1.3	0.2	0.9	0.2	0.5
2132158	13.9	3.38	2.9	0.9	0.19	< 0.002	0.01	< 0.02	0.31	< 0.02	< 0.02	0.72	23.7	8.1	17.6	2.1	7.90	1.4	0.3	1.0	0.1	0.6	0.1	0.3
2132159	13.1	3.88	3.1	1.1	0.12	< 0.002	0.01	< 0.02	0.24	< 0.02	< 0.02	0.62	28.1	7.7	18.9	2.0	7.67	1.5	0.3	1.2	0.2	0.8	0.1	0.4
2132160	8.5	3.22	1.7	1.2	0.14	< 0.002	0.01	< 0.02	0.19	< 0.02	< 0.02	0.36	14.0	6.8	14.3	1.7	6.17	1.1	0.2	0.9	0.1	0.7	0.1	0.3
2112029 EXTRA	16.9	4.87	2.7	0.2	0.02	< 0.002	0.02	< 0.02	0.14	< 0.02	< 0.02	1.10	71.5	10.4	31.9	2.7	10.5	1.9	0.4	1.4	0.2	1.0	0.2	0.5

Activation Laboratories Ltd. Report: A12-08440

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.05	0.1	0.001	5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
252103	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	4.03	2.1	0.3
252104	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	3.24	2.0	0.2
252105	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	3.57	3.1	0.3
252106	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	3.66	1.9	0.2
252107	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	9	0.04	4.02	2.0	0.2
252108	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.96	1.9	0.2
252109	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.18	1.8	0.2
252110	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	0.04	4.68	2.5	0.3
252111	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	4.20	2.4	0.3
252112	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	2.88	1.7	0.2
252113	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	4.11	2.4	0.2
252114	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	4.43	1.8	0.2
252115	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	4.16	2.7	0.3
252116	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	2.95	1.7	0.3
252117	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.54	1.5	0.2
252118	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	4.46	2.2	0.2
252119	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.5	< 0.001	< 5	0.04	3.83	2.0	0.2
252120	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.70	2.2	0.2
252121	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	2.98	1.7	0.2
252122	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 5	0.04	2.78	1.6	0.2
252123	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.2	< 0.001	< 5	0.07	5.71	2.3	0.3
252124	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.75	2.5	0.3
252125	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.6	< 0.001	< 5	0.03	2.88	1.4	0.2
252126	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.31	1.6	0.3
252127	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	2.45	1.8	0.3
252128	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	3.05	1.8	0.2
252129	< 0.1	0.4	< 0.1	< 0.1	< 0.05	1.4	< 0.001	< 5	0.05	3.38	2.3	0.8
252130	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	3.38	2.1	0.2
252131	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.4	< 0.001	< 5	0.04	4.22	2.3	0.3
252132	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	4.27	2.2	0.2
252133	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	4.55	2.2	0.4
252134	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	5.31	1.9	0.2
252135	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	3.44	2.2	0.2
252136	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	3.84	1.9	0.2
252137	< 0.1	0.2	< 0.1	1.4	< 0.05	< 0.1	< 0.001	< 5	0.03	3.96	1.6	0.2
252138	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.85	4.9	0.3
252139	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	4.58	2.3	0.3
252140	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.79	2.4	0.2
252141	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.46	2.1	0.3
252142	< 0.1	0.3	< 0.1	< 0.1	< 0.05	0.2	0.001	< 5	0.05	4.12	2.6	0.3
252143	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	3.64	2.3	0.3
252144	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	4.90	2.7	0.3
252145	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.7	< 0.001	< 5	0.04	3.06	2.5	0.3
252146	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.006	< 5	0.05	5.25	1.8	0.3
252147	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.006	< 5	0.07	4.68	2.0	0.3
252148	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.006	< 5	0.07	6.84	1.7	0.3
252149	< 0.1	0.2	< 0.1	< 0.1	< 0.05	1.7	0.006	< 5	0.04	3.21	1.7	0.3
252150	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.006	< 5	0.04	3.14	3.7	0.3
252151	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.006	< 5	0.05	5.18	2.2	0.3
252152	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.3	0.007	< 5	0.04	3.28	1.9	0.3
252153	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.2	0.006	< 5	0.07	5.24	2.1	0.3
252154	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.007	< 5	0.04	2.61	1.3	0.2

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Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.05	0.1	0.001	5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
252155	< 0.1	0.2	< 0.1	< 0.1	< 0.05	2.3	0.007	< 5	0.06	4.90	2.8	0.3
252156	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.005	< 5	0.04	2.93	2.2	0.3
252157	< 0.1	0.3	< 0.1	< 0.1	< 0.05	0.1	0.006	< 5	0.06	3.06	2.0	0.5
252158	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	0.008	< 5	0.07	2.19	2.1	0.3
252159	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.5	0.007	< 5	0.05	4.13	2.0	0.3
252160	< 0.1	0.2	< 0.1	0.2	< 0.05	0.8	0.008	< 5	0.11	5.02	2.2	0.3
252161	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.007	< 5	0.04	3.22	2.0	0.3
252162	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.008	< 5	0.04	3.39	2.5	0.3
252163	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.009	< 5	0.05	4.06	1.9	0.2
252164	< 0.1	0.3	< 0.1	< 0.1	< 0.05	0.1	0.036	< 5	0.12	8.84	1.2	0.4
252165	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.048	< 5	0.10	5.46	1.9	0.3
252166	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.040	< 5	0.06	4.59	2.0	0.2
252167	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.031	< 5	0.07	5.39	1.9	0.3
252168	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.032	< 5	0.06	5.05	2.1	0.3
252169	< 0.1	0.2	< 0.1	< 0.1	< 0.05	3.2	0.032	< 5	0.07	4.47	2.5	0.3
252170	< 0.1	0.2	< 0.1	0.1	< 0.05	2.5	0.035	< 5	0.12	5.73	2.6	0.4
252171	< 0.1	0.3	< 0.1	< 0.1	< 0.05	0.1	0.035	< 5	0.10	5.98	2.0	0.4
252172	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.028	< 5	0.06	4.57	1.4	0.2
252173	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.028	< 5	0.12	5.50	2.4	0.4
252174	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	0.032	< 5	0.08	3.45	3.1	0.3
252175	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	0.033	< 5	0.08	4.18	2.7	0.3
252176	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.032	< 5	0.05	4.11	1.6	0.2
252177	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.030	< 5	0.07	4.55	2.1	0.3
252178	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.033	6	0.06	3.39	2.5	0.3
252179	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.032	< 5	0.05	3.55	2.5	0.3
252180	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.030	< 5	0.06	4.83	2.1	0.3
252181	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.032	< 5	0.07	4.07	1.8	0.3
252182	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.031	< 5	0.07	3.71	2.0	0.2
252183	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.031	< 5	0.05	3.59	2.1	0.3
252184	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.030	< 5	0.06	5.16	1.8	0.2
252185	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.036	< 5	0.06	3.94	2.5	0.3
252186	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.032	< 5	0.06	4.86	2.5	0.3
252187	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.029	< 5	0.05	3.13	1.7	0.2
252188	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.029	< 5	0.05	2.78	1.5	0.2
252189	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.032	< 5	0.06	2.46	1.9	0.3
252190	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.032	< 5	0.05	3.35	3.6	0.3
252191	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.029	< 5	0.05	3.86	2.2	0.3
252192	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.030	< 5	0.06	4.18	1.9	0.3
252193	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.032	< 5	0.06	4.43	2.4	0.3
252194	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.4	0.032	< 5	0.06	4.21	2.8	0.3
252195	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.033	< 5	0.06	3.73	2.3	0.3
252196	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.033	< 5	0.05	2.75	1.7	0.2
252197	< 0.1	0.3	< 0.1	0.1	< 0.05	< 0.1	0.033	8	0.06	3.65	1.9	0.3
252198	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	0.033	< 5	0.10	4.46	3.4	0.5
252199	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.033	< 5	0.08	4.76	2.5	0.3
252200	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.028	< 5	0.07	4.36	2.1	0.3
252201	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.032	8	0.09	4.45	2.5	0.4
252202	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.032	< 5	0.07	4.51	1.3	0.2
252203	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.033	< 5	0.06	3.38	2.1	0.3
252204	< 0.1	0.2	< 0.1	0.2	< 0.05	< 0.1	0.029	< 5	0.06	4.90	1.6	0.4
252205	< 0.1	0.2	< 0.1	0.2	< 0.05	< 0.1	0.029	< 5	0.07	2.80	1.7	0.3
252206	< 0.1	0.2	< 0.1	0.1	< 0.05	< 0.1	0.030	< 5	0.08	5.70	2.3	0.3

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Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.05	0.1	0.001	5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
252207	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.034	< 5	0.07	4.19	1.6	0.2
252208	< 0.1	0.2	< 0.1	0.2	< 0.05	< 0.1	0.033	< 5	0.09	9.14	3.7	0.3
252209	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	0.031	< 5	0.14	4.31	3.5	0.5
252210	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.031	< 5	0.08	4.75	2.2	0.4
252211	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.030	< 5	0.09	5.33	2.2	0.3
252212	< 0.1	0.2	< 0.1	0.1	< 0.05	< 0.1	0.030	< 5	0.08	8.97	2.9	0.4
252213	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.030	< 5	0.10	7.73	2.9	0.4
252214	< 0.1	0.2	< 0.1	0.1	< 0.05	< 0.1	0.035	< 5	0.09	6.00	2.6	0.3
252215	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.031	< 5	0.06	2.91	2.7	0.2
252216	< 0.1	0.2	< 0.1	0.1	< 0.05	< 0.1	0.032	< 5	0.09	4.89	2.4	0.3
252217	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.033	< 5	0.07	4.65	2.2	0.3
252218	< 0.1	0.3	< 0.1	0.1	< 0.05	< 0.1	0.031	< 5	0.05	4.88	3.5	0.3
252219	< 0.1	0.3	< 0.1	0.1	< 0.05	< 0.1	0.033	< 5	0.09	4.60	2.5	0.3
252220	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	0.031	< 5	0.07	3.67	1.3	0.2
252221	< 0.1	0.5	< 0.1	0.1	< 0.05	< 0.1	0.031	< 5	0.09	5.45	3.0	0.9
252222	< 0.1	0.3	< 0.1	0.2	< 0.05	< 0.1	0.036	< 5	0.07	5.92	2.9	0.3
252223	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.030	< 5	0.08	5.11	2.4	0.3
252224	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.035	8	0.09	6.25	1.9	0.4
252225	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	0.031	< 5	0.08	2.84	2.4	0.3
252226	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	0.030	< 5	0.09	2.42	2.9	0.3
252227	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.037	5	0.05	3.48	1.6	0.3
252228	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	0.035	< 5	0.08	2.90	2.6	0.3
252229	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.033	< 5	0.08	3.46	2.1	0.3
252230	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.033	< 5	0.07	3.04	1.9	0.3
252231	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.031	< 5	0.06	2.76	1.6	0.2
252232	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.033	9	0.08	4.37	2.2	0.3
252233	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	0.032	< 5	0.07	2.48	2.0	0.3
252234	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.035	< 5	0.05	2.29	1.9	0.2
252235	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.034	< 5	0.08	2.56	1.6	0.3
252236	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.031	< 5	0.07	3.69	2.0	0.3
252237	< 0.1	0.3	< 0.1	0.3	< 0.05	< 0.1	0.036	< 5	0.04	10.0	1.2	0.3
252238	< 0.1	0.4	< 0.1	< 0.1	< 0.05	1.4	0.034	< 5	0.10	7.71	2.1	0.6
252239	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.033	< 5	0.08	3.68	1.4	0.3
252240	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.032	< 5	0.09	3.80	2.3	0.4
252241	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	0.029	< 5	0.08	2.57	2.4	0.4
2112001	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.032	< 5	0.07	5.33	1.8	0.3
2112003	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.033	< 5	0.06	4.10	1.6	0.3
2112004	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.036	< 5	0.06	3.26	2.5	0.3
2112005	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.033	< 5	0.06	3.84	2.5	0.3
2112006	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.033	< 5	0.06	3.88	2.1	0.3
2112007	< 0.1	0.3	< 0.1	< 0.1	< 0.05	0.1	0.031	< 5	0.05	3.01	2.4	0.3
2112008	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.034	< 5	0.07	3.97	3.0	0.4
2112009	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.031	< 5	0.08	4.36	2.0	0.3
2112010	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.034	< 5	0.06	3.89	2.2	0.3
2112011	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.033	< 5	0.05	2.75	1.5	0.2
2112012	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.033	< 5	0.05	2.63	2.4	0.3
2112013	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.032	7	0.06	2.87	2.4	0.3
2112014	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.034	< 5	0.06	3.43	2.0	0.3
2112015	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.034	< 5	0.06	3.97	2.3	0.3
2112016	< 0.1	0.3	< 0.1	< 0.1	< 0.05	0.1	0.033	< 5	0.06	3.82	2.4	0.3
2112017	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.031	12	0.06	4.24	2.0	0.3
2112018	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.030	< 5	0.07	4.71	2.3	0.3

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Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.05	0.1	0.001	5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
2112019	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.032	< 5	0.08	4.55	2.9	0.3
2112020	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.033	< 5	0.06	3.48	2.1	0.3
2112021	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.032	< 5	0.06	3.87	2.3	0.3
2112022	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.033	< 5	0.06	3.26	1.8	0.3
2112023	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.034	< 5	0.08	3.75	1.7	0.3
2112024	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.4	0.032	< 5	0.06	3.39	1.5	0.2
2112025	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.2	0.034	21	0.06	3.86	1.7	0.2
2112026	< 0.1	0.3	< 0.1	< 0.1	< 0.05	0.9	0.033	< 5	0.08	3.30	1.7	0.3
2112027	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.4	0.033	< 5	0.09	5.40	2.1	0.3
2112028	< 0.1	0.3	< 0.1	< 0.1	< 0.05	0.7	0.037	16	0.09	3.26	1.4	0.3
2112030	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.034	< 5	0.08	3.94	2.3	0.3
2112031	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.032	< 5	0.07	3.14	2.0	0.3
2112032	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.032	< 5	0.06	3.24	1.5	0.2
2112033	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.031	< 5	0.09	5.00	2.4	0.3
2112034	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.038	< 5	0.06	4.60	1.5	0.2
2112035	< 0.1	0.3	< 0.1	< 0.1	< 0.05	2.3	0.035	105	0.10	6.78	2.4	0.3
2112036	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.033	< 5	0.06	3.58	2.0	0.3
2112037	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.035	< 5	0.05	2.97	1.4	0.2
2112038	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.034	< 5	0.06	4.19	1.9	0.3
2112039	< 0.1	0.3	< 0.1	< 0.1	< 0.05	3.4	0.036	< 5	0.07	3.66	2.7	0.3
2112040	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.032	< 5	0.06	3.80	2.3	0.3
2112041	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.029	< 5	0.05	3.76	2.8	0.3
2112042	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.029	< 5	0.06	3.83	2.1	0.3
2112043	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.020	< 5	0.05	3.89	1.9	0.2
2112044	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	4.23	2.1	0.3
2112045	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	3.66	1.9	0.3
2112046	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	4.15	2.6	0.3
2112047	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	2.54	1.3	0.2
2112048	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	2.97	2.1	0.3
2112049	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	3.45	1.4	0.3
2112050	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.33	1.4	0.3
2112051	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	5.29	1.7	0.3
2112052	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.08	6.08	2.1	0.3
2112053	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.49	1.9	0.2
2112054	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.07	5.53	2.5	0.4
2112055	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	8	0.08	5.51	2.1	0.3
2112056	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.2	< 0.001	< 5	0.09	5.61	2.4	0.3
2112057	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	5.21	1.7	0.2
2112058	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.3	< 0.001	< 5	0.06	4.38	2.2	0.3
2112059	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	4.25	1.9	0.3
2112060	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	2.80	1.8	0.3
2112061	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	3.99	2.0	0.3
2112062	< 0.1	0.4	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 5	0.11	2.74	2.9	0.4
2112063	< 0.1	0.3	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 5	0.09	3.73	2.2	0.6
2112064	< 0.1	0.3	< 0.1	< 0.1	< 0.05	1.2	< 0.001	< 5	0.08	2.18	1.9	0.3
2112065	< 0.1	0.3	< 0.1	< 0.1	< 0.05	1.1	< 0.001	< 5	0.04	2.14	1.2	0.3
2112066	< 0.1	0.3	< 0.1	< 0.1	< 0.05	0.2	< 0.001	< 5	0.13	4.16	2.2	0.5
2112067	< 0.1	0.2	< 0.1	< 0.1	< 0.05	1.4	< 0.001	< 5	0.04	3.49	1.9	0.3
2112068	< 0.1	0.2	< 0.1	< 0.1	< 0.05	5.5	< 0.001	< 5	0.06	3.60	1.6	0.4
2112069	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.11	5.53	2.4	1.9
2112070	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	3.25	2.6	0.3
2112071	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	3.91	2.7	0.3

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Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.05	0.1	0.001	5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
2112072	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	4.93	1.5	0.2
2112073	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.76	2.8	0.3
2112074	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.09	2.2	0.3
2112075	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.14	2.2	0.3
2112076	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.08	2.1	0.2
2112077	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	4.95	1.8	0.3
2112078	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	3.32	2.5	0.3
2112079	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	5.85	1.8	0.3
2112080	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	4.08	1.9	0.2
2112081	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	4.95	1.6	0.3
2112082	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.09	5.04	1.8	0.2
2112083	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.41	1.9	0.3
2112084	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	2.70	3.0	0.3
2112085	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	2.67	2.6	0.3
2112086	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.8	< 0.001	< 5	0.05	3.77	2.1	0.3
2112087	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	3.70	3.2	0.3
2112088	< 0.1	0.4	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 5	0.06	5.20	2.9	0.4
2112089	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.86	2.1	0.2
2112090	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.2	< 0.001	< 5	0.04	4.88	2.2	0.4
2112091	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	4.75	2.2	0.3
2112092	< 0.1	0.3	< 0.1	< 0.1	< 0.05	0.3	< 0.001	< 5	0.05	5.00	2.0	0.3
2112093	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.2	< 0.001	< 5	0.11	30.5	1.7	0.3
2112094	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	3.97	1.3	0.2
2112095	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.07	4.11	1.4	0.2
2112096	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	3.79	3.7	0.3
2112097	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	2.26	2.3	0.4
2112098	< 0.1	0.2	< 0.1	0.2	< 0.05	0.1	< 0.001	< 5	0.12	7.49	3.6	0.4
2112099	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	3.35	2.7	0.3
2112100	< 0.1	0.3	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 5	0.08	4.78	3.7	0.7
2112101	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	3.66	2.8	0.3
2112102	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.08	6.34	2.7	0.3
2112103	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.09	5.44	2.1	0.3
2112104	< 0.1	0.1	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	3.19	1.2	0.2
2112105	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.10	4.36	3.1	0.5
2112106	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	16	0.08	3.96	2.5	0.4
2112107	< 0.1	0.2	< 0.1	0.1	< 0.05	0.2	< 0.001	< 5	0.06	7.16	4.5	0.4
2112108	< 0.1	0.3	< 0.1	< 0.1	< 0.05	0.2	< 0.001	15	0.08	6.34	5.0	0.4
2112109	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	4.55	2.6	0.3
2112110	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	4.45	1.7	0.2
2112111	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.09	5.43	2.5	0.4
2112112	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.35	2.6	0.3
2112113	< 0.1	0.4	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.62	4.1	0.5
2112114	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	2.61	2.9	0.3
2112115	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.08	1.7	0.2
2112116	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.07	5.13	2.0	0.7
2112117	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	3.38	2.2	0.3
2112118	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	3.03	1.9	0.2
2112119	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	4.27	2.1	0.3
2112120	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	4.29	2.3	0.3
2112121	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	2.43	1.9	0.3
2112122	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	2.94	2.0	0.3
2112123	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	1.91	1.4	0.2

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Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.05	0.1	0.001	5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
2112124	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	2.14	1.4	0.2
2112125	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	2.40	1.5	0.3
2112126	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	4.16	1.8	0.2
2112127	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.07	3.68	2.5	0.3
2112128	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	2.67	3.1	0.3
2112130	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.07	2.26	2.9	0.3
2112131	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.08	5.35	2.4	0.3
2112132	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	4.59	2.4	0.4
2112133	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.07	3.85	2.5	0.3
2112134	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	3.08	3.0	0.2
2112135	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	4.67	2.1	0.3
2112136	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	2.37	2.4	0.2
2112137	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.44	1.6	0.2
2112138	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.07	3.44	1.8	0.3
2132001	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	3.19	1.8	0.4
2132002	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.62	1.8	0.3
2132003	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.83	2.1	0.2
2132004	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	2.94	1.9	0.3
2132005	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	2.94	2.2	0.3
2132006	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	2.37	1.9	0.2
2132007	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	4.55	2.0	0.3
2132009	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.88	1.9	0.3
2132010	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	2.62	2.1	0.3
2132011	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	7	0.04	3.42	2.5	0.3
2132012	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.95	2.3	0.2
2132013	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.94	2.1	0.2
2132014	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	4.26	2.2	0.3
2132015	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.05	2.9	0.3
2132016	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	2.96	2.0	0.3
2132017	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.30	1.7	0.2
2132018	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	4.28	2.2	0.3
2132019	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.3	< 0.001	< 5	0.05	4.24	1.9	0.2
2132020	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.79	2.2	0.3
2132021	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	3.14	1.9	0.2
2132022	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	3.34	1.7	0.2
2132023	< 0.1	0.3	< 0.1	< 0.1	< 0.05	0.3	< 0.001	< 5	0.08	7.82	2.7	0.4
2132024	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	4.36	1.5	0.3
2132025	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	4.24	1.6	0.3
2132026	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.1	< 0.001	10	0.06	4.74	1.8	0.3
2132027	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.58	2.3	0.3
2132028	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	2.55	1.8	0.3
2132029	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	4.99	2.2	0.2
2132030	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	2.88	1.4	0.2
2132031	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	4.03	2.0	0.3
2132032	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.90	1.8	0.2
2132033	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	2.73	2.0	0.3
2132034	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.02	1.8	0.2
2132035	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	5.25	1.9	0.3
2132036	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	11	0.03	2.85	2.5	0.2
2132037	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.13	2.5	0.3
2132038	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	2.91	2.3	0.3
2132039	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	3.51	2.0	0.3

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Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.05	0.1	0.001	5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
2132040	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	4.87	2.5	0.3
2132041	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.59	1.8	0.2
2132042	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	4.16	1.9	0.3
2132043	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	3.59	2.1	0.3
2132044	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	3.01	1.7	0.3
2132045	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	4.60	1.8	0.2
2132046	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.79	1.7	0.3
2132047	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	2.54	2.3	0.3
2132048	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	3.85	2.2	0.3
2132049	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.2	< 0.001	< 5	0.09	5.63	2.4	0.3
2132050	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.3	< 0.001	< 5	0.08	6.41	2.2	0.3
2132051	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.2	< 0.001	< 5	0.07	5.84	2.3	0.3
2132052	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.2	< 0.001	< 5	0.06	4.29	1.8	0.3
2132053	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	25	0.05	4.45	1.7	0.2
2132054	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	2.68	1.9	0.2
2132055	< 0.1	0.2	< 0.1	< 0.1	< 0.05	1.5	< 0.001	< 5	0.05	4.32	1.5	0.2
2132056	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	3.37	1.9	0.3
2132058	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	2.74	1.5	0.2
2132059	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	3.42	2.3	0.2
2132060	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.60	2.2	0.3
2132061	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.02	2.70	1.3	0.2
2132062	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.81	2.6	0.3
2132063	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	4.65	2.3	0.2
2132064	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	4.02	2.4	0.3
2132065	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.3	< 0.001	16	0.05	4.23	3.3	0.3
2132066	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	39	0.04	4.17	2.0	0.2
2132067	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	3.57	2.2	0.2
2132068	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	4.17	2.1	0.3
2132069	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	4.36	2.4	0.3
2132070	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	4.78	2.3	0.3
2132071	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	4.00	2.3	0.2
2132072	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	4.14	2.1	0.3
2132073	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.2	< 0.001	10	0.05	6.95	2.6	0.3
2132074	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.3	< 0.001	< 5	0.06	5.20	3.8	0.4
2132075	< 0.1	0.3	< 0.1	< 0.1	< 0.05	0.3	< 0.001	< 5	0.06	4.19	2.6	0.3
2132076	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	3.96	1.7	0.3
2132077	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	4.01	4.0	0.3
2132078	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	4.03	1.7	0.2
2132079	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	4.16	2.6	0.3
2132080	< 0.1	0.2	< 0.1	< 0.1	< 0.05	2.9	< 0.001	< 5	0.08	4.45	1.7	0.2
2132081	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	< 5	0.05	5.17	2.0	0.3
2132082	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	1.67	1.7	0.3
2132083	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	3.13	1.5	0.2
2132084	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.2	< 0.001	< 5	0.05	4.34	2.8	0.3
2132085	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	2.34	1.4	0.3
2132086	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	3.28	1.4	0.2
2132087	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	3.67	1.7	0.2
2132088	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	5.14	1.2	0.1
2132089	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.08	5.35	1.2	0.2
2132090	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.73	1.1	0.2
2132091	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.19	3.0	0.4
2132092	< 0.1	0.2	< 0.1	0.1	< 0.05	0.5	< 0.001	< 5	0.11	10.4	2.3	0.4

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Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.05	0.1	0.001	5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
2132093	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	3.51	2.6	0.5
2132094	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	5.22	3.2	0.5
2132095	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	5.28	2.5	0.3
2132096	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	4.51	3.5	0.3
2132097	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	5.68	2.1	0.3
2132098	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.58	2.0	0.3
2132099	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.02	3.21	1.5	0.2
2132100	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	3.30	1.6	0.3
2132101	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	4.05	1.7	0.3
2132102	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	4.85	1.8	0.3
2132103	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	4.96	3.5	0.3
2132104	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	4.24	2.2	0.3
2132105	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	5.32	1.9	0.3
2132106	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	5.68	2.4	0.3
2132107	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	5.51	1.9	0.3
2132108	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.49	2.7	0.3
2132109	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	3.26	2.2	0.2
2132110	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	2.82	1.5	0.2
2132111	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.09	2.45	2.5	0.3
2132112	< 0.1	0.4	< 0.1	< 0.1	< 0.05	0.2	< 0.001	< 5	0.09	3.90	3.3	0.5
2132113	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	6.50	1.9	0.3
2132114	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.02	2.76	1.6	0.2
2132115	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	5.16	1.7	0.2
2132116	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	4.42	1.9	0.2
2132117	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	4.49	1.7	0.2
2132118	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	5.26	2.2	0.3
2132119	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.69	2.1	0.3
2132120	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	3.57	2.5	0.3
2132121	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	47	0.05	3.86	1.9	0.3
2132122	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	3.29	2.1	0.3
2132123	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	2.50	2.1	0.2
2132124	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	2.68	2.7	0.3
2132125	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	3.01	3.3	0.3
2132126	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.02	3.13	1.4	0.1
2132127	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	3.76	1.8	0.2
2132128	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	2.10	2.4	0.3
2132129	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	2.81	2.1	0.2
2132130	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	3.20	2.4	0.3
2132131	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.08	5.45	4.7	0.4
2132132	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	3.34	2.4	0.3
2132133	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	3.13	2.2	0.3
2132134	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	5.14	2.6	0.2
2132135	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	2.16	2.2	0.3
2132136	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	6.72	2.8	0.3
2132137	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.08	7.55	3.9	0.4
2132138	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.07	9.71	3.5	0.3
2132139	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.31	2.0	0.4
2132140	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	4.01	1.8	0.3
2132141	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	2.49	1.9	0.3
2132142	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.69	1.2	0.2
2132143	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	3.17	1.8	0.2
2132144	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.22	1.7	0.2

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.05	0.1	0.001	5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
2132145	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	4.80	1.8	0.4
2132146	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.14	5.98	2.3	0.6
2132147	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	3.42	1.6	0.3
2132148	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.2	< 0.001	< 5	0.06	5.70	2.1	0.3
2132149	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	2.73	3.5	0.4
2132150	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	2.46	2.2	0.3
2132151	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.37	1.8	0.2
2132152	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	4.22	2.1	0.3
2132153	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	2.27	2.1	0.3
2132154	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	3.57	1.5	0.2
2132155	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	2.51	2.4	0.3
2132156	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	2.39	1.7	0.3
2132157	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	2.37	2.4	0.3
2132158	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.11	2.8	0.3
2132159	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	2.42	2.5	0.3
2132160	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	1.72	1.4	0.3
2112029 EXTRA	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	1.55	2.4	0.2

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Quality Control																								
Analyte Symbol	Au	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	ppb	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	5	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1
Analysis Method	FA-AA	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
GXR-1 Meas		6.8	1.0	10	0.035	0.15	0.33	0.03	1350	0.92	1.3	89	12.0	653	19.1	9.2	47.0	1300	980	4.73		419	15.7	2.3
GXR-1 Cert		8.20	1.22	15.0	0.0520	0.217	3.52	0.050	1380	0.960	1.58	80.0	12.0	852	23.6	8.20	41.0	1110	760	13.8		427	16.6	14.0
GXR-1 Meas		5.2	0.9	7	0.035	0.11	0.30	0.03	1460	0.80	1.0	69	8.1	718	21.0	7.5	37.0	1050	752	3.39		356	16.4	1.9
GXR-1 Cert		8.20	1.22	15.0	0.0520	0.217	3.52	0.050	1380	0.960	1.58	80.0	12.0	852	23.6	8.20	41.0	1110	760	13.8		427	16.6	14.0
DH-1a Meas																								
DH-1a Cert																								
GXR-4 Meas		9.1	1.5	3	0.107	1.33	2.39	1.65	19.1	0.86	6.4	74	52.5	100	2.74	14.4	40.4	6110	79.7	10.5		91.3	5.4	85.3
GXR-4 Cert		11.1	1.90	4.50	0.564	1.66	7.20	4.01	19.0	1.01	7.70	87.0	64.0	155	3.09	14.6	42.0	6520	73.0	20.0		98.0	5.60	160
GXR-4 Meas		7.9	1.2		0.108	1.30	2.41	1.52	19.7	0.78	5.7	73	54.6	103	2.27	13.7	39.6		63.5	9.22		86.0	3.9	68.5
GXR-4 Cert		11.1	1.90		0.564	1.66	7.20	4.01	19.0	1.01	7.70	87.0	64.0	155	3.09	14.6	42.0		73.0	20.0		98.0	5.60	160
GXR-6 Meas		29.4	1.0	4	0.049	0.43	7.35	1.17	0.27	0.15	23.8	181	87.0	785	4.36	15.6	26.8	74.4	148	17.1		231	0.2	56.6
GXR-6 Cert		32.0	1.40	9.80	0.104	0.609	17.7	1.87	0.290	0.180	27.6	186	96.0	1010	5.58	13.8	27.0	66.0	118	35.0		330	0.940	90.0
GXR-6 Meas		26.6	1.0	5	0.060	0.36	6.41	1.08	0.18	0.16	23.0	178	84.8	795	5.26	13.9	24.1	67.9	133	17.0		221	0.5	57.2
GXR-6 Cert		32.0	1.40	9.80	0.104	0.609	17.7	1.87	0.290	0.180	27.6	186	96.0	1010	5.58	13.8	27.0	66.0	118	35.0		330	0.940	90.0
CDN-GS-1J Meas	981																							
CDN-GS-1J Cert	946.00																							
CDN-GS-1J Meas	871																							
CDN-GS-1J Cert	946.00																							
CDN-GS-1J Meas	1060																							
CDN-GS-1J Cert	946.00																							
CDN-GS-1J Meas	1040																							
CDN-GS-1J Cert	946.00																							
CDN-GS-1J Meas	1020																							
CDN-GS-1J Cert	946.00																							
CDN-GS-1J Meas	966																							
CDN-GS-1J Cert	946.00																							
CDN-GS-1J Meas	962																							
CDN-GS-1J Cert	946.00																							
CDN-GS-1J Meas	1000																							
CDN-GS-1J Cert	946.00																							
CDN-GS-1J Meas	1050																							
CDN-GS-1J Cert	946.00																							
CDN-GS-1J Meas	875																							
CDN-GS-1J Cert	946.00																							
CDN-GS-1J Meas	997																							
CDN-GS-1J Cert	946.00																							
CDN-GS-1J Meas	918																							
CDN-GS-1J Cert	946.00																							
CDN-GS-P3C Meas	256																							
CDN-GS-P3C Cert	263.00																							
CDN-GS-P3C Meas	267																							
CDN-GS-P3C Cert	263.00																							
CDN-GS-P3C Meas	270																							
CDN-GS-P3C Cert	263.00																							
CDN-GS-P3C Meas	273																							
CDN-GS-P3C Cert	263.00																							
CDN-GS-P3C Meas	261																							
CDN-GS-P3C Cert	263.00																							
CDN-GS-P3C Meas	271																							
CDN-GS-P3C Cert	263.00																							
CDN-GS-P3C Meas	261																							
CDN-GS-P3C Cert	263.00																							
CDN-GS-P3C Meas	259																							
CDN-GS-P3C Cert	263.00																							
CDN-GS-P3C Meas	251																							
CDN-GS-P3C Cert	263.00																							
CDN-GS-P3C Meas	252																							

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Quality Control																								
Analyte Symbol	Au	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb
Unit Symbol	ppb	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	5	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1
Analysis Method	FA-AA	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
CDN-GS-P3C Cert	263.00																							
CDN-GS-P3C Meas	255																							
CDN-GS-P3C Cert	263.00																							
CDN-GS-P3C Meas	266																							
CDN-GS-P3C Cert	263.00																							
CDN-GS-P3C Meas	272																							
CDN-GS-P3C Cert	263.00																							
CDN-GS-P3C Meas	274																							
CDN-GS-P3C Cert	263.00																							
252112 Orig	< 5																							
252112 Dup	< 5																							
252115 Orig		11.4	0.2	< 1	0.019	0.22	0.93	0.05	0.08	0.23	1.9	43	32.2	107	1.77	4.5	12.7	5.35	19.8	6.17	< 0.1	1.5	< 0.1	8.4
252115 Dup		12.4	0.2	< 1	0.018	0.21	0.92	0.06	0.08	0.26	2.0	37	26.8	116	1.89	5.0	13.7	6.26	20.5	5.70	< 0.1	1.3	< 0.1	8.8
252122 Orig	< 5																							
252129 Orig		11.9	0.4	< 1	0.034	0.34	1.44	0.05	0.07	0.63	2.7	33	36.1	117	1.64	7.7	25.0	12.8	19.2	3.39	< 0.1	1.7	0.8	7.6
252129 Dup		11.3	0.4	< 1	0.031	0.35	1.41	0.05	0.07	0.53	2.6	33	36.1	117	1.62	7.7	24.6	12.2	16.6	3.44	< 0.1	2.0	1.4	7.2
252132 Orig	< 5																							
252132 Dup	< 5																							
252142 Orig		12.0	0.3	7	0.023	0.26	1.19	0.06	0.05	0.26	2.4	31	27.4	272	1.61	7.7	18.9	11.2	17.1	3.12	< 0.1	3.5	1.7	7.9
252142 Dup		12.3	0.4	6	0.023	0.27	1.25	0.06	0.06	0.27	2.4	31	27.9	281	1.64	8.1	19.8	11.7	18.0	3.08	< 0.1	3.2	< 0.1	8.0
252147 Orig	5																							
252147 Dup	< 5																							
252156 Orig		13.5	0.4	< 1	0.021	0.25	1.23	0.05	0.09	0.27	2.1	31	28.9	95	1.85	8.0	22.2	11.9	16.8	3.76	< 0.1	7.7	0.3	5.4
252156 Dup		14.1	0.3	< 1	0.021	0.22	1.09	0.04	0.07	0.27	2.3	30	26.8	87	1.75	8.1	22.3	11.9	15.8	3.38	< 0.1	7.3	0.3	5.4
252179 Orig		6.6	0.6	1	0.012	0.12	0.47	0.03	0.13	0.16	1.5	28	19.3	79	0.96	2.0	6.0	2.61	21.4	4.65	< 0.1	0.8	0.9	9.7
252179 Dup		5.7	0.5	1	0.012	0.11	0.47	0.03	0.14	0.14	1.3	29	20.8	82	0.95	1.8	5.3	2.32	21.0	4.60	< 0.1	0.7	0.7	8.3
252192 Orig	< 5																							
252192 Dup	< 5																							
252193 Orig		15.9	0.7	2	0.015	0.22	0.93	0.05	0.10	0.21	2.3	37	31.0	141	1.55	6.5	20.1	11.3	25.4	4.26	< 0.1	3.3	0.9	9.8
252193 Dup		17.3	0.8	4	0.021	0.26	1.10	0.05	0.10	0.20	2.4	42	37.0	172	1.85	6.9	20.7	12.6	25.5	5.39	< 0.1	4.3	1.0	10.6
252202 Orig	< 5																							
252202 Dup	< 5																							
252206 Orig		14.2	0.6	< 1	0.015	0.17	0.94	0.04	0.46	0.12	2.0	56	24.3	54	1.87	4.2	12.0	12.3	17.2	9.26	< 0.1	4.1	0.7	5.9
252206 Dup		14.6	0.5	1	0.015	0.17	0.94	0.04	0.45	0.11	2.0	63	27.5	54	1.78	4.0	12.3	12.7	18.8	10.2	< 0.1	4.3	0.8	5.9
252217 Orig	< 5																							
252217 Dup	< 5																							
252220 Orig		63.9	0.6	< 1	0.039	1.71	2.66	0.03	0.10	0.54	2.8	60	118	288	3.38	23.3	58.9	72.6	97.2	8.49	< 0.1	2.0	0.8	3.2
252220 Dup		69.2	0.8	2	0.049	1.89	2.67	0.03	0.10	0.55	3.1	70	130	283	3.28	21.9	58.9	79.8	109	9.20	< 0.1	2.2	0.9	3.4
252227 Orig	< 5																							
252227 Dup	< 5																							
252236 Orig		14.9	0.6	2	0.014	0.17	1.15	0.04	0.09	0.19	2.1	30	22.1	56	1.24	7.1	16.4	10.6	18.1	4.14	< 0.1	1.1	0.8	5.5
252236 Dup		17.7	0.7	4	0.021	0.20	1.34	0.04	0.10	0.21	2.5	41	30.3	66	1.32	7.4	18.7	12.1	16.8	5.26	< 0.1	1.2	0.8	6.6
252237 Orig	< 5																							
252237 Dup	< 5																							
2112010 Orig		13.6	0.7	3	0.013	0.26	0.97	0.05	0.11	0.23	1.9	42	35.5	158	1.82	8.1	16.7	10.2	22.1	4.65	< 0.1	4.1	0.7	8.0
2112010 Dup		13.1	0.7	3	0.017	0.27	1.02	0.06	0.11	0.28	2.1	40	31.7	163	1.82	8.4	16.7	9.78	20.5	4.41	< 0.1	3.4	0.8	9.2
2112012 Orig	< 5																							
2112012 Dup	9																							
2112022 Orig	< 5																							
2112022 Dup	< 5																							
2112023 Orig		17.4	0.8	3	0.020	0.28	1.11	0.07	0.10	0.28	2.7	46	38.4	120	1.73	8.2	20.3	10.8	25.8	4.66	< 0.1	4.1	0.7	11.9
2112023 Dup		14.1	0.7	3	0.021	0.31	1.16	0.06	0.10	0.24	2.2	43	36.7	124	1.65	7.6	17.6	10.1	23.7	4.51	< 0.1	3.9	0.8	10.2
2112033 Orig	< 5																							
2112033 Dup	< 5																							
2112038 Orig		16.9	0.8	3	0.018	0.28	1.25	0.05	0.11	0.30	3.2	45	44.5	110	1.93	8.5	24.9	12.0	19.2	4.46	< 0.1	2.8	0.9	7.2
2112038 Dup		15.6	0.8	3	0.020	0.30	1.30	0.04	0.12	0.25	2.9	46	49.5	112	1.85	7.4	21.9	11.8	20.3	4.82	< 0.1	3.3	0.9	6.9
2112048 Orig	< 5																							

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Quality Control																								
Analyte Symbol	Sr	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.5	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
2132131 Orig	15.6	2.74	2.4	1.8	0.32	< 0.002	0.02	< 0.02	0.69	< 0.02	< 0.02	1.56	24.7	6.3	13.9	1.5	5.41	1.0	0.2	0.6	< 0.1	0.5	< 0.1	0.3
2132131 Dup	11.1	1.75	2.1	1.9	0.29	< 0.002	0.01	< 0.02	0.70	< 0.02	< 0.02	1.33	22.2	5.4	11.8	1.3	4.88	0.8	0.1	0.6	< 0.1	0.3	< 0.1	0.2
2132133 Orig																								
2132133 Dup																								
2132143 Orig																								
2132143 Dup																								
2132145 Orig	9.5	2.46	2.1	1.5	0.36	< 0.002	0.03	< 0.02	0.48	< 0.02	< 0.02	0.84	31.4	7.2	17.4	1.8	6.61	1.3	0.2	1.0	0.1	0.6	0.1	0.3
2132145 Dup	9.4	2.24	2.1	1.4	0.33	0.067	0.03	< 0.02	0.58	< 0.02	< 0.02	0.77	30.5	6.9	16.3	1.6	5.70	1.0	0.2	0.8	0.1	0.5	< 0.1	0.2
2132158 Orig																								
2132158 Dup																								
Method Blank																								
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Method Blank																								
Method Blank																								
Method Blank	< 0.5	< 0.01	< 0.1	< 0.1	< 0.01	< 0.002	< 0.01	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	< 0.5	< 0.5	< 0.01	< 0.1	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.5	< 0.01	< 0.1	< 0.1	< 0.01	< 0.002	< 0.01	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	< 0.5	< 0.5	< 0.01	< 0.1	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.5	< 0.01	< 0.1	< 0.1	< 0.01	< 0.002	< 0.01	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	< 0.5	< 0.5	< 0.01	< 0.1	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.5	< 0.01	< 0.1	< 0.1	< 0.01	< 0.002	< 0.01	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	< 0.5	< 0.5	< 0.01	< 0.1	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Quality Control												
Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.05	0.1	0.001	5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS

CDN-GS-P3C Cert												
CDN-GS-P3C Meas												
CDN-GS-P3C Cert												
CDN-GS-P3C Meas												
CDN-GS-P3C Cert												
CDN-GS-P3C Meas												
CDN-GS-P3C Cert												
CDN-GS-P3C Meas												
CDN-GS-P3C Cert												
252112 Orig												
252112 Dup												
252115 Orig	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	0.04	4.27	3.0	0.3
252115 Dup	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	60	0.04	4.05	2.4	0.3
252122 Orig												
252129 Orig	< 0.1	0.4	< 0.1	0.1	< 0.05	2.5	< 0.001	< 5	0.05	3.35	2.3	0.8
252129 Dup	< 0.1	0.4	< 0.1	< 0.1	< 0.05	0.3	< 0.001	< 5	0.06	3.40	2.3	0.7
252132 Orig												
252132 Dup												
252142 Orig	< 0.1	0.3	< 0.1	< 0.1	< 0.05	0.2	0.001	< 5	0.05	4.11	2.5	0.3
252142 Dup	< 0.1	0.3	< 0.1	< 0.1	< 0.05	0.2	0.001	< 5	0.05	4.13	2.6	0.3
252147 Orig												
252147 Dup												
252156 Orig	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.005	< 5	0.05	3.18	2.3	0.3
252156 Dup	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.006	< 5	0.04	2.68	2.1	0.3
252179 Orig	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.030	< 5	0.05	3.38	2.5	0.3
252179 Dup	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.1	0.033	< 5	0.05	3.73	2.4	0.3
252192 Orig												
252192 Dup												
252193 Orig	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.031	9	0.06	3.58	2.3	0.3
252193 Dup	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.032	< 5	0.06	5.28	2.6	0.3
252202 Orig												
252202 Dup												
252206 Orig	< 0.1	0.2	< 0.1	0.1	< 0.05	< 0.1	0.031	< 5	0.09	5.80	2.2	0.3
252206 Dup	< 0.1	0.2	< 0.1	0.1	< 0.05	< 0.1	0.030	8	0.08	5.60	2.3	0.3
252217 Orig												
252217 Dup												
252220 Orig	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	0.029	< 5	0.07	3.69	1.3	0.2
252220 Dup	< 0.1	0.5	< 0.1	< 0.1	< 0.05	0.4	0.033	< 5	0.07	3.65	1.2	0.2
252227 Orig												
252227 Dup												
252236 Orig	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.031	< 5	0.06	3.44	1.9	0.2
252236 Dup	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.031	< 5	0.08	3.94	2.0	0.3
252237 Orig												
252237 Dup												
2112010 Orig	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.034	< 5	0.06	3.95	2.3	0.3
2112010 Dup	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.033	< 5	0.06	3.83	2.0	0.3
2112012 Orig												
2112012 Dup												
2112022 Orig												
2112022 Dup												
2112023 Orig	< 0.1	0.3	< 0.1	< 0.1	< 0.05	0.2	0.034	< 5	0.08	3.56	1.6	0.3
2112023 Dup	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.034	< 5	0.08	3.94	1.9	0.3
2112033 Orig												
2112033 Dup												
2112038 Orig	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.033	< 5	0.06	4.03	1.7	0.3
2112038 Dup	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.036	< 5	0.06	4.34	2.0	0.3
2112048 Orig												

Quality Control												
Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.05	0.1	0.001	5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS

2112048 Dup												
2112058 Orig												
2112058 Dup												
2112061 Orig	< 0.1	0.3	< 0.1	< 0.1	< 0.05	0.5	< 0.001	< 5	0.05	3.96	2.0	0.3
2112061 Dup	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	4.01	2.0	0.3
2112068 Orig												
2112068 Dup												
2112075 Orig	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.14	2.6	0.3
2112075 Dup	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.15	1.8	0.3
2112083 Orig												
2112083 Dup												
2112088 Orig	< 0.1	0.4	< 0.1	0.2	< 0.05	0.1	< 0.001	< 5	0.06	5.28	2.9	0.4
2112088 Dup	< 0.1	0.4	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	5.11	2.9	0.4
2112093 Orig												
2112102 Orig	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.08	6.23	3.4	0.3
2112102 Dup	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.08	6.46	2.1	0.3
2112103 Orig												
2112103 Dup												
2112118 Orig	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	2.99	2.1	0.2
2112118 Dup	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	3.08	1.6	0.2
2112128 Orig												
2112128 Dup												
2112133 Orig	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.06	3.57	2.6	0.3
2112133 Dup	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.08	4.13	2.3	0.3
2132001 Orig												
2132001 Dup												
2132009 Orig	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	3.82	1.8	0.3
2132009 Dup	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.93	1.9	0.3
2132017 Orig												
2132017 Dup												
2132023 Orig	< 0.1	0.3	< 0.1	< 0.1	< 0.05	0.4	< 0.001	< 5	0.08	7.72	2.9	0.5
2132023 Dup	< 0.1	0.3	< 0.1	0.1	< 0.05	0.2	0.001	< 5	0.08	7.93	2.6	0.4
2132027 Orig												
2132027 Dup												
2132037 Orig												
2132037 Dup												
2132046 Orig	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.68	1.5	0.2
2132046 Dup	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	3.90	1.8	0.3
2132061 Orig	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.02	2.65	1.3	0.2
2132061 Dup	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.02	2.76	1.4	0.2
2132063 Orig												
2132063 Dup												
2132073 Orig												
2132073 Dup												
2132074 Orig	< 0.1	0.3	< 0.1	< 0.1	< 0.05	0.4	< 0.001	< 5	0.06	5.41	3.0	0.4
2132074 Dup	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.2	< 0.001	< 5	0.05	4.99	4.5	0.3
2132088 Orig	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	4.74	0.9	0.1
2132088 Dup	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 5	0.04	5.54	1.4	0.2
2132098 Orig												
2132098 Dup												
2132104 Orig	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	4.61	2.5	0.3
2132104 Dup	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.02	3.88	1.9	0.3
2132108 Orig												
2132108 Dup												
2132118 Orig	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.03	5.40	2.1	0.2
2132118 Dup	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.04	5.12	2.3	0.3
2132123 Dup												

Quality Control												
Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.05	0.1	0.001	5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
2132131 Orig	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.2	< 0.001	11	0.09	5.14	6.3	0.4
2132131 Dup	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.08	5.77	3.0	0.3
2132133 Orig												
2132133 Dup												
2132143 Orig												
2132143 Dup												
2132145 Orig	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 5	0.05	5.04	1.9	0.4
2132145 Dup	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	0.05	4.56	1.6	0.3
2132158 Orig												
2132158 Dup												
Method Blank												
Method Blank												
Method Blank												
Method Blank												
Method Blank												
Method Blank												
Method Blank												
Method Blank												
Method Blank												
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Method Blank												
Method Blank												
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Method Blank												
Method Blank												
Method Blank												
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	< 0.01	< 0.1	< 0.1
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	< 0.01	< 0.1	< 0.1
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	< 0.01	< 0.1	< 0.1
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 5	< 0.02	< 0.01	< 0.1	< 0.1

APPENDIX F
Activation Laboratories Certificate of Analysis (Humus)
Certificate # A12-08437Final



Date Submitted: 07-Aug-12
Invoice No.: A12-08437
Invoice Date: 31-Aug-12
Your Reference: SKY LAKE

TRI Origin Exploration
125 Don Hillock Dr.
Aurora Ontario L4G 0H8

ATTN: Senior Geologist Frank Kendle

CERTIFICATE OF ANALYSIS

346 Humus samples were submitted for analysis.

The following analytical packages were requested: Code 2A-15g Humus INAA(INAAGEO)
Code 2C1 Ash Aqua Regia ICP(AQUAJA)

REPORT **A12-08437**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

CERTIFIED BY :

A handwritten signature in black ink, appearing to be "Emmanuel Esemé", written over a horizontal line.

Emmanuel Esemé , Ph.D.
Quality Control

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Activation Laboratories Ltd. Report: A12-08437

Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se	Sr	Ta	Th	U
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	2	1	100	1	0.5	1	1	0.5	0.05	0.5	0.5	5	0.5	100	10	20	0.1	0.1	2	100	0.5	0.5	0.1
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
2131120	< 1	< 2	5	300	23	3.4	10	56	2.0	2.03	3.1	< 0.5	< 5	< 0.5	6900	< 10	60	0.2	7.6	< 2	< 100	0.7	9.8	4.1
2111086	< 1	< 2	5	200	16	2.6	2	7	0.6	1.03	< 0.5	< 0.5	< 5	2.6	900	< 10	< 20	0.4	1.6	< 2	< 100	< 0.5	1.9	0.7
2111087	< 1	< 2	5	500	8	1.2	2	30	1.9	0.84	3.2	< 0.5	< 5	< 0.5	8800	< 10	50	1.0	4.1	< 2	< 100	< 0.5	2.9	1.0
2111088	< 1	< 2	6	300	17	1.1	2	14	1.2	0.41	1.6	< 0.5	< 5	< 0.5	2400	< 10	< 20	0.7	1.8	< 2	< 100	< 0.5	1.7	< 0.1
2111089	< 1	< 2	7	200	20	1.0	4	13	1.3	0.83	1.0	< 0.5	< 5	4.4	1600	< 10	< 20	1.1	2.6	< 2	< 100	< 0.5	2.2	< 0.1
2111091	< 1	< 2	2	1000	8	2.0	5	32	3.0	1.01	6.0	< 0.5	< 5	< 0.5	10300	< 10	70	0.8	4.9	< 2	< 100	< 0.5	4.4	1.8
2111092	< 1	< 2	2	300	14	4.0	4	14	1.2	0.96	1.2	< 0.5	< 5	2.5	1400	< 10	< 20	0.2	2.8	< 2	< 100	< 0.5	3.7	2.4
2111093	3	< 2	< 1	200	13	4.4	4	12	0.7	0.89	< 0.5	< 0.5	< 5	1.7	800	50	< 20	0.1	1.4	< 2	200	< 0.5	1.8	1.2
2111094	5	< 2	2	100	16	4.6	2	6	< 0.5	0.60	< 0.5	< 0.5	< 5	2.6	600	< 10	< 20	0.1	1.1	< 2	< 100	< 0.5	1.6	0.7
2111095	< 1	< 2	< 1	100	13	4.7	1	7	< 0.5	0.37	< 0.5	< 0.5	< 5	1.7	600	< 10	< 20	0.2	1.1	< 2	< 100	< 0.5	1.1	1.2
2111096	< 1	< 2	< 1	300	23	4.6	4	34	0.8	0.95	1.2	< 0.5	< 5	< 0.5	5500	< 10	< 20	0.2	3.4	< 2	< 100	< 0.5	2.5	1.2
2111097	< 1	< 2	1	< 100	24	3.7	2	10	< 0.5	0.28	< 0.5	< 0.5	< 5	2.6	700	< 10	< 20	0.2	1.1	< 2	< 100	< 0.5	1.6	0.6
2111098	< 1	< 2	1	< 100	13	3.0	2	17	< 0.5	0.38	< 0.5	< 0.5	< 5	< 0.5	1400	< 10	< 20	0.1	1.9	< 2	< 100	< 0.5	1.1	< 0.1
2111099	< 1	< 2	2	200	20	3.1	6	20	0.8	0.62	0.6	< 0.5	< 5	1.4	2200	< 10	< 20	0.2	2.2	< 2	200	< 0.5	2.3	1.3
2111100	< 1	< 2	1	< 100	19	3.4	5	24	0.8	0.62	1.2	< 0.5	< 5	1.6	2900	< 10	< 20	0.2	2.8	< 2	< 100	< 0.5	1.8	1.0
2111101	< 1	< 2	< 1	100	16	3.2	< 1	8	< 0.5	0.36	< 0.5	< 0.5	< 5	4.0	1400	< 10	< 20	0.1	1.0	< 2	< 100	< 0.5	1.0	< 0.1
2111102	< 1	< 2	< 1	100	19	2.8	1	10	0.8	0.56	0.6	< 0.5	< 5	2.2	800	< 10	< 20	0.1	1.7	< 2	< 100	< 0.5	2.2	1.1
2111103	< 1	< 2	< 1	< 100	16	3.8	< 1	5	< 0.5	0.22	< 0.5	< 0.5	< 5	< 0.5	500	< 10	< 20	< 0.1	0.7	< 2	< 100	< 0.5	1.0	< 0.1
2111104	5	< 2	< 1	< 100	13	4.0	4	8	< 0.5	0.76	< 0.5	< 0.5	< 5	2.9	600	< 10	< 20	< 0.1	1.3	< 2	< 100	< 0.5	1.8	1.3
2111105	3	< 2	< 1	100	18	3.7	1	6	0.6	0.61	< 0.5	< 0.5	< 5	< 0.5	500	< 10	< 20	< 0.1	1.2	< 2	< 100	< 0.5	1.6	1.9
2111106	1	< 2	< 1	100	17	3.4	2	5	< 0.5	0.30	< 0.5	< 0.5	< 5	2.5	500	< 10	< 20	0.2	0.8	< 2	200	< 0.5	1.0	1.0
2111107	< 1	< 2	1	200	25	3.2	2	4	< 0.5	0.43	< 0.5	< 0.5	< 5	1.3	600	< 10	< 20	0.1	1.2	< 2	< 100	< 0.5	1.3	1.8
2111108	< 1	< 2	2	100	20	4.4	< 1	2	< 0.5	0.71	< 0.5	< 0.5	< 5	< 0.5	400	< 10	< 20	< 0.1	0.6	< 2	< 100	< 0.5	1.0	< 0.1
2111109	< 1	< 2	< 1	< 100	43	6.1	< 1	4	< 0.5	0.19	< 0.5	< 0.5	< 5	2.2	400	< 10	< 20	0.1	0.7	< 2	< 100	< 0.5	1.0	0.8
2111110	< 1	< 2	< 1	200	31	6.5	< 1	4	< 0.5	0.17	< 0.5	< 0.5	< 5	2.6	400	< 10	< 20	< 0.1	0.7	< 2	< 100	< 0.5	1.0	0.7
2111111	< 1	< 2	< 1	200	36	6.7	< 1	5	< 0.5	0.20	< 0.5	< 0.5	< 5	< 0.5	400	< 10	< 20	0.2	0.7	< 2	< 100	< 0.5	0.8	4.2
2111112	< 1	< 2	5	100	17	3.2	2	22	< 0.5	0.60	0.8	< 0.5	< 5	< 0.5	2900	< 10	< 20	0.2	2.6	< 2	< 100	< 0.5	2.2	1.0
2111113	< 1	< 2	4	200	10	1.0	1	17	0.8	0.44	1.7	< 0.5	< 5	1.6	4500	< 10	< 20	0.6	2.0	< 2	< 100	< 0.5	1.8	0.7
2111114	< 1	< 2	2	300	8	1.4	1	13	1.0	0.41	1.8	< 0.5	< 5	< 0.5	3700	< 10	< 20	0.5	1.9	< 2	< 100	< 0.5	1.6	< 0.1
2111115	< 1	4	2	400	7	0.6	4	25	2.0	0.79	3.4	< 0.5	< 5	< 0.5	7400	< 10	30	0.6	3.7	< 2	< 100	< 0.5	2.6	1.0
2111116	< 1	< 2	1	600	8	2.3	4	19	1.7	0.65	2.8	< 0.5	< 5	1.9	6300	< 10	30	0.4	2.9	< 2	< 100	< 0.5	2.2	< 0.1
2111117	< 1	< 2	4	1000	8	2.8	8	30	2.4	0.98	3.8	< 0.5	< 5	< 0.5	10300	< 10	60	0.6	4.4	< 2	300	< 0.5	3.1	1.0
2111118	4	< 2	2	700	5	2.2	6	49	1.3	1.40	3.8	< 0.5	< 5	3.5	23500	< 10	60	0.4	6.6	< 2	< 100	< 0.5	2.9	< 0.1
2111090 EXTRA	< 1	< 2	2	900	8	2.3	5	24	2.5	0.83	3.5	< 0.5	< 5	1.4	9000	< 10	50	0.5	3.8	< 2	300	< 0.5	2.9	0.8

Activation Laboratories Ltd. Report: A12-08437

Analyte Symbol	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass	Ag	Cu	Mn	Mo	Ni	Pb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	20	0.1	1	3	0.1	0.2	0.2	0.1	0.1		0.2	1	1	1	1	1	1
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
251362	< 1	20	2.0	4	< 3	0.3	< 0.2	< 0.2	0.2	< 0.1	15.2	< 0.2	2	424	< 1	1	5	17
251363	< 1	40	2.9	6	< 3	0.3	< 0.2	< 0.2	0.2	< 0.1	15.2	< 0.2	3	547	< 1	1	5	29
251364	< 1	30	2.4	4	< 3	0.3	< 0.2	< 0.2	< 0.1	< 0.1	15.6	< 0.2	3	185	< 1	< 1	6	19
251365	< 1	< 20	1.5	< 1	< 3	0.3	< 0.2	< 0.2	0.1	< 0.1	15.1	< 0.2	2	515	< 1	< 1	2	16
251366	< 1	< 20	1.4	2	< 3	0.3	< 0.2	< 0.2	< 0.1	< 0.1	15.1	< 0.2	2	682	< 1	1	2	8
251367	< 1	< 20	1.4	2	3	0.2	< 0.2	< 0.2	< 0.1	< 0.1	15.1	< 0.2	3	424	< 1	1	2	14
251368	< 1	< 20	1.4	3	4	0.2	< 0.2	< 0.2	0.1	< 0.1	15.1	< 0.2	3	424	< 1	< 1	2	6
251369	< 1	30	1.6	2	< 3	0.3	< 0.2	< 0.2	0.2	< 0.1	15.2	< 0.2	6	563	< 1	3	6	22
251370	< 1	< 20	4.4	9	4	0.6	< 0.2	< 0.2	0.3	< 0.1	15.4	0.2	7	206	< 1	4	33	32
251371	< 1	50	8.0	15	4	1.0	0.2	< 0.2	0.6	< 0.1	15.2	0.4	10	270	< 1	5	55	41
251372	2	40	7.4	13	7	1.0	0.3	< 0.2	0.8	< 0.1	15.7	0.3	8	1020	1	7	27	29
251373	< 1	50	2.1	4	< 3	0.3	< 0.2	< 0.2	0.1	< 0.1	15.3	< 0.2	4	565	< 1	2	16	57
251374	< 1	60	1.3	3	< 3	0.2	< 0.2	< 0.2	< 0.1	< 0.1	15.1	< 0.2	3	196	< 1	1	4	40
251375	< 1	< 20	1.4	3	4	0.2	< 0.2	< 0.2	< 0.1	< 0.1	15.1	< 0.2	5	1150	2	2	2	13
251376	< 1	< 20	1.5	3	< 3	0.3	< 0.2	< 0.2	< 0.1	< 0.1	15.2	< 0.2	6	501	3	2	1	16
251377	< 1	< 20	3.2	7	< 3	0.6	< 0.2	< 0.2	0.2	< 0.1	15.2	< 0.2	6	472	< 1	4	2	8
251378	< 1	30	6.9	15	< 3	1.3	0.4	< 0.2	0.9	< 0.1	15.6	< 0.2	8	96	< 1	14	3	12
251379	< 1	< 20	5.1	10	< 3	0.8	< 0.2	< 0.2	0.3	< 0.1	15.6	< 0.2	13	1470	1	6	7	11
251380	< 1	< 20	8.6	12	7	1.1	0.2	< 0.2	0.3	< 0.1	15.9	< 0.2	12	322	< 1	6	2	7
251381	< 1	< 20	2.4	3	< 3	0.3	< 0.2	< 0.2	0.2	< 0.1	15.1	< 0.2	6	94	< 1	2	4	18
251382	< 1	< 20	3.8	7	< 3	0.4	< 0.2	< 0.2	0.1	< 0.1	15.8	< 0.2	13	165	< 1	5	3	7
251383	< 1	< 20	3.1	4	< 3	0.4	< 0.2	< 0.2	0.1	< 0.1	15.3	< 0.2	15	240	1	4	< 1	11
251384	< 1	< 20	7.2	11	3	0.9	< 0.2	< 0.2	< 0.1	< 0.1	15.8	< 0.2	37	202	< 1	13	< 1	4
251385	< 1	< 20	33.0	62	22	3.5	0.9	0.4	1.1	0.2	15.9	< 0.2	27	359	1	13	3	9
251386	< 1	< 20	14.3	42	6	1.9	0.6	< 0.2	1.0	< 0.1	15.5	< 0.2	20	2820	2	15	3	16
251387	< 1	< 20	14.3	18	11	1.8	0.3	< 0.2	0.3	< 0.1	15.8	< 0.2	26	210	1	8	< 1	4
251388	< 1	< 20	22.0	39	17	2.8	0.7	0.6	0.8	< 0.1	15.6	< 0.2	25	166	< 1	9	2	5
251389	< 1	< 20	7.5	8	3	1.1	0.2	< 0.2	0.3	< 0.1	15.3	< 0.2	17	144	1	4	3	7
251390	< 1	40	13.2	28	7	1.9	0.6	< 0.2	1.1	0.1	15.3	0.4	8	142	2	8	14	24
251391	< 1	30	4.2	8	< 3	0.7	< 0.2	< 0.2	0.2	< 0.1	15.1	< 0.2	4	2840	< 1	4	8	18
251392	< 1	< 20	17.6	36	11	2.8	0.7	< 0.2	1.1	0.2	15.6	< 0.2	9	324	< 1	12	2	18
251393	< 1	40	3.2	7	< 3	0.4	< 0.2	< 0.2	0.2	< 0.1	15.4	< 0.2	6	122	< 1	3	9	37
251394	< 1	30	2.2	3	< 3	0.3	< 0.2	< 0.2	0.1	< 0.1	15.6	< 0.2	4	298	< 1	2	9	27
251395	< 1	60	1.4	4	< 3	0.2	< 0.2	< 0.2	0.1	< 0.1	15.1	< 0.2	2	614	< 1	< 1	5	35
251396	< 1	30	1.6	2	< 3	0.2	< 0.2	< 0.2	0.2	< 0.1	15.3	< 0.2	2	1110	< 1	< 1	6	22
251397	< 1	< 20	1.4	3	< 3	0.3	< 0.2	< 0.2	< 0.1	< 0.1	15.2	< 0.2	2	272	< 1	< 1	1	8
251398	< 1	30	1.9	3	< 3	0.3	< 0.2	< 0.2	0.2	< 0.1	15.2	< 0.2	4	499	< 1	1	< 1	14
251399	< 1	< 20	1.4	2	< 3	0.2	< 0.2	< 0.2	< 0.1	< 0.1	15.0	< 0.2	4	96	1	1	< 1	12
251400	< 1	< 20	2.1	4	< 3	0.3	< 0.2	< 0.2	0.1	< 0.1	15.0	< 0.2	6	394	1	3	1	14
251401	< 1	< 20	1.8	4	< 3	0.3	< 0.2	< 0.2	0.2	< 0.1	15.1	< 0.2	6	584	< 1	3	< 1	8
251402	< 1	< 20	5.7	11	4	0.8	< 0.2	< 0.2	0.2	< 0.1	15.1	< 0.2	11	248	< 1	6	< 1	5
251403	3	< 20	12.1	26	7	1.6	0.4	< 0.2	0.9	< 0.1	15.8	< 0.2	8	56	1	7	7	8
251404	6	40	8.5	19	4	1.2	0.4	< 0.2	1.5	0.2	15.7	< 0.2	8	95	< 1	6	8	12
251405	< 1	< 20	22.0	37	11	2.2	0.6	< 0.2	0.8	0.1	15.7	< 0.2	8	41	1	6	9	12
251406	< 1	< 20	23.1	44	15	3.4	0.9	0.3	1.0	0.2	15.6	< 0.2	35	467	< 1	22	5	17
251407	< 1	30	13.2	22	9	1.4	0.3	< 0.2	0.2	< 0.1	15.4	< 0.2	10	385	< 1	7	4	21
251408	< 1	40	8.9	17	6	1.4	0.4	< 0.2	0.8	0.1	15.8	< 0.2	8	80	< 1	4	10	23
251409	< 1	20	35.2	63	19	3.4	0.7	< 0.2	0.4	< 0.1	15.6	< 0.2	17	109	< 1	4	7	14
251410	< 1	< 20	23.1	42	12	2.4	0.6	< 0.2	0.3	< 0.1	15.3	< 0.2	26	85	< 1	5	3	10
251411	< 1	30	49.5	88	32	5.1	1.1	0.6	0.9	0.1	15.9	< 0.2	21	34	< 1	11	7	13
251412	< 1	40	6.7	12	< 3	1.0	0.3	< 0.2	0.6	< 0.1	15.9	< 0.2	8	87	< 1	7	26	23
251413	< 1	< 20	30.8	54	19	3.1	0.7	< 0.2	0.6	< 0.1	15.1	< 0.2	14	22	< 1	12	7	11

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Analyte Symbol	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass	Ag	Cu	Mn	Mo	Ni	Pb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	20	0.1	1	3	0.1	0.2	0.2	0.1	0.1		0.2	1	1	1	1	1	1
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
251414	< 1	< 20	12.1	24	6	1.5	0.6	< 0.2	0.9	0.1	15.9	< 0.2	15	125	1	17	7	24
251415	< 1	< 20	12.1	24	7	1.5	0.4	< 0.2	0.9	0.1	15.4	< 0.2	10	52	1	9	8	14
251416	< 1	40	7.5	14	4	1.0	0.3	< 0.2	0.7	< 0.1	15.5	< 0.2	8	48	< 1	8	24	16
251417	< 1	50	8.7	19	7	1.2	0.4	< 0.2	1.0	0.1	15.4	< 0.2	7	77	1	9	35	24
251418	< 1	< 20	11.0	19	6	1.2	0.3	< 0.2	0.4	< 0.1	15.2	< 0.2	22	21	< 1	8	9	19
251419	< 1	< 20	15.4	31	9	2.4	0.8	< 0.2	2.0	0.2	15.5	< 0.2	6	88	< 1	6	8	27
251420	< 1	60	17.6	33	7	1.9	0.6	< 0.2	1.2	0.2	15.6	< 0.2	13	108	2	8	50	37
251421	< 1	30	23.1	35	12	2.5	0.6	0.3	0.8	< 0.1	15.2	< 0.2	21	327	< 1	9	6	18
251422	< 1	50	6.2	12	4	0.9	0.2	< 0.2	0.6	< 0.1	15.8	< 0.2	9	95	< 1	6	44	36
251423	< 1	100	13.2	24	10	2.6	0.8	0.4	1.9	0.2	15.4	< 0.2	29	333	< 1	23	8	38
251424	< 1	40	7.3	15	4	1.1	0.3	< 0.2	1.0	0.2	15.2	< 0.2	5	57	1	5	16	22
251425	< 1	30	5.5	11	4	0.8	< 0.2	< 0.2	0.4	< 0.1	15.3	< 0.2	7	35	< 1	5	22	19
251426	< 1	< 20	3.7	7	< 3	0.6	< 0.2	< 0.2	0.2	< 0.1	15.5	< 0.2	5	36	< 1	4	17	19
251427	< 1	30	5.7	14	4	0.8	< 0.2	< 0.2	0.3	< 0.1	15.1	< 0.2	5	1850	< 1	3	10	23
251428	< 1	30	1.3	2	< 3	0.2	< 0.2	< 0.2	< 0.1	< 0.1	15.0	< 0.2	3	719	< 1	< 1	3	29
251429	< 1	30	1.8	3	< 3	0.3	< 0.2	< 0.2	0.1	< 0.1	15.1	< 0.2	3	1130	< 1	< 1	11	23
251430	< 1	< 20	2.0	3	< 3	0.3	< 0.2	< 0.2	< 0.1	< 0.1	15.1	< 0.2	2	36	< 1	< 1	1	6
251431	< 1	< 20	23.1	36	14	2.2	0.6	< 0.2	0.6	< 0.1	15.8	< 0.2	13	61	< 1	4	2	3
251432	< 1	30	5.4	9	6	0.8	< 0.2	< 0.2	0.2	< 0.1	15.3	< 0.2	6	129	1	6	3	16
251433	< 1	< 20	1.6	2	< 3	0.2	< 0.2	< 0.2	< 0.1	< 0.1	15.5	< 0.2	4	236	< 1	2	5	14
251434	< 1	< 20	1.8	3	< 3	0.3	< 0.2	< 0.2	0.1	< 0.1	15.8	< 0.2	4	108	< 1	2	9	17
251435	1	< 20	3.6	6	< 3	0.4	< 0.2	< 0.2	0.2	< 0.1	15.4	< 0.2	13	534	2	4	3	16
251436	< 1	< 20	5.2	12	6	0.7	< 0.2	< 0.2	0.2	< 0.1	15.3	< 0.2	11	257	< 1	5	2	11
251437	< 1	< 20	10.4	24	8	1.4	0.3	< 0.2	0.4	< 0.1	15.7	< 0.2	10	2110	< 1	7	5	13
251438	2	30	7.2	14	6	1.0	< 0.2	< 0.2	0.4	< 0.1	15.7	< 0.2	9	319	< 1	4	5	23
251439	< 1	< 20	36.3	73	22	4.4	1.0	< 0.2	1.3	0.2	15.4	< 0.2	15	167	1	10	4	27
251440	17	50	12.1	24	6	1.5	0.4	< 0.2	0.9	0.1	15.6	< 0.2	9	91	< 1	9	52	33
251441	< 1	30	3.2	7	< 3	0.4	< 0.2	< 0.2	0.2	< 0.1	15.7	< 0.2	5	150	1	3	24	33
251442	< 1	30	5.7	11	3	0.6	< 0.2	< 0.2	0.2	< 0.1	15.2	< 0.2	7	44	< 1	3	2	18
251443	< 1	< 20	2.5	4	< 3	0.3	< 0.2	< 0.2	< 0.1	< 0.1	15.3	< 0.2	8	58	1	3	< 1	13
251444	< 1	20	2.0	3	< 3	0.3	< 0.2	< 0.2	0.1	< 0.1	15.2	< 0.2	4	95	< 1	1	1	11
251445	< 1	20	2.3	4	< 3	0.3	< 0.2	< 0.2	0.2	< 0.1	15.5	< 0.2	9	480	< 1	3	3	16
251446	< 1	30	6.3	8	6	0.9	< 0.2	< 0.2	0.2	< 0.1	15.7	< 0.2	36	357	< 1	6	< 1	13
251447	< 1	20	3.2	4	< 3	0.4	< 0.2	< 0.2	0.2	< 0.1	15.3	< 0.2	12	278	< 1	3	7	18
251448	< 1	< 20	2.9	6	< 3	0.3	< 0.2	< 0.2	0.1	< 0.1	15.8	< 0.2	7	18	< 1	1	3	6
251449	< 1	20	1.8	4	< 3	0.3	< 0.2	< 0.2	0.1	< 0.1	15.8	< 0.2	3	71	< 1	1	4	16
251450	< 1	< 20	2.5	6	< 3	0.3	< 0.2	< 0.2	0.1	< 0.1	15.3	< 0.2	5	120	2	1	1	10
251451	< 1	< 20	2.8	4	< 3	0.3	< 0.2	< 0.2	0.2	< 0.1	15.6	< 0.2	5	149	2	2	4	14
251452	< 1	< 20	2.9	4	< 3	0.3	< 0.2	< 0.2	0.2	< 0.1	15.6	< 0.2	5	83	2	2	2	6
251453	< 1	< 20	4.6	9	3	0.6	< 0.2	< 0.2	0.2	< 0.1	15.3	< 0.2	4	28	< 1	2	13	15
251454	< 1	< 20	17.6	42	14	2.8	0.8	< 0.2	1.0	0.1	15.9	< 0.2	9	1500	3	30	5	31
251455	< 1	20	12.1	24	7	1.8	0.6	< 0.2	1.0	0.1	15.4	< 0.2	7	831	2	17	13	25
251456	< 1	30	10.4	23	8	1.5	0.3	0.3	0.7	< 0.1	15.5	< 0.2	8	363	1	8	7	26
251457	< 1	< 20	2.9	4	< 3	0.3	< 0.2	< 0.2	0.2	< 0.1	15.6	< 0.2	4	119	1	2	9	13
251458	< 1	30	8.4	18	4	1.1	0.2	0.2	0.4	< 0.1	15.3	< 0.2	5	99	1	5	10	16
251459	< 1	40	2.1	3	< 3	0.3	< 0.2	< 0.2	0.1	< 0.1	15.2	< 0.2	2	162	1	2	11	37
251460	< 1	< 20	8.5	18	4	1.2	0.4	0.3	0.7	0.1	16.0	< 0.2	5	172	< 1	6	14	23
251461	< 1	30	12.1	22	7	1.6	0.4	0.3	0.7	< 0.1	15.6	< 0.2	19	44	< 1	4	6	15
251462	< 1	< 20	9.7	18	6	1.3	0.4	< 0.2	0.6	< 0.1	15.2	< 0.2	10	70	< 1	4	11	22
251463	< 1	< 20	9.0	19	4	1.3	0.3	< 0.2	0.6	< 0.1	15.3	< 0.2	6	89	1	12	7	12
251464	< 1	< 20	33.0	65	17	3.6	0.9	< 0.2	1.1	0.1	15.8	< 0.2	16	134	1	15	4	17
251465	< 1	< 20	22.0	50	18	2.8	0.6	0.4	0.8	< 0.1	15.2	< 0.2	13	1280	< 1	7	8	16

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Analyte Symbol	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass	Ag	Cu	Mn	Mo	Ni	Pb	Zn
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	20	0.1	1	3	0.1	0.2	0.2	0.1	0.1		0.2	1	1	1	1	1	1
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
2131120	< 1	40	33.6	73	22	4.3	1.0	< 0.2	1.7	0.1	15.7	< 0.2	13	262	< 1	11	7	29
2111086	< 1	40	10.3	20	6	1.1	< 0.2	< 0.2	0.2	< 0.1	15.5	< 0.2	14	148	1	3	2	24
2111087	< 1	30	9.7	19	6	1.3	0.4	< 0.2	0.8	< 0.1	15.1	< 0.2	5	191	< 1	4	30	19
2111088	< 1	< 20	5.8	11	< 3	0.7	< 0.2	< 0.2	0.5	< 0.1	15.2	0.4	6	516	< 1	4	18	10
2111089	< 1	< 20	15.6	32	11	1.7	0.4	0.4	0.6	< 0.1	15.1	< 0.2	8	117	< 1	5	23	20
2111091	< 1	40	14.4	29	8	1.9	0.5	< 0.2	1.3	0.1	15.7	< 0.2	10	4970	< 1	7	51	28
2111092	2	30	24.0	47	12	2.3	0.5	< 0.2	0.7	< 0.1	15.1	< 0.2	23	450	1	6	4	18
2111093	< 1	< 20	11.9	23	7	1.1	< 0.2	< 0.2	0.4	< 0.1	15.5	< 0.2	13	210	1	4	1	15
2111094	< 1	30	7.7	14	5	0.7	< 0.2	< 0.2	0.1	< 0.1	15.1	< 0.2	9	187	2	3	< 1	18
2111095	< 1	30	8.8	14	4	0.8	< 0.2	< 0.2	0.2	< 0.1	15.0	< 0.2	8	80	2	3	1	15
2111096	< 1	< 20	14.4	25	10	1.6	0.4	< 0.2	0.6	< 0.1	15.3	< 0.2	11	214	1	9	2	16
2111097	< 1	< 20	6.5	13	4	0.7	< 0.2	< 0.2	0.2	< 0.1	15.2	< 0.2	6	141	1	3	2	11
2111098	< 1	< 20	4.3	7	< 3	0.5	< 0.2	< 0.2	0.2	< 0.1	15.1	< 0.2	3	21	< 1	2	1	6
2111099	< 1	< 20	10.1	22	8	1.1	0.2	< 0.2	0.5	< 0.1	15.8	< 0.2	7	280	1	4	6	9
2111100	< 1	< 20	9.1	18	7	1.1	0.2	< 0.2	0.4	< 0.1	15.3	< 0.2	6	293	1	5	6	11
2111101	< 1	< 20	6.5	13	5	0.6	< 0.2	< 0.2	0.2	< 0.1	15.1	< 0.2	4	30	2	2	< 1	11
2111102	< 1	20	11.0	23	6	1.1	< 0.2	< 0.2	0.4	< 0.1	15.4	< 0.2	7	65	< 1	2	2	15
2111103	< 1	< 20	2.5	5	< 3	0.4	< 0.2	< 0.2	0.2	< 0.1	15.2	< 0.2	3	57	< 1	1	< 1	9
2111104	< 1	20	8.5	17	5	1.0	< 0.2	< 0.2	0.4	< 0.1	15.3	< 0.2	14	170	2	3	1	17
2111105	< 1	< 20	10.2	18	6	1.1	0.2	< 0.2	0.4	< 0.1	15.2	< 0.2	9	108	< 1	4	1	13
2111106	< 1	< 20	4.6	8	4	0.6	< 0.2	< 0.2	0.2	< 0.1	15.1	< 0.2	7	91	2	4	< 1	16
2111107	< 1	30	8.0	16	5	0.8	< 0.2	< 0.2	0.4	< 0.1	15.6	< 0.2	7	36	1	3	1	15
2111108	< 1	< 20	2.4	5	< 3	0.4	< 0.2	< 0.2	0.1	< 0.1	15.6	< 0.2	3	23	< 1	1	< 1	9
2111109	< 1	< 20	3.5	6	< 3	0.5	< 0.2	< 0.2	0.2	< 0.1	15.1	< 0.2	8	119	2	3	< 1	11
2111110	< 1	< 20	3.1	6	< 3	0.5	< 0.2	< 0.2	0.2	< 0.1	15.0	< 0.2	13	14	2	4	< 1	13
2111111	< 1	< 20	3.6	5	4	0.5	< 0.2	< 0.2	0.2	< 0.1	15.4	< 0.2	21	211	1	4	< 1	15
2111112	< 1	< 20	7.6	14	< 3	1.1	< 0.2	< 0.2	0.5	< 0.1	15.5	< 0.2	7	70	< 1	5	7	12
2111113	< 1	90	5.3	11	< 3	0.7	< 0.2	< 0.2	0.5	< 0.1	15.0	< 0.2	5	126	< 1	3	22	64
2111114	< 1	60	5.3	10	< 3	0.7	< 0.2	< 0.2	0.5	< 0.1	15.4	0.5	5	593	< 1	3	15	36
2111115	< 1	50	9.6	19	6	1.1	0.4	< 0.2	0.7	0.1	15.4	0.5	6	243	< 1	4	25	28
2111116	< 1	80	8.2	14	5	1.0	0.2	< 0.2	0.5	< 0.1	15.1	0.3	8	2740	< 1	4	24	70
2111117	< 1	160	10.3	22	6	1.3	0.4	< 0.2	1.0	0.1	15.4	0.5	10	4590	1	5	41	126
2111118	< 1	40	9.7	19	6	1.6	0.5	< 0.2	1.1	0.1	15.3	< 0.2	5	2010	1	8	19	29
2111090 EXTRA	< 1	80	10.3	20	5	1.3	0.4	0.2	0.7	< 0.1	15.2	< 0.2	8	4050	< 1	5	32	60

Activation Laboratories Ltd. Report: A12-08437

Quality Control																								
Analyte Symbol	Au	As	Ba	Br	Ca	Fe	Ag	Cu	Mn	Mo	Ni	Pb	Zn	Co	Na	Rb	Sb	Sc	Sr	U	Zn	La	Ce	Sm
Unit Symbol	ppb	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	1	100	1	0.5	0.05	0.2	1	1	1	1	1	1	1	100	20	0.1	0.1	100	0.1	20	0.1	1	0.1
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
2131068 Dup							< 0.2	7	94	< 1	7	< 1	4											
2131081 Orig							< 0.2	7	12	< 1	3	< 1	3											
2131081 Dup							< 0.2	7	12	< 1	3	< 1	3											
2131095 Orig							< 0.2	7	70	< 1	5	12	16											
2131095 Dup							< 0.2	7	69	< 1	4	12	16											
2131113 Orig							< 0.2	12	46	1	10	5	14											
2131113 Dup							< 0.2	12	45	< 1	9	6	13											
2111093 Orig							< 0.2	13	208	1	4	2	15											
2111093 Dup							< 0.2	13	212	1	4	1	14											
2111106 Orig							< 0.2	7	91	2	4	< 1	16											
2111106 Dup							< 0.2	7	91	2	3	< 1	16											
Method Blank							< 0.2	< 1	< 1	< 1	< 1	< 1	< 1											
Method Blank							< 0.2	< 1	< 1	< 1	< 1	< 1	< 1											
Method Blank							< 0.2	1	5	< 1	< 1	< 1	3											
Method Blank							< 0.2	< 1	1	< 1	2	< 1	< 1											
Method Blank							< 0.2	< 1	< 1	< 1	< 1	< 1	< 1											
Method Blank							< 0.2	< 1	< 1	< 1	< 1	< 1	< 1											

Quality Control

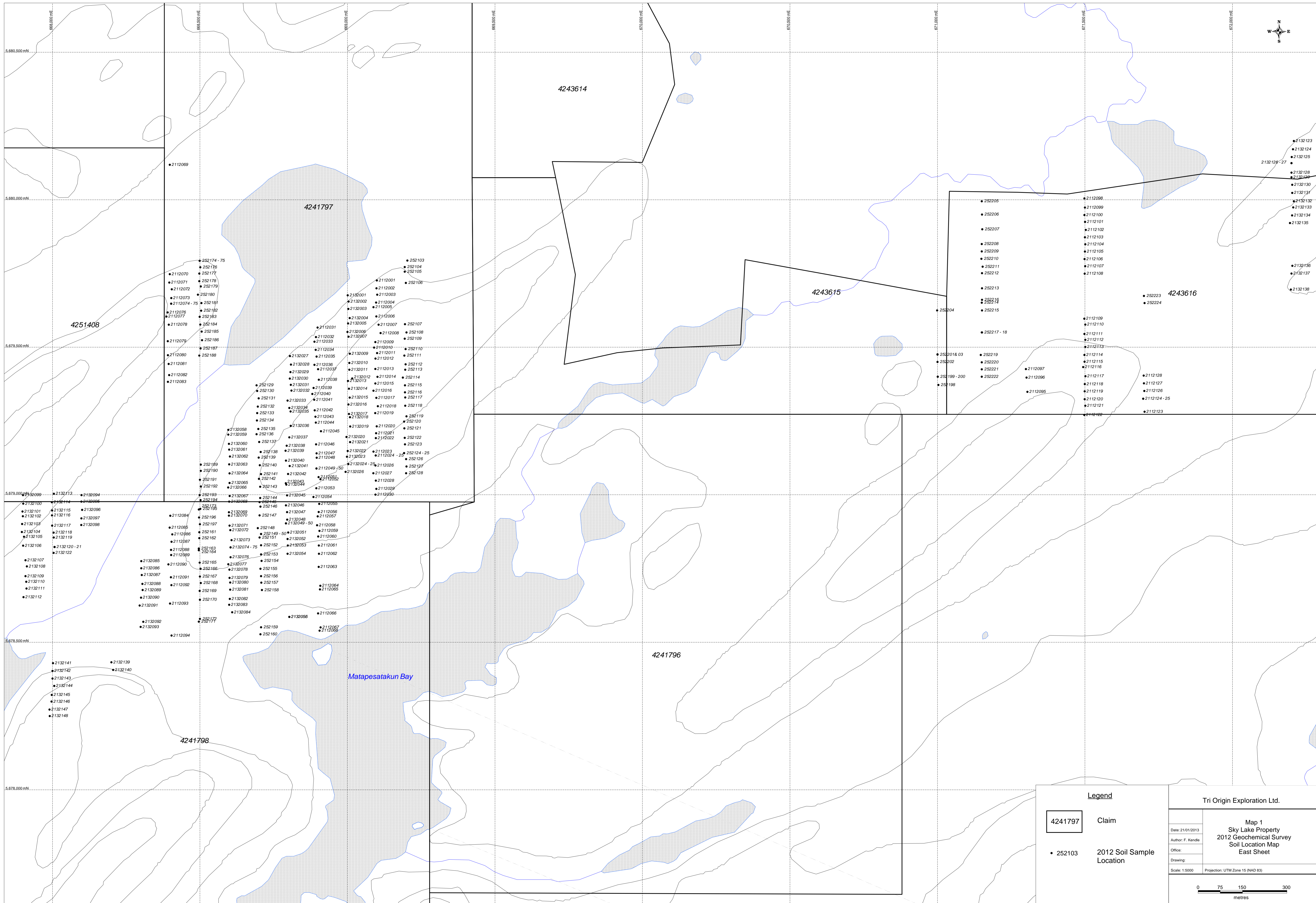
Analyte Symbol	Yb
Unit Symbol	ppm
Detection Limit	0.1
Analysis Method	INAA

GXR-1 Meas	
GXR-1 Cert	
GXR-1 Meas	
GXR-1 Cert	
GXR-1 Meas	
GXR-1 Cert	
GXR-1 Meas	
GXR-1 Cert	
GXR-4 Meas	
GXR-4 Cert	
GXR-4 Meas	
GXR-4 Cert	
GXR-4 Meas	
GXR-4 Cert	
GXR-6 Meas	
GXR-6 Cert	
GXR-6 Meas	
GXR-6 Cert	
GXR-6 Meas	
GXR-6 Cert	
L-Std-3 Meas	0.2
L-Std-3 Cert	0.290
L-Std-3 Meas	0.2
L-Std-3 Cert	0.290
251374 Orig	
251374 Dup	
251388 Orig	
251388 Dup	
251401 Orig	
251401 Dup	
251415 Orig	
251415 Dup	
251438 Orig	
251438 Dup	
251452 Orig	
251452 Dup	
251465 Orig	
251465 Dup	
2111007 Orig	
2111007 Dup	
2111025 Orig	
2111025 Dup	
2111039 Orig	
2111039 Dup	
2111052 Orig	
2111052 Dup	
2111072 Orig	
2111072 Dup	
2131004 Orig	
2131004 Dup	
2131017 Orig	
2131017 Dup	
2131031 Orig	
2131031 Dup	
2131054 Orig	
2131054 Dup	
2131068 Orig	

Quality Control	
Analyte Symbol	Yb
Unit Symbol	ppm
Detection Limit	0.1
Analysis Method	INAA

2131068 Dup
2131081 Orig
2131081 Dup
2131095 Orig
2131095 Dup
2131113 Orig
2131113 Dup
2111093 Orig
2111093 Dup
2111106 Orig
2111106 Dup
Method Blank
Method Blank
Method Blank
Method Blank
Method Blank

MAPS



Legend

- 4241797 Claim
- 252103 2012 Soil Sample Location

Tri Origin Exploration Ltd.	
Map 1 Sky Lake Property 2012 Geochemical Survey Soil Location Map East Sheet	
Date: 21/01/2013	
Author: F. Kendle	
Office:	
Drawing:	
Scale: 1:5000	Projection: UTM Zone 15 (NAD 83)



5,680,500 mN
 5,680,000 mN
 5,679,500 mN
 5,679,000 mN
 5,678,500 mN
 5,678,000 mN

211069
 211070
 211071
 211072
 211073
 211074

211075
 211076
 211077
 211078
 211079
 211080
 211081
 211082
 211083
 211084
 211085

213075
 213076
 213077
 213078
 213079
 213080
 213081
 213082
 213083
 213084
 213085

213053
 213054
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 213058
 213059
 213060
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 213069
 213070
 213071
 213072
 213073
 213074
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 213076
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 213085

213099-100
 213101
 213102

Legend

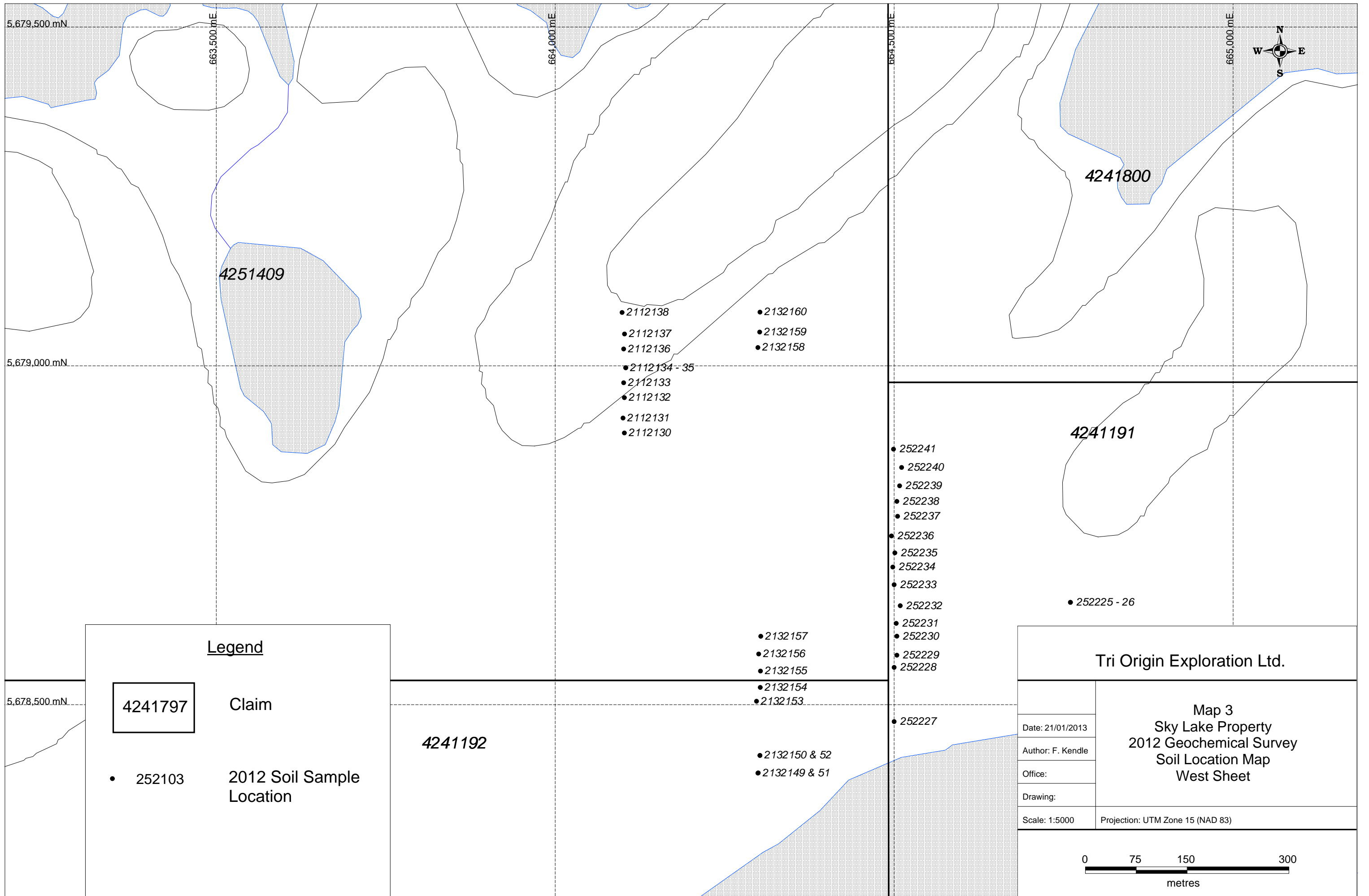
4241797 Claim

251405 2012 Humus Sample Location

Tri Origin Exploration Ltd.

Map 2
 Sky Lake Property
 2012 Geochemical Survey
 Humus Location Map
 East Sheet

Date: 21/01/2013
 Author: F. Kerdie
 Office:
 Drawing:
 Scale: 1:5000 Projection: UTM Zone 15 (NAD 83)



5,679,500 mN

663,500 mE

664,000 mE

664,500 mE

665,000 mE

5,679,000 mN

4251409

4241800

- 2112138
- 2112137
- 2112136
- 2112134 - 35
- 2112133
- 2112132
- 2112131
- 2112130
- 2132160
- 2132159
- 2132158

4241191

- 252241
- 252240
- 252239
- 252238
- 252237
- 252236
- 252235
- 252234
- 252233
- 252232
- 252231
- 252230
- 252229
- 252228

• 252225 - 26

5,678,500 mN

Legend

4241797

Claim

- 252103

2012 Soil Sample Location

4241192

- 2132157
- 2132156
- 2132155
- 2132154
- 2132153

- 2132150 & 52
- 2132149 & 51

• 252227

Tri Origin Exploration Ltd.

Date: 21/01/2013

Author: F. Kendle

Office:

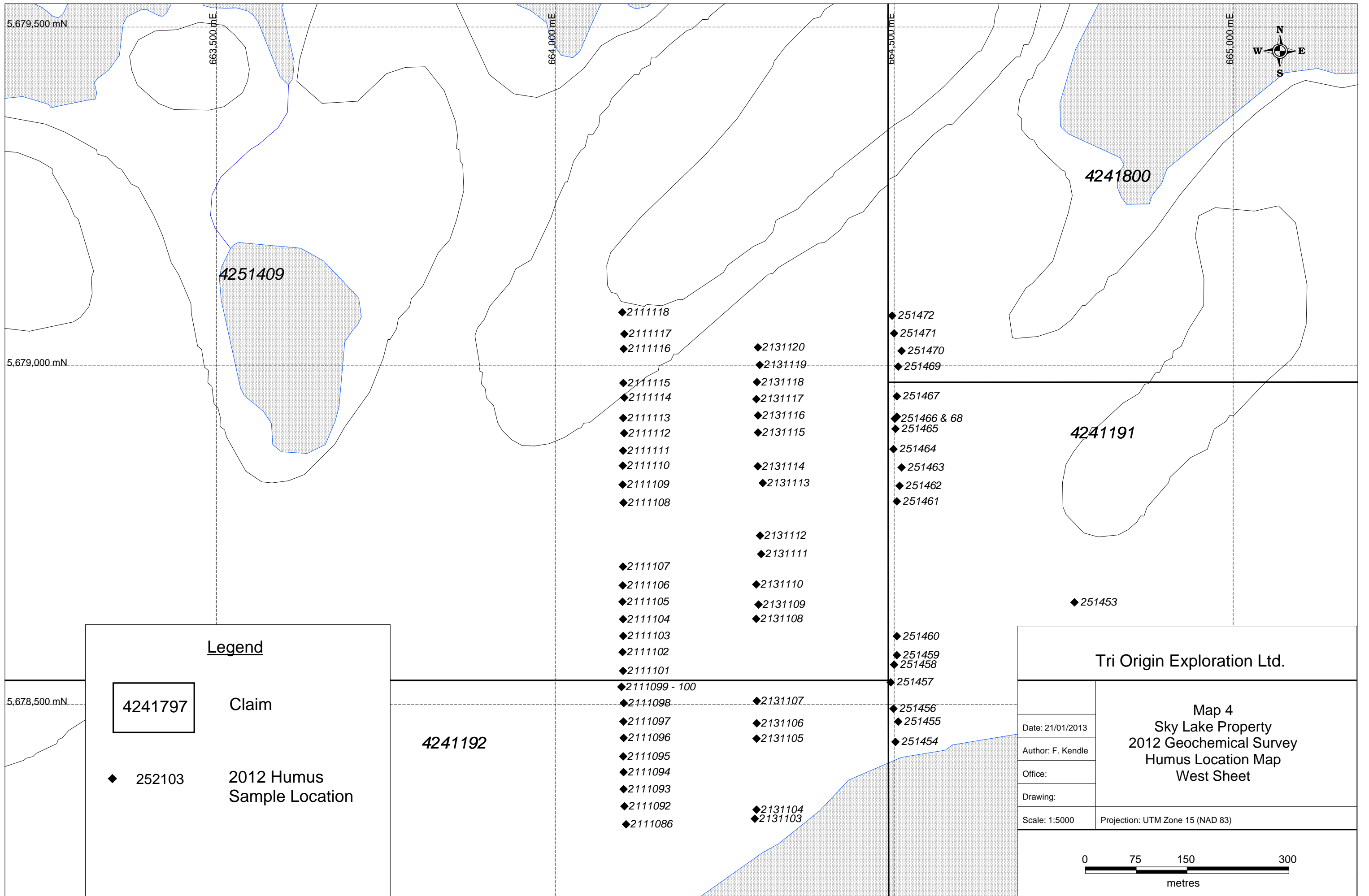
Drawing:

Scale: 1:5000

Projection: UTM Zone 15 (NAD 83)

Map 3
Sky Lake Property
2012 Geochemical Survey
Soil Location Map
West Sheet





Legend

- 4241797 Claim
- ◆ 252103 2012 Humus Sample Location

Tri Origin Exploration Ltd.

**Map 4
Sky Lake Property
2012 Geochemical Survey
Humus Location Map
West Sheet**

Date: 21/01/2013

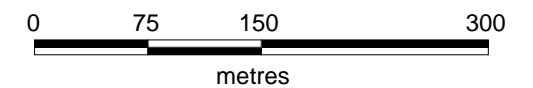
Author: F. Kendle

Office:

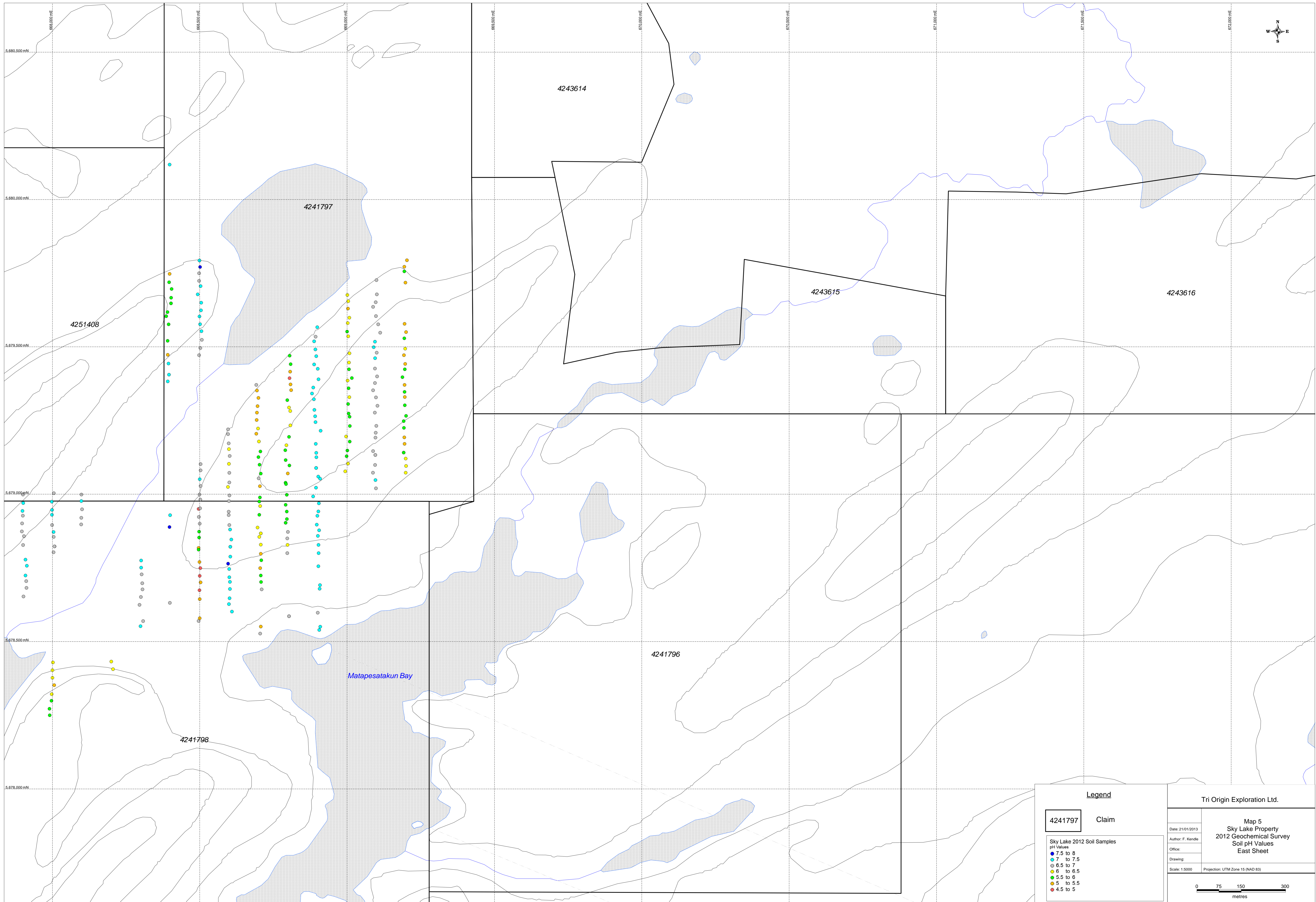
Drawing:

Scale: 1:5000

Projection: UTM Zone 15 (NAD 83)



- ◆2111118
- ◆2111117
- ◆2111116
- ◆2111115
- ◆2111114
- ◆2111113
- ◆2111112
- ◆2111111
- ◆2111110
- ◆2111109
- ◆2111108
- ◆2111107
- ◆2111106
- ◆2111105
- ◆2111104
- ◆2111103
- ◆2111102
- ◆2111101
- ◆2111099 - 100
- ◆2111098
- ◆2111097
- ◆2111096
- ◆2111095
- ◆2111094
- ◆2111093
- ◆2111092
- ◆2111086
- ◆2131120
- ◆2131119
- ◆2131118
- ◆2131117
- ◆2131116
- ◆2131115
- ◆2131114
- ◆2131113
- ◆2131112
- ◆2131111
- ◆2131110
- ◆2131109
- ◆2131108
- ◆2131107
- ◆2131106
- ◆2131105
- ◆2131104
- ◆2131103
- ◆251472
- ◆251471
- ◆251470
- ◆251469
- ◆251467
- ◆251466 & 68
- ◆251465
- ◆251464
- ◆251463
- ◆251462
- ◆251461
- ◆251460
- ◆251459
- ◆251458
- ◆251457
- ◆251456
- ◆251455
- ◆251454
- ◆251453



Legend

4241797 Claim

Sky Lake 2012 Soil Samples pH Values

- 7.5 to 8
- 7 to 7.5
- 6.5 to 7
- 6 to 6.5
- 5.5 to 6
- 5 to 5.5
- 4.5 to 5

Tri Origin Exploration Ltd.

Date: 21/01/2013

Author: F. Kendle

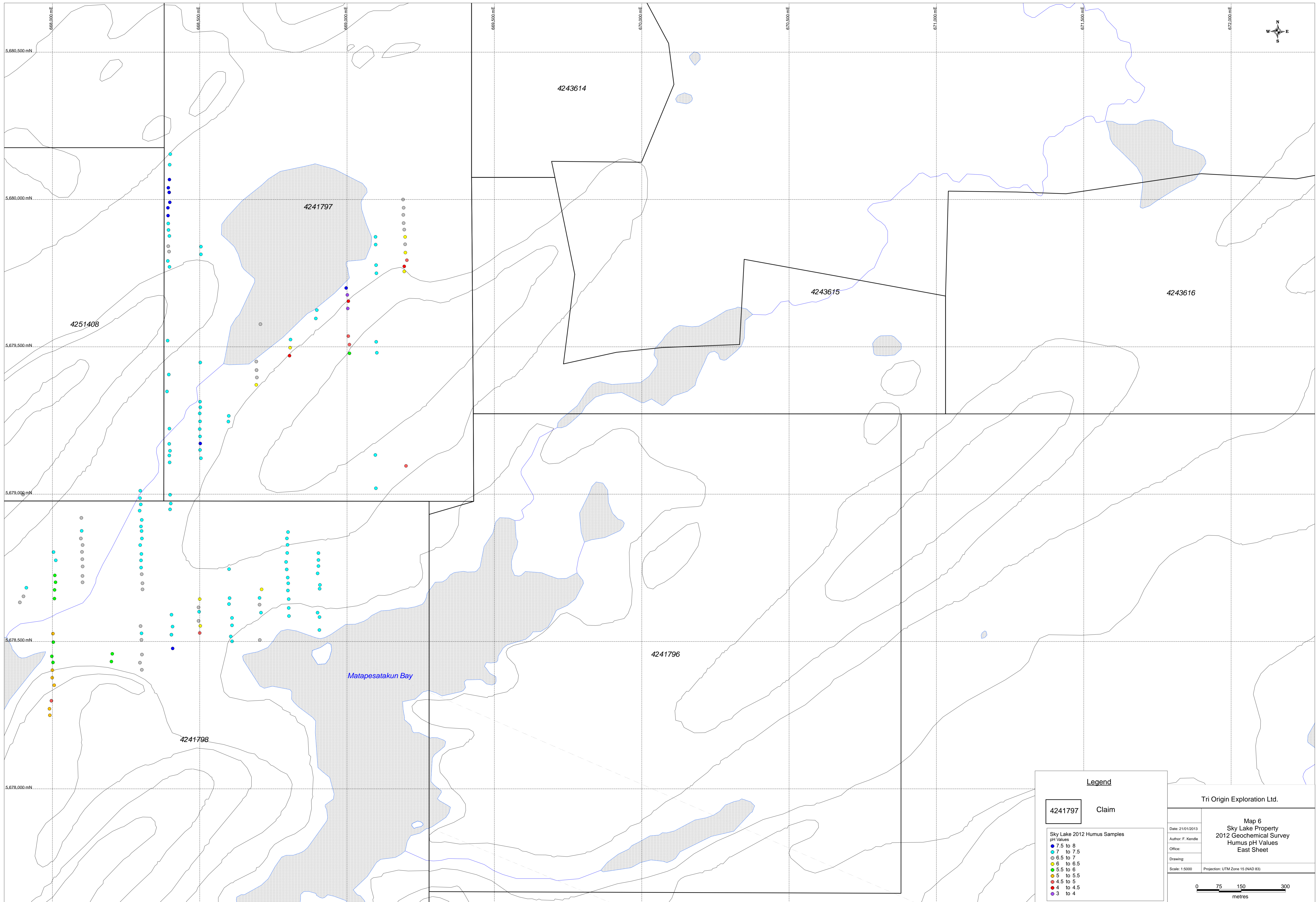
Office:

Drawing:

Scale: 1:5000 Projection: UTM Zone 15 (NAD 83)

Map 5
Sky Lake Property
2012 Geochemical Survey
Soil pH Values
East Sheet

0 75 150 300 metres



Legend

4241797 Claim

Sky Lake 2012 Humus Samples
pH Values

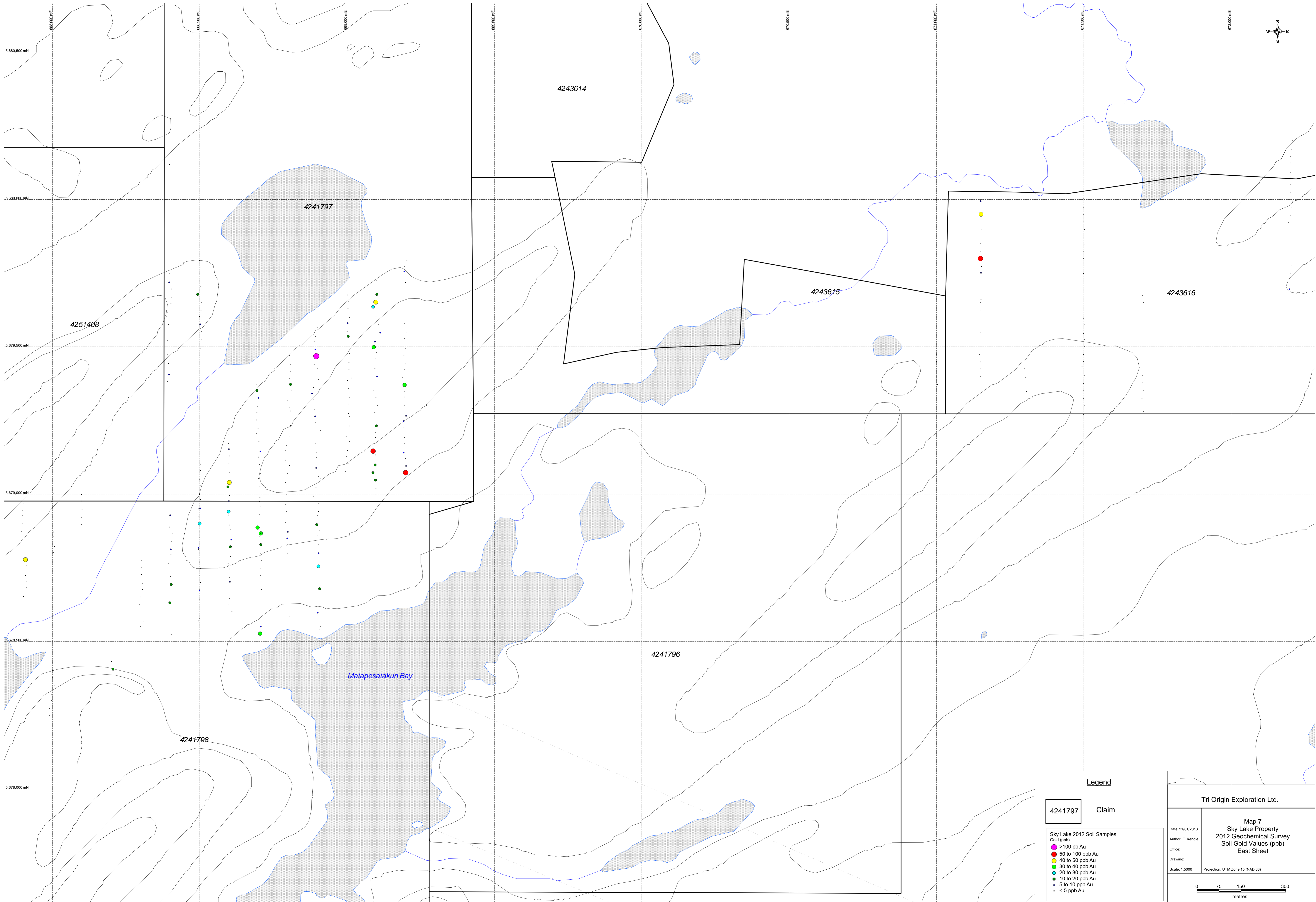
- 7.5 to 8
- 7 to 7.5
- 6.5 to 7
- 6 to 6.5
- 5.5 to 6
- 5 to 5.5
- 4.5 to 5
- 4 to 4.5
- 3 to 4

Tri Origin Exploration Ltd.

Date: 21/01/2013
 Author: F. Kerdle
 Office:
 Drawing:
 Scale: 1:5000
 Projection: UTM Zone 15 (NAD 83)

Map 6
 Sky Lake Property
 2012 Geochemical Survey
 Humus pH Values
 East Sheet

0 75 150 300
 metres



Legend

4241797 Claim

Sky Lake 2012 Soil Samples
Gold (ppb)

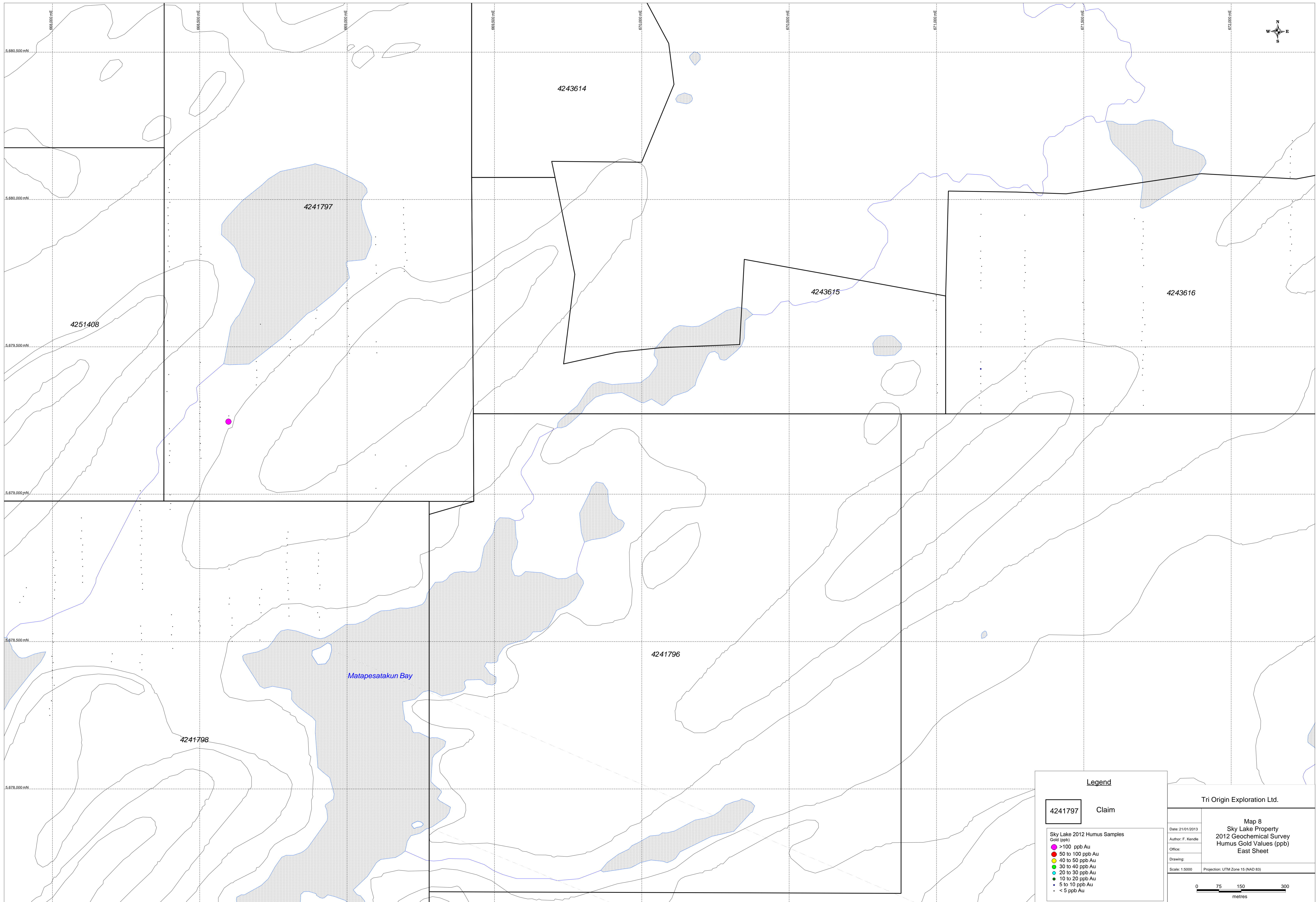
- >100 pb Au
- 50 to 100 ppb Au
- 40 to 50 ppb Au
- 30 to 40 ppb Au
- 20 to 30 ppb Au
- 10 to 20 ppb Au
- 5 to 10 ppb Au
- < 5 ppb Au

Tri Origin Exploration Ltd.

Date: 21/01/2013
 Author: F. Kerdie
 Office:
 Drawing:
 Scale: 1:5000
 Projection: UTM Zone 15 (NAD 83)

Map 7
 Sky Lake Property
 2012 Geochemical Survey
 Soil Gold Values (ppb)
 East Sheet

0 75 150 300
metres



Legend

4241797 Claim

Sky Lake 2012 Humus Samples
Gold (ppb)

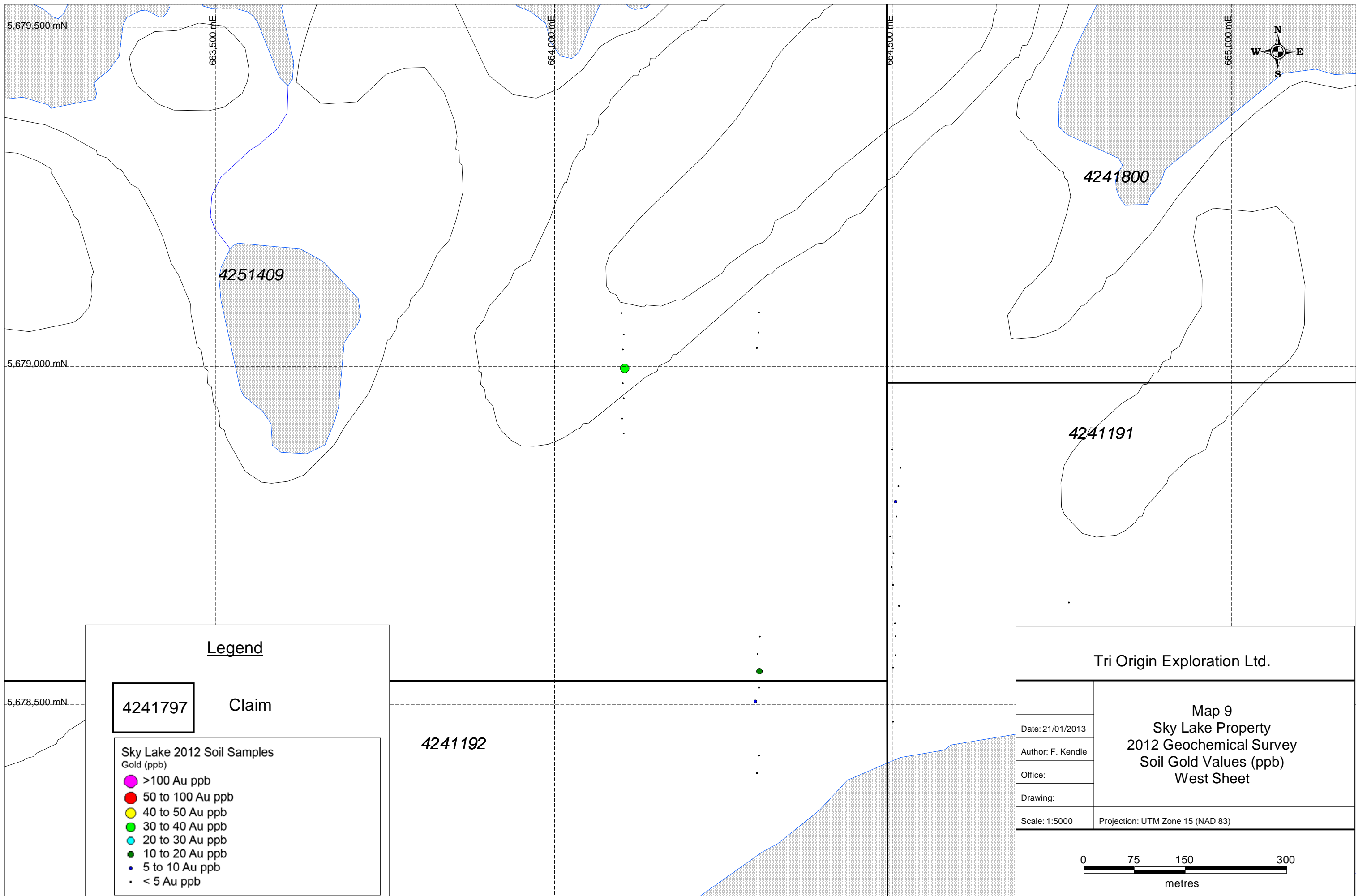
- >100 ppb Au
- 50 to 100 ppb Au
- 40 to 50 ppb Au
- 30 to 40 ppb Au
- 20 to 30 ppb Au
- 10 to 20 ppb Au
- 5 to 10 ppb Au
- < 5 ppb Au

Tri Origin Exploration Ltd.

Date: 21/01/2013
 Author: F. Kendle
 Office:
 Drawing:
 Scale: 1:5000
 Projection: UTM Zone 15 (NAD 83)

Map 8
 Sky Lake Property
 2012 Geochemical Survey
 Humus Gold Values (ppb)
 East Sheet

0 75 150 300
metres



5,679,500 mN

663,500 mE

664,000 mE

664,500 mE

665,000 mE

5,679,000 mN

4251409

4241800

4241191

5,678,500 mN

4241797

Legend

Claim

Sky Lake 2012 Soil Samples
Gold (ppb)

- >100 Au ppb
- 50 to 100 Au ppb
- 40 to 50 Au ppb
- 30 to 40 Au ppb
- 20 to 30 Au ppb
- 10 to 20 Au ppb
- 5 to 10 Au ppb
- < 5 Au ppb

4241192

Tri Origin Exploration Ltd.

Date: 21/01/2013

Author: F. Kandle

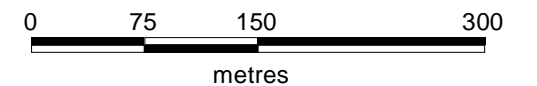
Office:

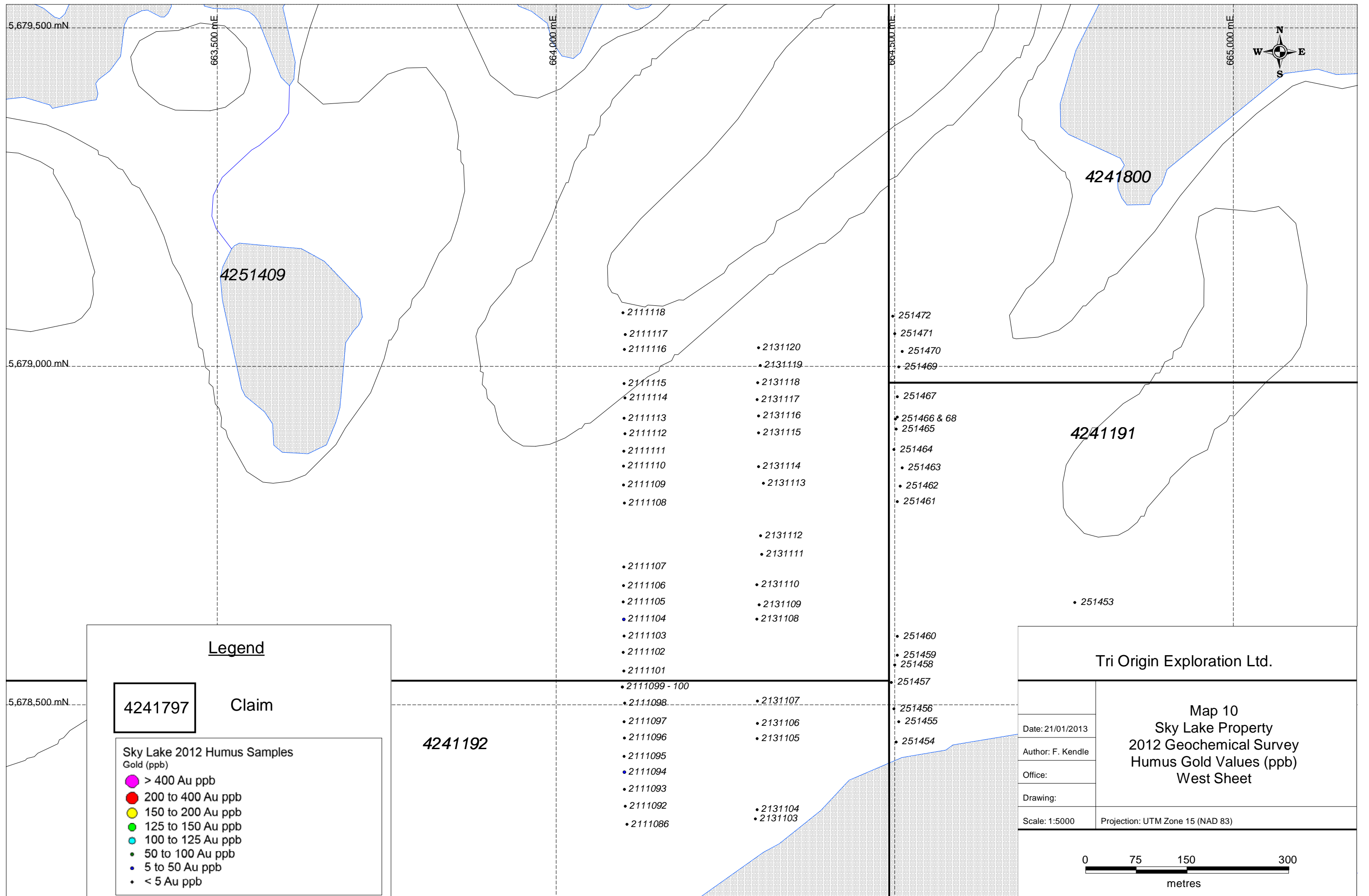
Drawing:

Scale: 1:5000

Projection: UTM Zone 15 (NAD 83)

Map 9
Sky Lake Property
2012 Geochemical Survey
Soil Gold Values (ppb)
West Sheet





5,679,500 mN

663,500 mE

664,000 mE

664,500 mE

665,000 mE

5,679,000 mN

4251409

4241800

- 2111118
- 2111117
- 2111116
- 2131120
- 2131119
- 2111115
- 2111114
- 2111113
- 2111112
- 2111111
- 2111110
- 2111109
- 2111108
- 2131118
- 2131117
- 2131116
- 2131115
- 2131114
- 2131113
- 2131112
- 2131111
- 2111107
- 2111106
- 2111105
- 2111104
- 2111103
- 2111102
- 2111101
- 2111099 - 100
- 2111098
- 2111097
- 2111096
- 2111095
- 2111094
- 2111093
- 2111092
- 2111086
- 2131110
- 2131109
- 2131108
- 2131107
- 2131106
- 2131105
- 2131104
- 2131103
- 251472
- 251471
- 251470
- 251469
- 251467
- 251466 & 68
- 251465
- 251464
- 251463
- 251462
- 251461
- 251460
- 251459
- 251458
- 251457
- 251456
- 251455
- 251454

4241191

• 251453

5,678,500 mN

4241797

Legend

Claim

- Sky Lake 2012 Humus Samples
Gold (ppb)
- > 400 Au ppb
 - 200 to 400 Au ppb
 - 150 to 200 Au ppb
 - 125 to 150 Au ppb
 - 100 to 125 Au ppb
 - 50 to 100 Au ppb
 - 5 to 50 Au ppb
 - < 5 Au ppb

4241192

Tri Origin Exploration Ltd.

Date: 21/01/2013

Author: F. Kendle

Office:

Drawing:

Scale: 1:5000

Projection: UTM Zone 15 (NAD 83)

Map 10
Sky Lake Property
2012 Geochemical Survey
Humus Gold Values (ppb)
West Sheet

