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**ASSESSMENT REPORT FOR LILYPAD PROJECT,
FIELD WORK 2020 and 2021
ONTARIO
1 June 2022**

TOWNSHIP/AREA: Thunder Bay Mining Division, Ontario

NTS: 052P09

LOCATION UTM: ZONE 16N: 5720772 North 411758 East (NAD83);

LATITUDE AND LONGITUDE: Latitude 51° 038' N Longitude 88° 15' W

Magnetic Declination in 2021: 5° 38.44' West

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Chris Pedersen (BSc, P. Geo)

Signed: S. Bodeving  

Dated: 15 July 2022 _____ 15 July 2022 _____ 15 July 2022 _____

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SUMMARY

This report covers two years (2020-21) of exploration work at the Lilypad Project of Avalon Advanced Materials. The project had been largely dormant since 2001 but renewed activity was driven by new attention towards new possible sources of cesium, which is present at Lilypad in the mineral pollucite.

In 2018 an extremely brief visit was made to the property to assess the status of the historic camp and what would be required to renew the camp for exploration purposes.

The primary objective of the 2020 field work was to collect a mini bulk sample of Cs¹-bearing pegmatite from the Pollucite Dyke, in addition to sampling other pegmatite localities as time and access allowed. This work was helicopter supported and completed in two days. The historic exploration camp was also visited, to assess the condition and clean-up requirements of tent frames and any drill-related material, and to assess condition of core and core racks stored at the camp.

Twenty-one samples of historic drill core and twenty-three samples of rock outcrop were collected in the 2020 project visit. Twenty-two samples were submitted for laboratory analysis and the remainder were retained for metallurgical testwork. The total cost of the 2020 program was \$47,015.

Table 1: Total Costs of 2020 Field Program

Category	Cost	Cost per person/day
1. Labour costs and field supervision - field work	\$ -	\$ -
1. Labour costs and Field Supervision Toronto admin salaries	\$ 7,049.40	\$ 352.47
2. Fees for contractors and consultants	\$ 12,790.75	\$ 639.54
3. Cost of supplies consumed and equipment rental: CAMP SUPPLIES	\$ 327.88	\$ 16.39
4. Cost of food and lodging	\$ 3,088.16	\$ 154.41
5. Cost of transport and travel - equipment and people	\$ 2,746.03	\$ 137.30
Flights (helicopter)	\$ 19,610.00	\$ 980.50
6. Cost of shipping samples	\$ 287.05	\$ 14.35
7. Cost of assays and sample analysis	\$ 1,115.00	\$ 55.75
8. Cost of building trail to site	\$ -	\$ -
9. Industrial mineral marketing	\$ -	\$ -
10. Aboriginal consultation	\$ -	\$ -
TOTAL	\$ 47,014.27	\$ 2,350.71

For the 2021 field program, a camp was established in the same location as for previous work and a field program of approximately four weeks was carried out. The program was completed in two stages with the first in late June and the second in late July. The technical

¹ Elemental symbols are used throughout including Cs for cesium, Ta for tantalum, Li for lithium and K for potassium

work included rock sampling, both regional and localised at showings, soil sampling and biogeochemistry sampling. The rock sampling was coordinated with a mapping program both to bring historic geological maps into current UTM grid systems and also add to the historic mapping. It was supported by camp construction and limited grid establishment and supplied from Armstrong Station by NDK Air using float equipped Otter and Beaver aircraft.

The total number of samples collected in 2021 is given in the table below.

Table 2: GEOCHEMICAL SAMPLES COLLECTED

	1st program	2nd program	Total
Soil samples	18	75	94
Biogeochem	270	456	728
Rocks	0	28	28
Water (regional)	9	10	19
Water (camp safety)	12	8	20
Total	288	559	847

Note that not all samples were submitted for analysis so the number collected and number analysed may not be equal in all cases. In some cases, especially vegetation, the laboratory had delays in processing as of the date of this report and 456 results are pending.

The total expenditure for the field program was \$356,000.

Table 3: Total Costs for 2021 Field Program

ITEM	TOTAL	PER PERSON/DAY (291)
1. Labour costs and field supervision - field work	\$ 107,806.30	\$ 370.47
1. Labour costs and Field Supervision Toronto admin salaries	\$ 45,301.32	\$ 155.67
2. Fees for contractors and consultants	\$ 20,068.75	\$ 68.96
3. Cost of supplies consumed and equipment rental: CAMP SUPPLIES	\$ 58,780.69	\$ 202.00
4. Cost of food and lodging	\$ 10,592.58	\$ 36.40
5. Cost of transport and travel - equipment and people	\$ 4,307.22	\$ 14.80
Flights	\$ 74,177.73	\$ 254.91
6. Cost of shipping samples	\$ 1,133.26	\$ 3.89
7. Cost of assays and sample analysis	\$ 33,451.71	\$ 114.95
8. Cost of building trail to site	\$ -	\$ -
9. Industrial mineral marketing	\$ -	\$ -
10. Aboriginal consultation	\$ -	\$ -
TOTAL	\$ 355,619.56	\$ 1,222.06

INTRODUCTION

The Lilypad Cesium-Lithium-Tantalum property ("the property") has been owned by Avalon Advanced Materials since 1999. The property is in northern Ontario about 350 kilometres north of Thunder Bay.

Considerable exploration was undertaken between the staking and work in 2001 including geological mapping, geophysical surveys and diamond drilling. The initial work was largely focused on tantalum potential. The property was dormant after 2001. Mineralization was outlined at the Rubellite Dyke, Pollucite Dyke, South Dyke, JJ Dyke, F Anomaly, and C Anomaly among others.

The purpose of this report is to document and discuss the results of the 2021 geological and geochemical field programs, to briefly mention the sample collection in 2020 and to recommend further work on the Lilypad property. The 2021 field programs were carried out under the direction of geologist Sarah Bodeving, supervised by Bill Mercer, VP, Operations, Avalon, at the time of the field program. Sarah Bodeving was assisted by Richard Brett, who completed camp construction and maintenance, as well as members of the Whitesand and Eabametoong First Nations. The work in 2020 was directed in the field by Chris Pedersen, also supervised from the corporate office by Bill Mercer.

The workers at site during the field programs are listed in Table 4 and 5. The working days include travel days.

Table 4: List of Workers 2020 Field Program

First name	Second name	Role	Sep			Oct				TOTAL
			28	29	30	1	2	3	4	
Richard	Brett	Camp manager	1	1	1	1	1	1		6.0
Sarah	Bodeving	Junior geologist	1	1	1	1	1	1	1	7.0
J. Chris	Pedersen	Senior geologist	1	1	1	1	1	1	1	7.0

conditions. There is a winter road in existence most years that runs south from Landsdowne House to Fort Hope and thus passes within about 20 kilometres of the property.

There is reportedly a “skidder road” to Opikeigen and Eabametoong First Nation (Fort Hope) (Rees, 2001). It is stated that the skidder road passes through the property along the western end of Lilypad Lake and that during winter, equipment can be driven out of Pickle Lake to Fort Hope, and then to Lilypad Lake along this road. At present there is no confirmation as to the condition of the skidder road.

The construction of an all-weather road linking Fort Hope to the south has been under discussion for some twenty years, especially more recently relating to development of the “Ring of Fire” mineral deposits, but no formal construction has commenced to date. However a powerline is in construction to remote First Nations and will likely become the road route by default. The work is part of the Wataynikaneyap Power Transmission Line Project launched in 2015, which will connect remote communities to the grid over an 1,800-kilometre transmission line.

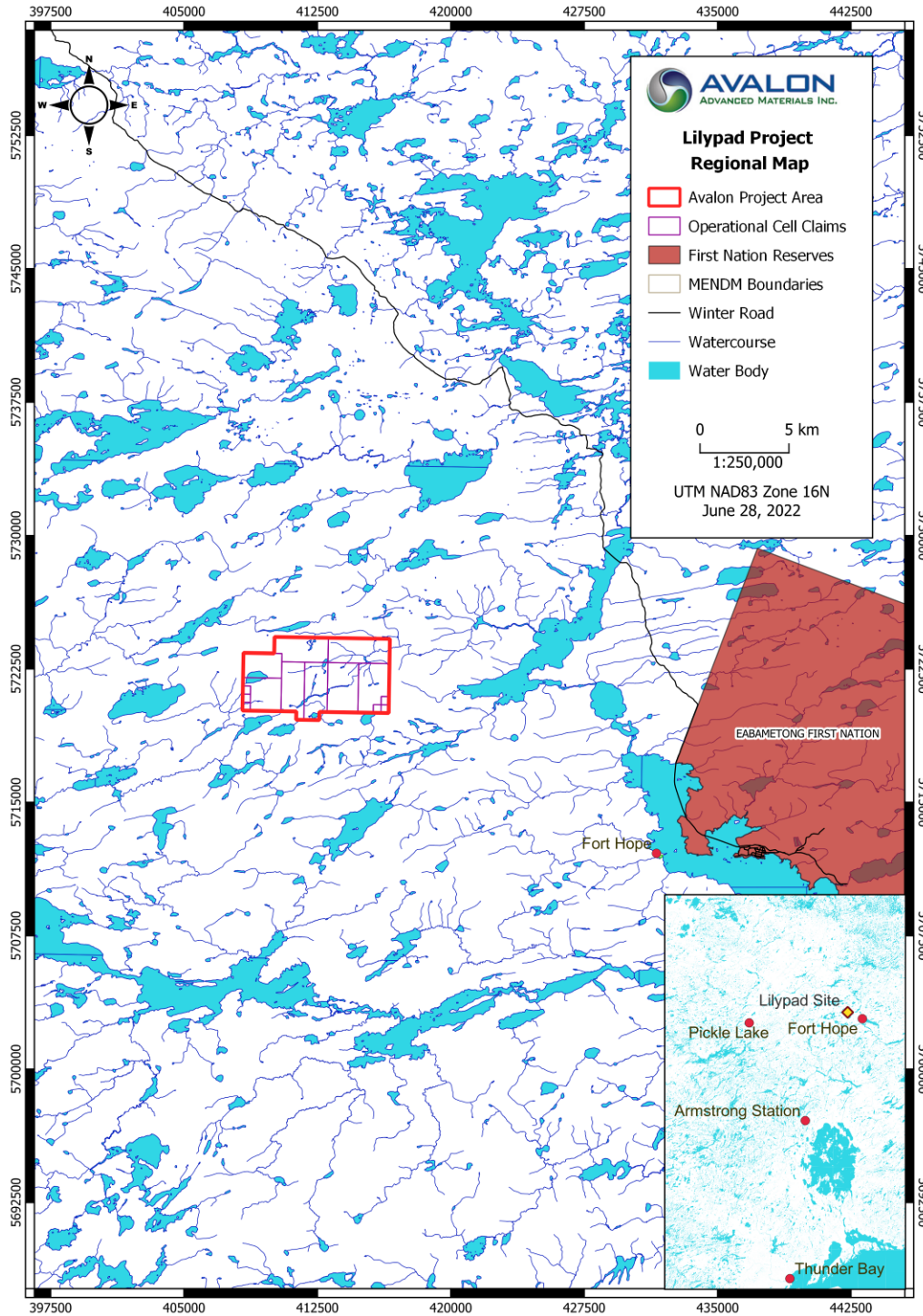


Figure 1: General Location and Access

Avalon has 14 mineral claims at Lilypad Project totalling 166 units covering about 3,330 hectares.

Table 6: Lilypad Project Claims

Tenure ID	Tenure Type	Anniversary Date	Tenure Status	Units	Hectares
104197	Boundary Cell Mining Claim	2022-10-06	Active	1	20
114224	Single Cell Mining Claim	2023-01-27	Active	1	20
147306	Single Cell Mining Claim	2023-01-27	Active	1	20
160329	Boundary Cell Mining Claim	2022-10-06	Active	1	20
215139	Boundary Cell Mining Claim	2022-10-06	Active	1	20
215489	Single Cell Mining Claim	2023-01-27	Active	1	20
525243	Multi-cell Mining Claim	2022-10-06	Active	17	341
525244	Multi-cell Mining Claim	2022-10-06	Active	15	301
525245	Multi-cell Mining Claim	2023-01-27	Active	19	381
525246	Multi-cell Mining Claim	2023-01-27	Active	20	401
525247	Multi-cell Mining Claim	2023-01-27	Active	24	481
525248	Multi-cell Mining Claim	2023-01-27	Active	21	421
525249	Multi-cell Mining Claim	2023-03-27	Active	24	481
525250	Multi-cell Mining Claim	2023-03-27	Active	20	401
			TOTAL	166	3,329

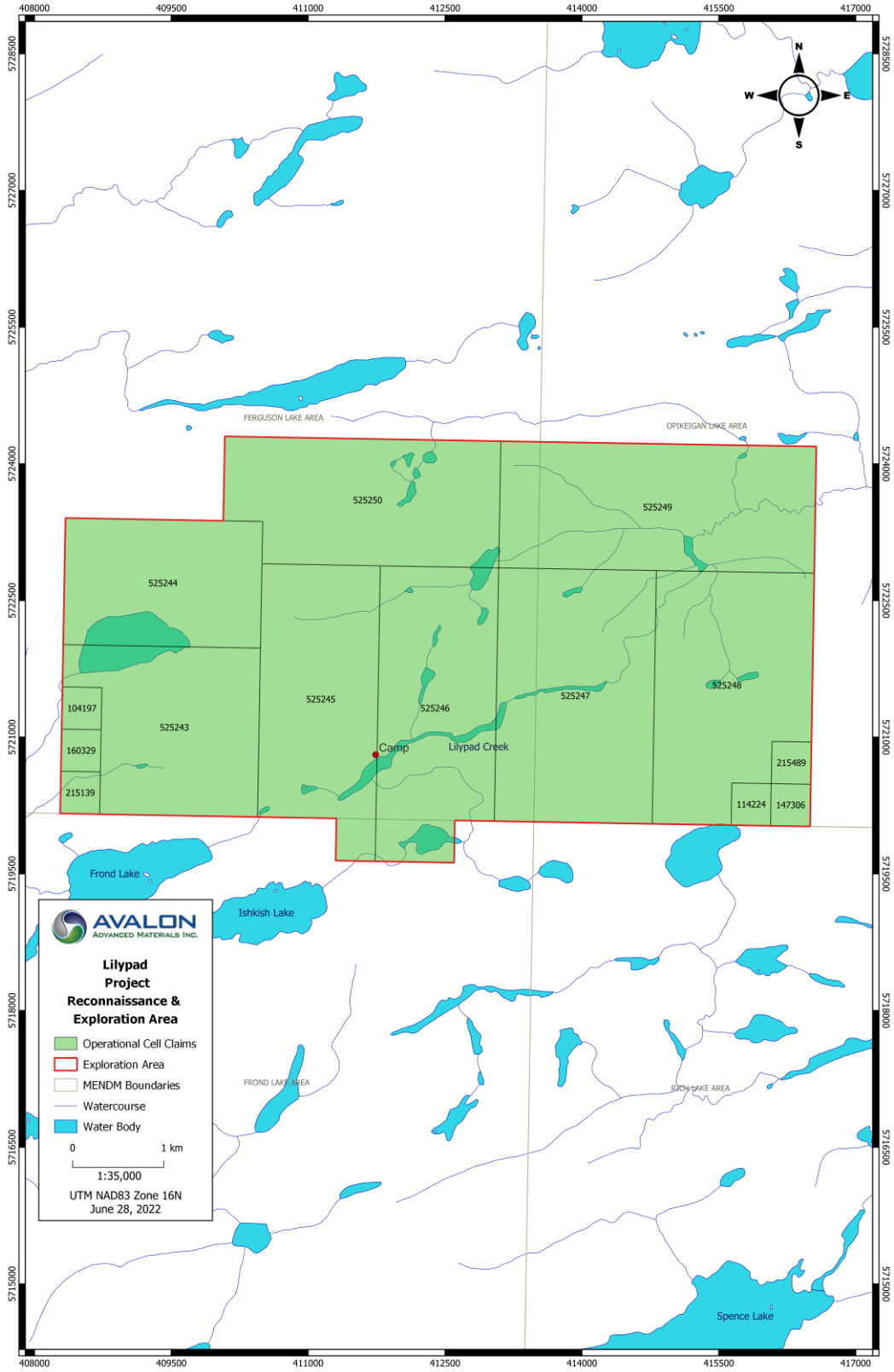


Figure 2: Avalon Claims

HISTORY

Rees (2001) has given considerable detail regarding the historic work in the area and this section has considerable material from that publication indicated by italics when a direct quotation.

Early geological reconnaissance was first carried out by Bell of the Geological Survey of Canada in 1872. This was followed by mapping by Burwash in 1929 and Prest in 1942, both of the Ontario Department of Mines (ODM). Thurston and Carter carried out reconnaissance mapping in the area in 1970 as part of Operation Fort Hope. Wallace (1978) of the Ontario Geological Survey completed the first detailed geology map that includes specifically the Lilypad Lakes pegmatite occurrences.

There have been a number of Ontario government publications in the period 2004 to 2009 including:

- 2004 Open file 6145 section 8 by L.A.F. Hall describing the geology, including the pegmatites, of the Opikeigen Lake area in the Summary of Field Work and Other Activities, OGS, 2004.
- 2004 Open file 6145 section 11 by Breaks and Tindle describing the geology of the pegmatites of the “Fort Hope Field” (the area referred to by Avalon as the Lilypad project) in the Summary of Field Work and Other Activities, OGS, 2004.
- 2008 Open File 6224 “Reference Specimen Collection of Rare Element Pegmatites, Granitic Rocks and Migmatites from the Superior Province. This includes a few pictures and brief description of government samples from the Lilypad pegmatites.
- 2009 Open File 3611 a geological compilation map that brings together all the historic mapping of the Miminiska Lake – Fort Hope area at 1:250,000. This includes the complete area of the Avalon property.

As Rees (op. cit.) covers industry work in considerable detail, it will be very abbreviated here from that text. The earliest work mentioned is Standard Lithium in 1956, which completed drilling and trenching on the Spodumene and Lepidolite Dykes. This was followed by drilling by R.J. Campbell in 1962.

From 1979 to 1982 Tantalum Mining Corporation completed considerable exploration including litho geochemistry, geophysics (EM, magnetometer) and diamond drilling (52 holes for 5,367 metres) were apparently targeted on geochemical anomalies. It appears that the company only analysed for Ta and Sn and not for Cs, Rb or Li. Tantalum Corporation allowed the claims to lapse.

In 1987 to 1988 Gold Fields Canadian Mining Ltd restaked the area and explored for gold using geochemistry and analyses for Au and As. Gold Fields did no drilling.

Avalon staked the area in 1999 and did mineral exploration in 1999-2001. Data filed for assessment by Tanco and previous workers was compiled and followed by a preliminary sampling program in September 1999. Subsequently a grid was cut on the property.

A diamond drill program totalling 9 holes for 901m was carried out in March 2000. This program confirmed the continuity of high-grade Ta and Cs mineralization to depth in several of the known pegmatites, including a newly identified high-grade Cs zone at the Pollucite Dyke. In fall 2000, gravity surveying, bedrock lithogeochemical sampling, prospecting, and detailed geological mapping of pegmatite occurrences were completed. Several new pegmatite occurrences were discovered, including the high-grade JJ Dyke.

The field program was followed by 8 drill holes of 1094m in late 2000. The diamond drilling extended the vertical continuity of tantalum mineralization within the Rubellite, South, and Pollucite Dykes, and resulted in the development of an inferred geological resource of 250.000 tonnes grading 0.030% Ta₂O₅, at the Rubellite Dyke. All work completed by Avalon prior to the current program is documented in Pedersen (2000a, b, c), Morgan and Pedersen (2000) and Rees (2001). In the early work, as the focus was on tantalum potential, less attention was paid to the caesium and lithium mineralization potential.

REGIONAL GEOLOGY

The Lilypad property is located in the eastern part of the Uchi Subprovince, a 600km long east trending terrane of the Superior Province, composed of interconnected greenstone belts and associated mafic to felsic granitoid suites (Hollings & Kerrich, 2006; Hall, 2004). The Uchi Subprovince is spatially constrained in the north by the plutonic Berens River Subprovince and in the south by the metasediment dominated English River Subprovince (Corfu & Stott, 1996). Between 3 Ga² and 2.7 Ga multiple episodes of volcanic activity linked to rifting, arc-magmatism, thrust sedimentation and incremental accretion of new crust to the Uchi-Sachigo microcontinent occurred, terminating in the collision of the latter with the Winnipeg River-Wabigoon terrane during the Kenora orogeny at 2705 ± 3 Ma (Easton, 2000). The metamorphic grade of the belt is low pressure greenschist to amphibolite facies (Easton, 2000).

The Lilypad pegmatites belong to the Fort Hope rare-element pegmatite field and are hosted in the Fort-Hope Miminiska greenstone belt (Černý and Meintzer, 1988; Hall, 2004).

² Ga refers to billions of years ago and Ma to millions of years

The predominant feature of the belt is a sequence of felsic to mafic intermediate metavolcanics, intercalated with assorted and derived peraluminous metasediments (Taylor, 2005). This complex sequence has been tightly folded into a 13 km wide east-west trending belt bounded by migmatized metasediments and paragneiss to the south, known as the Kawitos Lake Batholith and a circular composite granitoid pluton in the north, known as the Cluff Lake stock. Felsic porphyry dykes and sills intrude the supracrustal rocks across the property and have been interpreted to likely represent associated sub-volcanic intrusives (Taylor, 2005).

The Kawitos Lake batholith is composed of a peraluminous monzonite to granite stock intruded *lit par lit* into orthogneiss. Wallace (1978, 1981) reports abundant pegmatitic sequences containing muscovite, sillimanite, and staurolite. The Kawitos Lake Batholith is considered to be a possible parental source of the rare metal-enriched pegmatite dykes on the Lilypad property. It has been dated at 2685 ± 4 Ma (U/Pb, Davis & Sutcliffe, 2017) and 2698 ± 8 Ma (U/Pb, Buse & Hamilton, 2012). The Cluff Lake stock is composed of hornblende-biotite granodiorite and tonalite-monzonite.

PROPERTY GEOLOGY

Country Rocks

The Lilypad pegmatites are predominately underlain by an east-west trending mafic to felsic metavolcanic sequence. The metavolcanics consist of amphibolite of basaltic to andesitic composition and are characterized in the field by massive to pillowed flows, which are locally closely associated with enclaves of Algoma-type iron formations. Tuffaceous felsic volcanics of rhyodacitic to rhyolitic compositions are interlayered with the mafic volcanics (Wallace, 1978). Subvolcanic intrusions of quartz-feldspar porphyry sills and dykes concordantly intruded the metavolcanic sequences (Taylor, 2005). The northern and southern margins of the belt are delineated by migmatized metasediments comprised of sandstones, siltstones, greywacke and polymictic paraconglomerate (Wallace, 1978).

The geology of the Lilypad property is structurally complex, as indicated by the development of strong foliations, local schistosity, major and minor folds, and late-stage brittle faults. The east-west volcanic stratigraphy was deformed as part of a larger-scale east-west trending folding episode (Wallace, 1978, *op. cit.*). Disjointed and laterally discontinuous iron formation horizons, as well as the development of small-scale pinch-and-swell structures (boudins) indicate that the rocks were subjected to east-west extensional deformation.

At least three north-south trending transverse faults pass through the Lilypad property, two of which extend into the Kawitos Lake Batholith to the south. Assuming that these faults represent syn-intrusive structures, they may have played a role in the migration of volatile-rich residual melts from the Kawitos Lake Batholith and subsequent pegmatite emplacement (Rees, 2001). Locally Z-, S- or M-shaped tight isoclinal folds can be observed in the pegmatites and host rocks and sinistral offset is common.

The rock package of the belt has been subject to almandine amphibolite facies metamorphism, with locally occurring retrograde greenschist facies (Wallace, 1978).

Pegmatites

The discovered pegmatites so far at Lilypad extend over an area of approximately 2 x 6km. Individual dykes range from a few cm to up to several tens of metres width and can be locally traced up to 750m along strike. The steep dipping dykes show a general trend of 240°-270°, with a few exceptions (i.e., Rubellite Dyke and South Dyke). *The main portions of these dykes trend approximately north-south, crosscutting the host stratigraphy at high angles. Diamond drilling indicates that the dykes are continuous to depth, with little change in morphology or mineralogy* (Rees, 2001). Breaks and Tindle (2004) identified four different types of pegmatites at Lilypad, based on the classification scheme of Cerny (1991): albite spodumene; complex spodumene; complex elbaite; and albite. All of the pegmatites exhibit a high degree of fractionation and are considered some of the most evolved rocks in North America, due to the occurrence of pollucite, a rare cesium mineral and rubellite, an elbaite tourmaline mineral (Breaks & Tindle, 2004).

FALL 2020 SURFACE PROGRAM

Two days, from October 1-2, were spent on site, collecting rock samples, two mini-bulk samples, and examining and collecting historic pegmatite drill core. Access to the site and the pegmatite occurrences was by helicopter, from O’Sullivan’s Rainbow Lodge north of Nakina. Personnel for the field program were JC Pedersen (field supervisor), Sarah Bodeving, and Richard Brett. The program was supervised from Toronto by Bill Mercer (VP, Operations).

Discussion

The historic exploration camp was visited on the first field day in order to determine the condition of the historic drill core stored at site, and to assess the general state of the remains of the camp.

Tents and equipment have been removed from the site, with wooden tent frames partially standing to completely collapsed. Several bins containing scrap metal and drill parts were documented adjacent to the historic disposal pit on the west side of camp.

Core racks have collapsed (Figure 3), but with core boxes generally intact in telescoped positions. Some core boxes are decomposing, and numerous boxes of core may not be salvageable. Several cross-stacked columns of core boxes contain only country rock, with little or no pegmatite. In the telescoped core racks, only two intersections of pegmatite remain, one each from the Pollucite and Rubellite Dykes. Only the Rubellite Dyke core was sampled, as it was the most accessible, and labelled for proper identification. Twenty-two (22) core samples were collected for both thin section, microprobe, and geochemical analyses.



Figure 3: Collapsed Core Racks and Sampling Pegmatite

Of the three pegmatites visited, only the Spodumene Dyke was not sampled. A traverse from the historic exploration camp to the dyke located the pegmatite outcrops, but not the historic trenches. The smooth whale-back outcrops did not allow for easy sampling, and without locating the historic trenches, no sampling was performed.

Pollucite Dyke

The Pollucite Dyke is a complex-type, albite-spodumene-lepidolite sub-type rare-element class pegmatite. Previous drilling has produced an historic resource estimate of 340,000 tonnes grading 2.294% Cs_2O and 0.037% Ta_2O_5 (this resources estimate has not been assessed by a Qualified Person and was not completed under NI 43-101 conditions). The pegmatite is open along strike and to depth.



The Pollucite Dyke was sampled in the 2020 program from an historic trench (Figs. 4,5,6) on the main outcropping of the dyke. The trench is centred on NAD 27 411597E 5722554W.

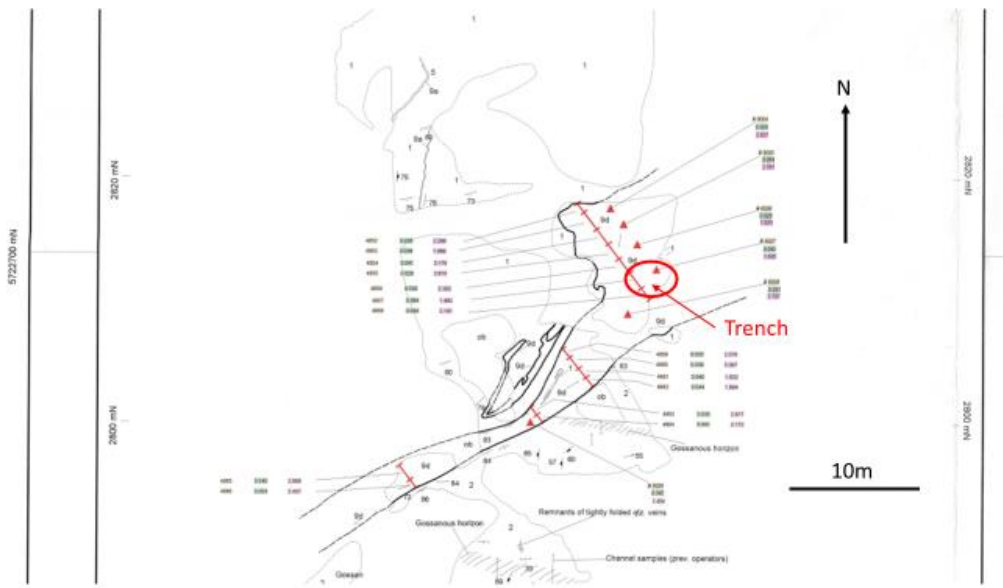


Figure 5: Copy of Historic Map of Pollucite Dyke with Trench Location (Rees, 2001)

A total of 247 kgs of sample was collected from the trench in hand-sized pieces. This “mini bulk sample” was collected for analytical verification of Cs grades and for preliminary metallurgical testwork for concentrating pollucite.

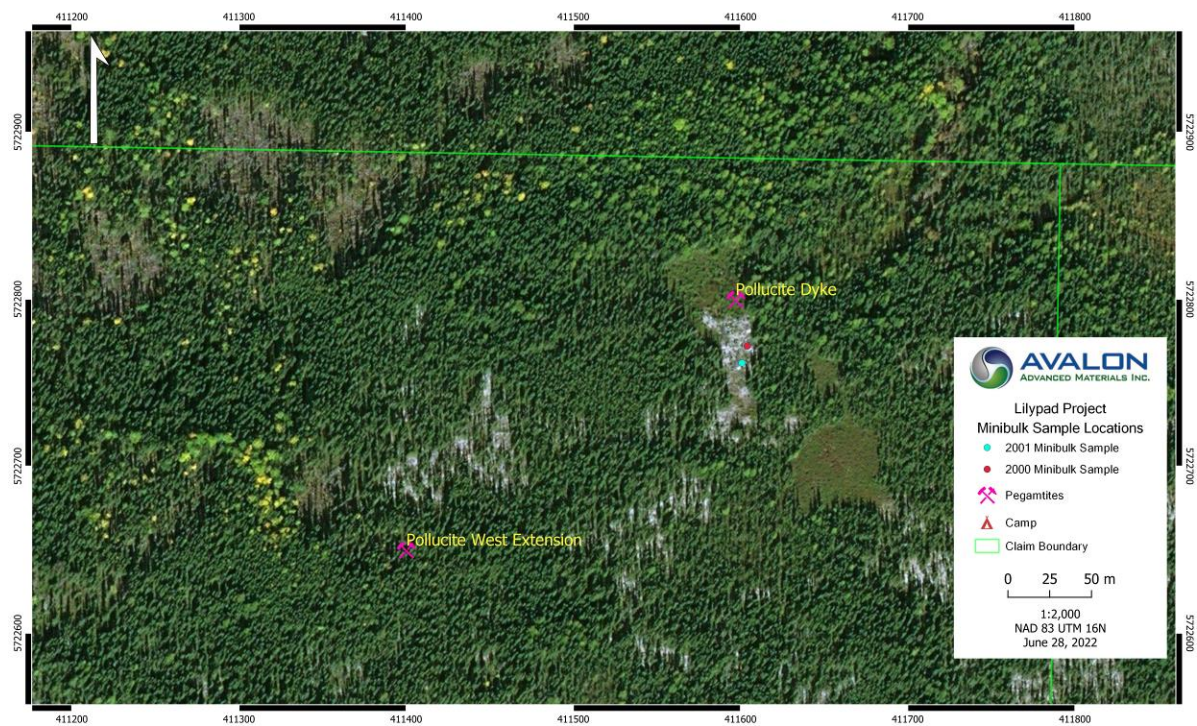


Figure 6: Location of Minibulk Samples 2020 and 2021:

The samples, in rice bags, were flown by helicopter from site to the base at O’Sullivan’s Lodge, and from there transported by truck to a secure storage facility in Kenora.

Rubellite Dyke

The Rubellite Dyke is located 2.5 kms east of the Pollucite Dyke. The dyke is centred at NAD 27 414085E 5722375N. Two historic trenches were sampled in the current program (Figure 8), one on the north outcrop and one on the south outcrop:

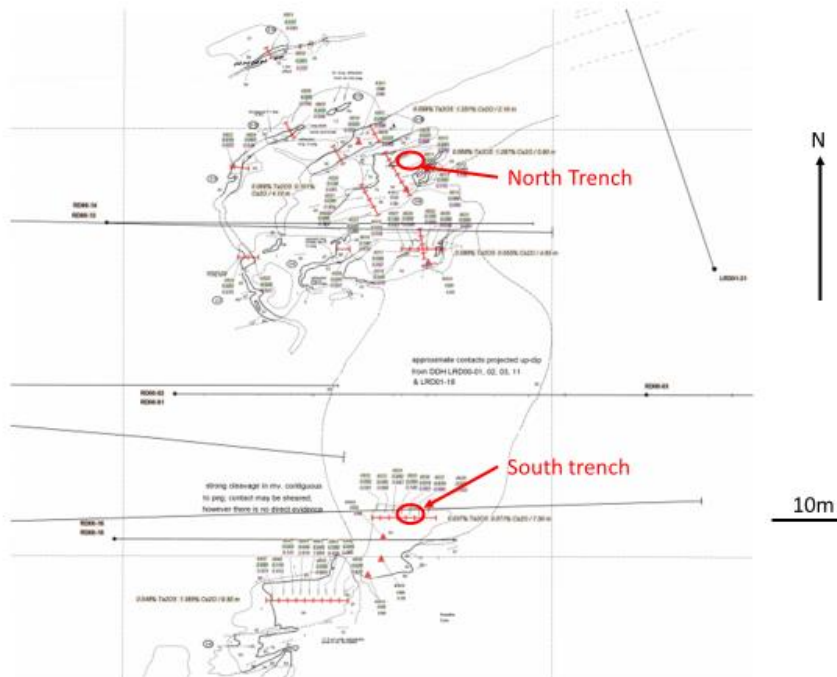


Figure 7: Copy of Historic Map of Rubellite Dyke with Trench Location (Rees 2001)

The Rubellite Dyke (Figure 9,10) is open to depth at 250m and contains both Cs, Li and Ta enrichment. Tantalum analyses up to 0.10% Ta₂O₅ have been historically documented. Pollucite also occurs in enriched zones throughout the pegmatite; historic surface channel samples from the north and south outcrops grade 1.287% Cs₂O/5.8m and 1.385% Cs₂O/9.5m respectively.



Figure 8: Rubellite Dyke Looking toward North



Figure 9: Rubellite Dyke, N and S Outcrops

The North Trench (Figure 10) is centred at NAD27 414094E 5722408N. A 50kg sample was collected from this trench for future analytical and metallurgical testing. Samples were collected by hand and averaged from hand-sized to 20cm in diameter.

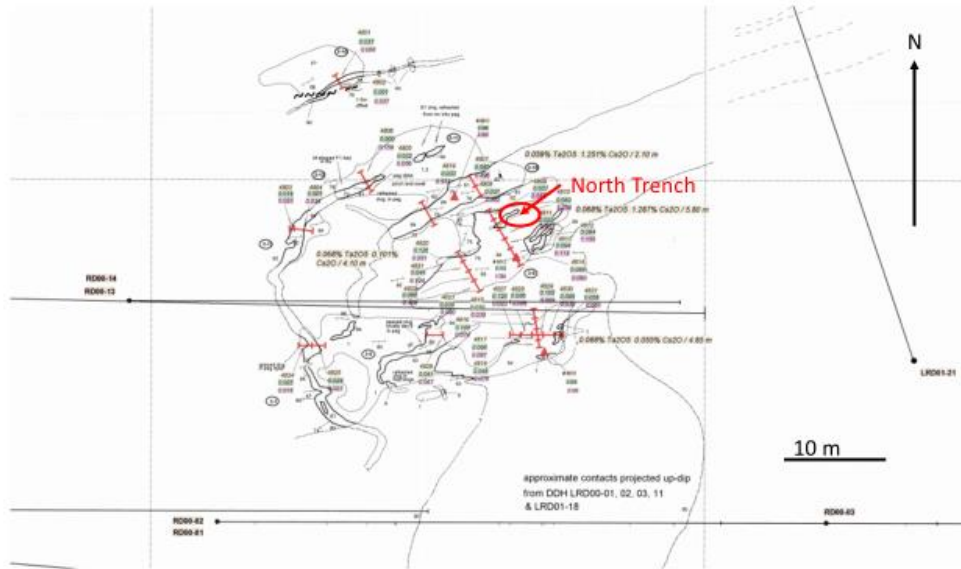


Figure 10: Copy of Detail of Historic Map of Rubellite Dyke North Outcrop and Trench (Rees, 2001)

The South Trench (Figure 12) is centred at NAD27 414081E 5722364N. A 50kg sample was also collected from this trench for future analytical and metallurgical testing. Samples were collected by hand and averaged from hand-sized to 20cm in diameter.

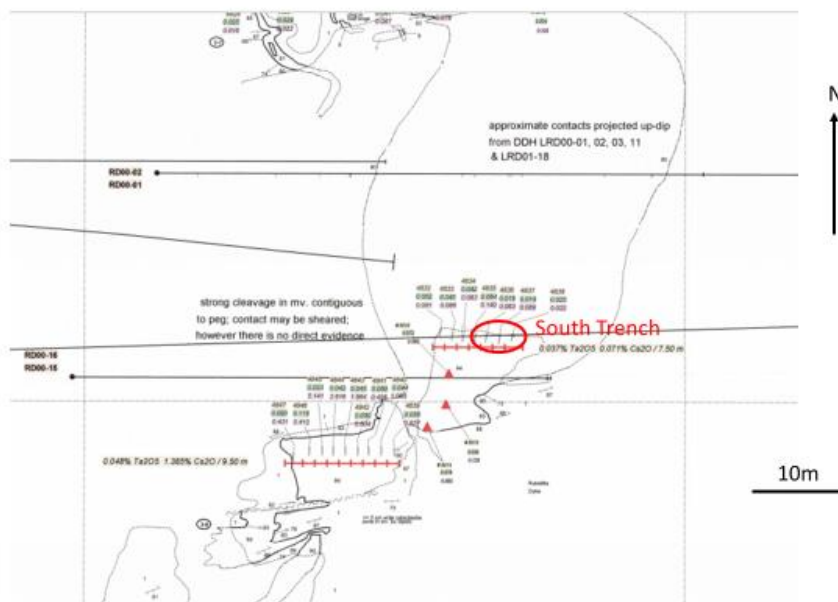


Figure 11: Copy of Detail of Historic Map of Rubellite Dyke South Trench (Rees, 2001)

Samples, in rice bags, from both trenches were flown to the base at O'Sullivan's Lodge along with Pollucite Dyke samples. From there they were trucked to East Selkirk, Manitoba, where they are in secure storage pending testwork requirements.

SUMMER 2021 SURFACE PROGRAM

The summer 2021 Lilypad program ran from June 21st to July 9th and from July 26th to August 8th. An additional flight was completed August 15th to ensure the camp was correctly closed and to remove the last load of equipment. The field program consisted of building a base camp, collecting biogeochemistry, water and soil samples, an additional mini bulk sample from the Pollucite Dyke, prospecting, lithogeochemical sampling and other geological work.

Material left at the camp from historic exploration was cleaned up. This comprised wood that could be disposed of at site and metal drill parts in drums. All the metal garbage was flown out and disposed of appropriately at the Armstrong Station Landfill Facility about 6 kms east of the community of Armstrong Station. It was estimated by the air charter company that the total weight of material flown out was around 1 tonne.

Personnel for the field program were Sarah Bodeving (senior geologist,) Richard Brett (camp manager, sampling crew, prospector), Ragi Ramesh (junior geologist), Barbara Dupuis (cook), Pius Legarde (line cutter/sampling crew), Bill Spade (line cutter), Kirk Kokokons (line cutter/sampling crew), Kelvin Kwadibens (line cutter/sampling crew), Tyrese Whitehead (sampling crew), Josh Shapwaykeesic (line cutter/sampling crew), Conway Nodin (line cutter), Andrew Waboose (manual labour). Some workers were employees and some on contract including those for the line cutting. Indigenous workers comprised 75% of those on site over the complete program.

Access to the camp was by float plane with NDK Air based in Armstrong Station, Ontario. Initially lumber and other materials were flown in by float plane with NDK Air from Pickle Lake and Armstrong Station, Ontario. Subsequent supply and mobilization were via Armstrong Station. NDK Air also provided excellent expediting and other services out of Thunder Bay.

The field work was carried out mainly on foot except for some remote access by aircraft. Access to the eastern part of the claims was assisted by canoe or a small motor-powered boat on Lilypad Creek.

Camp Establishment

There was no usable camp remaining from previous work. As a result, a new camp was established suitable for a crew of about five to ten people (Figure 12). The main work incurred was:

- Building a new dock on Lilypad Lake suitable for float plane access
- Erecting four canvas tents on plywood floors as well as two toilets and a shower
- Clear cutting a helicopter landing pad
- Provision of satellite communications for regular and emergency use
- Removal of waste materials from historic exploration activities
- Flying in of core racks and core boxes

The camp's water supply was mainly provided by Lilypad Lake. In order to guarantee the safety of the water, a MP4U Gravity Water Filter from Rainfresh Water Filters was used. Samples of the purified water were taken at regular intervals and sent to the ALS laboratory in Thunder Bay for E. coli testing.

A water purifying system was installed in the Lilypad project camp in order to provide safe water for drinking. The work period in the summer had numerous long days with high temperatures day and night so safe water was essential for the crew. The water purifying system was a supplement to water flown into the camp sourced in large bottles from grocery stores and large containers from a domestic water well in Armstrong Station.

The equipment used in the camp was a Rainfresh Gravity Water Filter System MP4U. This comprises a plastic double bucket system with a filter system that is rated to remove E. coli which are 0.5 by 2 μ and so is also assumed to remove giardia which are 7 by 15 μ . It can process 25 litres in 8 hours (2.9 litres/hour). A program of analysis of the lake water provided to the purifier and the water exiting the purifier was implemented in order to monitor the performance of the purifier. The point about the size of giardia and E. coli is important because E. coli analyses were available but not giardia analyses so it could be proven whether E. coli are removed but not giardia.

Five test sequences were completed with each test during the periodic cleaning of the filter system. The usual method was to collect two samples of lake water prior to introduction to the filter and then two filtered samples. Some checks were included with Armstrong well water and bottled water from the grocery store. The water samples were analysed in the ALS Environmental Laboratory in Thunder Bay which laboratory also provided the specific required sample bottles and instructions.

The results are summarized in Table 7 below. The analyses demonstrated that the filter removed the E. coli and fecal coliforms from the lake water, in both cases to zero measurement. There were two anomalies in Total Coliforms which bias the mean to 484. Without those biased samples the mean total coliforms would be 0.25, or 2000 times lower and lower than the well water. The two high total coliform analyses, higher than the lake

water starting point, could be contamination introduced during the filter cleaning process or a lab error, but there is no way to confirm either possibility. (NOTE: MPN is Most Probable Number and is the count of, for example, bacteria for the purposes of human health). Total Coliforms excluding e coli are unlikely to cause human health problems.

Table 7: Biological Analyses of Lake and Filter Water, Lilypad Camp, 2021 (MPN/100 ml)

MPN/100mL or CFU/ml (HPC)	Number of analyses	Escherichia Coli	Fecal coliforms	Total Coliforms #	Heterotrophic Plate Count
Armstrong well water	2	0	0	6	300
Filtered Water	10	0	0	484	300
Lake Water	8	9	5	419	155
Average of all samples	20	4	2	410	245
# Average for filtered water affected by two very high analyses (2420)					
Average = 0.25 without these two analyses					

It was concluded from the testwork that the Rainfresh filter provided water at the camp safe for drinking and other purposes. Note that the filter system would not change the colour of water, so if it was, for example, brown due to dissolved chemicals or elements, that would not change. These observations are in complete agreement with information provided by the manufacturer and CSA Group certification. CSA and manufacturer data indicates total removal of E. coli, typhoid bacteria, cholera bacteria, dysentery bacteria, pneumonia/meningitis bacteria and giardia.



Figure 12: Camp at Lilypad Lake 411757E 5720771N (NAD83)

Line Cutting

Line cutting was carried out by a contractor over a duration of 16 days for a total length of 10.215km (Figure 13). Two North-South and two East-West trending lines were cut to be used as baselines for soil and biochemical sampling lines. Additionally, a trail for easier access to the northern pegmatite showings was cut and flagged. One to two crews, at various times, of 2-3 people worked on the line cutting, using a chainsaw, ax, chain, compass and GPS. The approximately 1.5m wide lines were picketed and flagged at 25m intervals.

Table 8: Line Cutting Details

		Easting	Northing	Length
Line 1	North end	411600	5723000	2,168m
Line 1	South end	411600	5720832	
Line 2	North end	413200	5723000	1,600m
Line 2	South end	413200	5721400	
Line 3	West end	411600	5722700	2,500m
Line 3	East end	414100	5722700	
Line 4	West end	409520	5721200	2,247m
Line 4	East end	411767	5721200	
			Total	8,515m
Trail				1,700m
			Overall total	10,215m

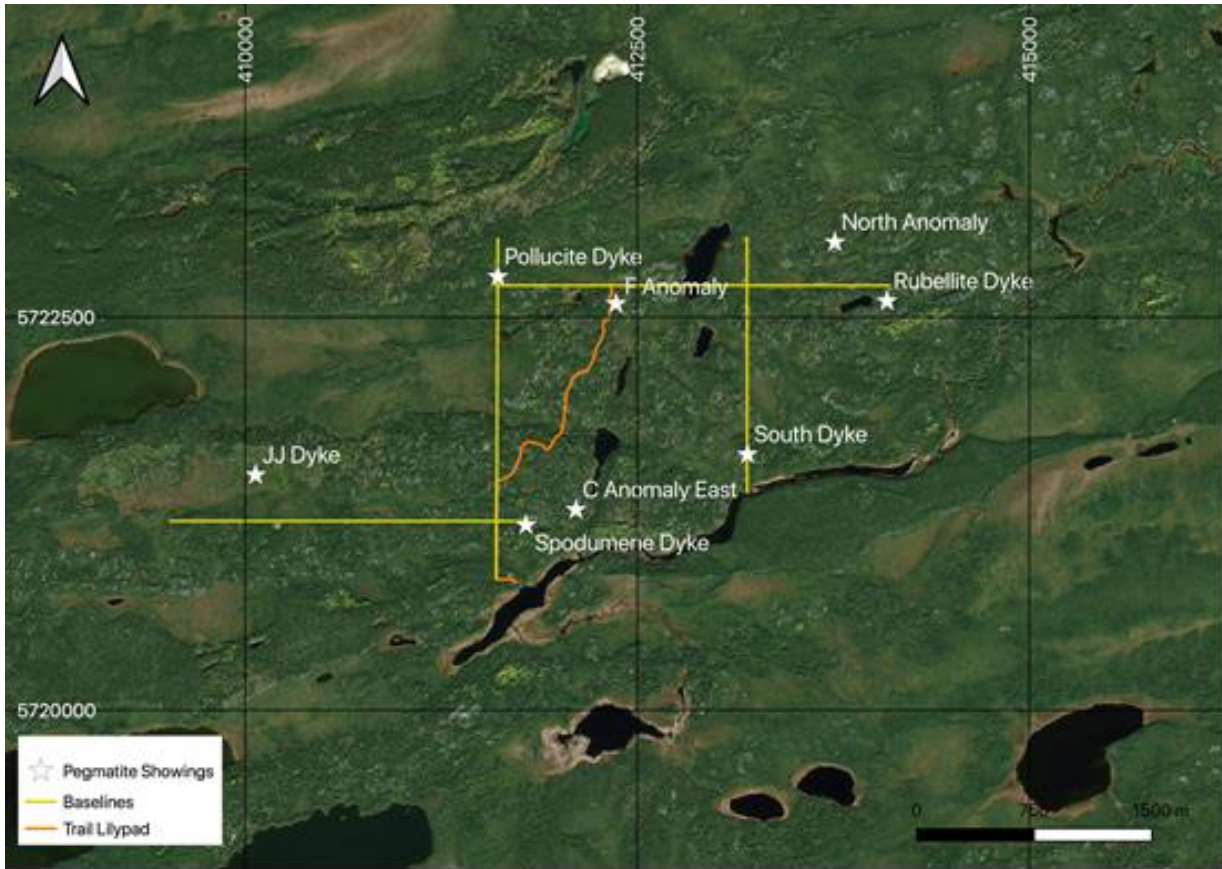


Figure 13: Line Cutting and Trails completed 2021

Geological Work and Lithogeochemistry

Description of Pegmatite Occurrences and Sampling

Most of the known pegmatite occurrences on the Lilypad claims were identified and extensively mapped during the 2000-2001 geological mapping and sampling program.

During the summer 2021 program, six pegmatite occurrences were revisited (E Anomaly/Pollucite Dyke, Rubellite Dyke, Baseline Dyke, Opie Dyke, Spodumene Dyke and F Anomaly) on eight days in order to review the geological maps produced during the 2001 mapping program, to identify the location of historic drill collars by GPS, to sample potentially pollucite-bearing zones and to prospect beyond the currently known pegmatite occurrences.

The following sections discuss each of the Lilypad pegmatite occurrences that were investigated during the 2021 surface program. Additional information with detailed

descriptions and maps regarding the occurrences can be found in previous reports by Morgan and Pedersen (2000), Pedersen (2000a, b) and Rees (2001).

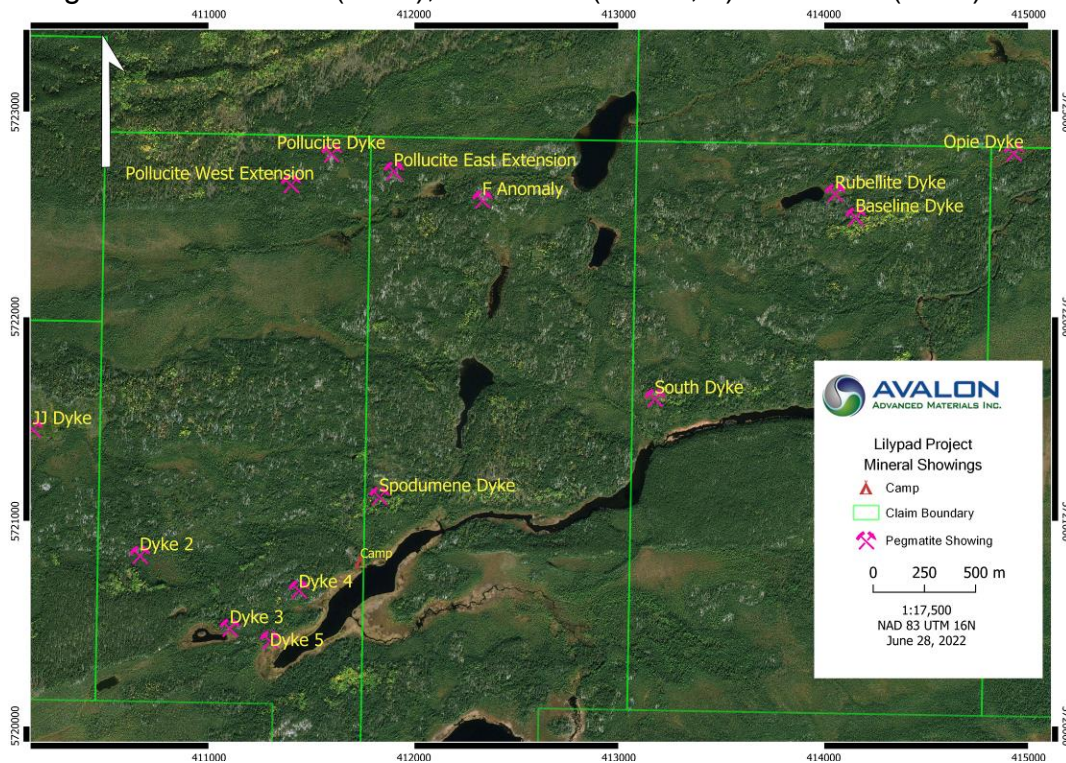


Figure 14: Location of Pegmatite Deposits and Occurrences

E Anomaly / Pollucite Dyke

The E Anomaly/Pollucite Dyke pegmatite zone consists of a series of boudinaged, disjuncted or folded dykes cropping out over a strike length of roughly 500m in the northern part of the claim group. The pegmatites can be subdivided into a southwestern extension, a main showing and an eastern extension.

The main showing (Pollucite Dyke) is composed of a thickened S-folded hinge and consists of a 1.5 to 13m wide and roughly 30m long outcrop entering overburden on either end. It has been previously channel sampled and a blast trench was done on the eastern end of the main dyke. The intrusive contacts with the host rock are characterized by a sharp lithological change generally accompanied by a black or blue coloured metasomatic alteration halo bleeding into the exocontact. Mineralogically the main mass appears unzoned. Intensive hydrothermal overprint eradicated most of the primary textures, creating a schlieren-flaser texture mostly visible by elongated ribbon quartz pods rimmed by anastomosing stringers of white pollucite and purple lepidolite (Figure 16). Pollucite additionally occurs as monomineralic anhedral masses in a matrix of white saccharoidal albite. Blades of white angular spodumene are common. Rubellite occurs sporadically.

The southwestern extension of the Pollucite Dyke is characterized by a swarm of dykes ranging from a few cm to up to 3m thickness and variable mineralogy. The swarm can be traced for about 200m, before it disappears underneath the esker and heavy blow down.

The last exposure of the pegmatite swarm at UTM 0411406E 5722666N consists of four dykes trending 11, 12 and 40 strike with a subvertical dip. One of the dykes shows a 20cm slip fault move to the west (disjointed and displaced), visible by the displaced dark tourmaline contact zone and the lack of alteration along fault contact (Figure 15). Mineralogically, the last exposure outcrop is also of importance as pollucite, rubellite and lepidolite are clearly present, while the thinner albitite dykes of the swarm macroscopically do not contain rubellite or lepidolite. A very pronounced flaser texture is visible by quartz ridges occurring almost perpendicular to the contact subparallel to the regional foliation (Figure 15). Heavily metasomatized mafic enclaves with drawn out flame texture are sporadically present (Figure 16). One composite sample composed of pieces from two dykes and chips from a channel was taken at this location.

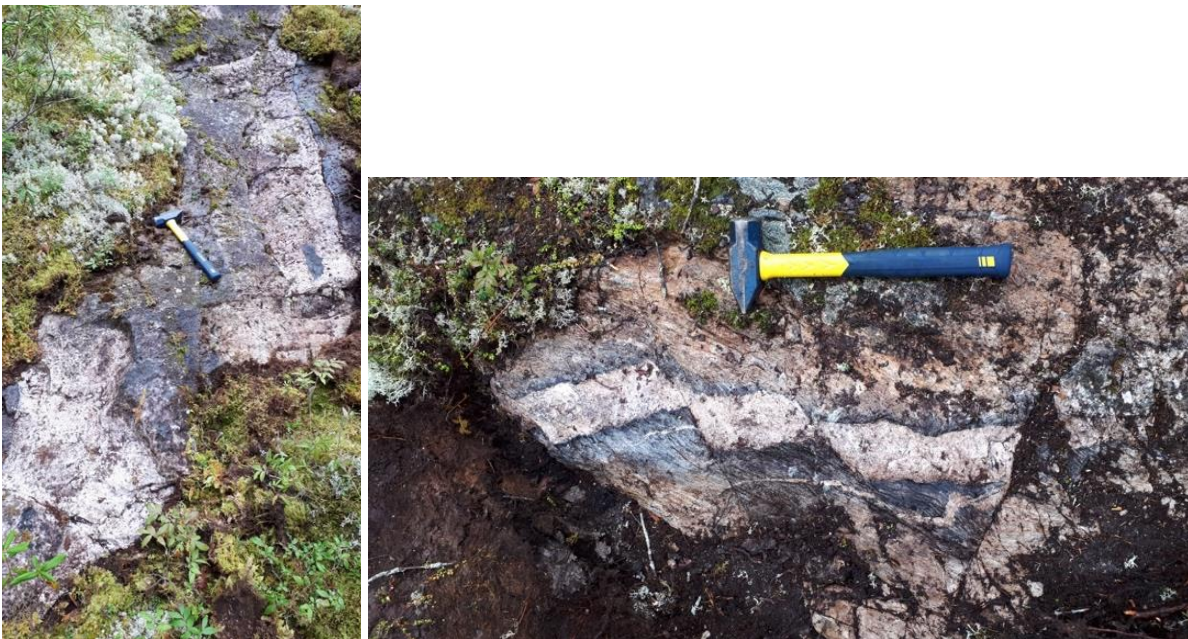


Figure 15: 20 cm displacement visible in last dyke exposure. Disjointed albitite dyke. Note metasomatic alteration composed of black tourmaline in exocontact.



Figure 16: Saccharoidal white albitite dyke with ribbon elongate quartz, crosscut by white and purple veinlets of pollucite and lepidolite.



Figure 17: Rubellite laths in Pegmatite Dyke



Figure 18: Heavily metasomatized mafic enclave with flame structure in pegmatite

About 25m after the last in situ outcrop exposure (UTM 0411383E 5722651N) of the Pollucite Dyke a large “boulder” of pegmatite in contact with host rock was found in the ground underneath a toppled tree in the esker. The contact remains intact and the rock is

angular, suggesting it has not been transported very far (Figure 19). The rock consists of white pollucite, albite, quartz, purple lepidolite stringers, prisms of pink rubellite and drawn out ribbony quartz. A grab sample was taken. Prospecting was conducted on strike and the surroundings for several hundred metres after the last in situ exposure, but no further pegmatite was discovered.



Figure 19: Contact between pegmatite and host rock - considered not "in situ" (left). Contains rubellite, pollucite and lepidolite (right)

The eastern extension of the Pollucite Dyke consists of a swarm of albitic pegmatite dykes ranging in size from a few cm to a thicker dyke showing of a few metres (Figure 18). These dykes do not show macroscopically recognizable pollucite and are mainly composed of quartz and albite. The contact with the host rock is sharp and crosscuts the foliation at a steep angle. Tourmalinization borders are thick in the exocontact. Locally tourmaline crystals grow into the endocontact. The dykes exhibit a "wiggly" curved shape and seem to be trending mostly between 200° and 240° however do get deflected into other directions. A composite grab sample composed of several pieces from three individual smaller albitic dykes was collected at UTM 0411698E 5722578N.

At UTM 0411902E 5722715N a dyke of 1.5m thickness was encountered cropping out along the edge of an amphibolite cliff. This dyke may potentially contain pollucite and exhibits the typical "flaser texture" observed at the main Pollucite Dyke showing and seems to be less albitic than most other dykes in the eastern extension. A surface grab sample (Sample 718516) was taken, visually considered to contain albitite, fluorite, lepidolite and potentially pollucite. However on analysis it showed slightly anomalous Cs (250ppm) and Rb (1495ppm) but insignificant Ta and Li.

Generally, the eastern extension pegmatite zone consists of albitic dykes showcasing a lack of lepidolite, pollucite or rubellite, whereas the southwestern extension exhibits a mineralogy similar to the main pegmatite mass at the Pollucite Dyke.



Figure 20: Parallel albitite dykes in eastern extension zone

The location of eight historic drill sites representing twelve drill holes was recorded by GPS and compared to old maps from the 2000-2001 programs. The tables below give the field data from 2021 and a comparison to the data in the Avalon digital drill database. The drill database is in NAD27 and the 2021 surveying was in NAD83. In the second table the NAD83 (2021) coordinates are converted to NAD27 using the Canadian government online NAD83/27 converter. The resultant average difference in Easting is 5.7 metres and in Northing 1.1 metres, which are negligible errors on a percentage basis given the use of handheld GPS. As a result, it can be considered that the drill database has been validated.

Table 9: Drill Collar Survey Log 2021

E	N	Dip Angle	Dip Direction	Location	Notes	Matched up with:	GPS Model	UTM System
411646	5722761	42	338 (NNW)	Poll Dyke	2 casings	LPD01-23,24	Garmin inreach explorer +	NAD 83 Zone 16
411646	5722761	68	338 (NNW)	Poll Dyke	2 casings	LPD01-23,24	Garmin inreach explorer +	NAD 83 Zone 16
411678	5722678	69	317 (NW)	Poll Dyke		LPD01-22	Garmin inreach explorer +	NAD 83 Zone 16
411601	5722730	40	310 (NW)	Poll Dyke		LPD01-25,26	Garmin inreach explorer +	NAD 83 Zone 16
414018	5722606	70	78 (E)	Rub Dyke		RD00-11	Garmin inreach explorer +	NAD 83 Zone 16
414065	5722619	68	80 (E)	Rub Dyke	2 casings	RD00-14, 13	Garmin inreach explorer +	NAD 83 Zone 16
414065	5722619	48	80 (E)	Rub Dyke	2 casings	RD00-14, 13	Garmin inreach explorer +	NAD 83 Zone 16
414065	5722587	48	80 (E)	Rub Dyke		RD00-02, 01	Garmin inreach explorer +	NAD 83 Zone 16
414054	5722556	40	80 (E)	Rub Dyke		RD00-16, 15	Garmin inreach explorer +	NAD 83 Zone 16
414096	5722677	23	140 (SE)	Rub Dyke		Tanco hole?	Garmin inreach explorer +	NAD 83 Zone 16

Table 10: Comparison of UTM Coordinates from 2021 survey and Avalon Drill Database

Matched up with	Database DH No	NAD83 (2021)		NAD83 (2021) convert to NAD27		Drill Database		Metres difference		
		E	N	E	N	E	N	E	N	
LPD01-23,24	LRD01-23	411646	5722761	411643	5722543	411656	5722528	-13	15	
LPD01-23,24	LRD01-24	411646	5722761	411643	5722543	411656	5722528	-13	15	
LPD01-22	LRD01-22	411678	5722678	411675	5722460	411677	5722463	-2	-3	
LPD01-25,26	LRD01-25	411601	5722730	411598	5722512	411603	5722505	-5	7	
LPD01-25,26	LRD01-26	411601	5722730	411598	5722512	411603	5722505	-5	7	
RD00-11	LRD-11	414018	5722606	414015	5722388	414015	5722378	0	10	
RD00-14, 13	LRD-13	414065	5722619	414062	5722401	414064	5722400	-2	1	
RD00-14, 13	LRD-14	414065	5722619	414062	5722401	414064	5722400	-2	1	
RD00-02, 01	LRD01-01	414066	5722587	414063	5722369	414066	5722378	-3	-9	
RD00-02, 01	LRD01-02	414066	5722587	414063	5722369	414066	5722378	-3	-9	
RD00-16, 15	LRD01-15	414054	5722556	414051	5722338	414061	5722362	-10	-24	
RD00-16, 15	LRD01-16	414054	5722556	414051	5722338	414061	5722362	-10	-24	
								AVERAGE DIFFERENCE	- 5.7	- 1.1

Spodumene Dyke

The Spodumene Dyke showing is located at UTM 0411809E 5721127N, and consists of a series of approximately east-west trending dykes and stringers cropping out as pinch and swells over an area of 100m.

Previous programs noted that the Spodumene Dyke appears to have undergone greater deformation than the other pegmatites on the claims and exhibits a very different mineralogy than all the other pegmatite occurrences. Rees (2001) described two different mineralogical types of dykes: A more 'primary' granitic variety, characterized by salmon-pink K-feldspar and green spodumene crystals up to 20 centimetres long, along with lesser albite, grey quartz, minor green mica, and garnet. The second, more commonly seen phase appears to be a highly albitized version of the first. This variety also contains abundant green spodumene, but with white albite (cleavelandite) replacing the K-feldspar. Green mica appears to constitute a larger percentage of these dykes as compared to the 'primary' variety, whereas grey quartz is present in similar amounts. Garnet and blue apatite aggregates also occur more commonly, often in association with each other, although still in minor amounts. Small black to reddish-brown opaques, at least some of which are tantalum oxides, seem to be much more common in the albitized variety, occurring most frequently within the albitic ground mass and along crystal faces of the spodumene.

Detailed mineralogical observations across the strike of the dykes, shows that individual dykes contain both varieties. Commonly, a more albitic pinkish phase is found close to the contact with the host rock and then slowly grading into a coarser zone with cm size K-feldspar and coarse, but smaller sized seagreen spodumene. This is well observable in the main mass of the Spodumene Dyke outcrop. The contact is sharp, with a darker alteration halo of up to 10cm, with layers in the host rock changing between brown and black, with the black being composed of tourmaline. In certain contact locations, black euhedral tourmaline of 2-3mm size is also observed in the endocontact. The endocontact seems to have a 1cm rind of pure albite with no quartz present before grading into an albite zone with smaller grains of quartz. The quartz texture is oftentimes similar looking to the Pollucite dyke flaser – schlieren texture. Deformation is visible in the dykes in the form of rotated crystal cleavages. K-feldspar is commonly perfectly euhedral with up to 20cm size white crystals locally exhibiting graphic textures. Spodumene is present as euhedral prisms of up to 20cm size, often of a seagreen color and a distinctive cleavage (Figure 19). Generally, the center of the dykes is coarser grained and composed of K-feldspar and spodumene, coated with long stringers of interstitial grey, glassy quartz and milk white albite. In the albitized zones of the dykes, K-feldspar is replaced by albite.

Eight lithogeochemical surface grab samples were collected along strike representing both types of dyke varieties (Appendix 1). One sample originates from the historic blast trench at UTM 0411793E 5721153N and contains coarse spodumene rimmed with black/greenish mica, very coarse-grained K-feldspar, blue apatite, sporadic red garnet and black oxides in a quartz feldspar matrix. A second sample was collected at the main dyke exposure at UTM 0411809E 5721127N composed of saccharoidal albite with green mica. Five additional samples were taken on strike along boudins of the main pegmatite dyke cropping out along a ridge in a birch forest. They were mainly composed of white saccharoidal albite locally containing seagreen spodumene, green mica and salmon coloured K-feldspar. One sample was taken at an outcrop in the swamp (UTM 0411829E 5721151N) composed of coarse grained crystals of K-feldspar and spodumene coated with quartz in an albite and green mica matrix.

The historic drill collars at the Spodumene Dyke could not be located due to dense vegetation.



Figure 21: Seagreen spodumene coated by green mica in albite and quartz (left). 15 cm long spodumene rimmed by mica associated with pink K-spar (right)

Rubellite Dyke

The Rubellite Dyke pegmatite zone is located in the northwestern part of the Lilypad claim group and is composed of a series of steeply dipping exotic looking dykes exhibiting a variety of fold morphologies (S-, M- and Z-) and related pressure shadow zones (Barclay, 2001). The main Rubellite Dyke is exposed over a strike length of 115m averaging about 7m in width. It is separated into a northern and southern exposure divided by a 35m wide spruce bog (Rees, 2001). The intrusive contact with the mafic host rock is sharp and locally exhibits a black to blue 2-10cm thick metasomatic alteration zone composed of prisms of holmquistite and tourmaline. In the Northern exposure extremely coarse grained white spodumene occurs together with blocky black to salmon coloured K-feldspar and monomineralic pods of quartz (Figure 22). Laths of pink rubellite are hosted in a groundmass of white to bluish albite. Crosscutting stringers of purple lepidolite and a white phase (pollucite?) are common. Some zones have undergone intense alteration characterized by green clay replacement of spodumene. Late fractures are filled with beige/salmon coloured potential amblygonite and bavenite and pods of deep purple fluorite.

The Southern exposure is mineralogically similar to the Northern exposure, however exhibiting a higher concentration of rubellite and a less coarse-grained blocky texture. The up to several cm long rubellite blades occur subparallel to white laths of spodumene hosted in a matrix of saccharoidal albite (Figure 23).

Three surface grab samples were collected at the Southern exposure (UTM 0414080E 5722581N) for lithogeochemical analyses to identify the presence of pollucite.

The location of 6 historic drill collars was recorded by GPS and compared to old maps from the 2000-2001 programs (see Tables 9 and 10).



Figure 22: Northern exposure. Extremely Blocky spodumene and K-spar (left). Green clay altered spodumene and salmon coloured bavenite (right)



Figure 23: Southern Exposure. Subparallel laths of white spodumene and pink rubellite (left). Coarse white spodumene crystal in groundmass of albite cut by lepidolite and pollucite stringers. Pink rubellite blades and quartz visible. (right)

Baseline Dyke

The Baseline Dyke is located at UTM 0414155E 5722491N approximately 90 metres SSE of the Rubellite Dyke. Similar to the Southern limb of the Rubellite Dyke, the Baseline Dyke exhibits S-fold morphology. The dyke is hosted in andesitic tuff and is exposed over a length of 25m with a width of up to 4m. The dyke has a similar appearance to the Rubellite Dyke and Barclay (2001) interprets the Baseline Dyke to be a subparallel, en echelon-type dyke to the latter. Compositionally it is mainly comprised of centimetre sized prisms of pink rubellite, stringers of purple lepidolite and a white phase potentially composed of pollucite and creamy to dark grey feldspar hosted in a white matrix mainly comprised of saccharoidal albite and some quartz.

Two surface grab samples (718522, 718523) were taken at the Baseline Dyke at UTM 0414155E 5722491N and UTM 0414161E 5722539N. One sample contained rubellite and lepidolite, whereas the second sample represented a less fractionated zone of the outcrop with little to no rubellite or lepidolite. The analyses (Appendix 2) show that the samples are anomalous and worthy of further investigation.

Table 11: Analyses of Baseline Dyke Samples

Sample	Cs ₂ O	Rb ₂ O	Ta ₂ O ₅	Li ₂ O
	(%)			
718522	0.073	0.529	0.049	0.403
718523	0.538	0.556	0.055	0.357

Opie Dyke

The Opie Dyke, located at UTM 0414927E 5722804N, was first discovered during the 2001 program occurring to the east of the Rubellite Dyke. It represents the furthest known eastern extension of the pegmatite zone of Lilypad Lakes. The skinny pegmatite dyke is located in a dense swamp and crops out over a strike length of less than 10 metres trending 259° with a subvertical dip. The width varies between 10 and 35cm. The sharp contact with the host rock is exposed on both sides and shows a <5cm thick metasomatic dark/blueish halo most likely composed of holmquistite and potentially tourmaline. The endocontact is characterized by a white color and locally coarse pink rubellite crystals growing in fans nucleating from the pegmatite wall (Figure 21). Some zones of the albitic dyke are more quartz rich and accessory purple lepidolite is present. A lithogeochemical grab sample was taken at UTM 0414927E 5722804N composed mainly of albite and some lepidolite. No rubellite was present in the sample. No pollucite was macroscopically identified.

Southward of the Opie Dyke along the edge of the swamp an outcrop hosting a squiggly 20 to 30cm long quartz vein with green mica, is exposed in a cliff face. A surface grab sample was collected at UTM 0415106 5722773 (718524) and indicated anomalous Ta₂O₅ (0.14%), Rb₂O (0.86%) and Li₂O (0.27%).



Figure 24: Contact Zone of Opie Dyke. Pink rubellite nucleating at metasomatized contact zone

F Anomaly

The F Anomaly consists of a series of variably oriented pegmatites, located approximately 750m south-east of the E Anomaly/Pollucite Dyke. Mineralogically the pegmatite dykes are mostly similar to the Rubellite Dyke in as they contain a matrix of white saccharoidal albite, hosting several mm long pink rubellite crystals, prisms of white spodumene, stringers of purple lepidolite and green mica, quartz pods as well as coarser blocky K-feldspar. Some of the dykes have been previously described as similar to the E Anomaly/Pollucite Dyke containing pollucite. The dykes vary in orientation from northwest-southeast to east and west and are hosted in metasediments and QFP country rock. Two surface grab samples were collected for lithogeochemical analyses at UTM 0412334 5722574 and 0412282 5722471 (718520 and 718521 respectively). One sample consisted of chips from a previous channel cutting through an albitite dyke comprising quartz and green mica. The second sample is a grab sample from a less than 1m wide albite dyke with lepidolite and potentially pollucite and rubellite. Analyses (Appendix 2) showed high Ta₂O₅ (0.12% and 0.10%) but insignificant Cs and Li.

Prospecting

Prospecting was carried out by Richard Brett during two days in an area southwest of Lilypad camp targeting unexplained high lithogeochemistry anomalies from the 2000-2001 sampling programs. A total of 7 grab samples of pegmatitic rock were collected. At the anomalous target points discrete dykes of up to a few cm in width were identified hosting green mica, albite, quartz and locally disseminated cubic oxides and accessory blue apatite.

Further prospecting of one day was carried out by Sarah Bodeving to the east of the E Anomaly in an area with high Li, Cs and Rb anomalies discovered in the 2001 lithogeochemical sampling program. The area immediately west of a large lake is composed of large outcrops of mafic country rock. Two less than 20cm wide white dyklets were discovered parallel to the foliation of the host rock (UTM 0412787E 5722788N). They crop out over a distance of 15m. Mineralogically they seem to be composed mainly of white saccharoidal albite and some quartz. No lepidolite, rubellite or pollucite was detected. No sample was taken at this location due to the polished nature of the rock surface.

Description of Lithogeochemistry Sampling Methods

A total of 28 surface grab samples were collected of which a subset of 26 were sent to the ALS laboratory in Thunder Bay for whole rock assays. Where possible one half of the sample was kept for future analyses and petrographic work and was sent to McGill University in Montreal, Quebec. The samples were bagged together with a laboratory ID which was additionally marked on the sample bag. The samples were flown out in rice bags

from Lilypad camp to Armstrong Station by float plane and subsequently transported by truck to ALS labs in Thunder Bay. The size of the samples averaged 1kg. The aim was to identify the presence of potentially economic grades of specifically cesium, lithium and tantalum.

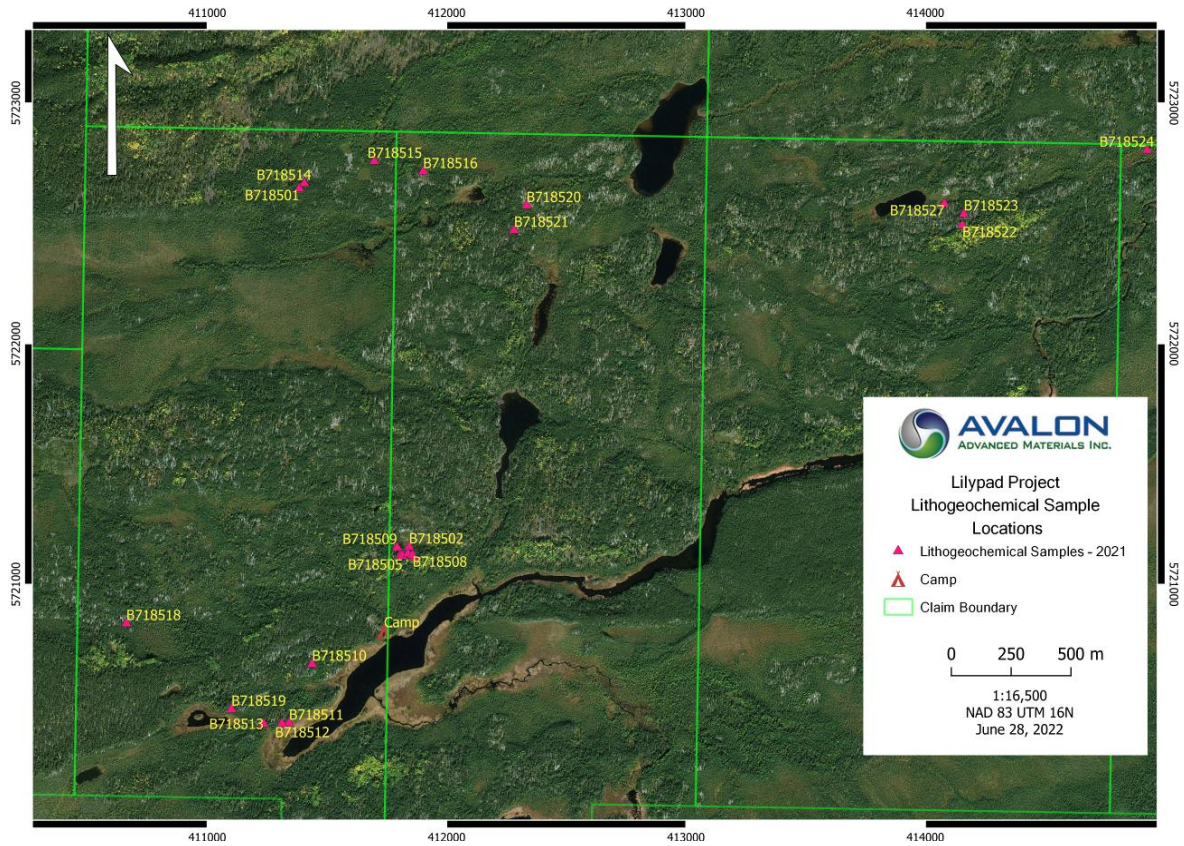


Figure 25: Lithochemical Sample Locations

Rock samples were prepared with method PREP-31Y and analysed by code CCP-PKG01. The methods can be summarized as:

1. Prep-31Y: crush to 70% <2mm, pulverize split to >85% passing 75 microns
2. CCP-PKG01 comprises five sets of analyses of over 50 elements:
 - a. ME-ICP06 – whole rock analysis 14 parameters
 - b. ME-IR08 – providing C and S values
 - c. ME-MS81 – fusion followed by ICP for 31 elements including high field strength elements
 - d. ME-MS42 – aqua regia dissolution followed by 10 elements
 - e. ME-4ACD81 – four acid dissolution followed by ICP for ten elements

Lithogeochemistry Results

The lithogeochemistry analyses confirm the historically reported values of cesium, lithium and tantalum. The details are provided in the appendices 1 and 2.

Mini-Bulk Sample

An additional mini-bulk sample of ~500kg was collected in 2021 from the Pollucite Dyke. A total of 25 pails of hand-sized rock were collected from a historic trench (see Figure 6 in Fall 2020 Program section) on the main outcrop of the dyke, located at NAD 83 Zone 16 0411604E 5722772N. Twenty pails contained pegmatite rock and five pails contained mafic and felsic volcanic host rock. The pails were slung by helicopter (Whisk Air) from the Pollucite Dyke to the helicopter pad at the base camp (NAD 83 411723E 5720814N) in two loads. From there they were flown out by float plane (NDK Air) to Pickle Lake and transported by truck (Richard Brett) to Kenora where they were put in storage at the Avalon warehouse. The mini bulk sample was collected for analytical verification of cesium grades and for preliminary metallurgical test work for concentrating pollucite.

Soil Geochemistry

A soil sampling program was carried out over eight days, mainly in the northern area of the claims. North-south running lines were sampled at 50m intervals, ground permitting at a depth varying between 10 to 40cm. The soil samples consisted of B horizon.

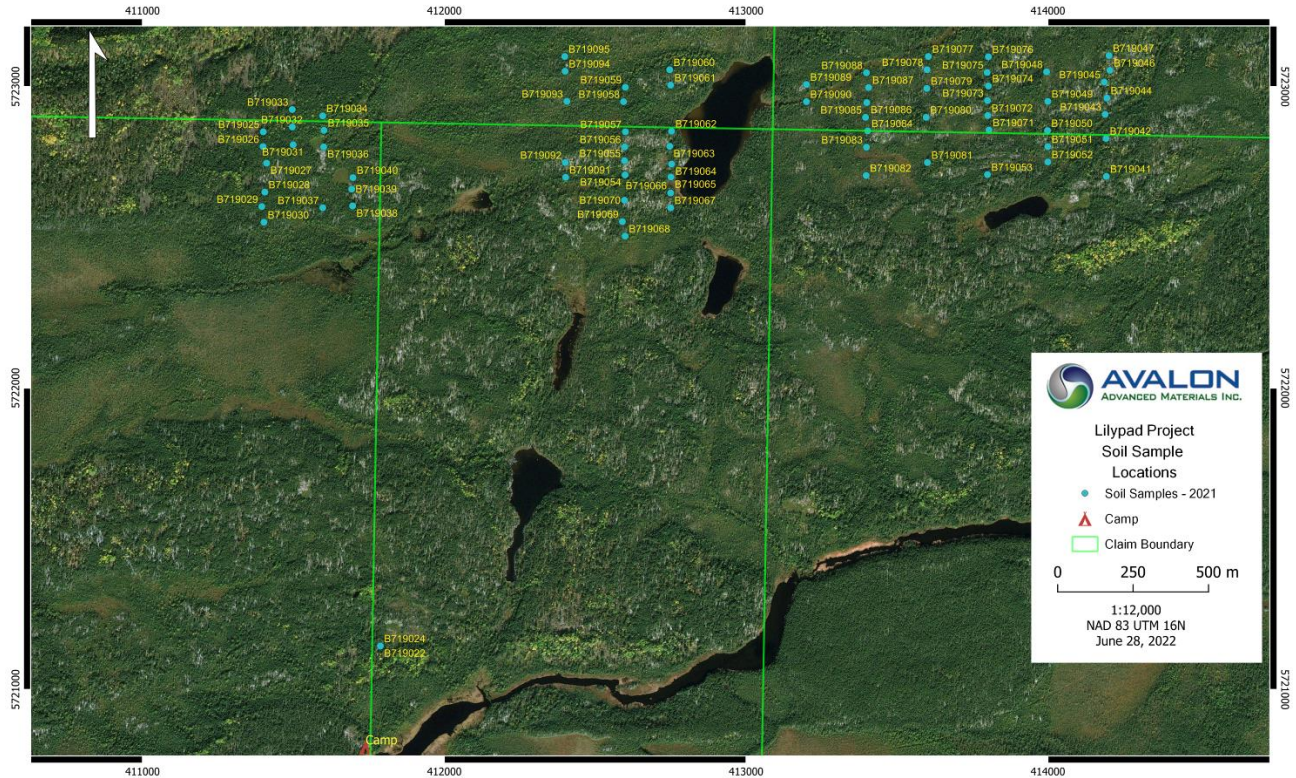


Figure 26: Soil Sample Locations

The 0.3kg weight samples were collected with the use of a soil auger and in some cases with a small shovel. The use of a soil color and grain size chart facilitated the description of the samples. The collected soil and a laboratory ID tag were enclosed in Kraft paper bags with a zip tie. The bags were labeled with the same number as the laboratory ID. The often wet or damp soil bags were laid out in camp to dry prior to transportation to the laboratory for analyses. Each sample location was flagged and the UTM coordinates were recorded with a Garmin 64 handheld GPS, as well as a description of the vegetation and ground were recorded. Samples were transported in rice bags by float plane to Armstrong Station and then by truck to the Thunder Bay ALS laboratory, Ontario. A total of 94 soil samples were submitted to the laboratory for multielement analysis. The main objective of the analysis was to test the utility of multielement analysis of soils for outlining potential extension of any known pegmatite dykes and the possibility of discovering new pegmatites covered by soil, glacial till and/or vegetation.

Soil samples, averaging 300 grams in weight (200-500 grams range) after drying at camp and shipping, were subject to preparation using ALS methods PREP-41 followed by ME-MS41L. The methods can be summarized as:

1. PREP41 – dry and sieve to 180 μ
2. ME-MS41L – aqua regia dissolution followed by ICP analysis for 43 elements

Apart from sampling lines, two soil profiles were conducted on the eastern and western margins of the Pollucite Dyke outcrop. The aim was to identify if the Cs concentrations would be increased in close proximity to the pegmatite and to potentially observe a change of the Cs level in the different soil horizons. The description of the two profiles is illustrated in the figures below. A soil profile was also collected at the Spodumene Dyke but with no detailed description.

The soil profiles do not provide clear definitive data but do suggest that samples at least 20 to 40cms down, assumed to be true B horizon, are superior for Cs, Ta and Li but Profile 1 showed stronger Cs on surface in what would be weak B horizon.

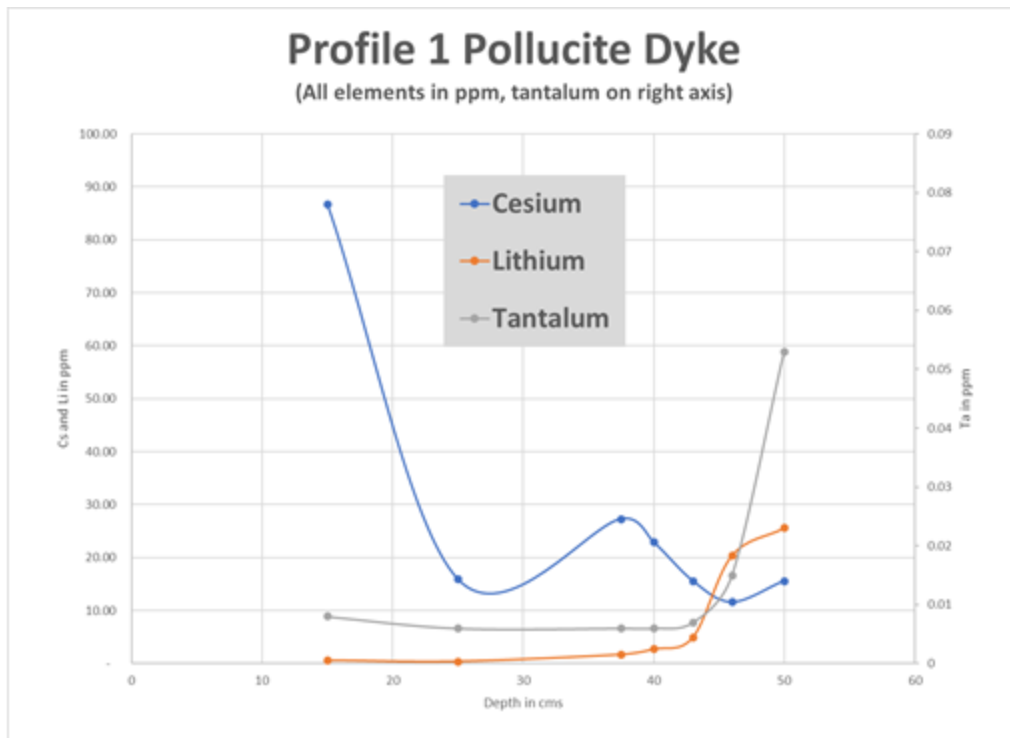
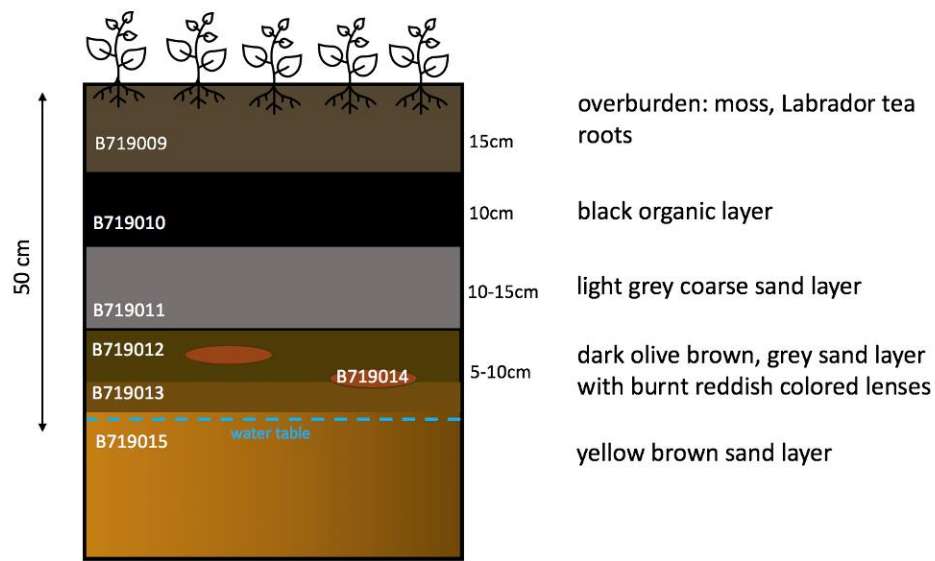


Figure 27: Schematic and elemental profile at Profile 1 on Pollucite Dyke

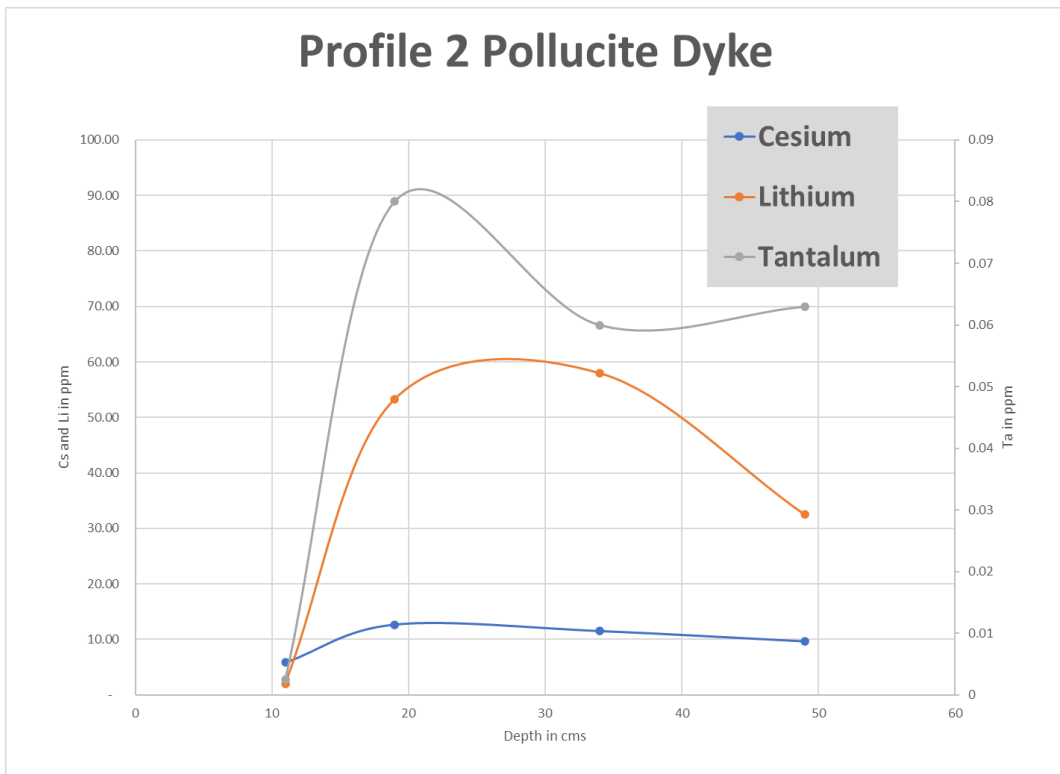


Figure 28: Schematic and elemental profile at Soil Profile 2 at Pollucite Dyke

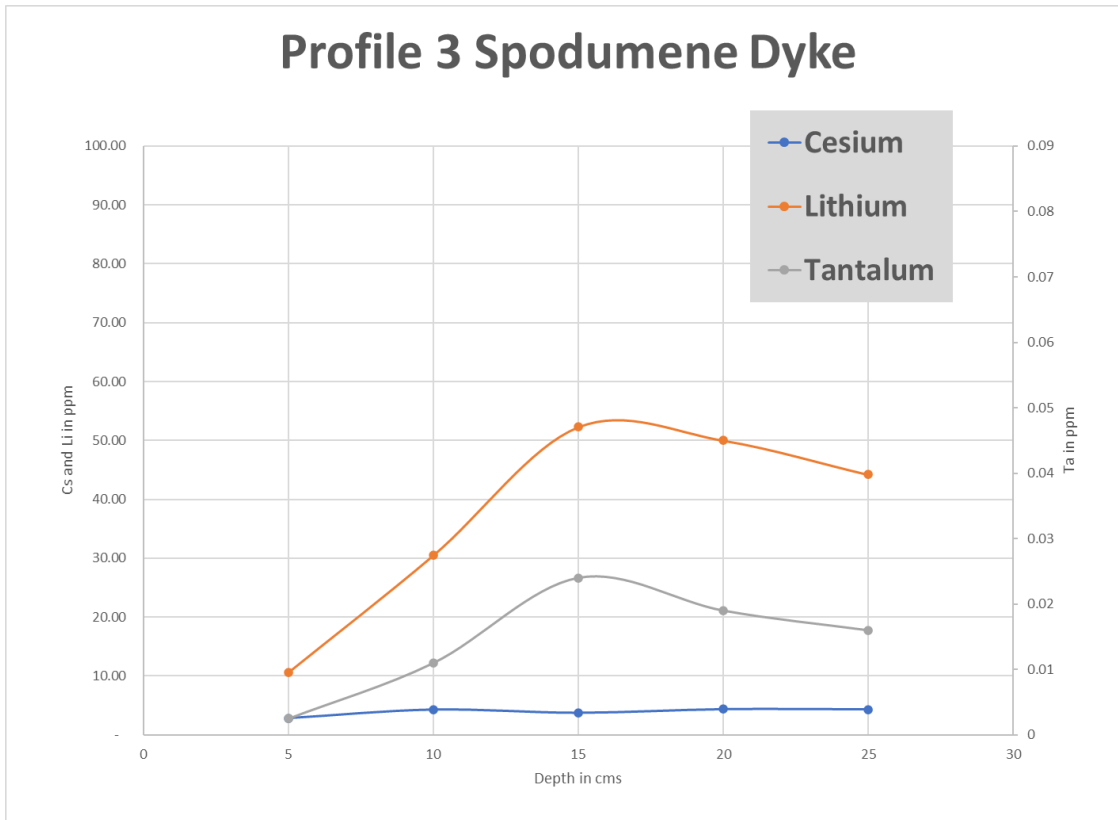


Figure 29: Elemental Profile Spodumene Dyke (no profile available)

The Regional Soil Sampling

Soil samples were collected at Lilypad in locations where soil was clearly present and not poorly developed due to being swampy, which is a smaller area of the property than that covered by black spruce, utilized for biogeochemistry.

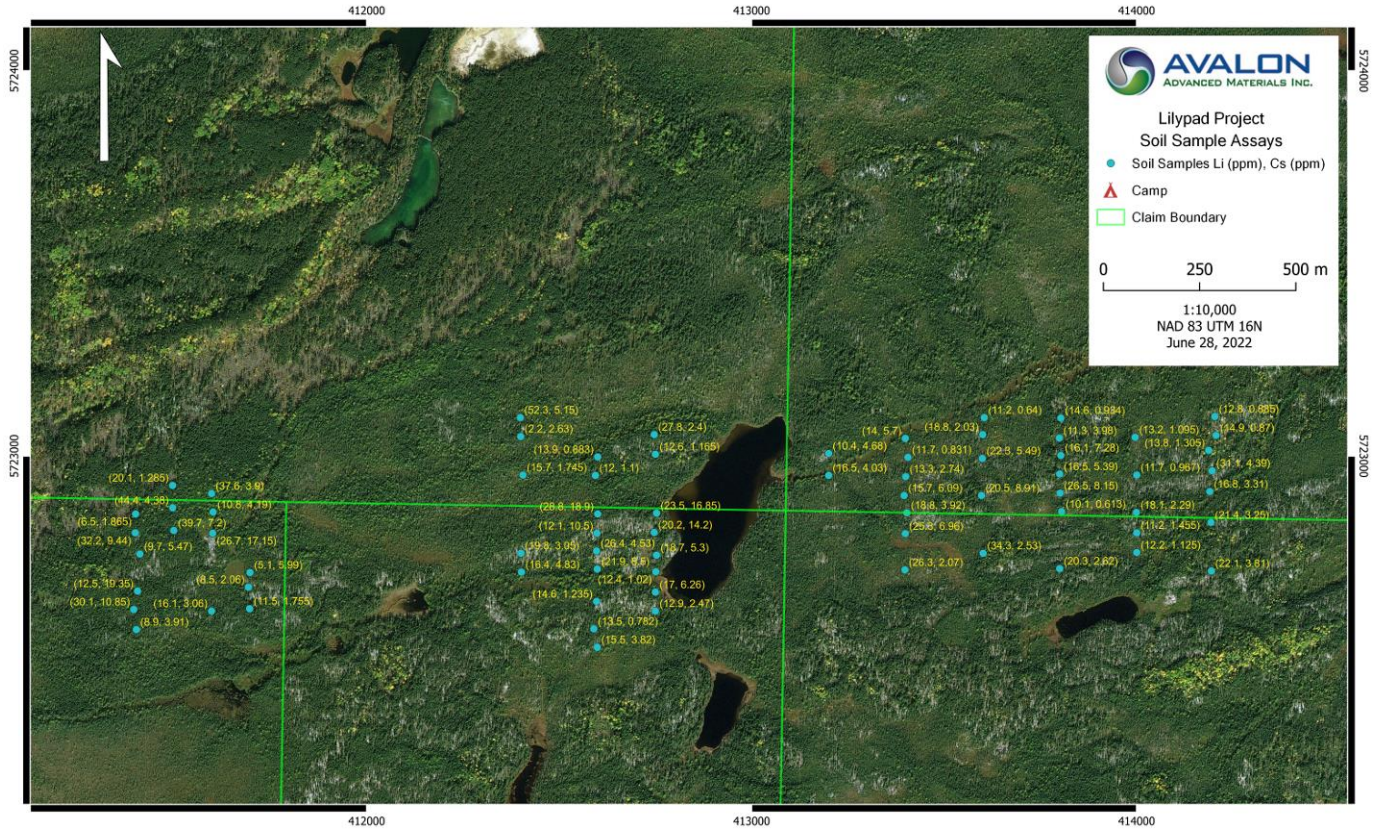


Figure 30: Li and Cs Values in Soil Samples (ppm)

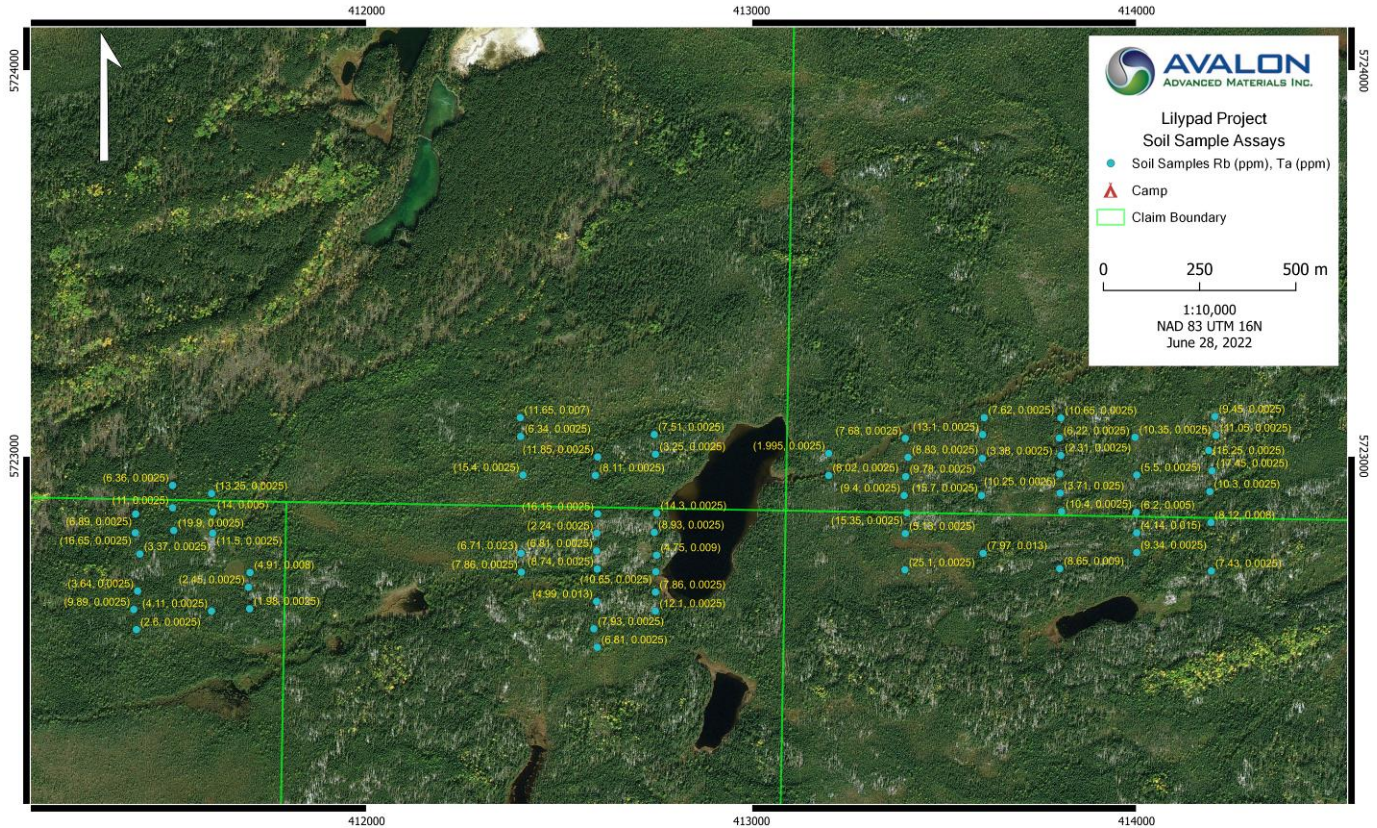


Figure 31: Rb and Ta Values in Soil Samples (ppm)

The soil results for Cs and Li show anomalies in a variety of locations without known mineralization and thus justify further field prospecting and sampling. Of the high Cs in soil only one is close to the Pollucite Dyke. Of the high Li values, some three out of ten are close to the Spodumene Dyke and the remaining seven not assigned to a known occurrence. The results have demonstrated that soil reflects underlying bedrock mineralization and have generated numerous targets for further investigation.

Biogeochemistry

A biogeochemistry (vegetation) sampling program was carried out over the historically unsampled low percent outcrop swamp areas, as well as over the main outcrops of the Pollucite Dyke, Rubellite Dyke and Spodumene Dyke. The objective was to seek Cs, Li and Ta as tracer elements in the chemistry of the vegetation and potentially detect hidden (covered) pegmatite occurrences.

A total of 728 vegetation samples were collected during a period of 19 days. The vegetation samples consisted of approximately 0.25kg of freshly cut branches with needles of black spruce trees. Black spruce was chosen as a widely distributed abundant tree with known

good biogeochemistry responses from sampling for similar metals elsewhere. Utilizing one species removes the variability due to tree species. Samples were taken at 50m intervals on north-south sampling lines. Sampling lines going across the Pollucite Dyke, Rubellite Dyke and Spodumene Dyke were collected at approximately 10m intervals to test the chemistry adjacent to mineralization.

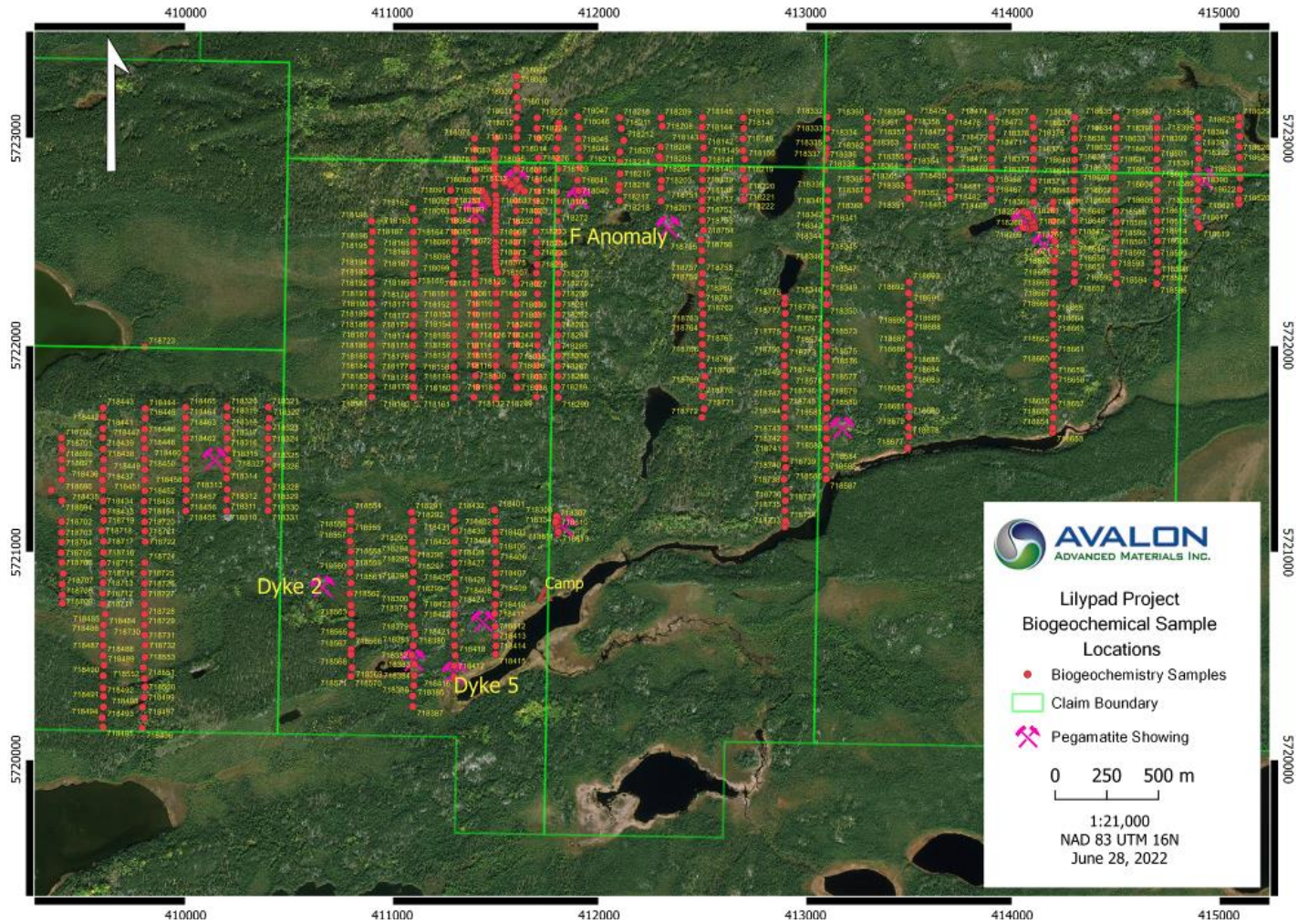


Figure 32: Biogeochemistry Sample Locations

Each sample location was flagged and the UTM coordinates were recorded on a Garmin GPS. A brief note about the ground and vegetation was made for each spot. A laboratory ID tag was included with the vegetation in the sample bag and the latter was numbered with the corresponding lab ID on both sides. Where possible, the same size of tree was being sampled. Branches were cut off with a clipper. Sample bags were left out in the sun to dry before being closed up with zip ties for transportation. Samples were transported in rice bags by float plane to Armstrong Station and then by truck to the ALS Laboratory in Thunder Bay, Ontario.

Vegetation samples for biogeochemistry were sent to ALS Laboratory for VEG-Mil01 followed by ME-VEG41 or alternatively ashing and method ME-VEG41a. The methods can be summarized as follows:

1. ME-MILL01 – the vegetation sample is milled to 100% passing 1mm, after drying
2. VEG-ASH01 – the sample after drying is ashed at 475°C for 24 hours. The weights before and after are recorded. Typical yields are 2 to 4% of the original material. The concentration factor is about 40X.
3. ME-VEG41 or ME-VEG41a comprises Aqua regia acid digestion and ICP-MS measurement, 53 elements, using 1g of finely milled material or for VEG41a, 0.25g of ashed material

The vegetation samples averaged 250g in weight, which was reduced to about 20g after drying and after ashing, to about 0.5g. As 0.25g was required for analysis of ashed samples, there was an adequate amount of sample after ashing.



Figure 33: Biogeochemistry Sampling in Field



Figure 34: Flagged sample locations near Spodumene Dyke 411809E 5721127N NAD83

Biogeochemistry Results

In conclusion, for the analyses of vegetation samples, it can clearly be seen that the anomalous values are defining areas of known mineralization really well. Of the 42 samples, out of 273, that have anomalous values of one or more of Cs, Li and Ta, sixteen are in the Rubellite Dyke area, thirteen are in the Pollucite Dyke area and thirteen are not presently assigned to one of the known pegmatites. An advantage of biogeochemistry, as opposed to soil surveys, at Lilypad is that much of the property has poorly developed soil profiles, often due to the ground's swampy nature, but trees are present throughout the property.

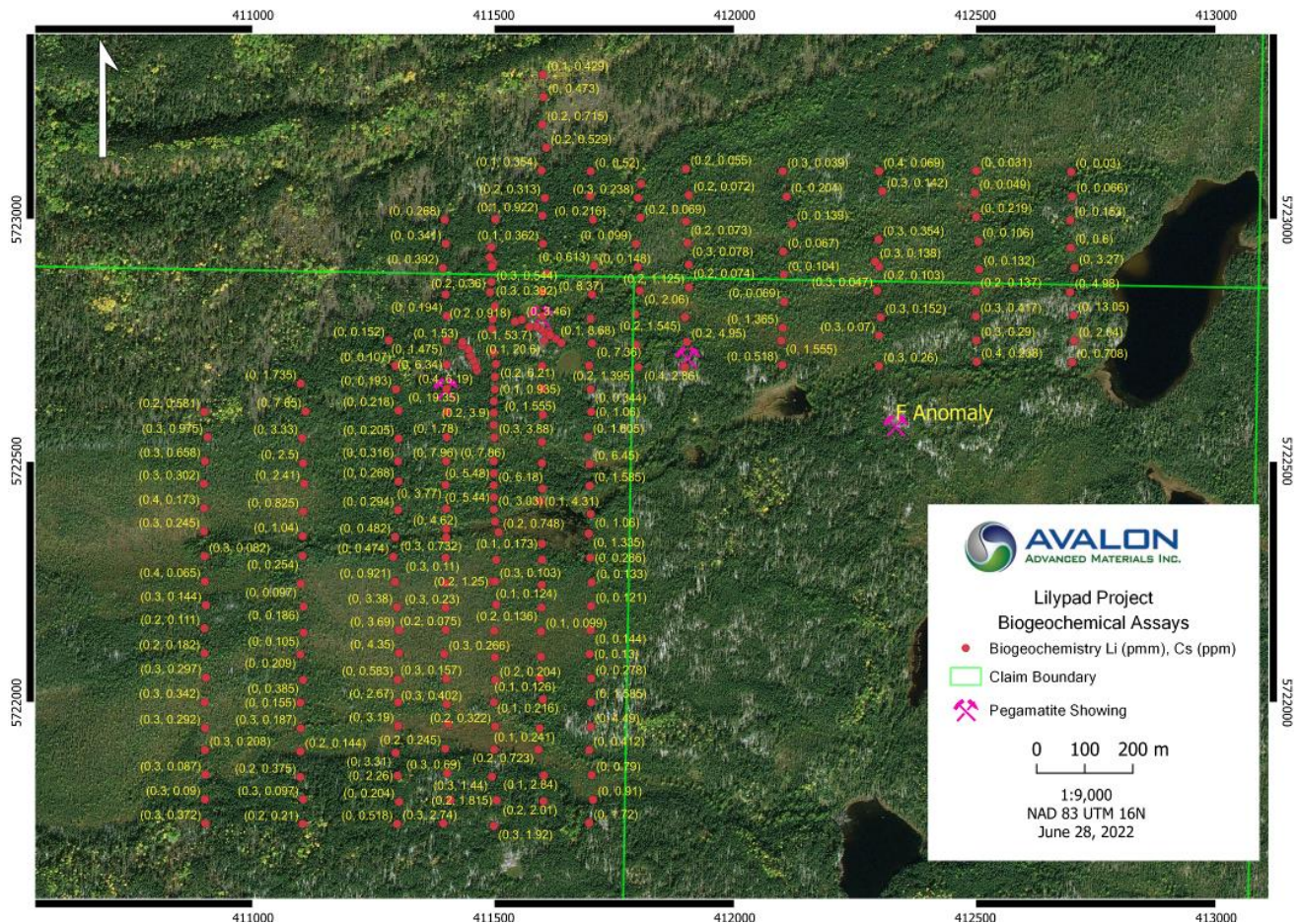


Figure 35: Biogeochemistry Values Li and Cs (ppm)

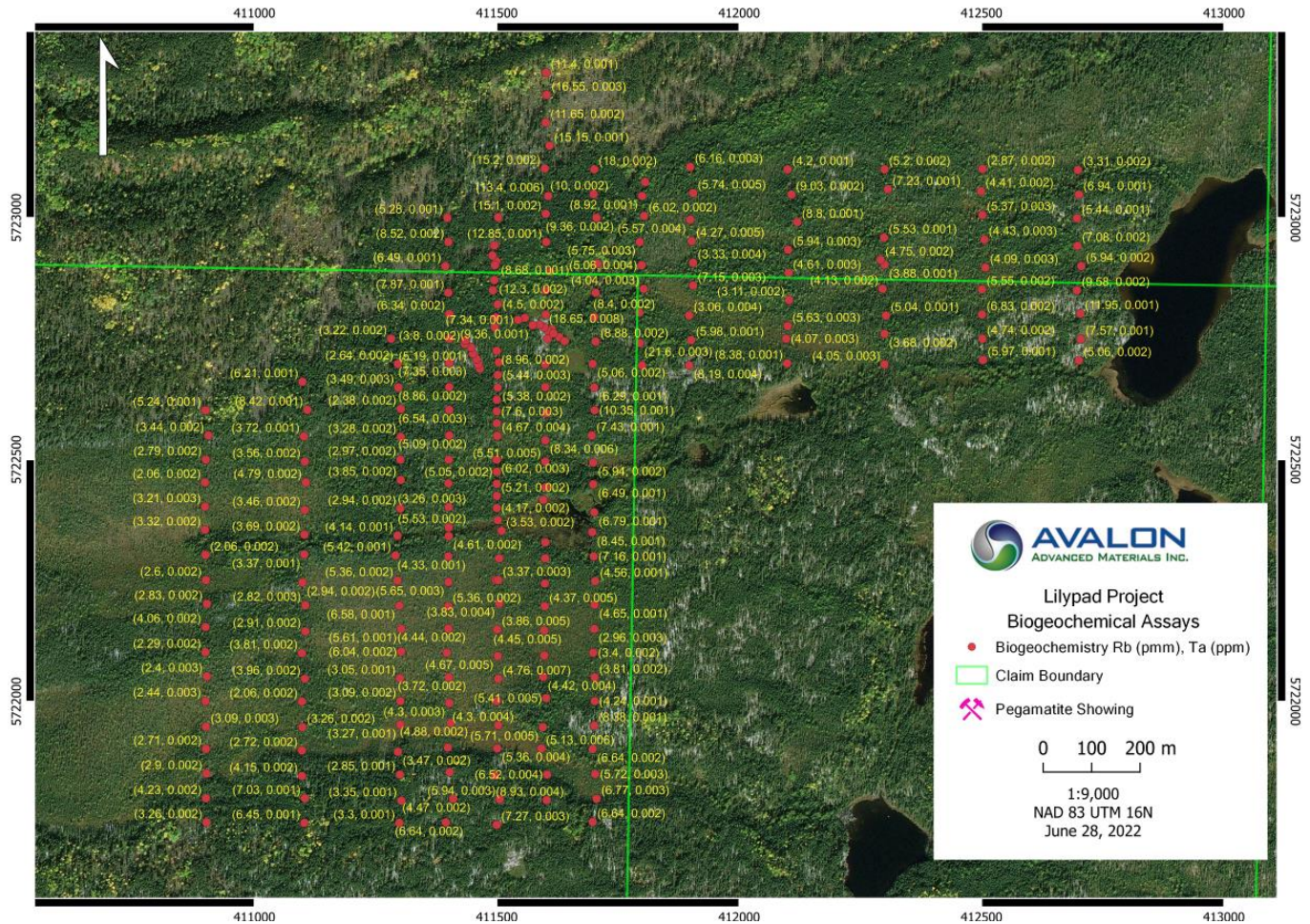


Figure 36: Biogeochemistry Values Rb and Ta (ppm)

With the Cs value in tree twigs ranked from twenty highest to lowest, eight are within the area of the Pollucite Dyke (including the six highest values), nine are near the Rubellite Dyke and two in areas not designated as close to a known dyke. Of the ten highest Li values, three are near the Pollucite Dyke, one near the Rubellite Dyke and the remaining six not presently assigned to one of the known pegmatites. For Ta there are five of the top ten values close to the Pollucite Dyke and five not assigned to an existing dyke.

In summary, the highly anomalous values close to known dykes demonstrate the validity of vegetation analyses for detecting the presence of mineralisation. The fifteen values not close to the Pollucite or Rubellite Dykes with one of more of the mineralization key elements at anomalous levels – Cs, Li, Rb or Ta – are useful targets for further investigation. Meanwhile a further approximately 500 vegetation samples are in process of being analysed.

Water Geochemistry

Description of Field and Laboratory Methods

A surface water sampling program was carried out on seven days at ten locations. Thirteen surface water samples were collected at various streams, creeks and lakes on the Lilypad claims, with two background control samples approximately 20km away from Lilypad camp and off the claims. Four additional samples were collected but were lost in transit to the laboratory and are ignored in this report.

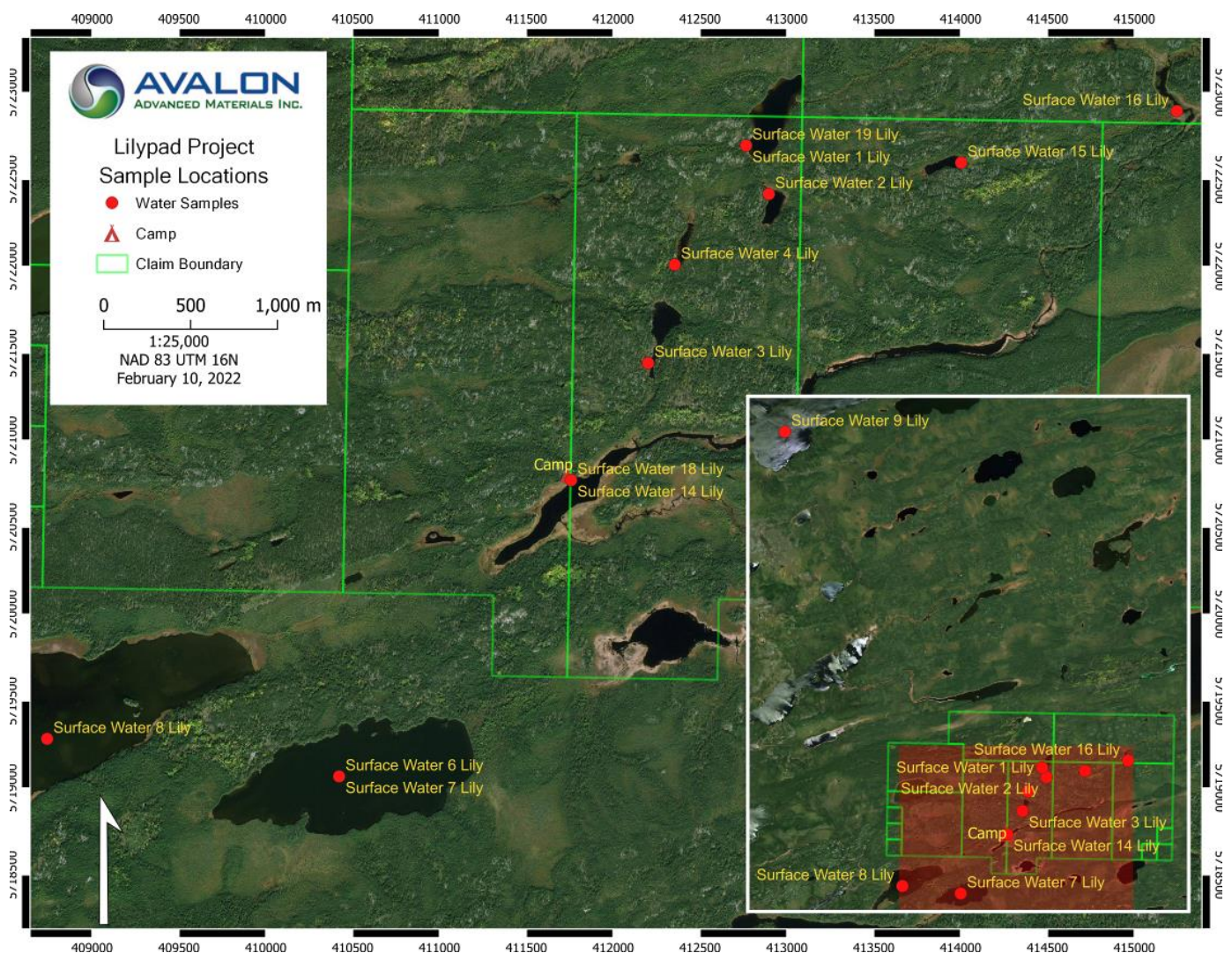


Figure 37: Baseline Water Sample Locations

ALS provided Avalon with a sampling protocol. Sampling was done with the help of a pitcher to collect the water to fill it carefully in the specific water sampling bottles provided by the ALS Environmental Laboratory. The pitcher was rinsed several times at each sampling location before the actual water sample was taken. The sampler did not touch the rims of the sampling bottles nor the spout of the pitcher with their fingers. The sampling protocol provided by ALS stated to not use the sampling bottles directly as some of them contained a liquid inside the bottle which could have escaped during the filling. They also emphasized to not overfill the bottles as the pre-existing liquid with chemicals would also have been lost in that case. Since access at the shores was often difficult, one big sample was collected with a pitcher and the sample bottles were subsequently filled.

At each sampling location the time of collection and the UTM coordinates as well as the temperature and pH of the water was recorded. The sampling bottles were labelled with the name of the sample collector, time of collection, a sample ID as well as the UTM coordinates. The samples were kept in a cooler with icepacks or in a refrigerator until their delivery to the ALS laboratory in Thunder Bay, Ontario. The coolers with the samples were transported by float plane from the camp to Armstrong Station and then by truck to Thunder Bay. Three duplicates and two “blanks” (bottled commercial “Spring Water” and domestic well water from Armstrong Station) were included in the analyses for quality control.

A total of fifteen samples, including the three duplicates and two blanks, were submitted to the laboratory for analyses to develop a baseline of the chemistry of the surface waters on the claims in order to be used as a reference for future work at Lilypad Property.

Interpretation of Results

Water quality analysis sampling was successfully undertaken at eleven sites, with multiple parameters being analyzed. The details of the samples and analyses are included in the appendices to this report. At three sites a duplicate was also collected. The objective was to obtain preliminary baseline water data at the scale of an exploration project, prior to any significant surface disturbance that would be useful for future permitting and community consultation considerations.

The main points from the analyses are:

- There were no exceedances of MDMER regulatory limits
- pH levels were all within CCME guidelines, and only two locations had pH marginally higher than 8.0 (8.06 and 8.08)
- Total silver levels were above CCME guidelines at sites 19 (near mineralization), 3, 4, 6 &7, with site 3 being significantly higher than any other site (near anomaly east).

- However, it is also worth noting that the high silver values in samples 14 and 19 were not repeated in the duplicates at those two sites (samples 18 and 1 respectively).
- Also two of the three highest silver values were in the “blanks” – Armstrong well water and commercial drinking water purchased from a grocery store.
- Total Cyanide, Total Cobalt, Total Lead, dissolved Cadmium, and Mercury (total and dissolved) all fell below detection limits at all sampling locations.
- All instances of total and dissolved Copper, Nickel, Molybdenum, and Zinc were well below CCME guidelines, with many falling below detection limits
- While all instances of Iron fell under CCME guidelines, Lily 1 (located near mineralization) shows an Iron concentration of 0.259 mg/L, near to the 0.3 mg/L allowable limit. This is a surprising result, considering that the relatively high pH of the sample.
- Total Cesium shows higher values close to mineralization of the order of 0.000X mg/l and in lakes distant from mineralization of the order of 0.0000X mg/l. Dissolved Cesium shows the same orders of magnitude. Lithium does not show such clear trends.
- There are not any water quality parameters of concern in this study that should preclude any further exploration work being undertaken at site.

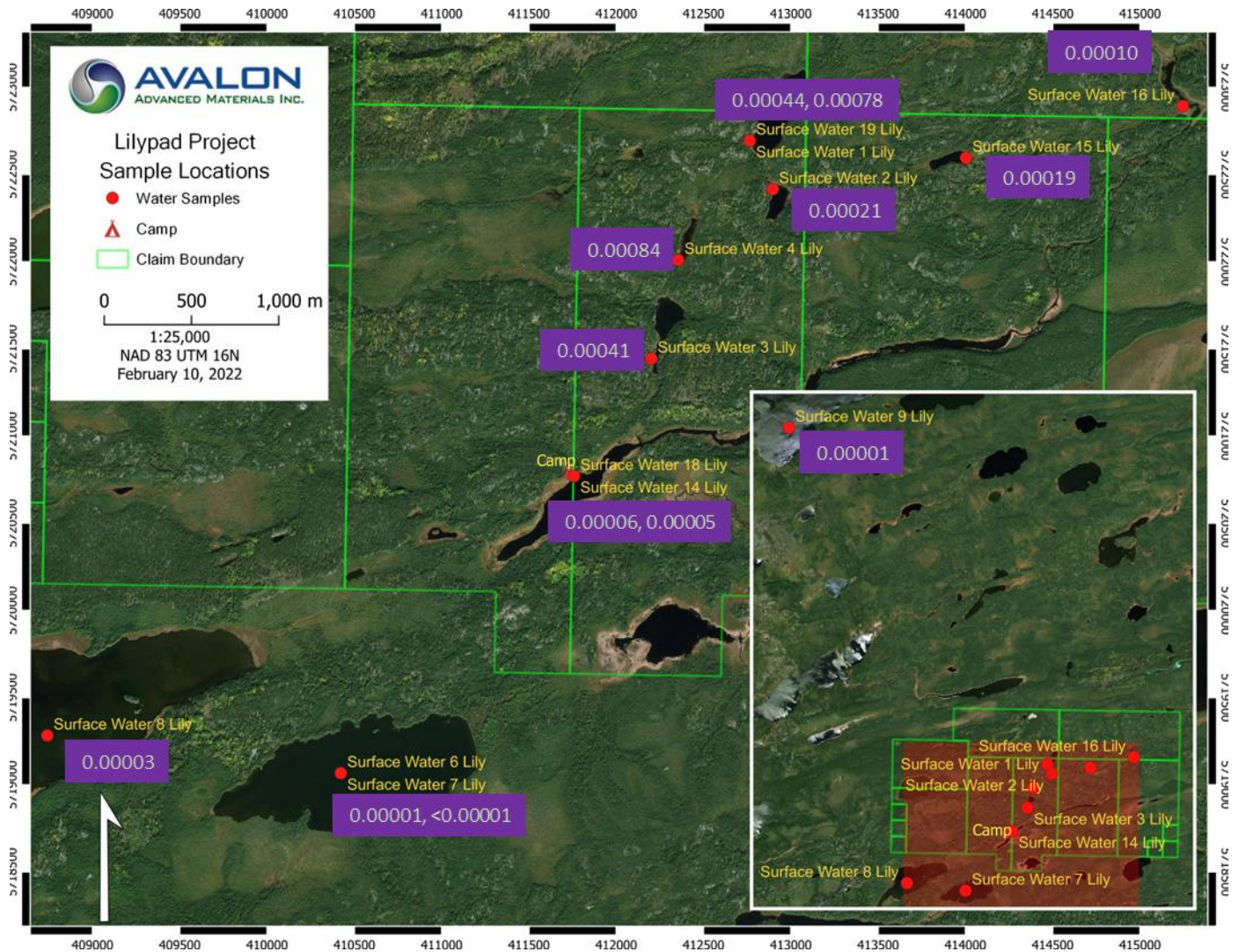


Figure 38: Total Cesium Analyses (mg/l) (where two values entered, duplicate samples were collected)

The duplicate samples show good comparison helping to validate the results. For example, graphs show reasonable agreement between the three duplicate sets for selected parameters. Only Cesium shows wide variation with site 2 showing high Cs and Li in samples Lily-1 and about half the level in Lily-19. It should be noted that these two samples were in different analytical batches.

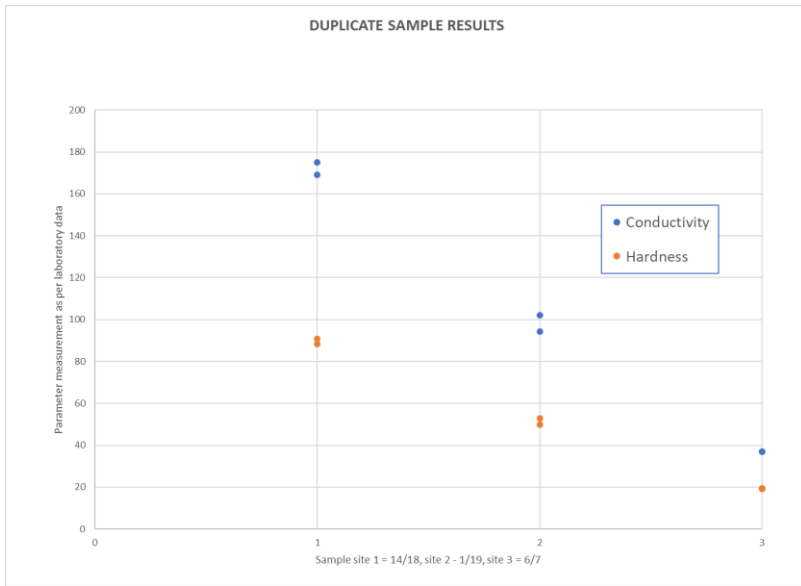


Figure 39: Duplicate water samples for conductivity and hardness analyses (2 samples at each site)



Figure 40: Duplicate water samples for pH, Chlorine and Total Organics (2 samples at each site)

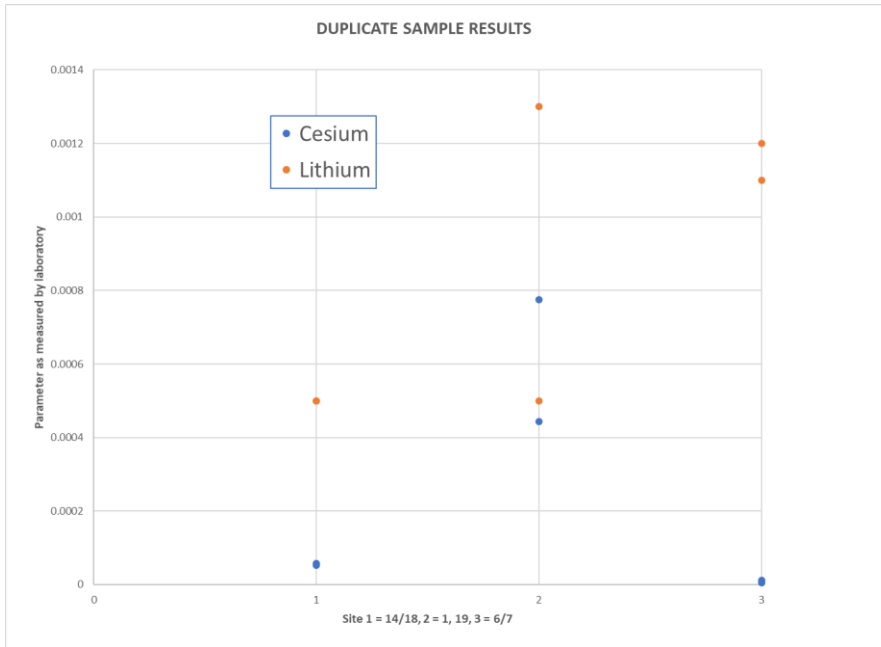


Figure 41: Duplicate water samples for Cs and Li (2 samples at each site)

CONCLUSIONS AND RECOMMENDATIONS

The 2020 and 2021 field programs provided small bulk samples of the Pollucite Dyke suitable for bench scale metallurgical testing, an important component for advancing the project to PEA stage.

In addition, other achievements were:

- Completion of wide based soil and vegetation analyses, demonstrating that the methods work on the property for detecting mineralization.
- In addition, the surveys generated a number of targets with anomalous values of Cs, Li and Ta that merit further investigation in the field.
- Regional baseline water sampling, including a lake some distance from the property, will assist in future environmental permitting processes.
- Handheld GPS surveying of historic drill collars has confirmed the validity of the existing location database of historic drill holes.
- The 2021 field program was important also as a considerable amount of waste materials from historic field programs was removed for appropriate disposal.
- The field program was aided greatly by the employment of local indigenous people in much of the work.

The work leads to the following field work recommendations that should not require onerous permitting processes:

1. Further examination of the soil and biogeochemistry results is required to identify any targets that have the potential to be new mineralized zones for Cs, Li and/or Ta or extensions of existing zones.
2. The geochemistry methods have shown excellent mineralization tracking and the whole property should be systematically covered particularly with biogeochemistry.
3. Further lithogeochemistry should accompany any exploration geochemistry. In particular some dykes that have been historically less explored have given results that suggest detailed exploration, outcrop stripping trenching and sampling.
4. A fundamental requirement is a new updated digital detailed geological map of the property. This should be accompanied by careful digitization and georeferencing the carefully made geological maps in Rees, 2001.
5. Consideration should be given to covering the property with high resolution close spaced airborne magnetic survey for outlining the potential areas of dykes given the likely magnetic contrast between the dykes (very low to zero magnetism) to the country rocks.

6. It is obvious that detection of hidden dykes or dyke extensions would be assisted by further biogeochemistry accompanied by detailed airborne magnetics and any possible outcrop stripping,
7. The existing historic drill core on site should be completely reboxed, labelled and racked and not left in the present state of disorganization. This requires careful work supervised by a qualified geologist.

Any field work should be accompanied by laboratory studies such as petrography, Qemscan and other methods to detail the mineralogical nature of the pegmatites for input to any processing methods tested at the bench scale. An important outcome of such work would be the identification of ore types for geometallurgical considerations.

Any planned drilling, as well as targeting increasing the tonnage of the known deposits, should also include:

1. Investigation the nature of zoning in the deposits. The naming of the deposits as Rubellite and Pollucite Dykes suggests that one has potential for Cs mineralization and the other for Ta-Rb. But a more careful examination of the geological details of the deposits indicates that the dykes all have Cs and Li potential and exhibit strong elemental zoning that is not well identified at present due to the paucity of drilling. There is danger that the potential of a dyke for any particular economic mineralization is obscured by the chance of the level of erosion.
2. Testing any new anomalous areas identified by soil- and biogeochemistry.
3. Consideration should be given to surface stripping either prior to or accompanying any drill program.

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APPENDICES

Appendix 1	Lithogeochemical sample locations
Appendix 2	Lithogeochemical sample analyses
Appendix 3	Soil sample locations
Appendix 4	Soil sample analyses
Appendix 5	Biogeochemistry sample locations
Appendix 6	Biogeochemistry vegetation sample analyses
Appendix 7	Baseline water sample locations
Appendix 8	Baseline water sample analyses
Appendix 9	Camp water analyses
Appendix 10	Bacteriological tests (water)

APPENDIX 1: LITHOGEOCHEMICAL SAMPLE LOCATIONS

Lithology Samples Lilypad 2021

E	N	Sample #	Date Sampled	Lithology	Showing	Sampled by	Description	Notes	Thin Section ID
411385	5722644	B718501	29/07/2021	Pegmatite	Pollucite Dyke West extension	Sarah Bodeving	Possible pegmatite extension underneath esker. Rubellite and lepidolite present. In contact with host rock. Angular, not rounded so believed to not have moved much. But not in situ.	Half ALS, half McGill.. Quemscan	
411843	5721155	B718502	31/07/2021	Pegmatite	Spodumene Dyke	Sarah Bodeving	Swamp outcrop. Glassy grey qtz and pinkish white Ksp. 10cm spd crystal. Lots of green mica.	Half ALS, half McGill.	
411809	5721127	B718503	31/07/2021	Pegmatite	Spodumene Dyke	Sarah Bodeving	Main spodumene dyke outcrop. Very saccharoidal. White an green mica. No other minerals distinguishable.	Lots of smaller pieces to lab and one larger piece to McGill.	
411810	5721119	B718504	31/07/2021	Pegmatite	Spodumene Dyke	Sarah Bodeving	Dyke with seagreen spd.	Too big to break in half. All to McGill.	
411816	5721118	B718505	31/07/2021	Pegmatite	Spodumene Dyke	Sarah Bodeving	Edge of swirly pegmatite. Very saccharoidal. No spd visible.	Half ALS, half McGill.	
411839	5721127	B718506	31/07/2021	Pegmatite	Spodumene Dyke	Richard Brett/ Sarah Bodeving	Along snake outcrop. Green mica, pink albite? kfsp, maybe spd?	Too big to break in half. All to McGill.	
411863	5721112	B718507	31/07/2021	Pegmatite	Spodumene Dyke	Richard Brett	Along snake outcrop. Completely white saccharoidal with smaller orange pieces, no spd visible.	Half ALS, half McGill.	
411858	5721121	B718508	31/07/2021	Pegmatite	Spodumene Dyke	Richard Brett	Along snake outcrop. Beautiful sample with green spd, quartz, Kfsp.	Broke smaller pieces off for lab, big chunk to McGill.	
411793	5721153	B718509	31/07/2021	Pegmatite	Spodumene Dyke	Sarah Bodeving	Main blast outcrop. Very coarse spd xtals, seem to be coated with darker mica.	Half ALS, half McGill. Quemscan	
411438	5720668	B718510	01/08/2021	Pegmatite	West of Camp	Richard Brett	Pegmatitic dyke at anomaly point. Lots of green mica, cubic dark mineral, white albite and quartz.	Half ALS, half McGill.	
411342	5720423	B718511	01/08/2021	Pegmatite	West of Camp	Richard Brett	Weird vein at anomaly. very coarse qtz in center and then fingerained laminated white greenish mica around.	All to ALS. Too brittle.	
411312	5720421	B718512	01/08/2021	Pegmatite	West of Camp	Richard Brett	Albitic dyke with green mica, blue apatite, cross cut by reddish veinlet	Half ALS, half McGill.	
411236	5720420	B718513	01/08/2021	Pegmatite	West of Camp	Richard Brett	Albitic dyke with green mica. Similar to the one before	Half ALS, half McGill.	
411406	5722666	B718514	02/08/2021	Pegmatite	Pollucite Dyke West extension	Sarah Bodeving	Last outcrop before esker. Rubellite, lepidolite present.	Half ALS, half McGill. Quemscan.	PD21_1 PD21_1.1
411698	5722758	B718515	02/08/2021	Pegmatite	Pollucite Dyke East extension	Sarah Bodeving	Composite grab. Smaller pieces of albitic dykes. No lpd visible.	All to ALS.	
411902	5722715	B718516	02/08/2021	Pegmatite	Pollucite Dyke East extension	Sarah Bodeving	Bigger dyke. Purple fluorite? Maybe lepidolite present.	Half ALS, half McGill.	
?	?	B718517	03/08/2021	Pegmatite	West of Camp	Richard Brett	30cm wide? large boulder? pegmatite, green mica, albite	Half ALS, half McGill.	
410662	5720837	B718518	03/08/2021	Pegmatite	West of Camp	Richard Brett	1 to 5cm wide dyke, white coarse grained	All to ALS.	
411101	5720481	B718519	03/08/2021	Pegmatite	West of Camp	Richard Brett	Pegmatite	All to ALS.	
412334	5722574	B718520	03/08/2021	Pegmatite	F anomaly	Sarah Bodeving	Grab sample, white albitic with some purple, maybe rub, lots of qtz.	Half ALS, half McGill.	FA21_2

E	N	Sample #	Date Sampled	Lithology	Showing	Sampled by	Description	Notes	Thin Section ID
412282	5722471	B718521	03/08/2021	Pegmatite	F anomaly	Sarah Bodeving	Grab along channel, chips.	All to ALS.	
414155	5722491	B718522	06/08/2021	Pegmatite	Baseline Dyke	Sarah Bodeving	Some lpd, maybe some rubellite?	Half ALS, half McGill.	BD21_3
414161	5722539	B718523	06/08/2021	Pegmatite	Baseline Dyke	Sarah Bodeving	Close to baseline dyke, more lpd	Half ALS, half McGill.	BD21_4
414927	5722804	B718524	06/08/2021	Pegmatite	Opie Dyke	Sarah Bodeving	2 pieces with lepidolite, rest coarse grained white Kfsp? or Spd?	Half ALS, half McGill. Quemscan	OD21_5
415106	5722773	B718525	06/08/2021	Pegmatite	Along swamp	Richard Brett	Squiggly quartz rich, green mica? part on edge of swamp. Richard picked up close to Opie dyke	All to ALS.	
414080	5722581	B718526	06/08/2021	Pegmatite	Rubellite Dyke	Sarah Bodeving	Finergrained rub and spd, and lpd, coarse spd	Half ALS, half McGill.	RD21_6
414080	5722581	B718527	06/08/2021	Pegmatite	Rubellite Dyke	Sarah Bodeving	Section with coarse purple lpd, other section with coarse rub and spd, coarse qtz	Half ALS, half McGill. Quemscan	
414080	5722581	B718528	06/08/2021	Pegmatite	Rubellite Dyke	Sarah Bodeving	lpd rich, maybe pollucite in stringers?	Half ALS, half McGill.	RD21_7

Lithochem ALS

-Not sent to ALS as too big to saw in half at McGill

-Retained for petrographic work

APPENDIX 2: LITHOGEOCHEMICAL ANALYSES

Report Version 1TB21218459 - Finalized
 CLIENT : OPG - Avalon Advanced Materials Inc.
 # of SAMPLES : 28
 DATE RECEIVED : 2021-08-19 DATE FINALIZED : 2021-09-08
 PROJECT : Project 0535
 CERTIFICATE COMMENTS :
 PO NUMBER:

Samples B718501 - B718528 – Section 1

	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	OA-GRA05	TOT-ICP06	C-IR07	S-IR08
SAMPLE	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	Cr ₂ O ₃	TiO ₂	MnO	P ₂ O ₅	SrO	BaO	LOI	Total	C	S	
DESCRIPTION	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	
B718501	71.4	16.65	0.32	0.08	0.03	5.03	2.39	<0.002	<0.01	0.04	0.96	0.01	<0.01	1.65	98.56	0.05	<0.01	
B718502	74.3	18.5	0.78	0.05	0.02	3.9	3.05	<0.002	0.01	0.11	0.05	<0.01	<0.01	0.96	101.73	0.06	<0.01	
B718503	66.4	19.75	0.41	0.18	0.02	9	2.72	<0.002	<0.01	0.02	0.1	<0.01	<0.01	0.48	99.08	0.06	<0.01	
B718504																		
B718505	65.9	19.45	0.47	0.72	0.05	7.64	4.4	<0.002	0.01	0.01	0.05	0.01	0.02	0.39	99.12	0.08	0.01	
B718506																		
B718507	67.4	18.6	0.33	0.24	0.02	7.94	4.01	<0.002	<0.01	0.03	0.12	0.01	0.01	0.31	99.02	0.06	<0.01	
B718508	76.3	14.45	0.63	0.21	0.04	4.95	2.5	<0.002	<0.01	0.15	0.1	<0.01	0.01	0.32	99.66	0.03	<0.01	
B718509	78.9	16.7	0.94	0.07	0.03	1.65	1.26	0.003	0.01	0.09	0.05	<0.01	<0.01	0.42	100.12	0.04	<0.01	
B718510	76.1	15.25	0.78	0.16	0.03	3.96	2.2	<0.002	0.01	0.06	0.07	<0.01	<0.01	1.29	99.91	0.05	<0.01	
B718511	73.9	15.7	0.86	0.23	0.07	4.45	3.82	<0.002	0.01	0.1	0.09	<0.01	0.01	0.91	100.15	0.05	<0.01	
B718512	75.6	15	0.9	0.22	0.02	5.28	1.61	<0.002	<0.01	0.16	0.13	<0.01	<0.01	0.79	99.71	0.04	<0.01	
B718513	75.1	15.2	0.97	0.17	0.04	4.04	3.11	<0.002	0.01	0.12	0.12	<0.01	<0.01	1.04	99.92	0.05	<0.01	
B718514	69.8	17.3	0.28	0.05	0.02	5.98	2.4	<0.002	<0.01	0.05	0.87	0.01	<0.01	1.52	98.28	0.1	<0.01	
B718515	72.3	14.9	0.48	1.16	0.17	6.9	0.47	0.004	0.01	0.02	0.27	<0.01	<0.01	0.76	97.44	0.1	<0.01	
B718516	73.7	16.65	0.39	0.5	0.09	7.79	0.93	<0.002	<0.01	0.03	0.25	0.01	0.01	0.72	101.07	0.06	<0.01	
B718517	76.2	15.2	0.52	0.12	0.04	4.89	1.61	<0.002	0.01	0.06	0.05	<0.01	<0.01	0.95	99.65	0.04	<0.01	
B718518	65.3	18.7	2.17	5.47	1.4	4.04	0.49	0.008	0.1	0.03	0.15	0.08	0.01	1.02	98.97	0.11	<0.01	
B718519	74	15.65	0.93	0.23	0.01	5.44	1.54	0.002	<0.01	0.07	0.08	<0.01	<0.01	1.09	99.04	0.07	<0.01	
B718520	72.8	17.25	0.32	0.31	0.05	6.62	3.06	<0.002	0.01	0.02	0.27	0.01	0.03	0.59	101.34	0.08	<0.01	
B718521	74	15.55	0.46	0.23	0.07	6.43	2.98	<0.002	0.01	0.02	0.17	0.01	0.02	0.37	100.32	0.05	<0.01	
B718522	70.7	18	0.35	0.25	0.08	6.21	2.43	0.003	<0.01	0.03	0.17	0.01	0.03	0.91	99.17	0.07	<0.01	
B718523	74.7	16.65	0.28	0.05	0.01	6.8	1.18	<0.002	<0.01	0.03	0.13	<0.01	<0.01	0.95	100.78	0.06	<0.01	
B718524	55	26.8	0.49	0.98	0.11	4.65	2.31	0.003	0.01	0.05	0.11	0.01	0.01	2.5	93.03	0.09	<0.01	
B718525	76.2	16.85	0.65	1.17	0.18	4.37	0.84	0.002	0.01	0.02	0.04	<0.01	<0.01	1.27	101.6	0.05	<0.01	
B718526	72.7	16.5	0.31	0.34	0.02	4.8	1.65	0.002	<0.01	0.18	0.08	0.01	<0.01	1.6	98.19	0.02	<0.01	
B718527	68.7	15.65	0.36	0.18	0.05	4.34	1.19	0.005	0.01	0.11	0.1	0.01	<0.01	1.78	92.49	0.02	<0.01	
B718528	72.8	16.5	0.31	0.11	0.02	4.9	2.29	<0.002	<0.01	0.04	0.24	0.01	0.03	1.09	98.34	0.04	<0.01	

Samples B718501 - B718528 – Section 1 (continued)

	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
SAMPLE	Ba	Ce	Cr	Cs	Dy	Er	Eu	Ga	Gd	Ge	Hf	Ho	La	Lu	Nb	Nd	Pr
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
B718501	12	2.3	20	>10000	0.05	<0.03	0.02	56.1	0.07	19	10.9	0.01	1.4	<0.01	55.5	1.1	0.26
B718502	14.7	0.7	10	212	<0.05	0.03	0.03	60.7	0.12	6	1.9	<0.01	0.4	<0.01	232	0.5	0.12
B718503	39.4	3.4	10	44.6	0.16	0.06	0.12	39.1	0.37	<5	2.2	0.03	1.5	0.01	48.7	1.9	0.44
B718504																	
B718505	182.5	0.6	10	21.7	<0.05	<0.03	0.05	23.6	0.09	<5	1.6	<0.01	0.3	<0.01	14.1	0.4	0.08
B718506																	
B718507	88.1	1.2	10	34.9	0.1	0.06	0.06	32.1	0.29	5	3.1	0.01	0.5	<0.01	84.1	1.1	0.2
B718508	84.3	0.7	10	80.5	0.08	<0.03	<0.02	34.6	0.09	5	1.8	<0.01	0.5	<0.01	54.1	0.7	0.09
B718509	12.1	0.1	20	82.1	<0.05	<0.03	<0.02	53.3	<0.05	6	3.1	<0.01	0.2	<0.01	50.8	<0.1	<0.02
B718510	9.5	0.4	10	40	0.09	0.05	0.05	39.7	0.17	<5	1.8	0.01	0.2	<0.01	94.8	0.5	0.08
B718511	43.6	1.2	10	25.5	0.37	0.17	0.16	31.9	0.2	<5	2	0.06	0.6	0.04	26.9	0.7	0.17
B718512	6.9	1.8	10	9.45	0.66	0.33	0.03	31	0.35	<5	2.5	0.11	0.7	0.02	22.9	0.8	0.23
B718513	7.4	1.2	10	49.3	0.3	0.11	<0.02	36.2	0.11	<5	2.2	0.03	0.6	0.01	47.1	0.4	0.13
B718514	14.4	0.5	10	>10000	<0.05	<0.03	<0.02	54.4	<0.05	17	5.7	<0.01	0.3	<0.01	56.2	0.2	0.07
B718515	16.7	0.6	20	218	0.11	0.05	0.02	50.7	0.06	19	7.9	0.01	0.4	0.01	66.9	0.7	0.11
B718516	53.6	0.7	10	255	0.33	0.16	0.1	46.1	0.22	11	4.6	0.07	0.3	0.03	92.7	0.5	0.12
B718517	4.7	0.6	10	25.4	0.14	0.04	0.08	31.7	0.16	<5	2.8	0.04	0.1	0.01	71.4	0.5	0.12
B718518	83.9	10.3	50	10.95	0.74	0.34	1.36	17.1	0.76	<5	0.5	0.12	4.7	0.04	1.1	5.1	1.35
B718519	4.7	0.6	10	27.2	0.24	0.06	0.04	40.8	0.18	<5	1.2	0.04	0.3	<0.01	82.5	0.3	0.08
B718520	247	1	10	554	<0.05	0.03	0.1	76	0.12	16	9.8	0.01	0.5	<0.01	58.1	0.6	0.11
B718521	165.5	0.8	10	521	<0.05	<0.03	0.05	68.3	0.1	14	9.4	0.01	0.4	<0.01	52.4	0.5	0.08
B718522	254	0.2	10	692	<0.05	<0.03	<0.02	84.2	<0.05	19	6.6	<0.01	0.2	<0.01	20.5	0.2	0.03
B718523	2	0.2	<10	5070	<0.05	<0.03	<0.02	71.1	<0.05	19	17.4	0.01	0.1	<0.01	27.1	0.1	0.02
B718524	83.3	0.6	20	3820	<0.05	<0.03	0.03	156.5	0.05	21	2.9	<0.01	0.3	0.01	56.6	0.2	0.09
B718525	36.6	0.3	20	935	0.11	0.04	0.07	72.4	0.16	20	7.9	0.01	0.1	<0.01	29	0.4	0.08
B718526	3.9	<0.1	10	8690	<0.05	0.03	<0.02	84.8	<0.05	14	1.5	<0.01	<0.1	<0.01	10.3	<0.1	<0.02
B718527	5	0.1	10	>10000	<0.05	<0.03	<0.02	59.7	<0.05	12	0.7	<0.01	0.1	<0.01	11.2	<0.1	0.02
B718528	256	0.7	20	4700	0.08	<0.03	0.15	71.9	0.26	12	10.9	0.02	0.4	<0.01	60.3	0.7	0.13

Samples B718501 - B718528 – Section 1 (continued)

	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS42	ME-MS42	ME-MS42
SAMPLE	Rb	Sm	Sn	Sr	Ta	Tb	Th	Tm	U	V	W	Y	Yb	Zr	As	Bi	Hg
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
B718501	5880	0.15	123	20.3	518	0.01	2.15	<0.01	7.14	<5	6	0.1	<0.03	37	8.1	0.82	0.005
B718502	2260	0.24	225	9.7	193	0.01	3.37	<0.01	3.32	<5	2	0.2	<0.03	7	0.2	0.03	<0.005
B718503	928	0.46	22	13.5	59.2	0.05	2.85	0.01	2.36	<5	1	0.8	<0.03	11	0.3	0.03	<0.005
B718504																	
B718505	312	0.09	6	72.7	34.8	0.01	2.11	<0.01	2.9	<5	<1	0.2	<0.03	9	4.8	0.05	<0.005
B718506																	
B718507	743	0.22	10	56.7	88.3	0.04	3.75	<0.01	1.54	<5	1	0.6	<0.03	19	0.9	0.03	<0.005
B718508	1160	0.2	51	25.8	31.7	0.02	3.3	<0.01	5.27	<5	1	0.2	<0.03	8	2.4	0.01	<0.005
B718509	758	<0.03	104	7.1	40.8	<0.01	2.75	<0.01	1.99	<5	1	<0.1	<0.03	19	0.5	8.56	<0.005
B718510	673	0.13	65	15.7	33.2	0.03	3.12	<0.01	2.44	<5	5	0.4	0.06	12	0.5	0.47	0.005
B718511	508	0.43	19	25.8	13.8	0.06	1.85	0.03	4.29	<5	3	2.7	0.15	23	0.1	2.6	<0.005
B718512	245	0.46	13	10.9	7.7	0.11	2.28	0.05	10.45	5	19	3.3	0.34	32	0.3	3.77	<0.005
B718513	607	0.1	26	4.9	19.2	0.04	1.79	0.01	3	<5	3	1.5	0.11	19	0.2	3.08	<0.005
B718514	5730	0.03	105	16	597	<0.01	1.26	0.01	8.27	<5	7	0.1	<0.03	22	4.6	0.49	<0.005
B718515	1065	0.14	81	29.8	979	<0.01	1.75	0.02	5.92	7	3	0.4	0.03	27	50.4	0.09	<0.005
B718516	1495	0.18	63	41	476	0.04	1.52	0.02	8.54	<5	3	1.1	0.14	23	12.8	0.11	<0.005
B718517	400	0.15	26	13.8	70.4	0.02	3.04	<0.01	2.71	6	2	0.8	0.04	16	1.6	0.04	<0.005
B718518	25.2	0.95	<1	715	0.8	0.12	0.64	0.03	0.21	31	1	3	0.29	20	12.5	0.08	<0.005
B718519	462	0.2	34	22.2	18.4	0.02	2.16	<0.01	2.09	<5	3	1	0.04	11	0.4	0.83	<0.005
B718520	4910	0.24	42	75.1	984	0.01	2	<0.01	2.85	<5	4	0.2	<0.03	29	7.8	5.65	<0.005
B718521	5170	0.08	51	66.7	810	0.01	1.38	0.01	3.49	<5	2	0.1	<0.03	26	6.2	5.68	<0.005
B718522	4840	0.03	92	38.8	398	<0.01	2.15	<0.01	3.18	<5	1	0.1	<0.03	20	4.3	2.82	<0.005
B718523	5080	0.03	27	6	448	<0.01	3.96	<0.01	9.52	<5	2	<0.1	<0.03	61	0.9	1.57	<0.005
B718524	7870	0.03	170	18	1290	<0.01	1.69	<0.01	<0.05	<5	2	0.2	<0.03	6	4.7	0.82	<0.005
B718525	1295	0.14	36	26.3	717	0.02	0.69	0.01	0.05	<5	1	0.4	0.04	17	9.9	0.6	<0.005
B718526	8380	<0.03	106	10.1	68.7	<0.01	12.95	0.01	5.67	<5	6	<0.1	<0.03	6	5.8	3.89	<0.005
B718527	6640	<0.03	53	7.2	69.9	<0.01	5.65	<0.01	4.15	<5	3	<0.1	<0.03	3	2.9	9.14	<0.005
B718528	3910	0.32	173	38.1	597	0.04	2.8	<0.01	10.9	<5	2	0.5	<0.03	48	4.1	0.54	<0.005

Samples B718501 - B718528 – Section 1 (continued)

	ME-MS42	ME-MS42	ME-MS42	ME-MS42	ME-MS42	ME-MS42	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81
SAMPLE	In	Re	Sb	Se	Te	Tl	Ag	Cd	Co	Cu	Li	Mo	Ni	Pb	Sc	Zn
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
B718501	<0.005	<0.001	3.12	<0.2	<0.01	5.94	<0.5	<0.5	<1	2	5330	1	3	13	<1	8
B718502	<0.005	<0.001	<0.05	<0.2	<0.01	0.66	<0.5	<0.5	<1	<1	5340	<1	1	6	<1	33
B718503	<0.005	<0.001	<0.05	<0.2	<0.01	0.26	<0.5	<0.5	<1	6	50	<1	2	12	<1	7
B718504																
B718505	0.007	<0.001	0.18	<0.2	0.01	0.09	<0.5	<0.5	<1	290	20	<1	1	20	<1	13
B718506																
B718507	<0.005	<0.001	<0.05	<0.2	<0.01	0.13	<0.5	<0.5	1	5	<10	1	3	15	<1	5
B718508	<0.005	<0.001	0.05	<0.2	<0.01	0.39	<0.5	<0.5	<1	18	2850	<1	1	12	<1	19
B718509	<0.005	<0.001	0.07	<0.2	0.18	0.34	<0.5	<0.5	<1	1	>10000	2	5	3	<1	77
B718510	<0.005	<0.001	<0.05	<0.2	0.01	0.24	<0.5	<0.5	<1	<1	50	1	1	8	<1	13
B718511	<0.005	<0.001	<0.05	<0.2	0.03	0.16	<0.5	<0.5	1	<1	40	<1	2	17	1	13
B718512	<0.005	<0.001	<0.05	<0.2	0.02	0.09	<0.5	<0.5	<1	<1	20	<1	<1	10	1	18
B718513	<0.005	<0.001	0.05	<0.2	0.05	0.24	<0.5	<0.5	<1	<1	80	1	2	9	1	24
B718514	<0.005	<0.001	2.52	<0.2	<0.01	6.35	<0.5	<0.5	<1	<1	5050	<1	4	13	<1	13
B718515	<0.005	<0.001	0.72	<0.2	<0.01	1.11	<0.5	<0.5	<1	<1	70	<1	5	6	<1	11
B718516	<0.005	<0.001	0.29	<0.2	<0.01	1.33	<0.5	<0.5	<1	<1	60	1	3	5	<1	17
B718517	<0.005	<0.001	0.09	<0.2	<0.01	0.22	<0.5	<0.5	<1	<1	20	<1	2	6	<1	4
B718518	0.007	<0.001	0.05	<0.2	0.01	0.07	<0.5	<0.5	7	1	30	1	22	17	4	23
B718519	<0.005	<0.001	0.05	<0.2	0.02	0.21	<0.5	<0.5	<1	1	20	2	2	8	<1	11
B718520	<0.005	<0.001	0.09	<0.2	0.02	1.35	<0.5	<0.5	<1	<1	260	<1	2	9	<1	2
B718521	<0.005	<0.001	0.17	<0.2	0.04	1.49	<0.5	<0.5	<1	<1	240	1	2	10	<1	3
B718522	<0.005	<0.001	0.32	<0.2	<0.01	2.51	<0.5	0.5	<1	<1	1870	1	3	16	<1	2
B718523	<0.005	<0.001	0.16	<0.2	<0.01	5.4	<0.5	<0.5	<1	<1	1660	<1	3	12	<1	<2
B718524	<0.005	<0.001	0.22	<0.2	<0.01	3.07	<0.5	<0.5	<1	<1	1230	1	13	42	<1	<2
B718525	<0.005	<0.001	0.15	<0.2	<0.01	1.44	<0.5	<0.5	<1	1	590	1	11	18	1	4
B718526	<0.005	<0.001	0.3	<0.2	<0.01	17.8	<0.5	0.6	<1	<1	4120	<1	1	15	<1	<2
B718527	<0.005	<0.001	0.27	<0.2	0.01	17.6	<0.5	0.6	<1	<1	4670	1	2	8	<1	<2
B718528	<0.005	<0.001	0.34	<0.2	<0.01	2.39	<0.5	<0.5	<1	<1	1010	1	4	13	<1	41

Report Version 1TB21241876 - Finalized
 CLIENT : OPG - Avalon Advanced Materials Inc.
 # of SAMPLES : 7
 DATE RECEIVED : 2021-09-10 DATE FINALIZED : 2021-09-20
 PROJECT : Project 0535
 CERTIFICATE COMMENTS : ***** ORIGINALLY FROM WO: TB21218459 OPG *****

PO NUMBER:

Samples – Section 2

	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L
SAMPLE	Ag	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
B718501	5	19	12	137	1.5	<0.1	<0.8	2.2	0.5	18,500.00	<20	<0.03	0.04	0.03	0.25	54.2	0.05	16.2
B718502	5	<4	15	270	0.6	<0.1	<0.8	0.5	<0.5	193.50	<20	0.03	0.02	<0.03	0.54	55.4	0.24	4.6
B718509	<5	<4	12	161	7.1	<0.1	<0.8	<0.2	<0.5	74.80	<20	<0.03	<0.02	<0.03	0.61	49.3	<0.03	4.8
B718514	7	11	16	420	1.3	<0.1	1	0.5	<0.5	16,650.00	<20	<0.03	<0.02	<0.03	0.22	52.9	<0.03	15.9
B718523	<5	<4	3	350	2.1	<0.1	<0.8	0.2	<0.5	5,540.00	<20	<0.03	<0.02	<0.03	0.21	67.7	<0.03	17.3
B718526	<5	7	4	260	4.7	0.2	<0.8	<0.2	0.6	9,050.00	<20	<0.03	<0.02	<0.03	0.22	78	<0.03	13
B718527	<5	5	7	137.5	8	0.1	0.9	0.2	3.4	>25000	<20	<0.03	<0.02	<0.03	0.36	59.4	<0.03	12.7

	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L
SAMPLE	Ho	In	K	La	Li	Lu	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	Re	Sb	Se
DESCRIPTION	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
B718501	<0.01	<0.3	2.05	1.33	5420	<0.05	0.02	320	<2	58.2	0.5	10	14.3	0.3	4890	<0.01	49.4	<3
B718502	<0.01	<0.3	2.62	0.34	5420	<0.05	0.01	790	<2	204	0.47	10	6.2	0.09	1765	<0.01	<0.3	5
B718509	<0.01	<0.3	1.12	0.17	15500	<0.05	0.02	660	2	49.4	<0.07	<10	3.9	<0.03	652	<0.01	<0.3	9
B718514	<0.01	<0.3	1.99	0.33	5210	<0.05	0.01	390	<2	58.2	0.12	10	14.4	0.09	5030	<0.01	30.5	13
B718523	<0.01	<0.3	1.02	<0.08	1630	<0.05	0.01	220	<2	24.2	<0.07	10	11.9	<0.03	4340	0.01	1.7	12
B718526	<0.01	<0.3	1.44	<0.08	4200	<0.05	0.01	1290	<2	10	<0.07	50	20.5	<0.03	7080	<0.01	1.1	7
B718527	<0.01	<0.3	1.02	0.08	4740	<0.05	0.03	810	3	11.9	<0.07	320	12.5	<0.03	5870	<0.01	1.3	5

	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L	ME-MS89L
SAMPLE	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn
DESCRIPTION	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
B718501	0.13	106	20	520	<0.01	<0.5	1.7	<0.005	36.5	<0.01	6.3	1	6.6	0.2	<0.02	10
B718502	0.08	181	<20	160.5	<0.01	<0.5	3.1	0.005	12.9	<0.01	2.7	1	2.7	0.3	<0.02	30
B718509	<0.04	91	<20	42.5	<0.01	<0.5	2.3	<0.005	5.2	<0.01	1.6	1	0.8	<0.2	<0.02	60
B718514	0.05	111	<20	570	<0.01	<0.5	1	<0.005	32.8	<0.01	6.4	1	7.5	<0.2	<0.02	10
B718523	<0.04	26	<20	487	<0.01	<0.5	3.3	<0.005	33	<0.01	7.5	2	2	<0.2	<0.02	<10
B718526	<0.04	86	<20	60	<0.01	0.7	10.5	<0.005	48.6	<0.01	4.6	1	5	<0.2	<0.02	<10
B718527	<0.04	57	<20	70.4	<0.01	<0.5	5.3	<0.005	43.2	<0.01	3.7	2	3.7	<0.2	<0.02	<10

APPENDIX 3: SOIL SAMPLE LOCATIONS

Soil Sampling Log

E	N	Sample #	Soil	Vegetation	Date sampled	Line	Depth	Notes	Sampled by
411705	5722748	B719002	Silt, clay	Spruce stand	29th June 2021	411700	21cm		Kelvin W/Tyrese
411700	5722801	B719003	silt, sand	Spruce stand	29th June 2021	411700	10cm	rocky under peat	Kelvin W/Tyrese
411700	5722859	B719004	coarse silt, sand	rock outcrop	29th June 2021	411700	25-75 cm		Kelvin W/Tyrese
411700	5722934	B719005	silt, sand	spruce stand	29th June 2021	411700	10cm	coarse sand	Kelvin W/Tyrese
411703	5723012	B719006	coarse loam	spruce stand	29th June 2021	411700	36cm	coarse loam	Kelvin W/Tyrese
411699	5723045	B719007	coarse sand	spruce stand	29th June 2021	411700	37cm	coarse loam	Kelvin W/Tyrese
411705	5723126	B719008	coarse sand, silt, loam	spruce stand	29th June 2021	411700	17cm	coarse sand silt	Kelvin W/Tyrese
411576	5722763	B719009	peaty roots	labrador tea thick moss overburden	2nd July 2021	Poll Dyke Hole 2	5cm down from vegetation	peaty, roots top layer	Kelvin
411576	5722763	B719010	black clay, peat	labrador tea thick moss overburden	2nd July 2021	Poll Dyke Hole 2	5cm down	black organic layer	Kelvin
411576	5722763	B719011	medium sand	labrador tea thick moss overburden	2nd July 2021	Poll Dyke Hole 2	4cm down	lighter grey, equigranular, medium-fine sand	Kelvin
411576	5722763	B719012	medium sand	labrador tea thick moss overburden	2nd July 2021	Poll Dyke Hole 2	4cm down	olive coloured equigranular medium-fine sand, no gravel	Kelvin
411576	5722763	B719013	medium sand	labrador tea thick moss overburden	2nd July 2021	Poll Dyke Hole 2	3cm down	brownish coloured sand 10-15cm thick	Kelvin
411576	5722763	B719014	black sandy, clay, peat layer	labrador tea thick moss overburden	2nd July 2021	Poll Dyke Hole 2	lenses in sand layer	burnt black/brown layer as lenses in sand layer, just above water table	Kelvin
411576	5722763	B719015	medium sand	labrador tea thick moss overburden	2nd July 2021	Poll Dyke Hole 2	yellow brown sand in water		Kelvin
411621	5722773	B719016	coarse sand	labrador tea thick moss overburden	2nd July 2021	Poll Dyke Hole 1	grey coarser sand layer at top, no organic layer		Kelvin
411621	5722773	B719017	"organic layer"	labrador tea thick moss overburden	2nd July 2021	Poll Dyke Hole 1	5cm down		Kelvin
411621	5722773	B719018	coarse sand, small gravel	labrador tea thick moss overburden	2nd July 2021	Poll Dyke Hole 1		lighter brown	Kelvin
411621	5722773	B719019	coarse sand, small gravel	labrador tea thick moss overburden	2nd July 2021	Poll Dyke Hole 1		reddish brown	Kelvin
411788	5721144	B719020	rusty brown medium sand with gravel 22mm to 1cm	overburden, labrador tea	30th July 2021	Spodumene Dyke	5cm		Richard Brett
411788	5721144	B719021	rusty brown medium sand with gravel 22mm to 1cm		30th July 2021	Spodumene Dyke	10cm		Richard Brett
411788	5721144	B719022	rusty brown medium sand with gravel 22mm to 1cm		30th July 2021	Spodumene Dyke	15cm		Richard Brett
411788	5721144	B719023	rusty brown medium sand with gravel 22mm to 1cm		30th July 2021	Spodumene Dyke	20cm		Richard Brett
411788	5721144	B719024	rusty brown medium sand with gravel 22mm to 1cm		30th July 2021	Spodumene Dyke	25cm		Richard Brett
411400	5722850	B719025			1st of August 2021	Line 411400	8cm depth		Kelvin/Pius
411399	5722801	B719026			1st of August 2021	Line 411400	55cm depth		Kelvin/Pius

E	N	Sample #	Soil	Vegetation	Date sampled	Line	Depth	Notes	Sampled by
411411	5722746	B719027			1st of August 2021	Line 411400	78cm depth		Kelvin/Pius
411405	5722650	B719028			1st of August 2021	Line 411400			Kelvin/Pius
411395	5722602	B719029			1st of August 2021	Line 411400	20cm depth		Kelvin/Pius
411402	5722550	B719030			1st of August 2021	Line 411400			Kelvin/Pius
411499	5722807	B719031			1st of August 2021	Line 411500			Kelvin/Pius
411496	5722866	B719032			1st of August 2021	Line 411500			Kelvin/Pius
411496	5722924	B719033			1st of August 2021	Line 411500			Kelvin/Pius
411597	5722903	B719034			1st of August 2021	Line 411600	15cm depth		Kelvin/Pius
411601	5722855	B719035			1st of August 2021	Line 411600			Kelvin/Pius
411600	5722800	B719036			1st of August 2021	Line 411600	15cm depth		Kelvin/Pius
411597	5722598	B719037			1st of August 2021	Line 411600	30cm depth		Kelvin/Pius
411696	5722604	B719038			1st of August 2021	Line 411700			Kelvin/Pius
411693	5722660	B719039			1st of August 2021	Line 411700	10cm depth		Kelvin/Pius
411697	5722698	B719040			1st of August 2021	Line 411700			Kelvin/Pius
414194	5722702	B719041	olive, orange, brown		2nd August 2021	Line 414200	5cm depth		Kelvin/Pius
414193	5722828	B719042	orange		2nd August 2021	Line 414200	10cm depth		Kelvin/Pius
414190	5722908	B719043	olive, yellow, orange		2nd August 2021	Line 414200	45cm depth		Kelvin/Pius
414196	5722962	B719044	orange, brown		2nd August 2021	Line 414200	3cm depth		Kelvin/Pius
414187	5723015	B719045	light brown		2nd August 2021	Line 414200	5cm depth		Kelvin/Pius
414206	5723054	B719046	light brown		2nd August 2021	Line 414200	2cm depth		Kelvin/Pius
414203	5723103	B719047	brown, orange		2nd August 2021	Line 414200	5cm depth		Kelvin/Pius
413996	5723049	B719048	olive		2nd August 2021	Line 414000	10cm depth		Kelvin/Pius
414000	5722951	B719049	light yellow, brown		2nd August 2021	Line 414000	5cm depth		Kelvin/Pius
413999	5722854	B719050	brown, light brown		2nd August 2021	Line 414000	5cm depth		Kelvin/Pius
414000	5722801	B719051	brown, orange		2nd August 2021	Line 414000	3cm depth		Kelvin/Pius
414000	5722750	B719052	olive		2nd August 2021	Line 414000	30cm depth		Kelvin/Pius
413800	5722708	B719053	brown		2nd August 2021	Line 414000	20cm depth		Kelvin/Pius
412599	5722707	B719054	olive coarse sand		3rd August 2021	Line 412600	22.5cm depth		Kelvin/Pius
412597	5722754	B719055	dark brown, red coarse sand		3rd August 2021	Line 412600	5cm depth		Kelvin/Pius
412598	5722800	B719056	red orange, dark brown silt, sand		3rd August 2021	Line 412600	5cm depth		Kelvin/Pius
412600	5722850	B719057	Olive sand, clay		3rd August 2021	Line 412600	30cm depth		Kelvin/Pius
412594	5722950	B719058	Olive silt, clay		3rd August 2021	Line 412600	24cm depth		Kelvin/Pius
412600	5722998	B719059	Yellow clay		3rd August 2021	Line 412600	30cm depth		Kelvin/Pius
412747	5723056	B719060	red brown, light brown		3rd August 2021	Line 412750	13cm depth		Kelvin/Pius
412750	5723005	B719061	light brown silt, clay		3rd August 2021	Line 412750	12cm depth		Kelvin/Pius
412753	5722852	B719062	orange/brown, yellow, olive		3rd August 2021	Line 412750	13cm depth		Kelvin/Pius
412747	5722802	B719063	grey, yellow, olive, yellow silt, clay		3rd August 2021	Line 412750	10cm depth		Kelvin/Pius

E	N	Sample #	Soil	Vegetation	Date sampled	Line	Depth	Notes	Sampled by
412753	5722743	B719064	Brown sand, silt		3rd August 2021	Line 412750	10cm depth		Kelvin/Pius
412751	5722700	B719065	olive, grey, yellow		3rd August 2021	Line 412750	5cm depth		Kelvin/Pius
412750	5722647	B719066	grey olive clay		3rd August 2021	Line 412750	52cm depth		Kelvin/Pius
412750	5722598	B719067	light brown clay		3rd August 2021	Line 412750	23cm depth		Kelvin/Pius
412599	5722504	B719068	orange, yellow, brown sand, clay		3rd August 2021	Line 412600	30cm depth		Kelvin/Pius
412590	5722552	B719069	light brown coarse sand		3rd August 2021	Line 412600	5cm depth		Kelvin/Pius
412597	5722623	B719070	light brown		3rd August 2021	Line 412600	5cm depth		Kelvin/Pius
413805	5722856	B719071	light grey coarse sand		4th August 2021	Line 413800	35cm depth		Kelvin/Pius
413801	5722904	B719072	Yellow silt/sand		4th August 2021	Line 413800	35cm depth		Kelvin/Pius
413800	5722954	B719073	Grey sand/clay		4th August 2021	Line 413800	5cm depth		Kelvin/Pius
413803	5723002	B719074	orange, brown silt/sand		4th August 2021	Line 413800	5cm depth		Kelvin/Pius
413799	5723047	B719075	orange, light brown		4th August 2021	Line 413800	5cm depth		Kelvin/Pius
413803	5723099	B719076	light brown silt, loam		4th August 2021	Line 413800	5cm depth		Kelvin/Pius
413604	5723100	B719077	light yellow, grey		4th August 2021	Line 413600	10cm depth		Kelvin/Pius
413600	5723056	B719078	Orange silt		4th August 2021	Line 413600	7cm depth		Kelvin/Pius
413599	5722994	B719079	dark grey, olive brown coarse sand, silt		4th August 2021	Line 413600	10cm depth		Kelvin/Pius
413597	5722898	B719080	grey, dark brown, reddish silt, sand		4th August 2021	Line 413600	5cm depth		Kelvin/Pius
413601	5722748	B719081	orange silt, sand		4th August 2021	Line 413600	5cm depth		Kelvin/Pius
413398	5722705	B719082	yellow, brown sand, silt		4th August 2021	Line 413600	30cm depth		Kelvin/Pius
413399	5722799	B719083	olive green, brown		4th August 2021	Line 413400	10cm depth		Kelvin/Pius
413403	5722853	B719084	olive grey, yellowish orange		4th August 2021	Line 413400	30cm depth		Kelvin/Pius
413396	5722898	B719085	grey, yellow clay, sand		4th August 2021	Line 413400	44cm depth		Kelvin/Pius
413400	5722947	B719086	olive, grey, yellowish silt, sand		4th August 2021	Line 413400	15cm depth		Kelvin/Pius
413406	5722997	B719087	yellow, olive		4th August 2021	Line 413400	30cm depth		Kelvin/Pius
413399	5723046	B719088	olive, grey, light grey		4th August 2021	Line 413400	25cm depth		Kelvin/Pius
413200	5723007	B719089	dark grey, olive brown		4th August 2021	Line 413200	30cm depth		Kelvin/Pius
413200	5722950	B719090	grey, olive clay		4th August 2021	Line 413200	35cm depth		Kelvin/Pius
412402	5722699	B719091	Grey sand, silt		6th August 2021	Line 412400	5cm depth		Kelvin/Pius
412401	5722748	B719092	orange, yellowish silt, sand		6th August 2021	Line 412400	5cm depth		Kelvin/Pius
412406	5722951	B719093	yellow, light grey silt, sand		6th August 2021	Line 412400	5cm depth		Kelvin/Pius
412400	5723051	B719094	brown, orange, light grey silt, sand		6th August 2021	Line 412400	5cm depth		Kelvin/Pius
412399	5723100	B719095	brown, orange sand		6th August 2021	Line 412400	10cm depth		Kelvin/Pius

APPENDIX 4: SOIL SAMPLE ANALYSIS

Report Version : TB21182523 - Finalized / TB21210326 - Finalized

CLIENT : OPG - Avalon Advanced Materials Inc.

of SAMPLES : 18 + 76 = 94 Total

DATE RECEIVED : 2021-07-14 / 2021-08-11 DATE FINALIZED : 2021-08-12 / 2021-09-13

PROJECT : Project 0535

CERTIFICATE COMMENTS : ME-MS41L: Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).

PO NUMBER :

Section 1

SAMPLE	MATERIAL	WEI-21 Recvd Wt.	ME- MS41L Au	ME- MS41L Ag	ME- MS41L Al	ME- MS41L As	ME- MS41L B	ME- MS41L Ba	ME- MS41L Be	ME- MS41L Bi	ME- MS41L Ca	ME- MS41L Cd	ME- MS41L Ce	ME- MS41L Co	ME- MS41L Cr	ME- MS41L Cs	ME- MS41L Cu
DESCRIPTION	TYPE	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
B719002	Soil	0.04	0.0039	0.014	1.66	213	10	23.5	0.36	0.142	0.16	0.028	29.8	7.57	35.2	10.45	23
B719003	Soil	0.07	0.0002	0.011	1.52	12.9	<10	30.5	0.2	0.313	0.39	0.04	25.2	8.48	34.9	6.71	11.75
B719004	Soil	0.06	<0.0002	0.02	0.76	20.3	<10	26.6	0.14	0.164	0.4	0.102	25.8	6.44	27.7	16.4	5.38
B719005	Soil	0.08	0.0002	0.012	1.14	3.17	<10	35.5	0.24	0.287	0.21	0.102	25	5.11	24	4	6.48
B719006	Soil	0.11	0.0004	0.034	1.57	13.5	<10	38.5	0.25	0.34	0.68	0.119	55.2	18.5	43.7	7.42	18.95
B719007	Soil	0.12	0.0004	0.018	1.11	7.9	10	29.5	0.21	0.334	0.57	0.106	28.3	9.17	41	4.84	9.92
B719008	Soil	0.1	0.0007	0.015	2.46	17.85	10	32.3	0.62	0.377	0.33	0.081	39	16	51.9	3.45	14.4
B719009	Soil	0.05	0.0021	0.182	0.3	1.8	<10	46.5	0.08	0.127	0.22	0.46	5.82	1.165	2.89	86.7	4.48
B719010	Soil	0.08	0.0035	0.095	0.88	3.01	<10	54.4	0.24	0.0646	0.13	0.036	17	0.665	4.39	15.9	5
B719011	Soil	0.23	0.0007	0.021	0.35	2.2	<10	13.8	0.06	0.243	0.05	0.009	17.15	0.272	7.02	27.3	3.8
B719012	Soil	0.26	0.0006	0.015	0.39	4.85	<10	10.5	0.06	0.285	0.05	0.003	18.1	0.428	7.5	22.9	1.56
B719013	Soil	0.25	0.0004	0.019	0.56	10.5	<10	8.9	0.1	0.251	0.07	0.006	19.6	0.851	10.15	15.6	2.7
B719014	Soil	0.21	0.001	0.031	1.65	16.85	<10	17.8	0.27	0.198	0.17	0.015	37.6	3.13	26.2	11.6	6.19
B719015	Soil	0.2	0.0011	0.059	2.65	18.1	<10	16.8	0.57	0.222	0.31	0.03	72.4	7.24	29.2	15.6	11.4
B719016	Soil	0.15	0.0003	0.017	0.5	6.65	<10	15.7	0.06	0.263	0.03	0.227	8.26	1.145	10.55	5.84	3.42
B719017	Soil	0.21	0.0007	0.028	4.49	16.45	<10	26	1.09	0.25	0.08	1.505	38.6	12.15	58.6	12.65	22.3
B719018	Soil	0.29	0.0014	0.01	5.35	26.7	10	30	1.56	0.32	0.1	0.548	57.9	15.8	71.7	11.5	26.4
B719019	Soil	0.23	0.0033	0.017	6.88	65.2	10	40.5	2.04	0.402	0.16	0.348	99.5	15.1	71.3	9.65	29.6
B719020	Soil	0.19	0.0036	0.066	0.86	35.5	<10	28.2	0.2	0.22	0.06	0.112	12.5	3.82	19.45	2.84	6.93
B719021	Soil	0.27	0.0045	0.055	1.68	39.2	<10	37.9	0.52	0.24	0.12	0.15	18.85	9.62	36.1	4.29	15.5
B719022	Soil	0.27	0.004	0.038	2.16	30.2	<10	36.9	0.7	0.216	0.25	0.151	36.1	17.4	43.3	3.75	27.3
B719023	Soil	0.34	0.0025	0.044	2.12	30.1	<10	39.9	0.67	0.225	0.24	0.152	36	16.8	44.5	4.36	26.6
B719024	Soil	0.31	0.0068	0.045	2.09	28.2	<10	38.4	0.65	0.206	0.2	0.146	30.6	15.75	39.6	4.34	24
B719025	Soil	0.14	0.0019	0.129	0.61	4.13	<10	23.2	0.11	0.225	0.06	0.082	23.4	2.9	14.5	1.865	8.46
B719026	Soil	0.25	0.0011	0.248	1.81	30.9	<10	84.6	0.64	0.384	1.35	0.163	97.3	11.5	43	9.44	85.1
B719027	Soil	0.14	0.0013	0.01	0.3	23.1	<10	6.5	0.03	0.319	0.05	0.049	2.52	2.06	9.04	5.47	3.67
B719028	Soil	0.24	0.0008	0.06	0.7	11.6	<10	18.9	0.09	0.35	0.06	0.102	10.2	3.83	95.6	19.35	6.21
B719029	Soil	0.2	0.0006	0.031	1.43	21.2	<10	49.5	0.16	0.294	0.06	0.128	9.33	5.36	26.1	10.85	8.07
B719030	Soil	0.26	0.0006	0.032	0.71	13.05	<10	15.1	0.12	0.154	0.07	0.082	14.35	2.01	13.8	3.91	6.02
B719031	Soil	0.26	0.0011	0.041	1.17	23	10	32.3	0.28	0.278	0.76	0.088	23.5	9.5	36.4	7.2	8.96
B719032	Soil	0.25	0.0213	0.035	1.65	11.6	<10	44.7	0.36	0.173	0.23	0.099	33.2	13	49.3	4.38	23.9
B719033	Soil	0.23	0.0005	0.024	0.97	2.73	<10	22.1	0.14	0.203	0.11	0.127	19.4	4.61	21.2	1.285	6.68
B719034	Soil	0.29	0.0006	0.066	1.18	9.83	<10	40	0.35	0.37	0.5	0.089	74.5	9.66	31.3	3.9	24.2
B719035	Soil	0.35	0.0006	0.014	0.63	1.6	<10	21.2	0.11	0.186	0.31	0.083	15.9	3.12	16.45	4.19	3.91

		WEI-21	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
SAMPLE	MATERIAL	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
DESCRIPTION	TYPE	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
B719036	Soil	0.28	0.0009	0.058	0.97	219	<10	41.3	0.35	0.349	0.55	0.15	86.2	10.5	52.9	17.15	33.3
B719037	Soil	0.43	0.0008	0.02	0.94	12.6	<10	26.2	0.27	0.116	0.28	0.033	37.6	6.69	22.3	3.06	14.9
B719038	Soil	0.26	0.0007	0.003	0.66	6.85	<10	11.1	0.16	0.0798	0.15	0.012	19.5	3.99	15.85	1.755	7.91
B719039	Soil	0.22	0.0007	0.006	1.12	4.67	<10	21.7	0.15	0.198	0.06	0.092	11.95	1.62	13.75	2.06	3.24
B719040	Soil	0.19	0.0004	0.038	0.8	26.8	<10	20.2	0.17	0.207	0.15	0.057	25.2	3.18	20.7	5.99	21.6
B719041	Soil	0.21	0.0454	0.007	1.25	10.7	<10	41.3	0.25	0.112	0.2	0.045	24.6	10.95	29.5	3.81	11.25
B719042	Soil	0.31	0.0019	0.004	1.24	10.1	<10	25.9	0.3	0.151	0.1	0.061	30.8	7.43	25	3.25	6.71
B719043	Soil	0.45	0.0012	0.035	0.86	24.8	<10	30.2	0.29	0.107	0.42	0.045	42.7	8.17	25.3	3.31	20.6
B719044	Soil	0.28	0.0049	0.028	2.13	9.71	<10	49.9	0.46	0.18	0.14	0.09	22.3	13.1	38.3	4.39	18.1
B719045	Soil	0.3	0.0003	0.012	1.08	1.31	<10	34	0.26	0.0899	0.16	0.028	19.35	4.78	20.3	1.305	4.16
B719046	Soil	0.41	0.0007	0.012	1.26	1.98	<10	43.7	0.45	0.0933	0.28	0.036	39.5	6.32	25.8	0.87	6.51
B719047	Soil	0.37	0.0002	0.012	0.98	1.56	<10	36.4	0.31	0.0838	0.27	0.062	31.7	5.02	20.9	0.885	5.34
B719048	Soil	0.38	0.0007	0.023	0.79	3.6	10	29.3	0.28	0.0861	2.93	0.028	37.7	5.22	23.6	1.095	10.8
B719049	Soil	0.4	0.0011	0.021	0.59	12.7	10	21	0.2	0.0729	6.07	0.025	33.9	5.72	17.5	0.967	22.8
B719050	Soil	0.34	0.0013	0.027	1.14	13.4	<10	28.1	0.32	0.146	0.65	0.034	44.2	8.52	26.8	2.29	12.8
B719051	Soil	0.31	0.0005	0.021	1.05	8.42	<10	29.5	0.19	0.153	0.07	0.06	12.55	3.29	17.7	1.455	5.94
B719052	Soil	0.18	0.0009	0.034	0.69	2.74	10	25.4	0.23	0.0627	4.35	0.07	33.8	4.72	24.2	1.125	9.9
B719053	Soil	0.39	0.001	0.03	1	16	<10	35.3	0.24	0.143	0.53	0.052	41.8	6.24	29.7	2.62	13.5
B719054	Soil	0.36	0.0013	0.059	1.01	17.8	<10	25.9	0.25	0.168	1.36	0.093	48.8	12.85	33	8.5	36.7
B719055	Soil	0.29	0.0005	0.032	1.19	46.4	<10	34.9	0.19	0.176	0.12	0.076	15.6	7.62	28.1	4.53	12.8
B719056	Soil	0.19	0.0011	0.014	0.92	267	<10	14.9	0.17	0.259	0.02	0.04	11	0.628	15.2	10.5	6.76
B719057	Soil	0.3	0.0022	0.038	1.4	63.5	10	58.4	0.56	0.148	1.54	0.086	71.7	11.15	36.5	18.9	28
B719058	Soil	0.5	0.0018	0.019	0.61	3.91	10	21.8	0.2	0.0684	7.51	0.027	30.9	3.93	17.4	1.1	12.2
B719059	Soil	0.37	0.0015	0.029	0.84	2.65	10	36.6	0.3	0.07	5.17	0.056	36.8	5.24	22.5	0.883	11.35
B719060	Soil	0.34	0.0025	0.033	1.29	8.32	<10	36.4	0.32	0.126	0.4	0.062	45.1	10.25	29	2.4	17.4
B719061	Soil	0.36	0.0454	0.012	0.72	4.93	<10	12.7	0.16	0.102	0.16	0.014	25	4.5	19.1	1.165	16.15
B719062	Soil	0.27	0.0056	0.013	1.47	15.7	10	45.3	0.41	0.124	0.24	0.046	38.6	9.51	34.5	16.85	15.5
B719063	Soil	0.34	0.0019	0.032	1.26	36.1	10	48.4	0.45	0.0772	2.17	0.034	43.8	6.3	29.8	14.2	9.96
B719064	Soil	0.21	0.0011	0.013	1.61	49.3	<10	40.9	0.46	0.183	0.37	0.242	40	9.02	24.7	5.3	10.8
B719065	Soil	0.49	0.0017	0.02	0.71	2.6	10	26.4	0.25	0.0863	6.2	0.035	36.8	4.56	20.1	1.02	10.6
B719066	Soil	0.25	0.002	0.04	1.04	8.36	10	35.8	0.35	0.0995	0.67	0.189	42	5.66	25.9	6.26	19.6
B719067	Soil	0.42	0.0011	0.02	0.75	23.4	10	29.8	0.26	0.0721	8.31	0.038	34.3	4.53	20	2.47	12.5
B719068	Soil	0.27	0.0011	0.025	0.92	17.05	<10	23.3	0.29	0.103	0.63	0.039	51.7	7.68	24.3	3.82	13.5
B719069	Soil	0.34	0.0008	0.02	0.83	3.14	<10	29	0.25	0.0825	0.67	0.047	35.1	5.45	21.2	0.782	6.1
B719070	Soil	0.46	0.0014	0.016	1.1	9.75	<10	18.5	0.31	0.103	0.47	0.037	47.1	5.69	24.4	1.235	8.17
B719071	Soil	0.24	0.001	0.024	0.58	3.53	10	19.5	0.23	0.0732	3.7	0.038	36.8	3.65	20.4	0.613	7.87
B719072	Soil	0.23	0.001	0.02	1.55	72.9	<10	29.9	0.53	0.176	0.89	0.076	82.7	8.11	30	8.15	38.4
B719073	Soil	0.41	0.0013	0.031	0.77	15.7	10	30	0.26	0.0838	6.47	0.041	39.8	5.5	21.3	5.39	14.85
B719074	Soil	0.37	0.0002	0.015	0.6	62.6	<10	10	0.13	0.19	0.06	0.028	13.35	1.945	12.5	7.28	5.85
B719075	Soil	0.39	0.0004	0.013	0.92	2.66	<10	21.5	0.3	0.0662	0.22	0.016	28.9	4.27	19	3.98	4.51
B719076	Soil	0.52	0.0009	0.019	1.15	2.38	<10	31.9	0.36	0.102	0.22	0.038	39.3	5.41	24.4	0.934	8.04
B719077	Soil	0.51	0.0008	0.017	0.63	2.37	10	21.3	0.23	0.0654	8.69	0.036	31.3	3.55	17.4	0.64	9.01
B719078	Soil	0.38	0.0009	0.023	1.13	3.46	10	43.1	0.39	0.0991	6	0.049	43.2	6.36	27.5	2.03	14.35
B719079	Soil	0.19	0.0005	0.027	0.83	27	<10	46.3	0.24	0.168	1.12	0.197	23.7	5.37	15.45	5.49	13.65
B719080	Soil	0.25	0.0008	0.005	0.81	23.8	<10	15.5	0.19	0.13	0.11	0.028	15.8	3.81	18.05	8.91	7.55

		WEI-21	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
SAMPLE	MATERIAL	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
DESCRIPTION	TYPE	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
B719081	Soil	0.28	0.0047	0.013	1.73	18.4	<10	28.2	0.38	0.158	0.14	0.056	30.1	10.2	45.3	2.53	16.95
B719082	Soil	0.37	0.001	0.037	1.57	5.68	10	64.5	0.55	0.14	0.87	0.09	49.9	8.68	38.4	2.07	19.1
B719083	Soil	0.36	0.0006	0.028	0.94	36.9	<10	28.6	0.27	0.134	0.35	0.06	47.9	10.9	25.5	6.96	15.45
B719084	Soil	0.33	0.0009	0.017	1.14	4.18	10	42.8	0.41	0.114	0.49	0.021	45.4	6.6	28.4	3.92	9.7
B719085	Soil	0.4	0.0009	0.027	0.8	6.8	<10	28.8	0.27	0.0962	0.59	0.076	33.4	5.24	18.75	6.09	9.17
B719086	Soil	0.34	0.0008	0.027	0.62	4	10	24	0.2	0.0768	4.25	0.051	35.9	5.03	18.15	2.74	14.35
B719087	Soil	0.38	0.0012	0.021	0.65	2.21	10	25.6	0.24	0.0788	4.56	0.029	40.9	3.92	19.65	0.831	9.13
B719088	Soil	0.41	0.0003	0.03	0.78	3.36	<10	34	0.28	0.0767	0.83	0.094	37.2	4.41	20	5.7	10.95
B719089	Soil	0.2	0.0015	0.007	0.73	7.06	<10	16	0.13	0.148	0.07	0.043	16.85	1.825	13.25	4.68	7.71
B719090	Soil	0.32	0.0006	0.027	0.79	8.66	10	32	0.24	0.0642	0.92	0.124	33.2	3.5	19.15	4.03	11.3
B719091	Soil	0.32	0.0017	0.024	0.68	10.3	10	21.6	0.19	0.253	3.68	0.04	37.3	4.53	19.4	4.83	10.95
B719092	Soil	0.39	0.0007	0.018	1.71	7.13	<10	26.1	0.38	0.123	0.11	0.066	25	8.03	27.8	3.05	8.24
B719093	Soil	0.45	0.0009	0.032	0.89	4.03	10	42.3	0.31	0.149	6.33	0.03	43.8	6.65	28.9	1.745	23.9
B719094	Soil	0.32	0.0002	0.004	0.27	4.55	<10	8.2	0.05	0.18	0.08	0.022	10.45	1.365	11.45	2.63	2.75
B719095	Soil	0.18	0.0036	0.036	1.48	26	<10	52.6	0.35	0.254	0.76	0.1	45.3	13.65	47.2	5.15	21.4

Section 2

		ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
SAMPLE	MATERIAL	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
DESCRIPTION	TYPE	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
B719002	Soil	2.04	4.9	0.065	0.104	0.019	0.014	0.05	15.75	26.9	0.34	108.5	0.52	0.011	2.82	24.8	0.019
B719003	Soil	4.21	20.4	0.064	0.257	0.008	0.013	0.03	13.1	23.7	0.51	238	1.23	0.009	5.82	18.2	0.013
B719004	Soil	1.85	4.34	0.046	0.058	0.021	0.01	0.05	12.75	27.9	0.32	300	0.59	0.01	3.09	10.7	0.016
B719005	Soil	1.53	7.79	0.043	0.109	0.017	0.013	0.04	12.8	28.3	0.3	121.5	0.83	0.007	3.65	8.82	0.009
B719006	Soil	4.23	11	0.131	0.103	0.012	0.017	0.16	25.9	54.7	0.95	563	0.78	0.013	6.47	23.3	0.076
B719007	Soil	3.46	8.38	0.073	0.105	0.011	0.016	0.11	14.25	34.5	0.47	166	0.51	0.01	4.08	16.55	0.02
B719008	Soil	4.5	11.3	0.098	0.198	0.018	0.027	0.09	19	75.3	0.82	337	0.93	0.01	5.45	27	0.047
B719009	Soil	0.246	0.818	0.042	0.014	0.164	0.006	0.1	2.74	0.6	0.05	35.4	0.26	0.014	0.391	3.5	0.052
B719010	Soil	0.36	0.885	0.03	0.004	0.233	<0.005	0.02	10.6	0.4	0.02	8	0.47	0.01	0.242	6.31	0.076
B719011	Soil	0.138	3.82	0.023	0.02	0.012	<0.005	0.02	8.67	1.7	0.02	13	0.76	0.007	2.17	1.22	0.008
B719012	Soil	0.238	5.54	0.028	0.043	0.008	<0.005	0.03	9.14	2.7	0.03	16.1	0.65	0.005	3.76	1.33	0.008
B719013	Soil	0.67	6.43	0.037	0.054	0.018	0.008	0.03	10	4.9	0.06	22.5	0.85	0.006	4.04	2.12	0.013
B719014	Soil	2.7	6.94	0.077	0.067	0.038	0.015	0.03	18.9	20.4	0.22	66.4	0.84	0.007	4.75	8.19	0.047
B719015	Soil	3	3.5	0.13	0.119	0.029	0.019	0.04	36.6	25.6	0.3	122	0.59	0.01	4.49	16.25	0.086
B719016	Soil	0.96	6.69	0.016	0.049	0.024	0.007	0.02	4.14	2	0.04	22.1	0.68	0.005	2.15	2.16	0.015
B719017	Soil	4.28	7.45	0.091	0.339	0.09	0.039	0.06	17.9	53.3	0.49	176.5	0.7	0.007	5.76	21.8	0.052
B719018	Soil	5.01	8.69	0.107	0.669	0.049	0.044	0.06	23	58	0.51	202	0.95	0.007	6.54	30.7	0.052
B719019	Soil	4.33	4.72	0.14	0.815	0.075	0.05	0.05	39.4	32.5	0.25	355	0.96	0.009	4.22	23	0.069
B719020	Soil	2	8.58	0.029	0.046	0.02	0.011	0.05	5.94	10.6	0.17	69.9	0.87	0.01	2.1	10.2	0.023
B719021	Soil	3.48	10.35	0.046	0.082	0.029	0.018	0.07	7.85	30.5	0.37	149	1.2	0.004	3.14	19	0.036
B719022	Soil	4.77	10.4	0.068	0.13	0.027	0.02	0.09	13.75	52.3	0.61	296	1.8	0.005	3.42	25.2	0.057
B719023	Soil	4.41	10.35	0.064	0.111	0.023	0.022	0.11	14.7	50	0.61	291	2.23	0.005	3.26	28.2	0.054
B719024	Soil	4.12	9.96	0.056	0.11	0.027	0.024	0.1	12.25	44.2	0.53	252	1.41	0.003	3.03	26.6	0.048
B719025	Soil	0.9	6.25	0.031	0.024	0.028	0.009	0.04	12.4	6.5	0.16	68.5	0.71	<0.001	1.765	6.73	0.017
B719026	Soil	2.64	6.1	0.117	0.036	0.101	0.023	0.09	59	32.2	0.52	465	1	0.002	1.885	29.2	0.072
B719027	Soil	0.96	5.22	0.02	0.047	0.011	<0.005	0.05	1.315	9.7	0.16	68	1.1	<0.001	0.516	5.76	0.014
B719028	Soil	1.5	7.45	0.023	0.029	0.015	0.007	0.05	5.39	12.5	0.36	68.5	1.32	<0.001	1.96	21.5	0.014
B719029	Soil	4.54	9.29	0.045	0.062	0.018	0.018	0.29	4.94	30.1	0.69	164	2.05	0.001	1.595	10.1	0.018
B719030	Soil	1.02	5.02	0.019	0.038	0.023	0.009	0.02	7.7	8.9	0.12	51.2	0.59	<0.001	1.715	5.49	0.013
B719031	Soil	2.6	6.71	0.071	0.067	0.031	0.016	0.11	12.1	39.7	0.64	253	1.28	0.004	3.03	19.35	0.032
B719032	Soil	2.39	6.6	0.054	0.081	0.028	0.02	0.06	17.5	44.4	0.52	178	0.32	0.001	2.13	26.7	0.017
B719033	Soil	1.2	6.55	0.03	0.036	0.036	0.013	0.03	10.35	20.1	0.33	107	0.54	<0.001	2.37	8.96	0.015
B719034	Soil	2.15	5.25	0.096	0.069	0.035	0.017	0.07	40	37.6	0.52	295	0.36	0.004	2.86	20.3	0.032
B719035	Soil	1.01	5.53	0.023	0.072	0.015	0.008	0.04	8.44	10.8	0.25	81.8	0.61	<0.001	3.43	7.36	0.007
B719036	Soil	4.28	5.06	0.15	0.031	0.024	0.015	0.13	43.9	26.7	0.42	402	0.7	0.003	2.59	39.1	0.102
B719037	Soil	1.4	3.01	0.064	0.048	0.011	0.012	0.03	18.45	16.1	0.3	142	0.25	<0.001	1.73	16.1	0.054
B719038	Soil	1.05	2.8	0.036	0.043	0.011	0.009	0.02	10.05	11.5	0.19	75	0.23	<0.001	1.665	9.03	0.028
B719039	Soil	1	6.97	0.019	0.028	0.037	0.012	0.02	6.11	8.5	0.11	37.5	0.68	<0.001	2.52	3.95	0.015
B719040	Soil	1.26	5.24	0.047	0.025	0.029	0.013	0.04	13.65	5.1	0.13	82.8	0.6	<0.001	2.73	7.34	0.042
B719041	Soil	1.62	4.78	0.039	0.078	0.017	0.014	0.04	12.95	22.1	0.32	113	0.36	0.001	1.915	26.9	0.02
B719042	Soil	1.66	5.84	0.041	0.06	0.018	0.015	0.03	15.45	21.4	0.24	85.9	0.52	<0.001	2.25	13.9	0.013
B719043	Soil	1.44	3.17	0.077	0.124	0.02	0.013	0.09	24.1	16.8	0.4	121.5	0.2	0.003	1.485	23.5	0.056
B719044	Soil	2.46	6.34	0.039	0.116	0.025	0.02	0.12	12.35	31.1	0.54	148.5	0.69	0.002	2.04	29.3	0.03
B719045	Soil	1.28	4.46	0.027	0.036	0.011	0.012	0.05	9.6	13.8	0.29	129.5	0.28	0.002	1.435	11.4	0.016

		ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
SAMPLE	MATERIAL	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
DESCRIPTION	TYPE	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
B719046	Soil	1.59	3.91	0.05	0.158	0.017	0.016	0.08	18.65	14.9	0.38	226	0.2	0.005	1.24	14.95	0.023
B719047	Soil	1.34	3.41	0.038	0.059	0.013	0.011	0.05	15.55	12.8	0.31	132.5	0.23	0.005	1.39	12.45	0.01
B719048	Soil	1.38	2.87	0.058	0.087	0.012	0.013	0.07	19.95	13.2	1.36	206	0.44	0.006	1.445	13.35	0.054
B719049	Soil	1.18	2.19	0.069	0.152	0.019	0.007	0.05	18.95	11.7	1.96	166	0.21	0.007	0.766	15.5	0.053
B719050	Soil	1.9	3.76	0.06	0.094	0.013	0.012	0.05	22.4	18.1	0.47	186.5	0.35	0.004	1.92	17.1	0.044
B719051	Soil	1.52	6.07	0.02	0.034	0.023	0.01	0.03	6.46	11.2	0.16	55.1	0.69	0.003	2.05	8.06	0.014
B719052	Soil	1.3	2.47	0.054	0.068	0.026	0.01	0.05	18	12.2	1.4	232	0.33	0.006	1.285	12.65	0.06
B719053	Soil	1.64	3.76	0.052	0.049	0.015	0.013	0.04	23.4	20.3	0.3	98.5	0.31	0.003	1.715	19.8	0.02
B719054	Soil	1.86	3.4	0.079	0.101	0.018	0.01	0.08	28.6	21.9	0.81	186	0.39	0.004	1.365	44.9	0.058
B719055	Soil	1.79	7.6	0.028	0.049	0.033	0.012	0.1	8.12	26.4	0.43	121.5	0.63	0.005	2.33	20.7	0.029
B719056	Soil	1.11	7.46	0.014	0.019	0.026	0.006	0.02	5.94	12.1	0.06	29.8	1.01	0.001	0.891	3.37	0.011
B719057	Soil	2.13	4.75	0.115	0.129	0.026	0.021	0.16	36.6	28.8	0.75	336	0.3	0.015	1.87	30.4	0.061
B719058	Soil	1.2	2.09	0.075	0.135	0.009	0.008	0.06	16.1	12	2.2	174.5	0.14	0.013	0.75	9.8	0.056
B719059	Soil	1.43	2.73	0.089	0.096	0.028	0.01	0.1	18.65	13.9	1.81	336	0.26	0.015	1.56	13.05	0.057
B719060	Soil	1.9	3.94	0.08	0.043	0.017	0.017	0.05	22.7	27.8	0.42	183.5	0.29	0.01	1.815	21.5	0.051
B719061	Soil	1.24	2.42	0.058	0.048	0.012	0.008	0.02	12.5	12.6	0.25	96.6	0.24	0.006	1.635	14.25	0.034
B719062	Soil	1.97	4.9	0.077	0.107	0.02	0.018	0.14	16.9	23.5	0.51	281	0.28	0.009	1.69	21.1	0.04
B719063	Soil	1.78	3.64	0.074	0.068	0.026	0.014	0.08	23.1	20.2	1.28	238	0.23	0.012	1.49	18.6	0.035
B719064	Soil	1.74	5.35	0.055	0.023	0.033	0.017	0.04	21.2	18.7	0.18	114	0.54	0.007	1.81	17.15	0.024
B719065	Soil	1.25	2.57	0.082	0.253	0.012	0.009	0.1	18.1	12.4	1.88	186	0.18	0.013	0.712	11.4	0.057
B719066	Soil	1.18	3.32	0.082	0.123	0.024	0.017	0.09	21.4	17	0.43	114	0.39	0.011	1.83	17.15	0.069
B719067	Soil	1.3	2.51	0.082	0.113	0.019	0.009	0.1	17.55	12.9	2.13	245	0.23	0.014	1.395	12.4	0.055
B719068	Soil	1.56	2.99	0.086	0.042	0.024	0.009	0.05	27.2	15.5	0.32	124	0.42	0.009	1.585	17.35	0.055
B719069	Soil	1.54	3.24	0.079	0.08	0.017	0.011	0.08	17.45	13.5	0.37	205	0.32	0.009	1.805	11.55	0.081
B719070	Soil	1.66	2.7	0.07	0.047	0.013	0.012	0.04	22.7	14.6	0.28	160	0.18	0.008	1.66	12.4	0.032
B719071	Soil	1.34	2.11	0.083	0.066	0.015	0.008	0.08	18.25	10.1	1.06	157.5	0.21	0.01	1.425	9.55	0.075
B719072	Soil	1.85	3.91	0.113	0.036	0.038	0.018	0.03	52.4	26.5	0.27	99.1	0.41	0.008	1.96	21.7	0.029
B719073	Soil	1.39	2.6	0.08	0.118	0.019	0.01	0.07	21.3	16.5	2.03	230	0.3	0.013	1.435	13.15	0.055
B719074	Soil	1.57	6.82	0.034	0.025	0.011	0.006	0.02	6.9	16.1	0.13	52.4	1.9	0.004	2.74	5.07	0.011
B719075	Soil	1.3	2.41	0.061	0.075	0.011	0.008	0.05	13.25	11.3	0.27	128.5	0.15	0.007	1.46	11.05	0.05
B719076	Soil	1.53	3.92	0.072	0.071	0.017	0.011	0.09	20.1	14.6	0.37	211	0.2	0.009	1.35	13.7	0.035
B719077	Soil	1.17	2	0.075	0.116	0.015	0.008	0.08	15.7	11.2	2.37	220	0.21	0.013	1.12	9.36	0.056
B719078	Soil	1.75	3.75	0.084	0.206	0.022	0.013	0.13	21.6	18.8	2.01	305	0.36	0.015	1.4	16.15	0.053
B719079	Soil	1.59	5.14	0.038	0.019	0.028	0.011	0.03	13.45	22.3	0.21	153	0.81	0.007	2.13	9.92	0.023
B719080	Soil	1.47	5.7	0.062	0.041	0.013	0.009	0.15	8.2	20.5	0.32	105.5	0.61	0.006	2.46	8.34	0.03
B719081	Soil	2.97	6.71	0.061	0.072	0.018	0.017	0.07	14.4	34.3	0.48	148	0.81	0.009	2.62	24.8	0.02
B719082	Soil	2.3	5.18	0.11	0.201	0.027	0.021	0.26	25.1	26.3	0.7	385	0.37	0.017	1.935	24	0.067
B719083	Soil	1.88	3.4	0.079	0.041	0.018	0.012	0.05	23.9	25.3	0.32	216	0.38	0.007	1.725	24.7	0.039
B719084	Soil	1.8	3.87	0.082	0.095	0.009	0.013	0.11	22.1	18.8	0.47	266	0.17	0.011	1.685	16.7	0.03
B719085	Soil	1.43	3.11	0.061	0.04	0.015	0.011	0.06	17.3	15.7	0.33	310	0.36	0.011	1.49	10.2	0.036
B719086	Soil	1.24	2.37	0.086	0.094	0.01	0.007	0.07	18.1	13.3	1.61	217	0.14	0.012	1.59	11	0.057
B719087	Soil	1.27	2.24	0.086	0.157	0.012	0.01	0.08	20	11.7	1.66	217	0.23	0.015	1.125	10.2	0.065
B719088	Soil	1.14	2.68	0.079	0.137	0.032	0.01	0.08	19.6	14	0.34	129.5	0.2	0.007	1.69	10.9	0.051
B719089	Soil	1.07	5.52	0.03	0.013	0.009	0.008	0.02	8.67	10.4	0.15	48	1.08	0.006	1.685	4.89	0.009
B719090	Soil	0.89	2.72	0.066	0.087	0.026	0.008	0.06	17.7	16.5	0.33	91.9	0.27	0.008	1.535	10.6	0.05

		ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
SAMPLE	MATERIAL	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
DESCRIPTION	TYPE	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
B719091	Soil	1.34	2.39	0.075	0.044	0.012	0.008	0.06	19.55	16.4	1.62	158.5	0.15	0.012	1.41	10.65	0.06
B719092	Soil	1.85	3.93	0.049	0.072	0.012	0.016	0.04	10.35	19.8	0.25	91.7	0.42	0.008	2.16	17.1	0.027
B719093	Soil	1.46	2.75	0.078	0.225	0.017	0.016	0.1	23.3	15.7	1.96	251	0.23	0.015	0.959	17.4	0.057
B719094	Soil	0.86	3.88	0.025	0.04	0.004	<0.005	0.03	5.49	2.2	0.07	35.7	0.78	0.006	2.95	3.15	0.006
B719095	Soil	2.95	6.96	0.074	0.068	0.019	0.021	0.08	17.7	52.3	0.5	355	0.94	0.009	3.37	31.4	0.027

Section 3

		ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
SAMPLE	MATERIAL	Pb	Pd	Pt	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
DESCRIPTION	TYPE	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
B719002	Soil	6.84	0.001	<0.002	5.08	<0.0002	0.02	0.327	2.92	0.328	0.47	9.37	0.019	0.019	5.02	0.101	0.095
B719003	Soil	15.95	<0.001	<0.002	3.32	<0.0002	<0.01	0.129	1.835	0.053	1.37	10.2	0.005	0.017	3.56	0.421	0.051
B719004	Soil	6.19	<0.001	<0.002	6.88	<0.0002	0.02	0.083	2.1	0.089	0.66	12.1	0.005	0.016	4.9	0.124	0.074
B719005	Soil	11.2	<0.001	<0.002	15.85	<0.0002	<0.01	0.062	2.52	0.074	0.91	10.75	<0.005	0.015	4.57	0.15	0.111
B719006	Soil	13.15	<0.001	<0.002	36.2	<0.0002	0.02	0.07	3.34	0.164	1.05	19.15	0.007	0.027	9.07	0.301	0.181
B719007	Soil	10.95	<0.001	<0.002	31.8	<0.0002	0.01	0.065	2.63	0.103	0.84	11.9	0.006	0.026	8.06	0.167	0.133
B719008	Soil	13.9	<0.001	<0.002	22.5	<0.0002	0.02	0.11	3.95	0.118	0.9	16.85	0.019	0.03	15.45	0.251	0.11
B719009	Soil	18.85	<0.001	<0.002	11.2	0.0003	0.09	0.364	0.546	0.399	0.49	34.6	0.008	0.009	0.284	0.01	0.087
B719010	Soil	4.25	<0.001	<0.002	1.905	0.0002	0.16	0.097	0.562	0.763	0.19	19.8	0.006	0.047	0.197	0.008	0.032
B719011	Soil	10.15	<0.001	<0.002	3.43	<0.0002	0.01	0.162	0.652	0.045	1.02	6.76	0.006	0.003	1.445	0.078	0.098
B719012	Soil	14.1	<0.001	<0.002	2.73	<0.0002	0.01	0.17	0.824	0.065	1.25	5.88	0.006	0.004	4.04	0.155	0.066
B719013	Soil	9.95	<0.001	<0.002	2.88	<0.0002	0.02	0.17	1.055	0.15	1.03	5.94	0.007	0.008	4.55	0.163	0.054
B719014	Soil	7.17	<0.001	<0.002	3.14	<0.0002	0.04	0.16	1.98	0.573	0.7	10.8	0.015	0.015	5.72	0.142	0.056
B719015	Soil	5.91	<0.001	<0.002	3.53	<0.0002	0.06	0.195	3.26	0.481	0.56	10.7	0.053	0.012	9.48	0.114	0.067
B719016	Soil	7.51	<0.001	<0.002	1.275	<0.0002	0.01	0.23	1.04	0.109	0.97	4.46	<0.005	0.016	1.9	0.099	0.076
B719017	Soil	14.6	<0.001	<0.002	6.65	0.0002	0.06	0.179	5.73	0.52	0.6	5.14	0.08	0.028	10	0.173	0.108
B719018	Soil	14.75	<0.001	<0.002	5.61	<0.0002	0.03	0.217	7.01	0.403	0.75	7.09	0.06	0.038	16.65	0.206	0.132
B719019	Soil	18	<0.001	<0.002	4.41	0.0003	0.07	0.343	7.99	1.04	0.37	12.2	0.063	0.05	20	0.101	0.161
B719020	Soil	8.51	<0.001	<0.002	8.27	0.0002	0.02	0.209	1.44	0.115	0.83	4.92	<0.005	0.031	2	0.143	0.066
B719021	Soil	10.65	0.001	0.002	13.5	<0.0002	0.02	0.235	2.66	0.211	0.78	6.06	0.011	0.062	3.5	0.179	0.091
B719022	Soil	12.5	0.001	<0.002	11.95	0.0003	0.03	0.175	2.96	0.29	0.73	7.82	0.024	0.063	4.85	0.256	0.096
B719023	Soil	11.4	<0.001	<0.002	14.1	0.0005	0.03	0.187	3.06	0.265	0.76	7.93	0.019	0.05	4.73	0.234	0.106
B719024	Soil	10.9	0.001	<0.002	13.95	0.0002	0.03	0.171	3.23	0.258	0.68	7.2	0.016	0.042	4.24	0.207	0.104
B719025	Soil	8.74	0.001	<0.002	6.89	<0.0002	0.01	0.076	1.47	0.12	0.64	4.08	<0.005	0.016	2.52	0.119	0.067
B719026	Soil	8.8	0.001	<0.002	16.65	0.0006	0.06	0.103	4.15	0.85	0.58	22.1	<0.005	0.03	3.26	0.077	0.224
B719027	Soil	3.45	<0.001	<0.002	3.37	0.0002	0.03	0.568	0.607	0.114	0.28	2.12	<0.005	0.142	0.956	0.078	0.062
B719028	Soil	7.31	<0.001	<0.002	3.64	<0.0002	0.01	0.191	2.42	0.091	0.67	4.84	<0.005	0.024	1.9	0.131	0.073
B719029	Soil	6.66	<0.001	<0.002	9.89	<0.0002	0.05	0.44	2.6	0.201	0.64	4.35	<0.005	0.036	2.62	0.186	0.081
B719030	Soil	6.2	<0.001	<0.002	2.6	<0.0002	0.01	0.113	1.3	0.11	0.46	4.56	<0.005	0.017	2.44	0.076	0.042
B719031	Soil	7.92	<0.001	<0.002	19.9	0.0003	0.03	0.112	3.51	0.236	0.63	15.75	<0.005	0.02	4.4	0.158	0.086
B719032	Soil	7.06	<0.001	<0.002	11	<0.0002	0.01	0.088	4.72	0.105	0.59	8.4	<0.005	0.015	3.77	0.122	0.145
B719033	Soil	10.5	<0.001	<0.002	6.36	<0.0002	0.02	0.092	2.22	0.098	0.66	7.24	<0.005	0.015	2.66	0.118	0.074
B719034	Soil	8.68	<0.001	<0.002	13.25	0.0002	0.02	0.075	3.54	0.239	0.44	11.4	<0.005	0.022	6.66	0.116	0.117
B719035	Soil	7.42	<0.001	<0.002	14	<0.0002	0.01	0.089	1.815	0.04	0.67	8.9	0.005	0.012	3.32	0.138	0.071
B719036	Soil	8.67	<0.001	<0.002	11.5	0.0002	0.02	0.542	3	0.218	0.55	13.85	<0.005	0.016	16.35	0.115	0.103
B719037	Soil	4.53	<0.001	<0.002	4.11	<0.0002	0.01	0.072	2.41	0.09	0.31	9.93	<0.005	0.008	3.7	0.083	0.06
B719038	Soil	3.75	<0.001	<0.002	1.98	<0.0002	0.01	0.05	1.615	0.103	0.27	6.07	<0.005	0.007	3.11	0.069	0.035
B719039	Soil	9.99	<0.001	<0.002	2.45	<0.0002	0.02	0.129	1.465	0.217	0.7	6.49	<0.005	0.012	1.96	0.084	0.054
B719040	Soil	7.76	<0.001	<0.002	4.91	0.0002	0.03	0.109	1.79	0.263	0.62	9.13	0.008	0.014	2.87	0.091	0.06
B719041	Soil	6.29	<0.001	<0.002	7.43	<0.0002	0.01	0.076	2.65	0.088	0.46	8.76	<0.005	0.01	3.66	0.086	0.09
B719042	Soil	7.3	<0.001	<0.002	8.12	<0.0002	0.01	0.08	2.69	0.111	0.52	5.92	0.008	0.013	3.68	0.106	0.057
B719043	Soil	4.64	<0.001	<0.002	10.3	0.0002	0.01	0.108	3.29	0.134	0.32	11.55	<0.005	0.014	5.24	0.088	0.08
B719044	Soil	8.49	0.001	<0.002	17.45	<0.0002	0.01	0.099	3.47	0.167	0.55	8.48	<0.005	0.022	4.28	0.108	0.108
B719045	Soil	5.29	<0.001	<0.002	15.25	<0.0002	0.01	0.055	2.25	0.078	0.45	9.58	<0.005	0.008	2.7	0.071	0.069

		ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
SAMPLE	MATERIAL	Pb	Pd	Pt	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
DESCRIPTION	TYPE	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
B719046	Soil	5.37	0.001	<0.002	11.05	<0.0002	<0.01	0.064	3.77	0.085	0.42	11.45	<0.005	0.007	5.54	0.09	0.07
B719047	Soil	4.96	<0.001	<0.002	9.45	<0.0002	0.01	0.058	2.67	0.063	0.39	9.78	<0.005	0.007	3.87	0.079	0.065
B719048	Soil	4.05	<0.001	<0.002	10.35	<0.0002	0.01	0.063	2.7	0.051	0.35	21	<0.005	0.008	4.87	0.076	0.081
B719049	Soil	3.17	<0.001	<0.002	5.5	<0.0002	0.01	0.068	2.39	0.024	0.24	35	<0.005	0.012	5.47	0.066	0.078
B719050	Soil	6.89	<0.001	<0.002	6.2	<0.0002	0.01	0.076	3.03	0.124	0.35	9.99	0.005	0.014	6.3	0.106	0.088
B719051	Soil	6.52	<0.001	<0.002	4.14	<0.0002	0.01	0.094	1.52	0.129	0.53	4.8	0.015	0.013	2.15	0.104	0.053
B719052	Soil	3.08	<0.001	<0.002	9.34	<0.0002	0.01	0.057	2.56	0.113	0.27	27.5	<0.005	0.007	3.27	0.065	0.075
B719053	Soil	5.75	<0.001	<0.002	8.65	<0.0002	0.02	0.052	2.51	0.163	0.33	7.77	0.009	0.017	5.19	0.083	0.098
B719054	Soil	5.08	<0.001	<0.002	8.74	0.0002	0.02	0.15	2.82	0.198	0.27	13.7	<0.005	0.02	4.34	0.068	0.113
B719055	Soil	7.78	<0.001	<0.002	6.81	<0.0002	0.02	0.111	2.41	0.116	0.67	7.59	<0.005	0.018	2.53	0.137	0.082
B719056	Soil	9.77	<0.001	<0.002	2.24	<0.0002	0.02	0.103	0.884	0.286	2.1	1.72	<0.005	0.014	1.71	0.021	0.073
B719057	Soil	7.02	0.001	0.003	16.15	<0.0002	0.01	0.126	3.8	0.142	0.62	22	<0.005	0.015	6.16	0.093	0.128
B719058	Soil	2.74	<0.001	0.004	8.11	<0.0002	<0.01	0.054	2.12	0.021	0.26	40.4	<0.005	0.008	3.88	0.072	0.081
B719059	Soil	4.08	<0.001	0.004	11.85	0.0002	0.01	0.086	2.61	0.134	0.35	32.5	<0.005	0.009	3.72	0.072	0.083
B719060	Soil	5.37	<0.001	0.003	7.51	<0.0002	0.01	0.065	2.87	0.105	0.4	11.6	<0.005	0.014	5.06	0.1	0.089
B719061	Soil	3.46	<0.001	0.003	3.25	<0.0002	0.01	0.058	1.725	0.068	0.29	7.15	<0.005	0.009	3.48	0.078	0.056
B719062	Soil	6.53	<0.001	0.003	14.3	<0.0002	0.01	0.086	3.31	0.091	0.55	14.1	<0.005	0.015	5.34	0.1	0.114
B719063	Soil	5.51	<0.001	0.003	8.93	<0.0002	0.01	0.074	3.34	0.094	0.42	18.1	<0.005	0.008	4.42	0.085	0.097
B719064	Soil	8.81	<0.001	0.003	4.75	0.0003	0.02	0.081	2.13	0.25	0.56	11	0.009	0.019	3.84	0.072	0.072
B719065	Soil	3.69	<0.001	0.003	10.65	<0.0002	<0.01	0.07	2.56	0.022	0.34	40.8	<0.005	0.008	5.07	0.077	0.072
B719066	Soil	5.19	<0.001	0.004	7.86	0.0007	0.08	0.188	2.88	0.424	0.41	25.3	<0.005	0.008	4.55	0.078	0.095
B719067	Soil	3.54	<0.001	0.002	12.1	<0.0002	0.01	0.11	2.54	0.051	0.32	50.7	<0.005	0.008	4.02	0.074	0.079
B719068	Soil	4.86	<0.001	0.002	6.81	0.0003	0.02	0.145	2.84	0.21	0.33	11.4	<0.005	0.012	3.99	0.078	0.077
B719069	Soil	4.45	<0.001	0.002	7.93	<0.0002	0.01	0.067	2.23	0.18	0.39	15.6	<0.005	0.01	4.73	0.083	0.059
B719070	Soil	4.81	0.002	<0.002	4.99	<0.0002	0.01	0.06	2.66	0.136	0.31	9.35	0.013	0.01	4.87	0.078	0.06
B719071	Soil	3.11	<0.001	0.003	10.4	0.0002	0.01	0.065	1.98	0.059	0.34	26.8	<0.005	0.006	4.91	0.065	0.055
B719072	Soil	6.24	<0.001	<0.002	3.71	0.0006	0.03	0.076	3.84	0.465	0.47	13.15	0.025	0.018	3.25	0.083	0.108
B719073	Soil	3.76	<0.001	0.002	10.25	<0.0002	0.01	0.094	2.58	0.04	0.35	40.6	<0.005	0.01	4.85	0.083	0.095
B719074	Soil	7.78	<0.001	0.002	2.31	<0.0002	0.01	0.137	0.971	0.141	0.55	4.63	<0.005	0.025	2.08	0.107	0.063
B719075	Soil	3.5	<0.001	<0.002	6.22	<0.0002	<0.01	0.046	1.8	0.113	0.34	9.03	<0.005	0.004	4.96	0.076	0.053
B719076	Soil	5.75	<0.001	<0.002	10.65	<0.0002	<0.01	0.063	2.85	0.086	0.49	10.9	<0.005	0.009	5.08	0.088	0.072
B719077	Soil	2.97	<0.001	<0.002	7.62	<0.0002	<0.01	0.06	2.16	0.039	0.29	47.5	<0.005	0.007	3.61	0.068	0.062
B719078	Soil	5.57	<0.001	<0.002	13.1	<0.0002	0.01	0.086	3.32	0.038	0.49	40.3	<0.005	0.013	5.69	0.089	0.094
B719079	Soil	7.06	0.001	<0.002	3.38	0.0004	0.03	0.07	1.3	0.308	0.54	19.7	<0.005	0.014	1.64	0.114	0.061
B719080	Soil	6.13	<0.001	<0.002	15.7	<0.0002	0.01	0.063	1.315	0.175	0.55	8.24	<0.005	0.007	1.925	0.118	0.135
B719081	Soil	6.72	<0.001	0.002	7.97	<0.0002	0.01	0.109	2.74	0.127	0.55	8.07	0.013	0.026	4.04	0.162	0.083
B719082	Soil	7.39	<0.001	<0.002	25.1	<0.0002	0.01	0.121	4.24	0.152	0.59	21.5	<0.005	0.014	6.74	0.105	0.15
B719083	Soil	5.11	<0.001	<0.002	5.13	0.0002	0.01	0.061	2.31	0.126	0.41	9.87	<0.005	0.014	3.76	0.088	0.084
B719084	Soil	5.98	<0.001	0.002	15.35	<0.0002	<0.01	0.068	3.1	0.104	0.49	14.2	<0.005	0.01	5.61	0.091	0.093
B719085	Soil	4.5	<0.001	<0.002	9.4	<0.0002	0.01	0.048	1.905	0.231	0.35	12	<0.005	0.007	3.68	0.075	0.058
B719086	Soil	3.6	<0.001	<0.002	9.78	<0.0002	0.01	0.065	2.28	0.058	0.31	26.3	<0.005	0.008	4.38	0.08	0.092
B719087	Soil	3.62	0.002	<0.002	8.83	<0.0002	<0.01	0.065	2.38	0.02	0.35	29.5	<0.005	0.006	5.48	0.077	0.063
B719088	Soil	4.36	<0.001	0.002	7.68	0.0007	0.04	0.063	2.6	0.272	0.31	16.3	<0.005	0.007	4.36	0.067	0.063
B719089	Soil	6.54	<0.001	<0.002	1.995	0.0003	0.01	0.219	1.17	0.077	0.56	6.04	<0.005	0.014	2.34	0.088	0.059
B719090	Soil	4	0.001	0.002	8.02	0.0009	0.08	0.05	2.38	0.381	0.3	15.4	<0.005	0.004	4.03	0.065	0.078

		ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
SAMPLE	MATERIAL	Pb	Pd	Pt	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
DESCRIPTION	TYPE	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
B719091	Soil	3.37	<0.001	<0.002	7.86	<0.0002	0.01	0.065	2.2	0.054	0.29	22.7	<0.005	0.008	4.54	0.077	0.074
B719092	Soil	5.84	<0.001	<0.002	6.71	<0.0002	0.01	0.087	2.27	0.117	0.43	6.53	0.023	0.011	4.82	0.099	0.059
B719093	Soil	5.4	<0.001	<0.002	15.4	<0.0002	<0.01	0.066	2.96	0.037	0.46	48.6	<0.005	0.01	6.6	0.096	0.148
B719094	Soil	5.07	<0.001	<0.002	6.34	<0.0002	<0.01	0.08	0.885	0.023	0.61	4.77	<0.005	0.009	2.37	0.115	0.051
B719095	Soil	9.83	<0.001	<0.002	11.65	0.0002	0.02	0.068	2.58	0.204	0.67	16.85	0.007	0.026	3.92	0.156	0.114

Section 4

		ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
SAMPLE	MATERIAL	U	V	W	Y	Zn	Zr
DESCRIPTION	TYPE	ppm	ppm	ppm	ppm	ppm	ppm
B719002	Soil	0.931	40.5	0.885	4.03	25.6	4.2
B719003	Soil	0.587	251	0.172	3	32.3	6.52
B719004	Soil	0.597	43.1	0.208	3.21	68.3	2.19
B719005	Soil	0.775	45.7	0.206	3.08	43.2	3.93
B719006	Soil	1.425	86.5	0.319	7.03	88.3	4.08
B719007	Soil	0.757	74.9	0.335	3.28	57.9	3.76
B719008	Soil	1.23	96.4	0.417	5.44	69.2	7.22
B719009	Soil	0.093	2.7	0.093	0.931	9.2	0.5
B719010	Soil	0.594	2.6	0.192	1.85	3.1	0.21
B719011	Soil	0.387	6.9	0.11	1.155	2.2	0.83
B719012	Soil	0.464	13	0.2	1.42	3.4	1.76
B719013	Soil	0.544	27.1	0.284	2.08	5.4	1.88
B719014	Soil	0.757	47.1	1.1	3.96	14.9	2.64
B719015	Soil	1.245	40.1	0.346	9.21	21.8	4.5
B719016	Soil	0.366	49.9	0.264	1.06	5.5	1.95
B719017	Soil	1.405	53.2	1.225	5.84	45.9	11.2
B719018	Soil	1.72	68.5	0.63	8.23	51	20.1
B719019	Soil	1.975	39.4	0.512	11.8	33	23.5
B719020	Soil	0.423	64.5	0.242	1.575	27.1	2.26
B719021	Soil	0.542	79.7	0.494	2.56	46	3.96
B719022	Soil	1.215	80.1	0.284	5.29	54	5.12
B719023	Soil	0.983	83.2	0.355	4.92	53.6	4.98
B719024	Soil	0.87	77.1	0.304	4.26	51.2	4.57
B719025	Soil	0.451	30.4	0.128	1.715	20.7	1
B719026	Soil	6.54	46.7	0.165	14.8	60.2	1.38
B719027	Soil	0.267	23.9	0.656	0.688	15.3	1.73
B719028	Soil	0.232	55.8	2.11	1.025	16.2	1.39
B719029	Soil	0.241	72.6	1.01	0.994	38.8	3.18
B719030	Soil	0.362	28	0.269	1.525	18.9	1.77
B719031	Soil	1.29	45.7	0.354	4.25	51.8	2.9
B719032	Soil	0.692	47.6	0.171	3.98	74.3	3.46
B719033	Soil	0.63	35.8	0.62	2.38	32.1	1.57
B719034	Soil	2.03	38.5	0.506	8.15	42.5	2.68
B719035	Soil	0.588	36.3	0.144	2.62	21.2	2.88
B719036	Soil	1.97	75.1	2.98	9.51	42.8	1.32
B719037	Soil	0.59	27	0.236	5.81	24.3	2.31
B719038	Soil	0.393	22.6	0.136	2.95	13.3	1.82
B719039	Soil	0.462	30.4	0.143	1.34	10.9	1.42
B719040	Soil	0.939	29.4	0.303	3.15	15.4	1.2
B719041	Soil	0.422	35.2	0.305	3.7	23.6	3.32
B719042	Soil	0.482	40.8	0.266	5.06	23	2.78
B719043	Soil	0.656	26.4	0.156	8.25	31	5.89
B719044	Soil	0.537	43.5	0.202	3.3	36.7	4.99
B719045	Soil	0.307	27.2	0.124	2.58	20.2	1.81

		ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
SAMPLE	MATERIAL	U	V	W	Y	Zn	Zr
DESCRIPTION	TYPE	ppm	ppm	ppm	ppm	ppm	ppm
B719046	Soil	0.455	30.1	0.132	6.85	22.6	6.6
B719047	Soil	0.422	26.3	0.113	4.39	20.2	2.75
B719048	Soil	0.555	26.4	0.267	6.84	22.8	3.85
B719049	Soil	0.443	21.1	0.141	6.73	18.3	7.43
B719050	Soil	0.561	33.7	0.361	6.62	24.3	4.25
B719051	Soil	0.311	39.8	0.533	1.515	13.7	1.65
B719052	Soil	0.794	23.1	0.13	6.94	20	2.58
B719053	Soil	0.835	29.5	0.166	5.48	19.3	2
B719054	Soil	0.976	26.6	0.232	8.35	41.8	4.32
B719055	Soil	0.45	45	0.227	2.16	41	2.39
B719056	Soil	0.317	23.8	0.788	1.14	6.9	1.09
B719057	Soil	0.901	39.2	0.657	10.6	36.6	6.36
B719058	Soil	0.419	20.8	0.177	5.76	16.8	6.19
B719059	Soil	0.858	24.7	0.145	7.05	21.3	4.33
B719060	Soil	0.683	33.3	0.17	7.02	33.1	1.94
B719061	Soil	0.419	22.8	0.236	4.05	15.2	1.92
B719062	Soil	0.504	35.4	0.186	5.23	35.6	5.15
B719063	Soil	0.412	30.9	0.254	8.72	22.9	2.77
B719064	Soil	1.08	32.1	0.292	4.69	19.1	1.14
B719065	Soil	0.48	23.6	0.216	6.62	21.1	10.6
B719066	Soil	1.22	26.5	0.262	8.03	40.2	4.95
B719067	Soil	0.463	22.3	0.148	6.52	19.3	5.6
B719068	Soil	1.05	27.2	0.15	8.72	20.3	1.91
B719069	Soil	0.594	27.1	0.14	5.83	20.4	3.26
B719070	Soil	0.634	27.3	0.165	6.96	15.8	1.81
B719071	Soil	0.734	23.8	0.898	6.76	14.3	3.03
B719072	Soil	1.54	32.3	0.5	15.8	17.5	1.7
B719073	Soil	0.518	24.8	0.194	7.31	21.4	5.55
B719074	Soil	0.324	41.8	0.348	1.4	9.6	1.21
B719075	Soil	0.439	22.1	0.466	4.37	14.9	3.66
B719076	Soil	0.464	27.7	0.136	6.6	21.1	3.81
B719077	Soil	0.457	19.9	0.138	6.24	15.3	5.7
B719078	Soil	0.513	30.6	0.187	7.61	26.7	9.87
B719079	Soil	2.1	32.5	0.294	3.18	18	0.91
B719080	Soil	0.521	30.3	0.528	2.11	20.6	1.64
B719081	Soil	0.531	55.1	0.373	3.48	28.2	3.29
B719082	Soil	1.15	39.5	0.166	8.84	43.6	9.26
B719083	Soil	0.696	31.8	0.248	6.79	21.7	1.67
B719084	Soil	0.865	32.6	0.179	7.27	25	4.48
B719085	Soil	1.42	25.5	2.51	4.87	20.8	1.48
B719086	Soil	0.453	22.3	0.187	6.2	20.7	4.57
B719087	Soil	0.641	23.2	0.202	6.94	17.5	7.21
B719088	Soil	1.36	21.5	0.142	6.98	28	5.67
B719089	Soil	0.427	35.5	0.166	1.7	9	0.8
B719090	Soil	2.69	19.5	0.198	6.07	26.4	3.74

		ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
SAMPLE	MATERIAL	U	V	W	Y	Zn	Zr
DESCRIPTION	TYPE	ppm	ppm	ppm	ppm	ppm	ppm
B719091	Soil	0.525	22.9	0.397	6.19	19.2	2.17
B719092	Soil	0.529	31.8	0.27	3.12	18.5	2.59
B719093	Soil	0.623	31.7	0.261	9.21	27.8	10.05
B719094	Soil	0.292	40.5	0.148	0.927	7.7	1.49
B719095	Soil	1.1	55.2	0.446	5.42	50.3	2.49

APPENDIX 5: BIOGEOCHEMISTRY SAMPLE LOCATIONS

Biochemistry Sample

E	N	Sample #	Tree species	Line	Date Sampled	Notes	Sampled by
411629	5722753	718001	Black Spruce	Pollucite Dyke 1	28th June 2021	Smaller tree. Off mineralization. In overburden/swamp	Sarah Bodeving
411614	5722769	718002	Black Spruce	Pollucite Dyke 1	28th June 2021	5m off from visible pegmatite outcrop, smaller tree, lots of dead branches	Sarah Bodeving
411605	5722767	718003	Black Spruce	Pollucite Dyke 1	28th June 2021	Large tree right on mineralized pegmatite dyke. Next to blasted trench.	Sarah Bodeving
411598	5722774	718004	Black Spruce	Pollucite Dyke 1	28th June 2021	On contact of pegmatite with mafic country rock.	Sarah Bodeving
411588		718005	Black Spruce	Pollucite Dyke 1	28th June 2021	On mafic country rock.	Sarah Bodeving
411558	5722793	718006	Black Spruce	Pollucite Dyke 1	28th June 2021	Off outcrop. At edge with large spruce trees.	Sarah Bodeving
411602	5723300	718007	Black Spruce	411600	28th June 2021	Tall spruce tree on esker. Lots of erratic boulders.	Sarah Bodeving
411603	5723254	718008	Black Spruce	411600	28th June 2021	Black spruce on esker	Sarah Bodeving
411601	5723197	718009	Black Spruce	411600	28th June 2021	Black spruce	Sarah Bodeving
411609	5723149	718010	Black Spruce	411600	28th June 2021	Black spruce in old forest fire blow down area	Sarah Bodeving
411599	5723102	718011	Black Spruce	411600	28th June 2021	Smaller black spruce tree in blow down area	Sarah Bodeving
411606	5723045	718012	Black Spruce	411600	28th June 2021	Tall black spruce. Right on edge of flagged baseline trail.	Sarah Bodeving
411601	5723008	718013	Black Spruce	411600	28th June 2021	Tall black spruce tree. End of baseline.	Sarah Bodeving
411602	5722950	718014	Black Spruce	411600	28th June 2021	Tiny spruce in tall black spruce forest.	Sarah Bodeving
411610	5722888	718015	Black Spruce	411600	28th June 2021	Tiny spruce in tall black spruce forest.	Sarah Bodeving
411601	5722850	718016	Black Spruce	411600	28th June 2021	Tall black spruce at end of large spruce forest.	Sarah Bodeving
411601	5722800	718017	Black Spruce	411600	28th June 2021	Tall black spruce on edge of pollucite outcrop in country rock	Sarah Bodeving
411605	5722750	718018	Black Spruce	411600	28th June 2021	Tall black spruce at edge of pollucite pegmatite lense. Inside rusty country rock.	Sarah Bodeving
411600	5722697	718019	Black Spruce	411600	28th June 2021	Black spruce. Overburden	Sarah Bodeving
411600	5722650	718020	Black Spruce	411600	28th June 2021	Black spruce. Overburden	Sarah Bodeving
411602	5722596	718021	Black Spruce	411600	28th June 2021	Black spruce. Surroundings outcrop.	Sarah Bodeving
411600	5722540	718022	Black Spruce	411600	28th June 2021	Black spruce	Sarah Bodeving
411600	5722496	718023	Black Spruce	411600	28th June 2021	Black spruce	Sarah Bodeving
411601	5722443	718024	Black Spruce	411600	28th June 2021	Black spruce. Overburden. Close to swamp/creek.	Sarah Bodeving
411596	5722417	718025	Black Spruce	411600	28th June 2021	Black spruce right on North edge of swamp. Swamp has no trees.	Sarah Bodeving
411590	57223361	718026	Black Spruce	411600	28th June 2021	Crippled, lonely black spruce in almost middle of swamp. Mostly dead.	Sarah Bodeving

E	N	Sample #	Tree species	Line	Date Sampled	Notes	Sampled by
411600	5722329	718027	Black Spruce	411600	28th June 2021	Black spruce on South edge of swamp	Sarah Bodeving
411600	5722296	718028	Black Spruce	411600	28th June 2021	Black spruce. Muskek	Sarah Bodeving
411599	5722244	718029	Black Spruce	411600	28th June 2021	Black spruce. Muskek	Sarah Bodeving
411599	5722197	718030	Black Spruce	411600	28th June 2021	Black spruce. Muskek	Sarah Bodeving
411598	5722147	718031	Black Spruce	411600	28th June 2021	Black spruce. Muskek	Sarah Bodeving
411598	5722095	718032	Black Spruce	411600	28th June 2021	Black spruce. Muskek	Sarah Bodeving
411596	5722051	718033	Black Spruce	411600	28th June 2021	Black spruce. Muskek	Sarah Bodeving
411602	5722007	718034	Black Spruce	411600	28th June 2021	Black spruce. Muskek	Sarah Bodeving
411595	5721947	718035	Black Spruce	411600	28th June 2021	Black spruce close to edge of swamp	Sarah Bodeving
411592	5721903	718036	Black Spruce	411600	28th June 2021	Black spruce at detour on line, middle of swamp.	Sarah Bodeving
411604	5721849	718037	Black Spruce	411600	28th June 2021	Black spruce on edge of swamp.	Sarah Bodeving
411603	5721796	718038	Black Spruce	411600	28th June 2021	Black spruce. Top of hill after swamp.	Sarah Bodeving
411897	5722695	718039	Black Spruce	411900	29th June 2021	Black spruce on rock outcrop on baseline	Sarah Bodeving
411901	5722747	718040	Black Spruce	411900	29th June 2021	Black spruce in dense old spruce forest	Sarah Bodeving
411897	5722798	718041	Black Spruce	411900	29th June 2021	open swamp	Sarah Bodeving
411905	5722860	718042	Black Spruce	411900	29th June 2021	swamp	Sarah Bodeving
411905	5722907	718043	Black Spruce	411900	29th June 2021	swamp	Sarah Bodeving
411902	5722952	718044	Black Spruce	411900	29th June 2021	swamp	Sarah Bodeving
411899	5722996	718045	Black Spruce	411900	29th June 2021	swamp	Sarah Bodeving
411905	5723051	718046	Black Spruce	411900	29th June 2021	peat wetland, spruce stand	Sarah Bodeving
411899	5723105	718047	Black Spruce	411900	29th June 2021	peat wetland, spruce stand	Sarah Bodeving
411806	5723074	718048	Black Spruce	411800	29th June 2021	spruce forest	Sarah Bodeving
411800	5723045	718049	Black Spruce	411800	29th June 2021	spruce forest	Sarah Bodeving
411804	5723004	718050	Black Spruce	411800	29th June 2021	peat swamp, smaller tree	Sarah Bodeving
411503	5723001	718051	Black Spruce	411500	29th June 2021		Richard Brett
411499	5722910	718052	Black Spruce	411500	29th June 2021		Richard Brett
411495	5722943	718053	Black Spruce	411500	29th June 2021	small tree	Richard Brett
411491	5722922	718054	Black Spruce	411500	29th June 2021	small tree and some old black spruce	Richard Brett
411496	5722902	718055	Black Spruce	411500	29th June 2021		Richard Brett
411495	5722871	718056	Black Spruce	411500	29th June 2021		Richard Brett
411492	5722850	718057	Black Spruce	411500	29th June 2021		Richard Brett
411502	5722821	718058	Black Spruce	411500	29th June 2021		Richard Brett
411498	5722794	718059	Black Spruce	411500	29th June 2021		Richard Brett
411496	5722773	718060	Black Spruce	411500	29th June 2021		Richard Brett
411498	5722251	718061	Black Spruce	411500	29th June 2021		Richard Brett
411500	5722725	718062	Black Spruce	411500	29th June 2021	outcrop, 30cm dyke	Richard Brett

E	N	Sample #	Tree species	Line	Date Sampled	Notes	Sampled by
411504	5722701	718063	Black Spruce	411500	29th June 2021		Richard Brett
411502	5722675	718064	Black Spruce	411500	29th June 2021		Richard Brett
411502	5722649	718065	Black Spruce	411500	29th June 2021	outcrop seds	Richard Brett
411500	5722624	718066	Black Spruce	411500	29th June 2021	outcrop	Richard Brett
411500	5722600	718067	Black Spruce	411500	29th June 2021	water	Richard Brett
411500	5722575	718068	Black Spruce	411500	29th June 2021	water	Richard Brett
411501	5722549	718069	Black Spruce	411500	29th June 2021	water	Richard Brett
		718070	Black Spruce	411500	29th June 2021		Richard Brett
411500	5722500	718071	Black Spruce	411500	29th June 2021	water	Richard Brett
411500	5722475	718072	Black Spruce	411500	29th June 2021	water	Richard Brett
411500	5722450	718073	Black Spruce	411500	29th June 2021	water	Richard Brett
411500	5722425	718074	Black Spruce	411500	29th June 2021	water	Richard Brett
411500	5722400	718075	Black Spruce	411500	29th June 2021	water	Richard Brett
411795	5722950	718101	Black Spruce	411800	30th June 2021	peat bog	Sarah Bodeving
411799	5722902	718102	Black Spruce	411800	30th June 2021	peat bog	Sarah Bodeving
411803	5722853	718103	Black Spruce	411800	30th June 2021	swamp	Sarah Bodeving
411794	5722804	718104	Black Spruce	411800	30th June 2021	spruce stand	Sarah Bodeving
411795	5722741	718105	Black Spruce	411800	30th June 2021	near rock outcrop	Sarah Bodeving
411800	5722695	718106	Black Spruce	411800	30th June 2021	dense source forest	Sarah Bodeving
411398	5723000	718076	Black Spruce	411400	30th June 2021		Richard Brett
411400	5722950	718077	Black Spruce	411400	30th June 2021		Richard Brett
411394	5722900	718078	Black Spruce	411400	30th June 2021		Richard Brett
411400	5722845	718079	Black Spruce	411400	30th June 2021		Richard Brett
411402	5722801	718080	Black Spruce	411400	30th June 2021	felsic volc outcrop	Richard Brett
411402	5722750	718081	Black Spruce	411400	30th June 2021	outcrop	Richard Brett
411402	5722700	718082	Black Spruce	411400	30th June 2021	felsic metavolc outcrop, poll dyk iron rich ground at 411404, 5722731e	Richard Brett
411402	5722650	718083	Black Spruce	411400	30th June 2021	poll dyke at 411424, 5722696	Richard Brett
411402	5722603	718084	Black Spruce	411400	30th June 2021		Richard Brett
411402	5722550	718085	Black Spruce	411400	30th June 2021		Richard Brett
411401	5722500	718086	Black Spruce	411400	30th June 2021		Richard Brett
411400	5722451	718087	Black Spruce	411400	30th June 2021		Richard Brett
411401	5722402	718088	Black Spruce	411400	30th June 2021		Richard Brett
411401	5722360	718089	Black Spruce	411400	30th June 2021		Richard Brett
411502	5722375	718090	Black Spruce	411500	30th June 2021		Richard Brett
411510	5722353	718107	Black Spruce	411500	1st July 2021	edge of creek South Line after creek break	Sarah Bodeving

E	N	Sample #	Tree species	Line	Date Sampled	Notes	Sampled by
411505	5722296	718108	Black Spruce	411500	1st July 2021	floating bog	Sarah Bodeving
411503	5722251	718109	Black Spruce	411500	1st July 2021	floating bog	Sarah Bodeving
411505	5722203	718110	Black Spruce	411500	1st July 2021	floating bog	Sarah Bodeving
411501	5722149	718111	Black Spruce	411500	1st July 2021	floating bog	Sarah Bodeving
411502	5722094	718112	Black Spruce	411500	1st July 2021	floating bog	Sarah Bodeving
411503	5722047	718113	Black Spruce	411500	1st July 2021	floating bog	Sarah Bodeving
411500	5722001	718114	Black Spruce	411500	1st July 2021	floating bog	Sarah Bodeving
411503	5721951	718115	Black Spruce	411500	1st July 2021	floating bog	Sarah Bodeving
411501	5721903	718116	Black Spruce	411500	1st July 2021	edge of swamp, before rock outcrop	Sarah Bodeving
411496	5721847	718117	Black Spruce	411500	1st July 2021	top of outcrop	Sarah Bodeving
411506	5721798	718118	Black Spruce	411500	1st July 2021	thick moss, black spruce forest, maybe outcrop around	Sarah Bodeving
411500	5721745	718119	Black Spruce	411500	1st July 2021	top of outcrop, meta sedi?	Sarah Bodeving
411401	5722342	718120	Black Spruce	411400	1st July 2021	Thick alder wet swamp	Sarah Bodeving
411400	5722300	718121	Black Spruce	411400	1st July 2021	drier overburden swamp	Sarah Bodeving
411400	5722247	718122	Black Spruce	411400	1st July 2021	drier overburden swamp	Sarah Bodeving
411400	5722197	718123	Black Spruce	411400	1st July 2021	wetter swamp, with small trees	Sarah Bodeving
411400	5722151	718124	Black Spruce	411400	1st July 2021	.55	Sarah Bodeving
411397	5722101	718125	Black Spruce	411400	1st July 2021	wetter swamp, with small trees	Sarah Bodeving
411401	5722050	718126	Black Spruce	411400	1st July 2021	wetter swamp, with small trees	Sarah Bodeving
411402	5721997	718127	Black Spruce	411400	1st July 2021	wetter swamp, with small trees	Sarah Bodeving
411405	5721956	718128	Black Spruce	411400	1st July 2021	wet swamp with dense small black spruce	Sarah Bodeving
411399	5721905	718129	Black Spruce	411400	1st July 2021	edge of swamp, just before hill, outcrop felsic metavolc?	Sarah Bodeving
411403	5721854	718130	Black Spruce	411400	1st July 2021	large outcrop with foliated rock, spruce forest, elevation from swamp	Sarah Bodeving
411410	5721799	718131	Black Spruce	411400	1st July 2021	layered felsic metavolc? outcrop, tall black spruce	Sarah Bodeving
411395	5721750	718132	Black Spruce	411400	1st July 2021	outcrop, black spruce forest	Sarah Bodeving
411282	5722750	718091	Black Spruce	411300	1st July 2021	on esker, spruce forest	Sarah Bodeving /Richard Brett
411296	5722698	718092	Black Spruce	411300	1st July 2021	on esker, spruce forest	Sarah Bodeving /Richard Brett
411297	5722649	718093	Black Spruce	411300	1st July 2021	on esker, spruce forest	Sarah Bodeving /Richard Brett
411302	5722605	718094	Black Spruce	411300	1st July 2021	overburden, off esker	Sarah Bodeving /Richard Brett
411302	5722547	718095	Black Spruce	411300	1st July 2021	labrador tea overburden, tall tree sampled	Sarah Bodeving /Richard Brett
411301	5722500	718096	Black Spruce	411300	1st July 2021	off felsic volc outcrop, labrador tea overburden	Sarah Bodeving /Richard Brett
411302	5722458	718097	Black Spruce	411300	1st July 2021	good tall tree sampled, mossy overburden stopped, wet bog now	Sarah Bodeving /Richard Brett
411301	5722399	718098	Black Spruce	411300	1st July 2021	labrador tea overburden	Sarah Bodeving /Richard Brett
411295	5722343	718099	Black Spruce	411300	1st July 2021	swamp watery overburden	Sarah Bodeving /Richard Brett
411291	5722302	718100	Black Spruce	411300	1st July 2021	crossed creek, thick alders, tall BS	Sarah Bodeving /Richard Brett

E	N	Sample #	Tree species	Line	Date Sampled	Notes	Sampled by
411295	5722250	718151	Black Spruce	411300	1st July 2021	water swamp	Richard Brett
411299	5722198	718152	Black Spruce	411300	1st July 2021	water swamp	Richard Brett
411303	5722150	718153	Black Spruce	411300	1st July 2021	water swamp	Richard Brett
411303	5722103	718154	Black Spruce	411300	1st July 2021	water swamp	Richard Brett
411300	5722048	718155	Black Spruce	411300	1st July 2021		Richard Brett
411301	5722001	718156	Black Spruce	411300	1st July 2021		Richard Brett
411301	5721952	718157	Black Spruce	411300	1st July 2021	water swamp	Richard Brett
411296	5721896	718158	Black Spruce	411300	1st July 2021		Richard Brett
411300	5721849	718159	Black Spruce	411300	1st July 2021		Richard Brett
411303	5721795	718160	Black Spruce	411300	1st July 2021		Richard Brett
411299	5721749	718161	Black Spruce	411300	1st July 2021		Richard Brett
412300	5722697	718201	Black Spruce	412300	1st July 2021	Spruce stand	Kelvin W
412300	5722760	718202	Black Spruce	412300	1st July 2021	spruce stand peat	Kelvin W
412303	5722798	718203	Black Spruce	412300	1st July 2021	spruce stand peat	Kelvin W
412296	5722853	718204	Black Spruce	412300	1st July 2021	spruce stand peat	Kelvin W
412300	5722903	718205	Black Spruce	412300	1st July 2021	spruce stand peat	Kelvin W
412299	5722959	718206	Black Spruce	412300	1st July 2021	spruce stand peat, outcrop	Kelvin W
412292	5722913	718207	Black Spruce	412300	1st July 2021	spruce stand peat, outcrop	Kelvin W
412307	5723059	718208	Black Spruce	412300	1st July 2021	spruce stand peat, outcrop	Kelvin W
412300	5723100	718209	Black Spruce	412300	1st July 2021	spruce stand peat, outcrop	Kelvin W
412100	5723100	718210	Black Spruce	412100	1st July 2021	spruce stand, past peat, thicker swamp	Kelvin W
412108	5723048	718211	Black Spruce	412100	1st July 2021	spruce stand, peat, wet swamp	Kelvin W
412120	5722991	718212	Black Spruce	412100	1st July 2021	spruce stand, peat, wet swamp	Kelvin W
412101	5722934	718213	Black Spruce	412100	1st July 2021	spruce stand, peat, wet swamp	Kelvin W
412102	5722886	718214	Black Spruce	412100	1st July 2021	spruce stand, moss, swamp	Kelvin W
412103	5722830	718215	Black Spruce	412100	1st July 2021	spruce stand, moss, swamp	Kelvin W
412100	5722776	718216	Black Spruce	412100	1st July 2021	spruce stand, past swamp	Kelvin W
412097	5722750	718217	Black Spruce	412100	1st July 2021	spruce stand, swamp	Kelvin W
412099	5722699	718218	Black Spruce	412100	1st July 2021	spruce stand, swamp	Kelvin W
411574	5722778	718133	Black Spruce	Pollucite Dyke	2nd July 2021	in thick labrador tea overburden	Sarah Bodeving
411544	5722789	718134	Black Spruce	Pollucite Dyke	2nd July 2021	mossy thick overburden in spruce stand	Sarah Bodeving
411617	5722761	718135	Black Spruce	Pollucite Dyke	2nd July 2021	near outcrop, in mossy overburden, thick spruce stand	Sarah Bodeving
411640	5722745	718136	Black Spruce	Pollucite Dyke	2nd July 2021	edge of swamp	Sarah Bodeving
411099	5722661	718162	Black Spruce	411100	2nd July 2021		Richard Brett
411109	5722603	718163	Black Spruce	411100	2nd July 2021		Richard Brett
411102	5722548	718164	Black Spruce	411100	2nd July 2021		Richard Brett
411104	5722496	718165	Black Spruce	411100	2nd July 2021		Richard Brett

E	N	Sample #	Tree species	Line	Date Sampled	Notes	Sampled by
411106	5722453	718166	Black Spruce	411100	2nd July 2021		Richard Brett
411104	5722396	718167	Black Spruce	411100	2nd July 2021		Richard Brett
411103	5722345	718168	Black Spruce	411100	2nd July 2021		Richard Brett
411103	5722304	718169	Black Spruce	411100	2nd July 2021		Richard Brett
411099	5722246	718170	Black Spruce	411100	2nd July 2021		Richard Brett
411105	5722199	718171	Black Spruce	411100	2nd July 2021		Richard Brett
411105	5722145	718172	Black Spruce	411100	2nd July 2021		Richard Brett
411098	5722100	718173	Black Spruce	411100	2nd July 2021		Richard Brett
411104	5722047	718174	Black Spruce	411100	2nd July 2021		Richard Brett
411098	5722000	718175	Black Spruce	411100	2nd July 2021		Richard Brett
411099	5721947	718176	Black Spruce	411100	2nd July 2021		Richard Brett
411098	5721899	718177	Black Spruce	411100	2nd July 2021		Richard Brett
411098	5721846	718178	Black Spruce	411100	2nd July 2021		Richard Brett
411104	5721800	718179	Black Spruce	411100	2nd July 2021		Richard Brett
411103	5721749	718180	Black Spruce	411100	2nd July 2021		Richard Brett
412503	5722706	718137	Black Spruce	412500	5th July 2021	peat, moss, lab tea	Kelvin W
412502	5722750	718138	Black Spruce	412500	5th July 2021	spruce stand	Kelvin W
412501	5722800	718139	Black Spruce	412500	5th July 2021	spruce stand	Kelvin W
412501	5722852	718140	Black Spruce	412500	5th July 2021	spruce stand	Kelvin W
412508	5722897	718141	Black Spruce	412500	5th July 2021	spruce stand	Kelvin W
412506	5722955	718142	Black Spruce	412500	5th July 2021	spruce stand	Kelvin W
412502	5723006	718143	Black Spruce	412500	5th July 2021	spruce stand	Kelvin W
412499	5723055	718144	Black Spruce	412500	5th July 2021	spruce stand	Kelvin W
412502	5723101	718145	Black Spruce	412500	5th July 2021	spruce stand	Kelvin W
412699	5723099	718146	Black Spruce	412700	5th July 2021	spruce stand	Kelvin W
412701	5723048	718147	Black Spruce	412700	5th July 2021	spruce stand	Kelvin W
412697	5722999	718148	Black Spruce	412700	5th July 2021	spruce stand	Kelvin W
412698	5722942	718149	Black Spruce	412700	5th July 2021	spruce stand	Kelvin W
412706	5722900	718150	Black Spruce	412700	5th July 2021	spruce stand	Kelvin W
410901	5721750	718181	Black Spruce	410900	5th July 2021		Richard Brett
410900	5721800	718182	Black Spruce	410900	5th July 2021		Richard Brett
410901	5721851	718183	Black Spruce	410900	5th July 2021		Richard Brett
410900	5721902	718184	Black Spruce	410900	5th July 2021		Richard Brett
410900	5721948	718185	Black Spruce	410900	5th July 2021		Richard Brett
410899	5722001	718186	Black Spruce	410900	5th July 2021		Richard Brett
410902	5722052	718187	Black Spruce	410900	5th July 2021		Richard Brett
410899	5722102	718188	Black Spruce	410900	5th July 2021		Richard Brett
410899	5722154	718189	Black Spruce	410900	5th July 2021		Richard Brett

E	N	Sample #	Tree species	Line	Date Sampled	Notes	Sampled by
410902	5722202	718190	Black Spruce	410900	5th July 2021		Richard Brett
410900	5722251	718191	Black Spruce	410900	5th July 2021		Richard Brett
410899	5722303	718192	Black Spruce	410900	5th July 2021		Richard Brett
410898	5722355	718193	Black Spruce	410900	5th July 2021		Richard Brett
410898	5722403	718194	Black Spruce	410900	5th July 2021		Richard Brett
410898	5722453	718195	Black Spruce	410900	5th July 2021		Richard Brett
410900	5722500	718196	Black Spruce	410900	5th July 2021		Richard Brett
410905	5722550	718197	Black Spruce	410900	5th July 2021		Richard Brett
410899	5722602	718198	Black Spruce	410900	5th July 2021		Richard Brett
412697	5722850	718219	Black Spruce	412700	5th July 2021	spruce stand	Kelvin W
412704	5722802	718220	Black Spruce	412700	5th July 2021	spruce stand	Kelvin W
412705	5722749	718221	Black Spruce	412700	5th July 2021	spruce stand	Kelvin W
412701	5722705	718222	Black Spruce	412700	5th July 2021	spruce stand	Kelvin W
411465	5722688	718199	Black Spruce	Pollucite Dyke 2	6th July 2021	overburden, away from mineralization	Sarah Bodeving /Richard Brett
411462	5722697	718200	Black Spruce	Pollucite Dyke 2	6th July 2021	overburden	Sarah Bodeving /Richard Brett
411458	5722708	718251	Black Spruce	Pollucite Dyke 2	6th July 2021	spruce right on top of pegmatite dyke of about 1m thickness	Sarah Bodeving /Richard Brett
411451	5722719	718252	Black Spruce	Pollucite Dyke 2	6th July 2021	lots of smaller boundins, slightly off mineralization	Sarah Bodeving /Richard Brett
411447	5722732	718253	Black Spruce	Pollucite Dyke 2	6th July 2021	outcrop of intermediate volc	Sarah Bodeving /Richard Brett
411434	5722739	718254	Black Spruce	Pollucite Dyke 2	6th July 2021	swamp overburden	Sarah Bodeving /Richard Brett
411435	5722747	718255	Black Spruce	Pollucite Dyke 2	6th July 2021	swamp overburden	Sarah Bodeving /Richard Brett
411701	5723100	718223	Black Spruce	411700	6th July 2021	old mature spruce forest	Kelvin W
411700	5723049	718224	Black Spruce	411700	6th July 2021	old mature spruce forest	Kelvin W
411706	5723000	718225	Black Spruce	411700	6th July 2021	spruce stand	Kelvin W
411708	5722905	718226	Black Spruce	411700	6th July 2021	spruce stand	Kelvin W
411704	5722845	718227	Black Spruce	411700	6th July 2021		Kelvin W
411701	5722795	718228	Black Spruce	411700	6th July 2021		Kelvin W
411704	5722744	718229	Black Spruce	411700	6th July 2021		Kelvin W
411698	5722698	718230	Black Spruce	411700	6th July 2021		Kelvin W
411701	5722649	718231	Black Spruce	411700	6th July 2021		Kelvin W
411702	5722602	718232	Black Spruce	411700	6th July 2021		Kelvin W
411696	5722550	718233	Black Spruce	411700	6th July 2021		Kelvin W
411699	5722494	718234	Black Spruce	411700	6th July 2021		Kelvin W
411699	5722449	718235	Black Spruce	411700	6th July 2021		Kelvin W
411701	5722391	718236	Black Spruce	411700	6th July 2021		Kelvin W
411697	5722350	718237	Black Spruce	411700	6th July 2021		Kelvin W
411700	5722300	718238	Black Spruce	411700	6th July 2021		Kelvin W

E	N	Sample #	Tree species	Line	Date Sampled	Notes	Sampled by
411703	5722249	718239	Black Spruce	411700	6th July 2021		Kelvin W
411702	5722200	718240	Black Spruce	411700	6th July 2021		Kelvin W
411701	5722150	718241	Black Spruce	411700	6th July 2021		Kelvin W
411699	5722101	718242	Black Spruce	411700	6th July 2021		Kelvin W
411702	5722050	718243	Black Spruce	411700	6th July 2021		Kelvin W
411702	5722001	718244	Black Spruce	411700	6th July 2021		Kelvin W
411701	5721950	718245	Black Spruce	411700	6th July 2021		Kelvin W
411698	5721902	718246	Black Spruce	411700	6th July 2021		Kelvin W
411703	5721850	718247	Black Spruce	411700	6th July 2021		Kelvin W
411706	5721799	718248	Black Spruce	411700	6th July 2021		Kelvin W
411698	5721751	718249	Black Spruce	411700	6th July 2021		Kelvin W
414055	5722648	718250	Black Spruce	Rubellite Dyke Bio Line 1	7th July 2021	end of Rub Dyke Bio Line, overburden, spruce forest, off outcrops	Sarah Bodeving
414110	5722576	718256	Black Spruce	Rubellite Dyke Bio Line 1	7th July 2021	Start Rub Dyke Bio Line 1, amphibolite outcrop	Sarah Bodeving
414108	5722582	718257	Black Spruce	Rubellite Dyke Bio Line 1	7th July 2021	edge of cliff of amph outcrop	Sarah Bodeving
414103	5722592	718258	Black Spruce	Rubellite Dyke Bio Line 1	7th July 2021	swamp, edge of cliff	Sarah Bodeving
414097	5722597	718259	Black Spruce	Rubellite Dyke Bio Line 1	7th July 2021	swamp, thick overburden	Sarah Bodeving
414086	5722614	718260	Black Spruce	Rubellite Dyke Bio Line 1	7th July 2021	edge of swamp, close to outcrop	Sarah Bodeving
414081	5722621	718261	Black Spruce	Rubellite Dyke Bio Line 1	7th July 2021	right on top of mineralization, dyke	Sarah Bodeving
414077	5722624	718262	Black Spruce	Rubellite Dyke Bio Line 1	7th July 2021	top of outcrop, in mineralized dyke	Sarah Bodeving
414072	5722639	718263	Black Spruce	Rubellite Dyke Bio Line 1	7th July 2021	edge of outcrop in swamp	Sarah Bodeving
414110	5722570	718264	Black Spruce	Rubellite Dyke Bio Line 2	7th July 2021	Start Rub Dyke 2 Line, top of amphibolite outcrop	Sarah Bodeving
414100	5722568	718265	Black Spruce	Rubellite Dyke Bio Line 2	7th July 2021	top of amphibolite outcrop	Sarah Bodeving
414087	5722565	718266	Black Spruce	Rubellite Dyke Bio Line 2	7th July 2021	top of amphibolite outcrop	Sarah Bodeving
414076	5722562	718267	Black Spruce	Rubellite Dyke Bio Line 2	7th July 2021	edge of mineralization, top of dyke	Sarah Bodeving
414069	5722564	718268	Black Spruce	Rubellite Dyke Bio Line 2	7th July 2021	right on top of mineralized dyke, edge of outcrop	Sarah Bodeving
414066	5722567	718269	Black Spruce	Rubellite Dyke Bio Line 2	7th July 2021	edge of amphibolite outcrop, down to swamp	Sarah Bodeving
414053	5722569	718270	Black Spruce	Rubellite Dyke Bio Line 2	7th July 2021	swamp, thick overburden, off outcrop	Sarah Bodeving
411800	5722697	718271	Black Spruce	Line 411800	27th July 2021	outcrop	Richard Brett
411800	5722649	718272	Black Spruce	Line 411800	27th July 2021	outcrop	Richard Brett
411798	5722600	718273	Black Spruce	Line 411800	27th July 2021		Richard Brett
411798	5722550	718274	Black Spruce	Line 411800	27th July 2021	outcrop	Richard Brett

E	N	Sample #	Tree species	Line	Date Sampled	Notes	Sampled by
411801	5722500	718275	Black Spruce	Line 411800	27th July 2021		Richard Brett
411802	5722444	718276	Black Spruce	Line 411800	27th July 2021		Richard Brett
411800	5722401	718277	Black Spruce	Line 411800	27th July 2021	outcrop seds	Richard Brett
411802	5722348	718278	Black Spruce	Line 411800	27th July 2021		Richard Brett
411801	5722301	718279	Black Spruce	Line 411800	27th July 2021		Richard Brett
411801	5722250	718280	Black Spruce	Line 411800	27th July 2021		Richard Brett
411802	5722198	718281	Black Spruce	Line 411800	27th July 2021		Richard Brett
411801	5722149	718282	Black Spruce	Line 411800	27th July 2021		Richard Brett
411801	5722100	718283	Black Spruce	Line 411800	27th July 2021		Richard Brett
411801	5722049	718284	Black Spruce	Line 411800	27th July 2021		Richard Brett
411799	5721997	718285	Black Spruce	Line 411800	27th July 2021		Richard Brett
411802	5721950	718286	Black Spruce	Line 411800	27th July 2021		Richard Brett
411800	5721899	718287	Black Spruce	Line 411800	27th July 2021		Richard Brett
411802	5721851	718288	Black Spruce	Line 411800	27th July 2021		Richard Brett
411798	5721799	718289	Black Spruce	Line 411800	27th July 2021		Richard Brett
411803	5721748	718290	Black Spruce	Line 411800	27th July 2021		Richard Brett
411093	5721195	718291	Black Spruce	Line 411100	29th July 2021	open swamp	Kelvin/Pius
411101	5721152	718292	Black Spruce	Line 411100	29th July 2021	open swamp	Kelvin/Pius
411093	5721103	718293	Black Spruce	Line 411100	29th July 2021	outcrop, swamp	Kelvin/Pius
411096	5721051	718294	Black Spruce	Line 411100	29th July 2021	spruce, alder	Kelvin/Pius
411100	5721001	718295	Black Spruce	Line 411100	29th July 2021	spruce, alder	Kelvin/Pius
411101	5720959	718296	Black Spruce	Line 411100	29th July 2021	spruce, alder	Kelvin/Pius
411103	5720903	718297	Black Spruce	Line 411100	29th July 2021	spruce, alder	Kelvin/Pius
411098	5720857	718298	Black Spruce	Line 411100	29th July 2021	spruce, alder	Kelvin/Pius
411098	5720796	718299	Black Spruce	Line 411100	29th July 2021	outcrop, swamp	Kelvin/Pius
411097	5720746	718300	Black Spruce	Line 411100	29th July 2021	outcrop, spruce	Kelvin/Pius
411796	5721137	718301	Black Spruce	Spodumene Dyke Bio Line	30th July 2021	top of main peg outcrop, in amph	Richard Brett
411798	5721134	718302	Black Spruce	Spodumene Dyke Bio Line	30th July 2021	top of outcrop, 10cm peg dyke	Richard Brett
411791	5721140	718303	Black Spruce	Spodumene Dyke Bio Line	30th July 2021	bottom of cliff, amph	Richard Brett
411790	5721158	718304	Black Spruce	Spodumene Dyke Bio Line	30th July 2021	amph	Richard Brett
411791	5721152	718305	Black Spruce	Spodumene Dyke Bio Line	30th July 2021	pegmatite	Richard Brett
411799	5721152	718306	Black Spruce	Spodumene Dyke Bio Line	30th July 2021	pegmatite	Richard Brett
411794	5721161	718307	Black Spruce	Spodumene Dyke Bio Line	30th July 2021	swamp	Richard Brett
411795	5721175	718308	Black Spruce	Spodumene Dyke Bio Line	30th July 2021	swamp	Richard Brett
411791	5721149	718309	Black Spruce	Spodumene Dyke Bio Line	30th July 2021	contact, sample on amph side	Richard Brett
410198	5721201	718310	Black Spruce	Line 410200	31st July 2021	swamp ,outcrop	Kelvin/Pius

E	N	Sample #	Tree species	Line	Date Sampled	Notes	Sampled by
410199	5721255	718311	Black Spruce	Line 410200	31st July 2021	swamp	Kelvin/Pius
410201	5721304	718312	Black Spruce	Line 410200	31st July 2021	swamp	Kelvin/Pius
410198	5721358	718313	Black Spruce	Line 410200	31st July 2021	swamp	Kelvin/Pius
410200	5721400	718314	Black Spruce	Line 410200	31st July 2021	old burn, outcrop	Kelvin/Pius
410205	5721447	718315	Black Spruce	Line 410200	31st July 2021	old burn, outcrop	Kelvin/Pius
410201	5721500	718316	Black Spruce	Line 410200	31st July 2021	old burn, outcrop	Kelvin/Pius
410201	5721551	718317	Black Spruce	Line 410200	31st July 2021	old burn, open	Kelvin/Pius
410201	5721601	718318	Black Spruce	Line 410200	31st July 2021	edge of burn, outcrop	Kelvin/Pius
410201	5721656	718319	Black Spruce	Line 410200	31st July 2021	forest, outcrop	Kelvin/Pius
410200	5721702	718320	Black Spruce	Line 410200	31st July 2021	open, outcrop	Kelvin/Pius
410400	5721702	718321	Black Spruce	Line 410400	31st July 2021	open, dry ground	Kelvin/Pius
410405	5721648	718322	Black Spruce	Line 410400	31st July 2021	open, dry ground	Kelvin/Pius
410400	5721603	718323	Black Spruce	Line 410400	31st July 2021	forest	Kelvin/Pius
410399	5721549	718324	Black Spruce	Line 410400	31st July 2021	old burn edge	Kelvin/Pius
410401	5721502	718325	Black Spruce	Line 410400	31st July 2021	old burn, outcrop	Kelvin/Pius
410402	5721449	718326	Black Spruce	Line 410400	31st July 2021	open swamp	Kelvin/Pius
410400	5721399	718327	Black Spruce	Line 410400	31st July 2021	swamp	Kelvin/Pius
410402	5721349	718328	Black Spruce	Line 410400	31st July 2021	swamp	Kelvin/Pius
410399	5721302	718329	Black Spruce	Line 410400	31st July 2021	swamp	Kelvin/Pius
410400	5721249	718330	Black Spruce	Line 410400	31st July 2021	swamp	Kelvin/Pius
410399	5721202	718331	Black Spruce	Line 410400	31st July 2021	swamp	Kelvin/Pius
413104	5723103	718332	Black Spruce	Line 413100	1st August 2021	swamp, edge of pond	Josh/Kirk
413103	5723049	718333	Black Spruce	Line 413100	1st August 2021	edge of pond	Josh/Kirk
413103	5723000	718334	Black Spruce	Line 413100	1st August 2021	swamp	Josh/Kirk
413100	5722950	718335	Black Spruce	Line 413100	1st August 2021		Josh/Kirk
413100	5722923	718336	Black Spruce	Line 413100	1st August 2021	swamp	Josh/Kirk
413093	5722897	718337	Black Spruce	Line 413100	1st August 2021	open dry overburden	Josh/Kirk
413094	5722848	718338	Black Spruce	Line 413100	1st August 2021	swamp	Josh/Kirk
413107	5722749	718339	Black Spruce	Line 413100	1st August 2021	swamp	Josh/Kirk
413108	5722700	718340	Black Spruce	Line 413100	1st August 2021	swamp	Josh/Kirk
413105	5722648	718341	Black Spruce	Line 413100	1st August 2021	swamp	Josh/Kirk
413104	5722601	718342	Black Spruce	Line 413100	1st August 2021	swamp	Josh/Kirk
413102	5722548	718343	Black Spruce	Line 413100	1st August 2021	swamp	Josh/Kirk
413098	5722499	718344	Black Spruce	Line 413100	1st August 2021	swamp	Josh/Kirk
413102	5722449	718345	Black Spruce	Line 413100	1st August 2021	swamp	Josh/Kirk
413100	5722400	718346	Black Spruce	Line 413100	1st August 2021	swamp	Josh/Kirk
413100	5722341	718347	Black Spruce	Line 413100	1st August 2021	swamp	Josh/Kirk

E	N	Sample #	Tree species	Line	Date Sampled	Notes	Sampled by
413101	5722301	718348	Black Spruce	Line 413100	1st August 2021	swamp	Josh/Kirk
413103	5722249	718349	Black Spruce	Line 413100	1st August 2021	massive rock outcrop	Josh/Kirk
413101	5722198	718350	Black Spruce	Line 413100	1st August 2021	massive rock outcrop	Josh/Kirk
413499	5722710	718351	Black Spruce	Line 413500	27th July 2021	Site 1, spruce stand	Kelvin/Pius
413500	5722770	718352	Black Spruce	Line 413500	27th July 2021	Site 2, spruce stand	Kelvin/Pius
413499	5722805	718353	Black Spruce	Line 413500	27th July 2021	Site 3, spruce stand	Kelvin/Pius
413500	5722861	718354	Black Spruce	Line 413500	27th July 2021	Site 4 spruce stand	Kelvin/Pius
413496	5722912	718355	Black Spruce	Line 413500	27th July 2021	Site 5, spruce stand	Kelvin/Pius
413499	5722962	718356	Black Spruce	Line 413500	27th July 2021	Site 6, spruce stand, alders	Kelvin/Pius
413502	5723002	718357	Black Spruce	Line 413500	27th July 2021	Site 7, spruce stand	Kelvin/Pius
413503	5723052	718358	Black Spruce	Line 413500	27th July 2021	Site 8, spruce stand	Kelvin/Pius
413501	5723100	718359	Black Spruce	Line 413500	27th July 2021	Site 9, spruce stand, swamp	Kelvin/Pius
413301	5723099	718360	Black Spruce	Line 413300	27th July 2021	Site 10, spruce stand	Kelvin/Pius
413302	5723049	718361	Black Spruce	Line 413300	27th July 2021	Site 11, spruce stand	Kelvin/Pius
413302	5722999	718362	Black Spruce	Line 413300	27th July 2021	Site 12, swamp	Kelvin/Pius
413304	5722950	718363	Black Spruce	Line 413300	27th July 2021	Site 13, alders, swamp	Kelvin/Pius
413302	5722899	718364	Black Spruce	Line 413300	27th July 2021	Site 14, spruce, alders	Kelvin/Pius
413300	5722850	718365	Black Spruce	Line 413300	27th July 2021	Site 15, spruce, swamp	Kelvin/Pius
413300	5722804	718366	Black Spruce	Line 413300	27th July 2021	Site 16, spruce, alders	Kelvin/Pius
413302	5722750	718367	Black Spruce	Line 413300	27th July 2021	Site 17, spruce, alders	Kelvin/Pius
413298	5722707	718368	Black Spruce	Line 413300	27th July 2021	Site 18, spruce, alders	Kelvin/Pius
414104	5722693	718369	Black Spruce	Line 414100	28h July 2021	outcrop	Kelvin/Pius
414100	5722757	718370	Black Spruce	Line 414100	28h July 2021	spruce, alders	Kelvin/Pius
414105	5722794	718371	Black Spruce	Line 414100	28h July 2021	open swamp	Kelvin/Pius
414103	5722850	718372	Black Spruce	Line 414100	28h July 2021	outcrop	Kelvin/Pius
414103	5722900	718373	Black Spruce	Line 414100	28h July 2021	swamp	Kelvin/Pius
414103	5722949	718374	Black Spruce	Line 414100	28h July 2021	spruce, alders	Kelvin/Pius
414105	5722998	718375	Black Spruce	Line 414100	28h July 2021	outcrop	Kelvin/Pius
414103	5723057	718376	Black Spruce	Line 414100	28h July 2021	spruce	Kelvin/Pius
414100	5723100	718377	Black Spruce	Line 414100	28h July 2021	spruce	Kelvin/Pius
411093	5720701	718378	Black Spruce	Line 411100	29th July 2021	outcrop, spruce	Kelvin/Pius
411098	5720642	718379	Black Spruce	Line 411100	29th July 2021	outcrop, spruce	Kelvin/Pius
411109	5720605	718380	Black Spruce	Line 411100	29th July 2021	outcrop, spruce	Kelvin/Pius
411101	5720550	718381	Black Spruce	Line 411100	29th July 2021	outcrop, spruce	Kelvin/Pius
411094	5720504	718382	Black Spruce	Line 411100	29th July 2021	swamp	Kelvin/Pius
411106	5720459	718383	Black Spruce	Line 411100	29th July 2021	swamp egde	Kelvin/Pius
411106	5720405	718384	Black Spruce	Line 411100	29th July 2021	swamp egde	Kelvin/Pius
411104	5720357	718385	Black Spruce	Line 411100	29th July 2021	spruce, alders	Kelvin/Pius

E	N	Sample #	Tree species	Line	Date Sampled	Notes	Sampled by
411099	5720306	718386	Black Spruce	Line 411100	29th July 2021	outcrop	Kelvin/Pius
411100	5720256	718387	Black Spruce	Line 411100	29th July 2021	spruce	Kelvin/Pius
414900	5722701	718388	Black Spruce	Line 414900	30th July 2021	edge of swamp, outcrop	Josh/Kirk
414898	5722752	718389	Black Spruce	Line 414900	30th July 2021	swamp, wet	Josh/Kirk
414899	5722800	718390	Black Spruce	Line 414900	30th July 2021	swamp	Josh/Kirk
414899	5722851	718391	Black Spruce	Line 414900	30th July 2021	swamp	Josh/Kirk
414903	5722902	718392	Black Spruce	Line 414900	30th July 2021	dry overburden	Josh/Kirk
414901	5722950	718393	Black Spruce	Line 414900	30th July 2021	outcrop	Josh/Kirk
414900	5723002	718394	Black Spruce	Line 414900	30th July 2021	open dry ground	Josh/Kirk
414899	5723053	718395	Black Spruce	Line 414900	30th July 2021	open, dry forest	Josh/Kirk
414900	5723098	718396	Black Spruce	Line 414900	30th July 2021	outcrop	Josh/Kirk
414701	5723100	718397	Black Spruce	Line 414700	30th July 2021	dry overburden	Josh/Kirk
414701	5723050	718398	Black Spruce	Line 414700	30th July 2021	open dry ground	Josh/Kirk
414700	5723001	718399	Black Spruce	Line 414700	30th July 2021	open forest	Josh/Kirk
414700	5722950	718400	Black Spruce	Line 414700	30th July 2021	open forest	Josh/Kirk
411494	5721205	718401	Black Spruce	Line 411500	27th July 2021	spruce, overburden	Josh/Kirk
411500	5721150	718402	Black Spruce	Line 411500	27th July 2021	spruce forest, outcrop	Josh/Kirk
411499	5721098	718403	Black Spruce	Line 411500	27th July 2021		Josh/Kirk
411499	5721058	718404	Black Spruce	Line 411500	27th July 2021	black spruce forest	Josh/Kirk
411498	5721000	718405	Black Spruce	Line 411500	27th July 2021	swamp, outcrop	Josh/Kirk
411502	5720950	718406	Black Spruce	Line 411500	27th July 2021		Josh/Kirk
411500	5720900	718407	Black Spruce	Line 411500	27th July 2021	outcrop	Josh/Kirk
411500	5720849	718408	Black Spruce	Line 411500	27th July 2021	open forest	Josh/Kirk
411503	5720799	718409	Black Spruce	Line 411500	27th July 2021	open spruce forest	Josh/Kirk
411497	5720748	718410	Black Spruce	Line 411500	27th July 2021	blow down	Josh/Kirk
411496	5720704	718411	Black Spruce	Line 411500	27th July 2021	spruce forest	Josh/Kirk
411498	5720644	718412	Black Spruce	Line 411500	27th July 2021	massive outcrop	Josh/Kirk
411500	5720597	718413	Black Spruce	Line 411500	27th July 2021	swamp	Josh/Kirk
411501	5720549	718414	Black Spruce	Line 411500	27th July 2021	outcrop	Josh/Kirk
411499	5720508	718415	Black Spruce	Line 411500	27th July 2021	edge of swamp, end of line	Josh/Kirk
411300	5720399	718416	Black Spruce	Line 411300	27th July 2021	edge of swamp, end of line	Josh/Kirk
411300	5720452	718417	Black Spruce	Line 411300	27th July 2021	outcrop, open forest	Josh/Kirk
411304	5720503	718418	Black Spruce	Line 411300	27th July 2021	open forest	Josh/Kirk
411301	5720550	718419	Black Spruce	Line 411300	27th July 2021	outcrop	Josh/Kirk
411301	5720602	718420	Black Spruce	Line 411300	27th July 2021	open forest	Josh/Kirk
411299	5720650	718421	Black Spruce	Line 411300	27th July 2021	outcrop	Josh/Kirk
411300	5720701	718422	Black Spruce	Line 411300	27th July 2021	outcrop	Josh/Kirk
411302	5720750	718423	Black Spruce	Line 411300	27th July 2021	outcrop	Josh/Kirk

E	N	Sample #	Tree species	Line	Date Sampled	Notes	Sampled by
411302	5720804	718424	Black Spruce	Line 411300	27th July 2021	open forest	Josh/Kirk
411300	5720850	718425	Black Spruce	Line 411300	27th July 2021	open forest	Josh/Kirk
411304	5720901	718426	Black Spruce	Line 411300	27th July 2021	open forest	Josh/Kirk
411301	5720949	718427	Black Spruce	Line 411300	27th July 2021	swamp	Josh/Kirk
411300	5721000	718428	Black Spruce	Line 411300	27th July 2021	swamp	Josh/Kirk
411302	5721052	718429	Black Spruce	Line 411300	27th July 2021	outcrop, edge of swamp	Josh/Kirk
411302	5721103	718430	Black Spruce	Line 411300	27th July 2021	outcrop	Josh/Kirk
411299	5721155	718431	Black Spruce	Line 411300	27th July 2021	open forest	Josh/Kirk
411299	5721197	718432	Black Spruce	Line 411300	27th July 2021	outcrop	Josh/Kirk
409602	5721198	718433	Black Spruce	Line 409600	28th July 2021	swampy, open forest	Josh/Kirk
409600	5721248	718434	Black Spruce	Line 409600	28th July 2021	swamp	Josh/Kirk
409599	5721301	718435	Black Spruce	Line 409600	28th July 2021	swamp	Josh/Kirk
409597	5721349	718436	Black Spruce	Line 409600	28th July 2021	dry ground	Josh/Kirk
409602	5721399	718437	Black Spruce	Line 409600	28th July 2021	spruce forest	Josh/Kirk
409603	5721448	718438	Black Spruce	Line 409600	28th July 2021	outcrop	Josh/Kirk
409601	5721499	718439	Black Spruce	Line 409600	28th July 2021	swamp	Josh/Kirk
409598	5721555	718440	Black Spruce	Line 409600	28th July 2021	swamp	Josh/Kirk
409600	5721598	718441	Black Spruce	Line 409600	28th July 2021	swamp	Josh/Kirk
409600	5721653	718442	Black Spruce	Line 409600	28th July 2021	outcrop	Josh/Kirk
409601	5721699	718443	Black Spruce	Line 409600	28th July 2021	massive outcrop	Josh/Kirk
409804	5721695	718444	Black Spruce	Line 409800	28th July 2021	open forest	Josh/Kirk
409804	5721648	718445	Black Spruce	Line 409800	28th July 2021	open forest	Josh/Kirk
409802	5721595	718446	Black Spruce	Line 409800	28th July 2021	swamp	Josh/Kirk
409798	5721550	718447	Black Spruce	Line 409800	28th July 2021	open forest	Josh/Kirk
409802	5721503	718448	Black Spruce	Line 409800	28th July 2021	open forest	Josh/Kirk
409800	5721450	718449	Black Spruce	Line 409800	28th July 2021	outcrop	Josh/Kirk
409803	5721400	718450	Black Spruce	Line 409800	28th July 2021	outcrop	Josh/Kirk
409801	5721350	718451	Black Spruce	Line 409800	28th July 2021	outcrop	Josh/Kirk
409803	5721298	718452	Black Spruce	Line 409800	28th July 2021	swamp	Josh/Kirk
409798	5721247	718453	Black Spruce	Line 409800	28th July 2021	swamp	Josh/Kirk
409799	5721199	718454	Black Spruce	Line 410000	28th July 2021	rock, open forest	Josh/Kirk
410000	5721201	718455	Black Spruce	Line 410000	28th July 2021	swamp	Josh/Kirk
410002	5721251	718456	Black Spruce	Line 410000	28th July 2021	swamp	Josh/Kirk
410002	5721302	718457	Black Spruce	Line 410000	28th July 2021	dry swamp	Josh/Kirk
410002	5721352	718458	Black Spruce	Line 410000	28th July 2021	swamp	Josh/Kirk
410001	5721404	718459	Black Spruce	Line 410000	28th July 2021	swamp	Josh/Kirk
409997	5721451	718460	Black Spruce	Line 410000	28th July 2021	old burn, open	Josh/Kirk
410001	5721501	718461	Black Spruce	Line 410000	28th July 2021	old burn, open	Josh/Kirk

E	N	Sample #	Tree species	Line	Date Sampled	Notes	Sampled by
410000	5721551	718462	Black Spruce	Line 410000	28th July 2021	old burn, open	Josh/Kirk
410002	5721599	718463	Black Spruce	Line 410000	28th July 2021	old burn, outcrop	Josh/Kirk
410000	5721650	718464	Black Spruce	Line 410000	28th July 2021	old burn	Josh/Kirk
410000	5721701	718465	Black Spruce	Line 410000	28th July 2021	outcrop	Josh/Kirk
413899	5722705	718466	Black Spruce	Line 413900	29th July 2021	outcrop	Josh/Kirk
413899	5722753	718467	Black Spruce	Line 413900	29th July 2021	swamp, rock outcrop	Josh/Kirk
413898	5722802	718468	Black Spruce	Line 413900	29th July 2021	swamp, rock outcrop	Josh/Kirk
413903	5722854	718469	Black Spruce	Line 413900	29th July 2021	open swamp	Josh/Kirk
413899	5722901	718470	Black Spruce	Line 413900	29th July 2021	open swamp	Josh/Kirk
413901	5722951	718471	Black Spruce	Line 413900	29th July 2021	dense swamp	Josh/Kirk
413900	5723006	718472	Black Spruce	Line 413900	29th July 2021	swamp, rock outcrop	Josh/Kirk
413902	5723049	718473	Black Spruce	Line 413900	29th July 2021	overburden, dry	Josh/Kirk
413899	5723101	718474	Black Spruce	Line 413900	29th July 2021	outcrop	Josh/Kirk
413701	5723103	718475	Black Spruce	Line 413700	29th July 2021	dry ground, open	Josh/Kirk
413701	5723048	718476	Black Spruce	Line 413700	29th July 2021	swamp	Josh/Kirk
413698	5723002	718477	Black Spruce	Line 413700	29th July 2021	massive rock outcrop	Josh/Kirk
413703	5722949	718478	Black Spruce	Line 413700	29th July 2021	open forest, dry	Josh/Kirk
413701	5722900	718479	Black Spruce	Line 413700	29th July 2021	outcrop, wet swamp	Josh/Kirk
413700	5722852	718480	Black Spruce	Line 413700	29th July 2021	swamp	Josh/Kirk
413702	5722800	718481	Black Spruce	Line 413700	29th July 2021	swamp	Josh/Kirk
413701	5722749	718482	Black Spruce	Line 413700	29th July 2021	rock outcrop	Josh/Kirk
413700	5722712	718483	Black Spruce	Line 413700	29th July 2021	rock outcrop	Josh/Kirk
409611	5720702	718484	Black Spruce	Line 413700	29th July 2021	spruce	Josh/Kirk
409603	5720650	718485	Black Spruce	Line 409600	30th July 2021	spruce	Kelvin/Pius
409599	5720604	718486	Black Spruce	Line 409600	30th July 2021	spruce	Kelvin/Pius
409601	5720551	718487	Black Spruce	Line 409600	30th July 2021	spruce	Kelvin/Pius
409601	5720503	718488	Black Spruce	Line 409600	30th July 2021	swamp	Kelvin/Pius
409605	5720456	718489	Black Spruce	Line 409600	30th July 2021	spruce stand	Kelvin/Pius
409601	5720404	718490	Black Spruce	Line 409600	30th July 2021	outcrop, swamp	Kelvin/Pius
409600	5720346	718491	Black Spruce	Line 409600	30th July 2021	outcrop	Kelvin/Pius
409602	5720305	718492	Black Spruce	Line 409600	30th July 2021	outcrop	Kelvin/Pius
409602	5720254	718493	Black Spruce	Line 409600	30th July 2021	outcrop	Kelvin/Pius
409595	5720202	718494	Black Spruce	Line 409600	30th July 2021	outcrop	Kelvin/Pius
409600	5720157	718495	Black Spruce	Line 409600	30th July 2021	outcrop	Kelvin/Pius
409790	5720149	718496	Black Spruce	Line 409800	30th July 2021	outcrop	Kelvin/Pius
409799	5720200	718497	Black Spruce	Line 409800	30th July 2021	outcrop	Kelvin/Pius
409791	5720252	718498	Black Spruce	Line 409800	30th July 2021	outcrop	Kelvin/Pius
409799	5720300	718499	Black Spruce	Line 409800	30th July 2021	swamp, outcrop	Kelvin/Pius

E	N	Sample #	Tree species	Line	Date Sampled	Notes	Sampled by
409803	5720350	718500	Black Spruce	Line 409800	30th July 2021	outcrop	Kelvin/Pius
409800	5720391	718551	Black Spruce	Line 409800	30th July 2021	swamp	Kelvin/Pius
409795	5720445	718552	Black Spruce	Line 409800	30th July 2021	swamp	Kelvin/Pius
409803	5720495	718553	Black Spruce	Line 409800	30th July 2021	swamp	Kelvin/Pius
410800	5721195	718554	Black Spruce	Line 410800	31st July 2021	outcrop	Kelvin/Pius
410799	5721153	718555	Black Spruce	Line 410800	31st July 2021	outcrop	Kelvin/Pius
410798	5721107	718556	Black Spruce	Line 410800	31st July 2021	swamp	Kelvin/Pius
410795	5721054	718557	Black Spruce	Line 410800	31st July 2021	spruce swamp	Kelvin/Pius
410800	5721006	718558	Black Spruce	Line 410800	31st July 2021	outcrop	Kelvin/Pius
410800	5720950	718559	Black Spruce	Line 410800	31st July 2021	swamp	Kelvin/Pius
410795	5720905	718560	Black Spruce	Line 410800	31st July 2021	spruce	Kelvin/Pius
410800	5720853	718561	Black Spruce	Line 410800	31st July 2021	spruce	Kelvin/Pius
410795	5720801	718562	Black Spruce	Line 410800	31st July 2021	swamp	Kelvin/Pius
410800	5720744	718563	Black Spruce	Line 410800	31st July 2021	swamp	Kelvin/Pius
410803	5720705	718564	Black Spruce	Line 410800	31st July 2021	spruce	Kelvin/Pius
410801	5720649	718565	Black Spruce	Line 410800	31st July 2021	outcrop	Kelvin/Pius
410804	5720603	718566	Black Spruce	Line 410800	31st July 2021	outcrop	Kelvin/Pius
410800	5720532	718567	Black Spruce	Line 410800	31st July 2021	outcrop	Kelvin/Pius
410800	5720506	718568	Black Spruce	Line 410800	31st July 2021	outcrop	Kelvin/Pius
410805	5720444	718569	Black Spruce	Line 410800	31st July 2021	outcrop	Kelvin/Pius
410801	5720401	718570	Black Spruce	Line 410800	31st July 2021	spruce	Kelvin/Pius
410800	5720401	718571	Black Spruce	Line 410800	31st July 2021	spruce	Kelvin/Pius
413101	5722101	718572	Black Spruce	Line 413100	1st August 2021	swamp	Josh/Kirk
413103	5722040	718573	Black Spruce	Line 413100	1st August 2021	massive rock outcrop, rocks have 'white ice cubes'	Josh/Kirk
413101	5721998	718574	Black Spruce	Line 413100	1st August 2021	outcrop	Josh/Kirk
413103	5721944	718575	Black Spruce	Line 413100	1st August 2021	outcrop	Josh/Kirk
413104	5721896	718576	Black Spruce	Line 413100	1st August 2021	swamp	Josh/Kirk
413103	5721849	718577	Black Spruce	Line 413100	1st August 2021	swamp	Josh/Kirk
413100	5721800	718578	Black Spruce	Line 413100	1st August 2021	swamp	Josh/Kirk
413101	5721750	718579	Black Spruce	Line 413100	1st August 2021	outcrop	Josh/Kirk
413102	5721696	718580	Black Spruce	Line 413100	1st August 2021	swamp, outcrop	Josh/Kirk
413099	5721648	718581	Black Spruce	Line 413100	1st August 2021	swamp	Josh/Kirk
413100	5721601	718582	Black Spruce	Line 413100	1st August 2021	swamp	Josh/Kirk
413101	5721550	718583	Black Spruce	Line 413100	1st August 2021	swamp	Josh/Kirk
413102	5721497	718584	Black Spruce	Line 413100	1st August 2021	swamp	Josh/Kirk
413099	5721449	718585	Black Spruce	Line 413100	1st August 2021	swamp	Josh/Kirk
413099	5721400	718586	Black Spruce	Line 413100	1st August 2021	swamp	Josh/Kirk
413100	5721355	718587	Black Spruce	Line 413100	1st August 2021	edge of Lilypad Lake	Josh/Kirk

E	N	Sample #	Tree species	Line	Date Sampled	Notes	Sampled by
414502	5722646	718588	Black Spruce	Line 414500	2nd August 2021	edge of massive rock outcrop	Josh/Kirk
414505	5722594	718589	Black Spruce	Line 414500	2nd August 2021	edge of massive rock outcrop	Josh/Kirk
414501	5722544	718590	Black Spruce	Line 414500	2nd August 2021	dry open ground, rock	Josh/Kirk
414504	5722500	718591	Black Spruce	Line 414500	2nd August 2021	open swamp, outcrop	Josh/Kirk
414500	5722448	718592	Black Spruce	Line 414500	2nd August 2021	swamp	Josh/Kirk
414493	5722397	718593	Black Spruce	Line 414500	2nd August 2021	swamp	Josh/Kirk
414505	5722349	718594	Black Spruce	Line 414500	2nd August 2021	swamp	Josh/Kirk
414504	5722299	718595	Black Spruce	Line 414500	2nd August 2021	swamp	Josh/Kirk
414700	5722298	718596	Black Spruce	Line 414700	2nd August 2021	dry ground	Josh/Kirk
414702	5722358	718597	Black Spruce	Line 414700	2nd August 2021	swamp	Josh/Kirk
414704	5722401	718598	Black Spruce	Line 414700	2nd August 2021	spruce stand	Josh/Kirk
414699	5722447	718599	Black Spruce	Line 414700	2nd August 2021	spruce stand	Josh/Kirk
414704	5722505	718600	Black Spruce	Line 414700	2nd August 2021	spruce stand	Josh/Kirk
414700	5722898	718601	Black Spruce	Line 414700	30th July 2021	swamp	Josh/Kirk
414702	5722849	718602	Black Spruce	Line 414700	30th July 2021	swamp	Josh/Kirk
414702	5722799	718603	Black Spruce	Line 414700	30th July 2021	open ground, dry	Josh/Kirk
414701	5722749	718604	Black Spruce	Line 414700	30th July 2021	swamp	Josh/Kirk
414702	5722702	718605	Black Spruce	Line 414700	30th July 2021	swamp	Josh/Kirk
414497	5722701	718606	Black Spruce	Line 414500	30th July 2021	swamp	Josh/Kirk
414500	5722750	718607	Black Spruce	Line 414500	30th July 2021	swamp	Josh/Kirk
414491	5722811	718608	Black Spruce	Line 414500	30th July 2021	open ground, dry	Josh/Kirk
411804	5721105	718609	Black Spruce	Spodumene Dyke Bio Line	31st July 2021	amph outcrop, top of hill	Richard Brett
411800	5721116	718610	Black Spruce	Spodumene Dyke Bio Line	31st July 2021		Richard Brett
411800	5721109	718611	Black Spruce	Spodumene Dyke Bio Line	31st July 2021	edge of amphibolite cliff	Richard Brett
411804	5721100	718612	Black Spruce	Spodumene Dyke Bio Line	31st July 2021		Richard Brett
411804	5721099	718613	Black Spruce	Spodumene Dyke Bio Line	31st July 2021		Richard Brett
414700	5722554	718614	Black Spruce	Line 414700	2nd August 2021	spruce stand	Josh/Kirk
414700	5722600	718615	Black Spruce	Line 414700	2nd August 2021	spruce stand	Josh/Kirk
414699	5722652	718616	Black Spruce	Line 414700	2nd August 2021	open ground, dry	Josh/Kirk
414899	5722650	718617	Black Spruce	Line 414900	2nd August 2021	open ground, dry	Josh/Kirk
414897	5722591	718618	Black Spruce	Line 414900	2nd August 2021	open ground, dry	Josh/Kirk
414906	5722570	718619	Black Spruce	Line 414900	2nd August 2021	creek edge	Josh/Kirk
415099	5722683	718620	Black Spruce	Line 415100	2nd August 2021	dry ground, open	Josh/Kirk
415096	5722707	718621	Black Spruce	Line 415100	2nd August 2021	open forest	Josh/Kirk
415101	5722754	718622	Black Spruce	Line 415100	2nd August 2021	open, outcrop, high ground	Josh/Kirk
415103	5722809	718623	Black Spruce	Line 415100	2nd August 2021	swamp	Josh/Kirk
415102	5722853	718624	Black Spruce	Line 415100	2nd August 2021	swamp	Josh/Kirk

E	N	Sample #	Tree species	Line	Date Sampled	Notes	Sampled by
415100	5722909	718625	Black Spruce	Line 415100	2nd August 2021	swamp	Josh/Kirk
415100	5722957	718626	Black Spruce	Line 415100	2nd August 2021	dry, rocky ground	Josh/Kirk
415102	5723009	718627	Black Spruce	Line 415100	2nd August 2021	edge of pond	Josh/Kirk
415097	5723061	718628	Black Spruce	Line 415100	2nd August 2021	edge of pond	Josh/Kirk
415099	5723101	718629	Black Spruce	Line 415100	2nd August 2021	spruce stand	Josh/Kirk
414497	5722859	718630	Black Spruce	Line 414500	3rd August 2021	swamp	Josh/Kirk
414500	5722899	718631	Black Spruce	Line 414500	3rd August 2021	dry ground,	Josh/Kirk
414503	5722957	718632	Black Spruce	Line 414500	3rd August 2021	swamp	Josh/Kirk
414499	5722999	718633	Black Spruce	Line 414500	3rd August 2021		Josh/Kirk
414505	5723051	718634	Black Spruce	Line 414500	3rd August 2021	swamp	Josh/Kirk
414503	5723102	718635	Black Spruce	Line 414500	3rd August 2021	dry open ground	Josh/Kirk
414305	5723100	718636	Black Spruce	Line 414300	3rd August 2021	dry, open ground	Josh/Kirk
414300	5723045	718637	Black Spruce	Line 414300	3rd August 2021	spruce stand	Josh/Kirk
414302	5723001	718638	Black Spruce	Line 414300	3rd August 2021	open, dry ground	Josh/Kirk
414303	5722944	718639	Black Spruce	Line 414300	3rd August 2021	swamp	Josh/Kirk
414302	5722896	718640	Black Spruce	Line 414300	3rd August 2021	swamp	Josh/Kirk
414301	5722845	718641	Black Spruce	Line 414300	3rd August 2021	outcrop	Josh/Kirk
414300	5722795	718642	Black Spruce	Line 414300	3rd August 2021	open dry ground	Josh/Kirk
414298	5722750	718643	Black Spruce	Line 414300	3rd August 2021	outcrop	Josh/Kirk
414301	5722703	718644	Black Spruce	Line 414300	3rd August 2021	outcrop	Josh/Kirk
414302	5722648	718645	Black Spruce	Line 414300	3rd August 2021	open dry ground, rocks	Josh/Kirk
414304	5722603	718646	Black Spruce	Line 414300	3rd August 2021	open dry ground, rocks	Josh/Kirk
414299	5722550	718647	Black Spruce	Line 414300	3rd August 2021	open dry swamp	Josh/Kirk
414302	5722500	718648	Black Spruce	Line 414300	3rd August 2021	blow down	Josh/Kirk
414301	5722450	718649	Black Spruce	Line 414300	3rd August 2021	forest	Josh/Kirk
414303	5722393	718650	Black Spruce	Line 414300	3rd August 2021	swamp	Josh/Kirk
414303	5722350	718651	Black Spruce	Line 414300	3rd August 2021	swamp	Josh/Kirk
414301	5722307	718652	Black Spruce	Line 414300	3rd August 2021	swamp	Josh/Kirk
414196	5721581	718653	Black Spruce	Line 414200	4th August 2021	swamp, edge of lake	Josh/Kirk
414197	5721602	718654	Black Spruce	Line 414200	4th August 2021	open, dry ground	Josh/Kirk
414199	5721650	718655	Black Spruce	Line 414200	4th August 2021	open, dry ground	Josh/Kirk
414201	5721702	718656	Black Spruce	Line 414200	4th August 2021	swamp	Josh/Kirk
414202	5721751	718657	Black Spruce	Line 414200	4th August 2021	dry open ground, outcrop	Josh/Kirk
414203	5721804	718658	Black Spruce	Line 414200	4th August 2021	swamp	Josh/Kirk
414203	5721851	718659	Black Spruce	Line 414200	4th August 2021	swamp	Josh/Kirk
414199	5721906	718660	Black Spruce	Line 414200	4th August 2021	spruce stand	Josh/Kirk
414202	5721953	718661	Black Spruce	Line 414200	4th August 2021	swamp	Josh/Kirk
414200	5722002	718662	Black Spruce	Line 414200	4th August 2021	swamp	Josh/Kirk

E	N	Sample #	Tree species	Line	Date Sampled	Notes	Sampled by
414201	5722051	718663	Black Spruce	Line 414200	4th August 2021	swamp	Josh/Kirk
414199	5722101	718664	Black Spruce	Line 414200	4th August 2021	swamp	Josh/Kirk
414196	5722153	718665	Black Spruce	Line 414200	4th August 2021	swamp	Josh/Kirk
414197	5722203	718666	Black Spruce	Line 414200	4th August 2021	swamp	Josh/Kirk
414202	5722253	718667	Black Spruce	Line 414200	4th August 2021	swamp	Josh/Kirk
414200	5722304	718668	Black Spruce	Line 414200	4th August 2021	swamp	Josh/Kirk
414205	5722354	718669	Black Spruce	Line 414200	4th August 2021	swamp	Josh/Kirk
414205	5722409	718670	Black Spruce	Line 414200	4th August 2021	high ground, possible outcrop	Josh/Kirk
414207	5722455	718671	Black Spruce	Line 414200	4th August 2021	spruce stand, outcrop	Josh/Kirk
414206	5722504	718672	Black Spruce	Line 414200	4th August 2021	massive rock outcrop	Josh/Kirk
414204	5722549	718673	Black Spruce	Line 414200	4th August 2021	outcrop	Josh/Kirk
414200	5722600	718674	Black Spruce	Line 414200	4th August 2021	swamp	Josh/Kirk
414195	5722657	718675	Black Spruce	Line 414200	4th August 2021	massive rock outcrop	Josh/Kirk
414199	5722694	718676	Black Spruce	Line 414200	4th August 2021	outcrop	Josh/Kirk
413494	5721505	718677	Black Spruce	Line 413500	4th August 2021	edge of lake	Josh/Kirk
413500	5721561	718678	Black Spruce	Line 413500	4th August 2021	open, outcrop	Josh/Kirk
413499	5721604	718679	Black Spruce	Line 413500	4th August 2021	poplar stand	Josh/Kirk
413501	5721655	718680	Black Spruce	Line 413500	4th August 2021	open dry ground, outcrop	Josh/Kirk
413500	5721706	718681	Black Spruce	Line 413500	4th August 2021	open dry ground, outcrop	Josh/Kirk
413501	5721763	718682	Black Spruce	Line 413500	4th August 2021	swamp	Josh/Kirk
413502	5721804	718683	Black Spruce	Line 413500	4th August 2021	dry, open ground	Josh/Kirk
413502	5721854	718684	Black Spruce	Line 413500	4th August 2021	dry, open ground	Josh/Kirk
413503	5721902	718685	Black Spruce	Line 413500	4th August 2021	dry, open ground	Josh/Kirk
413502	5721952	718686	Black Spruce	Line 413500	4th August 2021	dry, open ground	Josh/Kirk
413504	5722003	718687	Black Spruce	Line 413500	4th August 2021	dry, open ground	Josh/Kirk
413506	5722060	718688	Black Spruce	Line 413500	4th August 2021	dry swamp	Josh/Kirk
413506	5722103	718689	Black Spruce	Line 413500	4th August 2021	swamp	Josh/Kirk
413503	5722155	718690	Black Spruce	Line 413500	4th August 2021	swamp	Josh/Kirk
413504	5722199	718691	Black Spruce	Line 413500	4th August 2021	swamp	Josh/Kirk
413498	5722253	718692	Black Spruce	Line 413500	4th August 2021	swamp	Josh/Kirk
413502	5722306	718693	Black Spruce	Line 413500	4th August 2021	swamp	Josh/Kirk
409401	5721250	718694	Black Spruce	Line 409400	6th August 2021	swamp	Josh/Kirk
409349	5721301	718695	Black Spruce	Line 409400	6th August 2021	edge of old burn	Josh/Kirk
409400	5721351	718696	Black Spruce	Line 409400	6th August 2021	old burn, outcrop	Josh/Kirk
409402	5721402	718697	Black Spruce	Line 409400	6th August 2021	old burn	Josh/Kirk
409399	5721449	718698	Black Spruce	Line 409400	6th August 2021	old burn	Josh/Kirk
409400	5721509	718699	Black Spruce	Line 409400	6th August 2021	old burn, outcrop	Josh/Kirk
409399	5721553	718700	Black Spruce	Line 409400	6th August 2021	old burn	Josh/Kirk

E	N	Sample #	Tree species	Line	Date Sampled	Notes	Sampled by
409402	5721499	718701	Black Spruce	Line 409400	6th August 2021	swamp	Josh/Kirk
409400	5721148	718702	Black Spruce	Line 409400	6th August 2021	swamp	Josh/Kirk
409400	5721096	718703	Black Spruce	Line 409400	6th August 2021	swamp	Josh/Kirk
409400	5721049	718704	Black Spruce	Line 409400	6th August 2021	swamp	Josh/Kirk
409398	5720998	718705	Black Spruce	Line 409400	6th August 2021	swamp	Josh/Kirk
409401	5720951	718706	Black Spruce	Line 409400	6th August 2021	swamp	Josh/Kirk
409407	5720898	718707	Black Spruce	Line 409400	6th August 2021	swamp	Josh/Kirk
409402	5720847	718708	Black Spruce	Line 409400	6th August 2021	swamp	Josh/Kirk
409403	5720795	718709	Black Spruce	Line 409400	6th August 2021	swamp, edge of creek	Josh/Kirk
409403	5720754	718710	Black Spruce	Line 409400	6th August 2021	swamp, edge of outcrop	Josh/Kirk
409600	5720751	718711	Black Spruce	Line 409600	6th August 2021	massive rock outcrop, ice cubes and rust	Josh/Kirk
409598	5720802	718712	Black Spruce	Line 409600	6th August 2021	massive rock outcrop, ice cubes and rust	Josh/Kirk
409600	5720853	718713	Black Spruce	Line 409600	6th August 2021	open dry ground	Josh/Kirk
409604	5720900	718714	Black Spruce	Line 409600	6th August 2021	outcrop	Josh/Kirk
409600	5720949	718715	Black Spruce	Line 409600	6th August 2021	swamp	Josh/Kirk
409603	5721000	718716	Black Spruce	Line 409600	6th August 2021	cedar stand	Josh/Kirk
409602	5721053	718717	Black Spruce	Line 409600	6th August 2021	outcrop	Josh/Kirk
409594	5721105	718718	Black Spruce	Line 409600	6th August 2021	outcrop	Josh/Kirk
409604	5721155	718719	Black Spruce	Line 409600	6th August 2021	dry open ground	Josh/Kirk
409801	5721148	718720	Black Spruce	Line 409800	6th August 2021	dry open ground	Josh/Kirk
409802	5721103	718721	Black Spruce	Line 409800	6th August 2021	dry open ground	Josh/Kirk
409805	5721052	718722	Black Spruce	Line 409800	6th August 2021	dry open ground	Josh/Kirk
409802	5721993	718723	Black Spruce	Line 409800	6th August 2021	swamp	Josh/Kirk
409802	5720951	718724	Black Spruce	Line 409800	6th August 2021	swamp	Josh/Kirk
409798	5720901	718725	Black Spruce	Line 409800	6th August 2021	swamp	Josh/Kirk
409801	5720850	718726	Black Spruce	Line 409800	6th August 2021	swamp	Josh/Kirk
409799	5720800	718727	Black Spruce	Line 409800	6th August 2021	swamp, outcrop	Josh/Kirk
409801	5720748	718728	Black Spruce	Line 409800	6th August 2021	swamp	Josh/Kirk
409801	5720702	718729	Black Spruce	Line 409800	6th August 2021	swamp	Josh/Kirk
409800	5720649	718730	Black Spruce	Line 409800	6th August 2021	swamp	Josh/Kirk
409802	5720600	718731	Black Spruce	Line 409800	6th August 2021	swamp	Josh/Kirk
409804	5720551	718732	Black Spruce	Line 409800	6th August 2021	swamp	Josh/Kirk
412899	5721125	718733	Black Spruce	Line 412900	7th August 2021	edge of outcrop, lake	Josh/Kirk
412903	5721152	718734	Black Spruce	Line 412900	7th August 2021	high ground, bedrock	Josh/Kirk
412900	5721202	718735	Black Spruce	Line 412900	7th August 2021	open dry ground	Josh/Kirk
412902	5721250	718736	Black Spruce	Line 412900	7th August 2021	open dry ground, outcrop	Josh/Kirk
412904	5721301	718737	Black Spruce	Line 412900	7th August 2021	outcrop	Josh/Kirk

E	N	Sample #	Tree species	Line	Date Sampled	Notes	Sampled by
412895	5721353	718738	Black Spruce	Line 412900	7th August 2021	forest	Josh/Kirk
412904	5721410	718739	Black Spruce	Line 412900	7th August 2021	edge of outcrop, swamp	Josh/Kirk
412900	5721454	718740	Black Spruce	Line 412900	7th August 2021	swamp	Josh/Kirk
412902	5721503	718741	Black Spruce	Line 412900	7th August 2021	swamp	Josh/Kirk
412900	5721551	718742	Black Spruce	Line 412900	7th August 2021	dry swamp	Josh/Kirk
412900	5721599	718743	Black Spruce	Line 412900	7th August 2021	wet swamp	Josh/Kirk
412899	5721653	718744	Black Spruce	Line 412900	7th August 2021	wet swamp	Josh/Kirk
412901	5721700	718745	Black Spruce	Line 412900	7th August 2021	swamp	Josh/Kirk
412901	5721751	718746	Black Spruce	Line 412900	7th August 2021	swamp	Josh/Kirk
412899	5721801	718747	Black Spruce	Line 412900	7th August 2021	swamp	Josh/Kirk
412900	5721853	718748	Black Spruce	Line 412900	7th August 2021	swamp	Josh/Kirk
412898	5721904	718749	Black Spruce	Line 412900	7th August 2021	swamp	Josh/Kirk
412897	5721951	718750	Black Spruce	Line 412900	7th August 2021	massive rock outcrop	Josh/Kirk
412499	5722698	718751	Black Spruce	Line 412500	6th August 2021	edge of swamp	Kelvin/Pius
412500	5722656	718752	Black Spruce	Line 412500	6th August 2021	swamp	Kelvin/Pius
412501	5722603	718753	Black Spruce	Line 412500	6th August 2021	outcrop, spruce stand	Kelvin/Pius
412506	5722556	718754	Black Spruce	Line 412500	6th August 2021	outcrop, spruce stand	Kelvin/Pius
412494	5722510	718755	Black Spruce	Line 412500	6th August 2021	outcrop, edge of swamp	Kelvin/Pius
412499	5722458	718756	Black Spruce	Line 412500	6th August 2021	swamp	Kelvin/Pius
412497	5722408	718757	Black Spruce	Line 412500	6th August 2021	swamp	Kelvin/Pius
412501	5722347	718758	Black Spruce	Line 412500	6th August 2021	spruce stand, outcrop	Kelvin/Pius
412497	5722301	718759	Black Spruce	Line 412500	6th August 2021	spruce stand, outcrop	Kelvin/Pius
412497	5722247	718760	Black Spruce	Line 412500	6th August 2021	outcrop	Kelvin/Pius
412498	5722200	718761	Black Spruce	Line 412500	6th August 2021	outcrop, edge of pond	Kelvin/Pius
412504	5722152	718762	Black Spruce	Line 412500	6th August 2021	spruce stand, outcrop	Kelvin/Pius
412501	5722100	718763	Black Spruce	Line 412500	6th August 2021	swamp	Kelvin/Pius
412499	5722055	718764	Black Spruce	Line 412500	6th August 2021	swamp	Kelvin/Pius
412501	5722006	718765	Black Spruce	Line 412500	6th August 2021	swamp	Kelvin/Pius
412500	5721953	718766	Black Spruce	Line 412500	6th August 2021	swamp	Kelvin/Pius
412500	5721904	718767	Black Spruce	Line 412500	6th August 2021	outcrop, swamp	Kelvin/Pius
412513	5721851	718768	Black Spruce	Line 412500	6th August 2021	outcrop	Kelvin/Pius
412500	5721805	718769	Black Spruce	Line 412500	6th August 2021	outcrop	Kelvin/Pius
412500	5721754	718770	Black Spruce	Line 412500	6th August 2021	outcrop	Kelvin/Pius
412508	5721694	718771	Black Spruce	Line 412500	6th August 2021	swamp	Kelvin/Pius
412499	5721652	718772	Black Spruce	Line 412500	6th August 2021	swamp	Kelvin/Pius
412904	5722000	718773	Black Spruce	Line 412900	7th August 2021	swamp	Josh/Kirk
412902	5722051	718774	Black Spruce	Line 412900	7th August 2021	swamp	Josh/Kirk
412900	5722100	718775	Black Spruce	Line 412900	7th August 2021	swamp	Josh/Kirk

E	N	Sample #	Tree species	Line	Date Sampled	Notes	Sampled by
412901	5722155	718776	Black Spruce	Line 412900	7th August 2021	swamp	Josh/Kirk
412899	5722202	718777	Black Spruce	Line 412900	7th August 2021	swamp	Josh/Kirk
412900	5722230	718778	Black Spruce	Line 412900	7th August 2021	edge of pond	Josh/Kirk

APPENDIX 6: BIOGEOCHEMISTRY (VEGETATION) SAMPLE ANALYSES

Report Version VA21186398 - Finalized
 CLIENT : OPG - Avalon Advanced Materials Inc.
 # of SAMPLES : 270
 DATE RECEIVED : 2021-07-19 DATE FINALIZED : 2021-12-06
 PROJECT : Project 0535
 CERTIFICATE COMMENTS :
 PO NUMBER :

Samples B718001 – B718270 – Section 1

		WEI-21	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41
SAMPLE	MATERIAL	Recvd Wt.	Ag	As	B	Ba	Ca	Cd	Co	Cr	Cs	Cu	Fe	Ga	Hg	K	Li
DESCRIPTION	TYPE	kg	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
B718001	Vegetation	0.3	0.012	0.22	14	12.2	0.43	0.015	0.069	0.59	8.68	2.26	116	0.029	0.026	0.26	0.1
B718002	Vegetation	0.32	0.02	0.09	7	25.5	0.61	0.007	0.035	0.22	56	2.03	52	0.011	0.026	0.27	0.1
B718003	Vegetation	0.46	0.011	0.19	6	22.7	0.24	0.01	0.587	0.51	229	1.81	70	0.019	0.023	0.31	1.4
B718004	Vegetation	0.44	0.037	0.13	10	81.1	0.82	0.014	0.119	0.57	74.6	1.75	83	0.024	0.026	0.27	0.2
B718005	Vegetation	0.38	0.045	0.11	15	35.6	0.64	0.012	0.046	0.4	53.7	2.58	59	0.018	0.015	0.27	0.1
B718006	Vegetation	0.34	0.016	0.11	11	17.5	0.55	0.01	0.049	0.36	3.46	2.03	74	0.02	0.023	0.27	<0.1
B718007	Vegetation	0.24	0.026	0.09	16	60.5	0.73	0.05	0.101	0.3	0.429	2.51	61	0.018	0.038	0.27	0.1
B718008	Vegetation	0.28	0.017	0.06	10	53.2	0.75	0.026	0.07	0.37	0.473	2.27	46	0.013	0.019	0.37	<0.1
B718009	Vegetation	0.32	0.013	0.05	11	46.4	0.64	0.017	0.06	0.23	0.715	1.97	45	0.013	0.028	0.31	0.2
B718010	Vegetation	0.3	0.011	0.04	9	44	0.72	0.015	0.065	0.15	0.529	2.26	30	0.008	0.023	0.46	0.2
B718011	Vegetation	0.2	0.039	0.08	11	53.5	0.54	0.016	0.042	0.25	0.354	2.61	45	0.011	0.014	0.43	0.1
B718012	Vegetation	0.18	0.012	0.07	13	30.5	0.59	0.008	0.027	0.36	0.313	2.18	54	0.012	0.033	0.32	0.2
B718013	Vegetation	0.14	0.035	0.07	16	37.9	0.86	0.012	0.109	0.26	0.922	2.85	57	0.015	0.044	0.37	0.1
B718014	Vegetation	0.1	0.014	0.09	12	16.6	0.61	0.018	0.147	0.29	0.362	2.23	78	0.018	0.039	0.38	0.1
B718015	Vegetation	0.08	0.024	0.09	11	38.8	0.42	0.012	0.085	0.33	0.586	3.14	74	0.019	0.061	0.32	0.1
B718016	Vegetation	0.2	0.023	0.12	10	40	0.66	0.015	0.065	0.48	1.245	3.3	89	0.021	0.066	0.45	0.1
B718017	Vegetation	0.3	0.044	0.08	9	66.6	1.04	0.013	0.047	0.32	8.79	2.51	53	0.013	0.033	0.27	0.1
B718018	Vegetation	0.22	0.021	0.07	13	43.7	0.92	0.012	0.045	0.37	20.6	2.2	48	0.014	0.023	0.29	0.1
B718019	Vegetation	0.14	0.016	0.14	14	24.5	0.58	0.008	0.059	0.26	4.57	2.08	56	0.014	0.04	0.27	<0.1
B718020	Vegetation	0.2	0.014	0.08	17	8.6	0.44	0.011	0.033	0.43	0.764	1.59	77	0.018	0.021	0.28	0.1
B718021	Vegetation	0.16	0.009	0.05	11	10.9	0.41	0.008	0.039	0.22	1.555	1.94	51	0.012	0.027	0.3	<0.1
B718022	Vegetation	0.2	0.028	0.08	13	28.3	0.56	0.009	0.033	0.3	5.63	2.15	68	0.017	0.026	0.27	0.1
B718023	Vegetation	0.18	0.01	0.1	8	25.6	0.75	0.015	0.041	0.38	8.74	2.32	132	0.028	0.035	0.22	0.1
B718024	Vegetation	0.16	0.012	0.1	13	33.9	0.89	0.018	0.055	0.46	6.75	2.51	144	0.035	0.09	0.26	0.1
B718025	Vegetation	0.26	0.029	0.08	11	52.2	0.93	0.013	0.034	0.28	4.31	1.91	75	0.018	0.03	0.17	0.1
B718026	Vegetation	0.12	0.01	0.18	5	23.5	0.56	0.027	0.08	0.54	0.468	2.29	198	0.051	0.084	0.14	0.2
B718027	Vegetation	0.22	0.019	0.08	13	18.4	0.67	0.011	0.035	0.29	0.173	1.92	67	0.019	0.026	0.24	0.1
B718028	Vegetation	0.2	0.014	0.07	19	27.3	0.66	0.012	0.038	0.31	0.314	2	76	0.019	0.031	0.32	0.1
B718029	Vegetation	0.22	0.011	0.11	14	29.8	0.76	0.016	0.029	0.26	0.124	1.87	81	0.022	0.056	0.29	0.1
B718030	Vegetation	0.24	0.023	0.08	11	19.4	0.83	0.012	0.034	0.44	0.136	2.04	82	0.02	0.035	0.23	0.2
B718031	Vegetation	0.26	0.027	0.06	22	11.4	0.64	0.009	0.029	0.32	0.099	1.42	62	0.018	0.019	0.22	0.1
B718032	Vegetation	0.34	0.01	0.05	22	14.8	0.65	0.008	0.028	0.37	0.078	1.64	64	0.018	0.019	0.29	0.1

		WEI-21	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41
SAMPLE	MATERIAL	Recvd Wt.	Ag	As	B	Ba	Ca	Cd	Co	Cr	Cs	Cu	Fe	Ga	Hg	K	Li
DESCRIPTION	TYPE	kg	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
B718033	Vegetation	0.32	0.014	0.05	15	37	0.64	0.013	0.032	0.36	0.126	1.65	68	0.022	0.024	0.28	0.1
B718034	Vegetation	0.2	0.02	0.09	12	24	0.7	0.013	0.043	0.38	0.216	2.41	76	0.02	0.03	0.28	0.1
B718035	Vegetation	0.22	0.013	0.08	9	24.8	0.62	0.011	0.037	0.33	0.241	2.36	91	0.018	0.031	0.27	0.1
B718036	Vegetation	0.26	0.016	0.09	13	35.1	0.78	0.01	0.035	0.51	0.723	2.38	67	0.013	0.023	0.2	0.2
B718037	Vegetation	0.2	0.017	0.09	17	26.8	0.85	0.017	0.051	0.37	2.84	2.56	105	0.026	0.046	0.28	0.1
B718038	Vegetation	0.2	0.014	0.06	17	20.1	0.49	0.007	0.043	0.34	2.01	1.75	63	0.011	0.027	0.32	0.2
B718039	Vegetation	0.46	0.031	0.11	10	22.4	0.5	0.009	0.055	0.51	2.86	2.27	83	0.017	0.021	0.25	0.4
B718040	Vegetation	0.18	0.057	0.14	9	47.6	0.65	0.05	0.159	0.43	4.95	2.53	88	0.023	0.037	0.14	0.2
B718041	Vegetation	0.22	0.03	0.21	13	43.4	0.73	0.024	0.066	0.59	1.545	2.2	178	0.039	0.051	0.17	0.2
B718042	Vegetation	0.18	0.016	0.1	11	80.2	0.86	0.012	0.043	0.47	1.125	2.72	88	0.019	0.032	0.23	0.2
B718043	Vegetation	0.32	0.016	0.1	12	72	0.87	0.01	0.033	0.43	0.074	2.07	76	0.016	0.033	0.27	0.2
B718044	Vegetation	0.22	0.024	0.08	21	53.1	0.86	0.014	0.045	0.48	0.078	1.78	100	0.021	0.025	0.23	0.3
B718045	Vegetation	0.32	0.028	0.08	11	26	0.87	0.008	0.029	0.35	0.073	1.84	60	0.013	0.019	0.25	0.2
B718046	Vegetation	0.38	0.004	0.09	11	41.3	0.64	0.01	0.034	0.54	0.072	1.85	75	0.015	0.024	0.26	0.2
B718047	Vegetation	0.24	0.066	0.06	13	19.8	0.74	0.01	0.034	0.37	0.055	2.14	70	0.015	0.028	0.2	0.2
B718048	Vegetation	0.18	0.016	0.08	6	35	0.42	0.019	0.099	0.4	0.138	3.36	106	0.023	0.071	0.45	0.3
B718049	Vegetation	0.26	0.079	0.04	8	46.1	0.66	0.012	0.065	0.3	0.238	2.47	45	0.011	0.042	0.2	0.3
B718050	Vegetation	0.14	0.006	0.03	17	25.6	0.77	0.01	0.024	0.23	0.069	1.74	44	0.008	0.017	0.22	0.2
B718051	Vegetation	0.28	0.014	0.03	10	40	0.55	0.013	0.105	0.19	0.36	2.17	36	0.008	0.025	0.37	0.3
B718052	Vegetation	0.26	0.094	0.05	10	38.6	0.56	0.026	0.269	0.25	0.194	2.69	67	0.016	0.047	0.24	0.2
B718053	Vegetation	0.4	0.065	0.05	8	64.1	0.51	0.032	0.083	0.46	0.286	2.64	51	0.012	0.025	0.27	0.2
B718054	Vegetation	0.44	0.081	0.11	14	63.1	0.88	0.044	0.223	0.36	0.162	2.8	82	0.02	0.044	0.24	0.2
B718055	Vegetation	0.38	0.033	0.12	10	70	0.65	0.024	0.25	0.34	0.544	3.17	73	0.014	0.061	0.33	0.3
B718056	Vegetation	0.44	0.04	0.09	10	45.8	0.71	0.026	0.095	0.54	0.392	3.02	79	0.017	0.057	0.29	0.3
B718057	Vegetation	0.38	0.05	0.1	8	40.4	0.91	0.012	0.087	0.39	0.36	2.47	65	0.015	0.046	0.19	0.2
B718058	Vegetation	0.42	0.051	0.07	9	59.7	0.6	0.015	0.048	0.66	0.225	2.63	84	0.022	0.065	0.19	0.3
B718059	Vegetation	0.44	0.013	0.08	8	28.7	0.64	0.009	0.027	0.34	0.131	2.22	62	0.013	0.022	0.25	0.1
B718060	Vegetation	0.42	0.044	0.09	11	60.1	0.79	0.02	0.082	0.58	0.676	2.08	87	0.023	0.039	0.19	0.1
B718061	Vegetation	0.4	0.029	0.13	10	26.9	0.63	0.016	0.069	0.65	1.25	2.25	100	0.022	0.036	0.17	0.2
B718062	Vegetation	0.6	0.029	0.18	9	31	0.69	0.015	0.048	0.43	3.04	1.99	96	0.018	0.031	0.25	0.3
B718063	Vegetation	0.48	0.067	0.2	9	41.4	0.94	0.032	0.098	0.57	6.21	2.46	82	0.021	0.048	0.17	0.2
B718064	Vegetation	0.46	0.033	0.13	11	14.6	0.58	0.016	0.05	0.43	1.995	2.08	108	0.024	0.041	0.22	0.2
B718065	Vegetation	0.62	0.032	0.12	9	38.1	0.68	0.018	0.045	0.39	0.935	1.93	93	0.025	0.035	0.25	0.1
B718066	Vegetation	0.42	0.03	0.15	10	15	0.49	0.011	0.074	0.45	1.315	1.95	87	0.019	0.049	0.2	0.2
B718067	Vegetation	0.4	0.047	0.1	9	42.7	0.68	0.022	0.055	0.44	3.9	2.48	87	0.019	0.058	0.24	0.2
B718068	Vegetation	0.48	0.069	0.12	9	49.3	0.87	0.014	0.043	0.44	8.06	2.52	91	0.021	0.037	0.18	0.2
B718069	Vegetation	0.52	0.039	0.09	14	25	0.97	0.014	0.041	0.45	3.88	1.83	94	0.022	0.033	0.2	0.3
B718070	Vegetation	0.52	0.049	0.1	15	45	0.8	0.015	0.036	0.39	3.83	2.07	87	0.02	0.022	0.22	0.2
B718071	Vegetation	0.42	0.021	0.14	7	31.7	0.82	0.018	0.034	0.33	7.86	1.81	104	0.025	0.054	0.23	<0.1
B718072	Vegetation	0.34	0.009	0.07	11	37	0.78	0.01	0.026	0.22	5.48	2.33	66	0.013	0.034	0.22	<0.1
B718073	Vegetation	0.34	0.015	0.09	9	27	0.67	0.014	0.035	0.25	6.18	2.38	82	0.013	0.044	0.22	<0.1
B718074	Vegetation	0.44	0.046	0.07	7	31.9	0.66	0.01	0.03	0.27	5.44	2.55	56	0.011	0.037	0.18	<0.1
B718075	Vegetation	0.38	0.013	0.07	11	29.1	0.75	0.011	0.034	0.26	3.03	1.96	69	0.015	0.031	0.22	<0.1
B718076	Vegetation	0.46	0.037	0.12	11	58.6	0.99	0.047	0.103	0.31	0.268	2.4	53	0.011	0.047	0.17	<0.1
B718077	Vegetation	0.46	0.04	0.12	9	43.4	0.67	0.02	0.081	0.56	0.341	2.16	106	0.024	0.082	0.25	<0.1

		WEI-21	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41
SAMPLE	MATERIAL	Recvd Wt.	Ag	As	B	Ba	Ca	Cd	Co	Cr	Cs	Cu	Fe	Ga	Hg	K	Li	
DESCRIPTION	TYPE	kg	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	
B718078	Vegetation	0.42	0.055	0.05	7	44	0.48	0.014	0.095	0.38	0.392	2.21	59	0.013	0.046	0.14	<0.1	
B718079	Vegetation	0.42	0.055	0.11	9	38.5	0.68	0.044	0.242	0.46	0.138	3.03	58	0.013	0.049	0.2	<0.1	
B718080	Vegetation	0.38	0.048	0.05	9	63.6	0.69	0.015	0.036	0.36	0.194	2.59	74	0.014	0.052	0.19	<0.1	
B718081	Vegetation	0.36	0.037	0.11	10	31.9	0.79	0.01	0.029	0.22	1.475	1.86	62	0.012	0.023	0.21	<0.1	
B718082	Vegetation	0.44	0.062	0.15	7	65.2	0.76	0.016	0.051	0.34	6.34	2.08	89	0.02	0.044	0.27	<0.1	
B718083	Vegetation	0.44	0.046	0.07	10	47.7	0.76	0.024	0.074	0.28	19.35	2.29	76	0.019	0.048	0.27	<0.1	
B718084	Vegetation	0.42	0.054	0.12	9	69.1	0.82	0.025	0.076	0.39	2.86	2.41	111	0.023	0.054	0.22	<0.1	
B718085	Vegetation	0.46	0.057	0.11	10	56.3	0.98	0.026	0.079	0.36	1.78	2.62	117	0.023	0.103	0.19	<0.1	
B718086	Vegetation	0.42	0.029	0.12	12	31.3	0.73	0.01	0.03	0.35	7.96	2.24	89	0.015	0.047	0.34	<0.1	
B718087	Vegetation	0.28	0.025	0.09	10	32.4	0.71	0.019	0.047	0.45	3.77	2.51	148	0.033	0.064	0.19	<0.1	
B718088	Vegetation	0.42	0.067	0.1	12	28.3	0.76	0.014	0.039	0.33	3.21	1.98	93	0.02	0.035	0.18	<0.1	
B718089	Vegetation	0.34	0.014	0.33	10	70.6	0.81	0.009	0.084	0.25	4.62	1.52	124	0.017	0.036	0.22	<0.1	
B718090	Vegetation	0.6	0.027	0.12	14	17.4	0.88	0.015	0.04	0.43	4.37	1.8	84	0.019	0.036	0.19	<0.1	
B718091	Vegetation	0.3	0.095	0.11	8	46.5	0.67	0.087	0.085	0.48	0.921	2.48	61	0.012	0.067	0.11	<0.1	
B718092	Vegetation	0.26	0.096	0.08	7	45.1	0.96	0.035	0.106	0.43	3.38	2.04	53	0.011	0.057	0.14	<0.1	
B718093	Vegetation	0.18	0.103	0.11	7	51.8	0.71	0.042	0.095	0.4	3.69	1.92	62	0.015	0.067	0.12	<0.1	
B718094	Vegetation	0.24	0.094	0.08	7	39.9	0.73	0.053	0.144	0.53	4.35	2.7	61	0.011	0.042	0.18	<0.1	
B718095	Vegetation	0.24	0.049	0.08	7	29	0.61	0.01	0.04	0.36	0.583	1.68	48	0.013	0.03	0.12	<0.1	
B718096	Vegetation	0.14	0.061	0.05	9	49.1	0.65	0.018	0.041	0.27	2.67	2.25	90	0.02	0.041	0.16	<0.1	
B718097	Vegetation	0.22	0.022	0.1	8	24.8	0.86	0.01	0.025	0.42	3.19	2.45	70	0.013	0.044	0.15	<0.1	
B718098	Vegetation	0.22	0.038	0.13	9	25.1	0.88	0.013	0.028	0.37	3.31	1.59	76	0.016	0.048	0.15	<0.1	
B718099	Vegetation	0.2	0.026	0.09	7	26.9	0.92	0.018	0.028	0.31	2.26	1.74	119	0.019	0.064	0.13	<0.1	
B718100	Vegetation	0.22	0.048	0.1	7	37.2	0.89	0.032	0.048	0.63	0.204	1.95	94	0.017	0.034	0.12	<0.1	
B718101	Vegetation	0.24	0.028	0.16	15	47.7	0.73	0.014	0.039	0.5	0.099	2.84	65	0.011	0.02	0.27	<0.1	
B718102	Vegetation	0.28	0.027	0.15	25	48.7	0.84	0.014	0.044	0.47	0.148	2.32	95	0.019	0.025	0.24	<0.1	
B718103	Vegetation	0.2	0.028	0.06	30	127	1.2	0.01	0.027	0.26	2.06	1.73	55	0.011	0.018	0.28	<0.1	
B718104	Vegetation	0.2	0.045	0.14	11	30.1	0.61	0.023	0.157	0.44	10.55	3.19	163	0.025	0.09	0.22	<0.1	
B718105	Vegetation	0.24	0.039	0.13	14	31.3	0.74	0.014	0.038	0.38	26.4	2.04	77	0.02	0.027	0.23	<0.1	
B718106	Vegetation	0.24	0.039	0.11	7	23.7	0.73	0.02	0.041	0.43	1.395	1.8	75	0.015	0.028	0.12	0.2	
B718107	Vegetation	0.28	0.013	0.13	7	38.2	0.61	0.036	0.074	0.5	0.748	2.39	205	0.044	0.063	0.15	0.2	
B718108	Vegetation	0.18	0.013	0.07	13	35.3	0.86	0.017	0.046	0.34	0.147	1.51	101	0.02	0.035	0.21	0.2	
B718109	Vegetation	0.22	0.01	0.05	15	35	0.77	0.012	0.026	0.34	0.103	1.85	57	0.01	0.019	0.25	0.3	
B718110	Vegetation	0.22	0.015	0.05	16	48.8	1.09	0.01	0.028	0.3	0.077	1.28	70	0.013	0.022	0.27	0.2	
B718111	Vegetation	0.18	0.012	0.06	12	25.2	0.47	0.012	0.044	0.5	0.081	1.81	96	0.02	0.02	0.28	0.2	
B718112	Vegetation	0.24	0.021	0.2	11	84.1	1.21	0.021	0.06	0.54	0.342	1.89	160	0.031	0.032	0.24	0.2	
B718113	Vegetation	0.24	0.006	0.11	14	55.7	1.02	0.011	0.044	0.53	0.204	0.98	83	0.015	0.021	0.28	0.2	
B718114	Vegetation	0.22	0.014	0.2	8	38	0.79	0.02	0.072	0.48	0.367	1.37	176	0.034	0.045	0.23	0.2	
B718115	Vegetation	0.24	0.011	0.13	10	32.7	0.66	0.013	0.05	0.39	0.322	1.44	106	0.019	0.026	0.34	0.2	
B718116	Vegetation	0.24	0.009	0.07	16	39.6	0.85	0.015	0.043	0.43	0.884	2.21	91	0.019	0.024	0.24	0.3	
B718117	Vegetation	0.26	0.021	0.09	13	33.8	0.74	0.015	0.048	0.35	1.44	2.31	109	0.022	0.028	0.28	0.3	
B718118	Vegetation	0.22	0.029	0.11	15	39.4	0.89	0.017	0.052	0.3	1.815	2.56	88	0.019	0.032	0.23	0.2	
B718119	Vegetation	0.34	0.041	0.05	9	29.7	0.62	0.021	0.08	0.28	1.92	2.41	82	0.016	0.021	0.24	0.3	
B718120	Vegetation	0.22	0.015	0.07	9	70.7	1.16	0.011	0.032	0.25	0.732	1.22	70	0.014	0.021	0.21	0.3	
B718121	Vegetation	0.12	0.016	0.04	15	40.9	0.82	0.015	0.03	0.23	0.11	1.72	80	0.017	0.018	0.28	0.3	
B718122	Vegetation	0.16	0.017	0.05	18	37.8	1	0.014	0.03	0.28	0.145	2.06	70	0.016	0.022	0.27	0.3	

		WEI-21	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41
SAMPLE	MATERIAL	Recvd Wt.	Ag	As	B	Ba	Ca	Cd	Co	Cr	Cs	Cu	Fe	Ga	Hg	K	Li	
DESCRIPTION	TYPE	kg	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	
B718123	Vegetation	0.18	0.023	0.06	13	44.4	0.67	0.017	0.042	0.25	0.23	1.74	109	0.023	0.033	0.25	0.3	
B718124	Vegetation	0.16	0.014	0.04	11	36.1	0.55	0.009	0.021	0.18	0.075	1.4	55	0.01	0.01	0.3	0.2	
B718125	Vegetation	0.16	0.024	0.05	8	49.6	0.91	0.015	0.025	0.25	0.266	1.45	76	0.016	0.028	0.2	0.3	
B718126	Vegetation	0.18	0.009	0.06	9	37.5	0.66	0.011	0.03	0.2	0.157	1.42	78	0.019	0.018	0.22	0.3	
B718127	Vegetation	0.34	0.019	0.09	9	56	1.16	0.015	0.038	0.3	0.402	1.28	88	0.018	0.034	0.21	0.3	
B718128	Vegetation	0.3	0.007	0.06	12	38.8	0.79	0.012	0.033	0.29	0.612	1.5	81	0.019	0.029	0.21	0.2	
B718129	Vegetation	0.22	0.027	0.06	8	39	0.76	0.014	0.042	0.21	0.245	1.93	70	0.014	0.019	0.21	0.2	
B718130	Vegetation	0.2	0.022	0.09	8	20.3	0.48	0.016	0.081	0.28	0.69	2.59	105	0.023	0.075	0.33	0.3	
B718131	Vegetation	0.28	0.02	0.09	11	38.8	0.7	0.013	0.038	0.28	0.357	2.48	85	0.02	0.028	0.19	0.2	
B718132	Vegetation	0.3	0.026	0.06	9	49.9	0.83	0.024	0.076	0.27	2.74	2.05	82	0.02	0.045	0.14	0.3	
B718133	Vegetation	0.18	0.059	0.03	12	49.6	1.09	0.018	0.032	0.11	12.45	2.29	43	0.009	0.011	0.24	0.2	
B718134	Vegetation	0.18	0.043	0.08	13	45.6	0.68	0.018	0.057	0.18	0.918	2.53	65	0.011	0.026	0.25	0.2	
B718135	Vegetation	0.18	0.02	0.06	9	18.5	0.63	0.012	0.039	0.2	39.2	1.72	80	0.018	0.022	0.22	0.3	
B718136	Vegetation	0.24	0.015	0.04	12	7.7	0.61	0.009	0.033	0.17	4.83	2.01	57	0.013	0.026	0.25	0.3	
B718137	Vegetation	0.34	0.01	0.03	15	32.5	0.8	0.01	0.028	1.6	0.238	1.85	61	0.012	0.02	0.3	0.4	
B718138	Vegetation	0.52	0.04	0.1	16	57.9	0.87	0.027	0.046	3.95	0.29	2.24	114	0.024	0.031	0.24	0.3	
B718139	Vegetation	0.44	0.024	0.1	15	49.7	0.71	0.018	0.052	2.43	0.417	2.28	128	0.028	0.029	0.3	0.3	
B718140	Vegetation	0.66	0.006	0.08	8	27.2	0.79	0.009	0.024	1.11	0.137	1.26	60	0.011	0.016	0.3	0.2	
B718141	Vegetation	0.58	0.012	0.05	13	38.5	0.8	0.014	0.037	1.52	0.132	1.38	96	0.02	0.026	0.22	<0.1	
B718142	Vegetation	0.56	0.01	0.07	12	46.8	0.95	0.01	0.028	0.78	0.106	1.7	76	0.014	0.024	0.28	<0.1	
B718143	Vegetation	0.7	0.024	0.09	13	58.1	0.95	0.014	0.047	0.96	0.219	2.93	126	0.025	0.027	0.2	<0.1	
B718144	Vegetation	0.48	0.018	0.08	20	43.9	0.79	0.011	0.036	0.89	0.049	2.17	97	0.021	0.026	0.25	<0.1	
B718145	Vegetation	0.38	0.009	0.07	13	21.7	0.58	0.014	0.046	0.74	0.031	1.73	105	0.022	0.022	0.24	<0.1	
B718146	Vegetation	0.3	0.012	0.05	18	39.3	0.79	0.012	0.031	0.55	0.03	1.94	74	0.014	0.023	0.28	<0.1	
B718147	Vegetation	0.88	0.004	0.06	7	15	0.43	0.005	0.091	0.35	0.066	1.99	46	0.009	0.02	0.3	<0.1	
B718148	Vegetation	0.66	0.017	0.1	11	52.7	0.66	0.016	0.057	0.53	0.153	1.86	102	0.022	0.035	0.29	<0.1	
B718149	Vegetation	0.42	0.01	0.04	9	15.2	0.6	0.009	0.025	0.32	0.6	1.6	55	0.012	0.016	0.28	<0.1	
B718150	Vegetation	0.62	0.027	0.1	11	28.9	0.69	0.019	0.046	0.5	3.27	2.04	103	0.024	0.029	0.26	<0.1	
B718151	Vegetation	0.24	0.036	0.05	10	48	0.97	0.022	0.03	0.22	0.152	1.73	96	0.024	0.041	0.15	<0.1	
B718152	Vegetation	0.28	0.019	0.04	13	51.9	0.85	0.019	0.032	0.3	0.107	1.43	94	0.022	0.033	0.15	<0.1	
B718153	Vegetation	0.3	0.019	0.08	9	46.4	0.81	0.019	0.033	0.37	0.193	1.38	97	0.022	0.033	0.18	<0.1	
B718154	Vegetation	0.26	0.032	0.06	8	36.1	0.9	0.015	0.028	0.25	0.218	1.2	89	0.02	0.046	0.13	<0.1	
B718155	Vegetation	0.22	0.019	0.07	8	42.8	0.94	0.018	0.044	0.33	0.205	1.37	122	0.03	0.053	0.16	<0.1	
B718156	Vegetation	0.24	0.02	0.09	7	37	0.89	0.017	0.031	0.25	0.316	1.3	113	0.023	0.052	0.15	<0.1	
B718157	Vegetation	0.28	0.032	0.05	9	49.1	0.68	0.014	0.036	0.18	0.268	2.59	77	0.019	0.033	0.19	<0.1	
B718158	Vegetation	0.22	0.088	0.05	7	41.3	0.59	0.022	0.028	0.35	0.294	1.57	65	0.017	0.039	0.09	<0.1	
B718159	Vegetation	0.18	0.12	0.03	6	80.4	0.66	0.044	0.205	0.28	0.482	2.02	51	0.011	0.061	0.11	<0.1	
B718160	Vegetation	0.18	0.072	0.12	8	72.6	0.75	0.027	0.126	0.34	0.474	2.08	160	0.029	0.141	0.14	<0.1	
B718161	Vegetation	0.26	0.065	0.05	6	51.3	0.79	0.02	0.032	0.31	0.518	1.63	55	0.013	0.051	0.08	<0.1	
B718162	Vegetation	0.34	0.019	0.06	11	32.7	0.71	0.018	0.042	0.2	1.735	2.42	62	0.013	0.041	0.28	<0.1	
B718163	Vegetation	0.24	0.079	0.05	10	46.1	0.77	0.028	0.093	0.25	7.65	2.28	74	0.016	0.049	0.24	<0.1	
B718164	Vegetation	0.24	0.045	0.09	8	35	0.66	0.016	0.039	0.33	3.33	1.84	90	0.022	0.026	0.18	<0.1	
B718165	Vegetation	0.26	0.018	0.06	11	21.1	0.83	0.013	0.033	0.37	2.5	1.75	97	0.023	0.048	0.16	<0.1	
B718166	Vegetation	0.34	0.017	0.09	13	32.6	0.85	0.016	0.041	0.3	2.41	1.72	87	0.016	0.038	0.24	<0.1	
B718167	Vegetation	0.26	0.028	0.09	9	36.7	0.87	0.025	0.045	0.34	0.825	1.51	144	0.038	0.063	0.19	<0.1	

		WEI-21	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41
SAMPLE	MATERIAL	Recvd Wt.	Ag	As	B	Ba	Ca	Cd	Co	Cr	Cs	Cu	Fe	Ga	Hg	K	Li
DESCRIPTION	TYPE	kg	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
B718168	Vegetation	0.26	0.022	0.05	10	34.6	0.86	0.014	0.031	0.27	1.04	1.6	87	0.018	0.038	0.19	<0.1
B718169	Vegetation	0.28	0.039	0.05	7	53.8	0.69	0.032	0.034	0.38	0.254	2	70	0.015	0.054	0.11	<0.1
B718170	Vegetation	0.26	0.03	0.03	13	31.4	0.83	0.014	0.025	0.24	0.097	1.77	65	0.014	0.023	0.18	<0.1
B718171	Vegetation	0.28	0.014	0.07	12	34.5	0.89	0.02	0.04	0.3	0.186	1.86	121	0.023	0.049	0.15	<0.1
B718172	Vegetation	0.2	0.021	0.07	11	34.9	0.7	0.009	0.024	0.2	0.105	2.36	77	0.016	0.035	0.18	<0.1
B718173	Vegetation	0.26	0.021	0.09	16	46.5	1.03	0.014	0.028	0.22	0.209	1.55	85	0.018	0.03	0.23	<0.1
B718174	Vegetation	0.24	0.018	0.07	10	24.9	0.76	0.009	0.026	0.26	0.385	1.23	72	0.016	0.038	0.19	<0.1
B718175	Vegetation	0.26	0.027	0.1	8	44.1	0.91	0.027	0.037	0.33	0.155	1.5	125	0.033	0.083	0.12	<0.1
B718176	Vegetation	0.24	0.021	0.05	10	40.3	0.94	0.019	0.031	0.26	0.187	1.76	76	0.023	0.056	0.17	0.3
B718177	Vegetation	0.28	0.03	0.06	12	37.5	0.81	0.019	0.029	0.29	0.144	1.69	62	0.014	0.03	0.17	0.2
B718178	Vegetation	0.3	0.037	0.08	11	42.7	0.88	0.013	0.042	0.34	0.375	1.76	74	0.014	0.04	0.19	0.2
B718179	Vegetation	0.24	0.01	0.07	12	55.3	0.81	0.044	0.174	0.3	0.097	2.69	66	0.014	0.029	0.21	0.3
B718180	Vegetation	0.24	0.085	0.05	7	48	0.73	0.043	0.063	0.21	0.21	1.99	44	0.008	0.048	0.17	0.2
B718181	Vegetation	0.24	0.082	0.1	6	58.1	0.72	0.019	0.071	0.35	0.372	1.69	92	0.023	0.055	0.11	0.3
B718182	Vegetation	0.24	0.064	0.07	12	28	0.77	0.015	0.047	0.3	0.09	2.17	107	0.026	0.05	0.22	0.3
B718183	Vegetation	0.3	0.067	0.04	9	35	0.62	0.026	0.038	0.3	0.087	1.58	67	0.016	0.031	0.15	0.3
B718184	Vegetation	0.32	0.023	0.06	6	35.2	0.87	0.015	0.024	0.35	0.208	1.44	73	0.018	0.036	0.12	0.3
B718185	Vegetation	0.34	0.055	0.08	7	53	1.1	0.023	0.031	0.36	0.292	1.33	89	0.021	0.05	0.15	0.3
B718186	Vegetation	0.32	0.03	0.06	7	36.4	0.89	0.026	0.04	0.39	0.342	1.57	109	0.026	0.057	0.11	0.3
B718187	Vegetation	0.32	0.035	0.06	8	45	1.01	0.027	0.036	0.46	0.297	1.31	106	0.027	0.061	0.11	0.3
B718188	Vegetation	0.3	0.017	0.03	6	25	0.6	0.01	0.02	0.25	0.182	0.98	45	0.01	0.03	0.09	0.2
B718189	Vegetation	0.32	0.026	0.03	7	18.6	0.43	0.012	0.033	0.21	0.111	1.82	42	0.008	0.019	0.13	0.2
B718190	Vegetation	0.42	0.065	0.05	8	29.7	0.64	0.018	0.027	0.29	0.144	1.43	54	0.012	0.038	0.14	0.3
B718191	Vegetation	0.28	0.028	0.05	8	40.8	0.81	0.016	0.032	0.3	0.065	1.74	73	0.018	0.044	0.13	0.4
B718192	Vegetation	0.38	0.041	0.04	5	56	0.56	0.016	0.022	0.23	0.082	1.52	49	0.012	0.04	0.08	0.3
B718193	Vegetation	0.32	0.02	0.06	8	30.8	0.89	0.012	0.022	0.22	0.245	1.06	62	0.013	0.038	0.15	0.3
B718194	Vegetation	0.34	0.041	0.08	8	51.3	0.83	0.028	0.041	0.46	0.173	2.13	126	0.031	0.051	0.14	0.4
B718195	Vegetation	0.34	0.047	0.06	7	48.6	0.79	0.02	0.034	1.36	0.302	1.66	59	0.011	0.038	0.09	0.3
B718196	Vegetation	0.34	0.026	0.06	7	22.9	0.85	0.011	0.032	1.05	0.658	1.54	67	0.017	0.046	0.13	0.3
B718197	Vegetation	0.3	0.093	0.05	6	53.9	0.77	0.025	0.053	0.72	0.975	1.27	52	0.013	0.053	0.11	0.3
B718198	Vegetation	0.32	0.052	0.04	6	72.8	0.55	0.092	0.09	0.49	0.581	2.12	32	0.008	0.012	0.17	0.2
B718199	Vegetation	0.14	0.192	0.14	9	103	1.12	0.029	0.133	0.49	6.19	1.55	132	0.034	0.062	0.12	0.4
B718200	Vegetation	0.16	0.042	0.06	15	32	0.69	0.013	0.033	0.3	2.65	1.73	58	0.014	0.024	0.22	0.2
B718201	Vegetation	0.34	0.007	0.06	14	34.1	0.78	0.007	0.03	0.28	0.26	1.66	57	0.013	0.021	0.21	0.3
B718202	Vegetation	0.2	0.01	0.12	9	18.5	0.58	0.011	0.034	0.33	0.07	2.06	77	0.014	0.029	0.27	0.3
B718203	Vegetation	0.3	0.01	0.06	11	32.9	0.8	0.011	0.03	0.24	0.152	1.89	78	0.016	0.041	0.33	0.3
B718204	Vegetation	0.24	0.008	0.04	9	46.1	0.95	0.007	0.018	0.18	0.047	1.8	48	0.011	0.02	0.29	0.3
B718205	Vegetation	0.24	0.027	0.04	17	46.7	1.03	0.01	0.026	0.24	0.103	2.12	62	0.014	0.022	0.22	0.2
B718206	Vegetation	0.3	0.01	0.04	13	29.6	0.7	0.007	0.022	0.21	0.354	1.7	54	0.011	0.017	0.29	0.3
B718207	Vegetation	0.32	0.027	0.05	11	56.4	0.78	0.013	0.033	0.21	0.138	1.64	58	0.011	0.014	0.26	0.3
B718208	Vegetation	0.26	0.019	0.04	10	49.2	0.76	0.012	0.024	0.19	0.142	2.74	72	0.009	0.031	0.34	0.3
B718209	Vegetation	0.24	0.005	0.05	16	25.2	0.73	0.011	0.029	0.28	0.069	1.74	70	0.016	0.023	0.3	0.4
B718210	Vegetation	0.3	0.016	0.05	21	41.8	0.94	0.011	0.037	0.27	0.039	2.42	72	0.016	0.027	0.31	0.3
B718211	Vegetation	0.28	0.02	0.09	16	31.8	0.63	0.009	0.04	0.25	0.204	2.63	68	0.013	0.033	0.34	<0.1
B718212	Vegetation	0.34	0.04	0.05	16	79.4	0.83	0.016	0.054	0.2	0.139	2.14	55	0.009	0.022	0.38	<0.1

		WEI-21	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41
SAMPLE	MATERIAL	Recvd Wt.	Ag	As	B	Ba	Ca	Cd	Co	Cr	Cs	Cu	Fe	Ga	Hg	K	Li	
DESCRIPTION	TYPE	kg	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	
B718213	Vegetation	0.38	0.007	0.08	17	32.2	0.65	0.012	0.031	0.33	0.067	1.87	79	0.02	0.032	0.29	<0.1	
B718214	Vegetation	0.44	0.015	0.08	10	44.9	0.7	0.014	0.036	0.44	0.104	2.01	90	0.022	0.037	0.23	<0.1	
B718215	Vegetation	0.34	0.018	0.08	12	34.9	0.59	0.009	0.029	0.27	0.069	1.91	74	0.012	0.025	0.23	<0.1	
B718216	Vegetation	0.46	0.011	0.08	14	45.9	0.69	0.014	0.037	0.36	1.365	2.24	87	0.017	0.022	0.28	<0.1	
B718217	Vegetation	0.44	0.019	0.08	23	58.8	0.71	0.015	0.049	0.4	1.555	2.35	107	0.02	0.035	0.25	<0.1	
B718218	Vegetation	0.5	0.033	0.09	13	49.6	0.81	0.019	0.057	0.22	0.518	2.18	63	0.011	0.024	0.28	<0.1	
B718219	Vegetation	0.6	0.021	0.07	10	29.1	0.6	0.006	0.038	0.28	4.98	1.77	47	0.007	0.014	0.38	<0.1	
B718220	Vegetation	0.38	0.029	0.11	11	34.6	0.62	0.01	0.045	0.36	13.05	1.86	65	0.012	0.026	0.33	<0.1	
B718221	Vegetation	0.82	0.019	0.05	12	53.8	0.87	0.011	0.055	0.37	2.04	1.42	51	0.012	0.017	0.33	<0.1	
B718222	Vegetation	0.48	0.021	0.07	10	46.4	0.81	0.013	0.05	0.34	0.708	1.7	71	0.013	0.019	0.31	<0.1	
B718223	Vegetation	0.4	0.036	0.11	14	44.1	0.69	0.016	0.052	0.32	0.52	2.8	82	0.019	0.053	0.4	<0.1	
B718224	Vegetation	0.62	0.016	0.07	9	77.8	0.95	0.02	0.048	0.3	0.215	2.15	86	0.018	0.032	0.24	<0.1	
B718225	Vegetation	0.52	0.055	0.11	8	19.8	0.52	0.021	0.077	0.42	0.216	2.54	101	0.018	0.058	0.21	<0.1	
B718226	Vegetation	0.74	0.045	0.09	6	78.2	0.73	0.019	0.047	0.39	0.613	2.75	97	0.018	0.057	0.17	<0.1	
B718227	Vegetation	0.52	0.013	0.09	7	94.3	0.87	0.03	0.077	0.41	8.37	2.66	74	0.016	0.035	0.24	<0.1	
B718228	Vegetation	0.38	0.013	0.11	9	19.6	0.62	0.024	0.05	0.45	2.9	2.65	140	0.027	0.043	0.27	<0.1	
B718229	Vegetation	0.42	0.02	0.13	16	33.6	0.67	0.009	0.036	0.28	7.36	2.24	67	0.012	0.021	0.28	<0.1	
B718230	Vegetation	0.48	0.011	0.07	12	14.2	0.78	0.016	0.04	0.35	0.852	1.8	96	0.023	0.031	0.24	<0.1	
B718231	Vegetation	0.46	0.02	0.05	17	37.6	0.63	0.009	0.025	0.2	0.344	2.02	64	0.011	0.02	0.31	<0.1	
B718232	Vegetation	0.64	0.03	0.06	13	46.4	1.1	0.014	0.031	0.21	1.06	1.79	63	0.013	0.029	0.4	<0.1	
B718233	Vegetation	0.58	0.049	0.05	10	43.4	0.92	0.025	0.101	0.28	1.605	2.72	68	0.011	0.036	0.23	<0.1	
B718234	Vegetation	0.64	0.02	0.14	9	32.1	0.92	0.015	0.044	0.29	6.45	1.83	103	0.025	0.036	0.22	<0.1	
B718235	Vegetation	0.4	0.015	0.08	9	41.2	0.74	0.012	0.033	0.27	1.585	2.55	71	0.014	0.073	0.25	<0.1	
B718236	Vegetation	0.48	0.014	0.15	12	42.6	0.89	0.011	0.037	0.22	1.06	2.11	76	0.015	0.032	0.32	<0.1	
B718237	Vegetation	0.44	0.026	0.46	9	50.4	1.12	0.024	0.069	0.26	1.335	2.74	140	0.016	0.026	0.29	<0.1	
B718238	Vegetation	0.24	0.015	0.08	11	59.6	1.24	0.018	0.029	0.2	0.286	2.26	70	0.013	0.026	0.24	<0.1	
B718239	Vegetation	0.3	0.011	0.17	14	22.3	0.67	0.023	0.058	0.29	0.133	2.06	117	0.02	0.036	0.27	<0.1	
B718240	Vegetation	0.38	0.018	0.06	20	20.3	1.07	0.014	0.032	0.28	0.121	1.75	82	0.016	0.024	0.24	<0.1	
B718241	Vegetation	0.46	0.008	0.07	12	10.2	0.65	0.014	0.034	0.3	0.144	1.78	95	0.024	0.036	0.21	<0.1	
B718242	Vegetation	0.48	0.019	0.06	12	18.3	0.81	0.012	0.027	0.23	0.13	1.65	81	0.016	0.032	0.22	<0.1	
B718243	Vegetation	0.36	0.029	0.09	11	19.1	0.71	0.011	0.032	0.26	0.278	1.77	83	0.018	0.02	0.22	<0.1	
B718244	Vegetation	0.44	0.012	0.12	7	20.8	0.42	0.013	0.058	0.31	1.585	2.07	102	0.018	0.022	0.19	<0.1	
B718245	Vegetation	0.5	0.017	0.1	13	36.9	0.77	0.017	0.05	0.21	4.49	1.96	86	0.01	0.019	0.31	<0.1	
B718246	Vegetation	0.38	0.018	0.07	12	34.4	0.79	0.013	0.039	0.3	0.412	2	98	0.018	0.025	0.22	<0.1	
B718247	Vegetation	0.36	0.01	0.08	11	38.4	0.7	0.014	0.039	0.38	0.79	2.05	96	0.022	0.034	0.23	<0.1	
B718248	Vegetation	0.42	0.011	0.12	9	38.3	0.61	0.012	0.044	0.34	0.91	1.89	97	0.018	0.026	0.25	<0.1	
B718249	Vegetation	0.38	0.023	0.09	9	25.3	0.63	0.008	0.049	0.27	1.72	2.45	69	0.013	0.022	0.25	<0.1	
B718250	Vegetation	0.1	0.016	0.13	13	17	0.67	0.009	0.029	0.2	2.16	2.41	68	0.014	0.037	0.29	<0.1	
B718251	Vegetation	0.2	0.042	0.17	8	36.1	0.57	0.017	0.144	0.15	40.3	2.64	71	0.014	0.023	0.15	<0.1	
B718252	Vegetation	0.36	0.071	0.11	7	85.1	0.86	0.015	0.047	0.34	2.03	1.72	67	0.009	0.023	0.16	<0.1	
B718253	Vegetation	0.18	0.047	0.1	11	74.1	1.13	0.012	0.039	0.23	3.01	1.61	81	0.016	0.027	0.18	<0.1	
B718254	Vegetation	0.24	0.197	0.06	9	37.2	0.68	0.016	0.026	0.28	2.43	1.38	67	0.01	0.037	0.13	<0.1	
B718255	Vegetation	0.24	0.025	0.05	12	22.3	0.46	0.013	0.025	0.24	1.53	1.83	64	0.012	0.017	0.23	<0.1	
B718256	Vegetation	0.12	0.029	0.22	6	64.3	0.78	0.033	0.095	0.36	12.2	2.22	95	0.02	0.021	0.16	0.2	
B718257	Vegetation	0.14	0.023	0.11	9	39.7	0.85	0.042	0.089	0.21	11.4	2.55	68	0.013	0.022	0.16	<0.1	

		WEI-21	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41
SAMPLE	MATERIAL	Recvd Wt.	Ag	As	B	Ba	Ca	Cd	Co	Cr	Cs	Cu	Fe	Ga	Hg	K	Li
DESCRIPTION	TYPE	kg	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
B718258	Vegetation	0.14	0.017	0.09	12	39.5	0.76	0.012	0.046	0.17	27.8	1.97	63	0.011	0.027	0.21	<0.1
B718259	Vegetation	0.22	0.025	0.06	23	24.5	0.83	0.009	0.026	0.19	12.35	1.93	67	0.012	0.015	0.24	<0.1
B718260	Vegetation	0.16	0.029	0.17	20	48.6	0.98	0.028	0.049	0.16	15.65	2.09	50	0.009	0.021	0.21	<0.1
B718261	Vegetation	0.16	0.035	0.32	7	56.3	0.74	0.021	0.188	0.27	5.84	7.09	105	0.023	0.021	0.19	0.1
B718262	Vegetation	0.22	0.047	0.18	10	41.4	0.66	0.017	0.282	0.16	13.25	2.5	54	0.008	0.014	0.27	<0.1
B718263	Vegetation	0.18	0.038	0.3	11	20.1	0.68	0.022	0.158	0.15	10.6	2.14	64	0.012	0.019	0.32	0.1
B718264	Vegetation	0.18	0.019	0.12	10	14.8	0.56	0.019	0.061	0.22	6.54	2.01	110	0.018	0.032	0.28	<0.1
B718265	Vegetation	0.18	0.038	0.09	6	30.6	0.79	0.012	0.066	0.19	3.96	1.92	73	0.016	0.022	0.19	<0.1
B718266	Vegetation	0.18	0.019	0.1	12	25.9	0.72	0.01	0.063	0.95	4.41	1.91	60	0.01	0.017	0.23	0.5
B718267	Vegetation	0.16	0.029	0.07	19	25.1	0.91	0.01	0.076	0.2	32.2	2.14	64	0.013	0.016	0.26	<0.1
B718268	Vegetation	0.14	0.053	0.1	18	92.2	1.12	0.012	0.139	0.19	29.9	1.96	62	0.01	0.016	0.25	<0.1
B718269	Vegetation	0.28	0.027	0.07	16	68.5	0.68	0.035	0.153	0.13	12.35	2.45	39	0.007	0.01	0.3	<0.1
B718270	Vegetation	0.2	0.025	0.12	14	41.5	0.5	0.011	0.115	0.19	10.25	3.76	61	0.01	0.011	0.33	<0.1

Report Version VA21186398 - Finalized
CLIENT : OPG - Avalon Advanced Materials Inc.
of SAMPLES : 270
DATE RECEIVED : 2021-07-19 DATE FINALIZED : 2021-12-06
PROJECT : Project 0535
CERTIFICATE COMMENTS :
PO NUMBER :

Samples B718001 – B718270 – Section 2

		ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41
SAMPLE	MATERIAL	Mg	Mn	Na	Ni	P	Pb	Rb	Sb	Se	Sn	Sr	Th	Tl	V	W	Zn
DESCRIPTION	TYPE	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
B718001	Vegetation	0.056	787	0.003	0.55	0.052	0.4	6.08	0.06	0.073	0.02	3.85	0.025	0.043	0.27	0.37	34.6
B718002	Vegetation	0.079	882	0.004	0.46	0.073	0.19	25.5	0.03	0.033	0.01	6.95	0.01	0.012	0.15	0.15	52.2
B718003	Vegetation	0.044	377	0.003	0.88	0.076	0.25	42.3	0.02	0.056	0.01	6.7	0.014	1.26	0.18	0.43	32.5
B718004	Vegetation	0.04	985	0.006	0.58	0.056	0.23	18.65	0.02	0.054	0.01	16.4	0.017	0.073	0.22	0.45	71.7
B718005	Vegetation	0.046	1165	0.009	0.79	0.06	0.13	15.05	0.02	0.034	0.04	5.28	0.011	0.236	0.15	0.28	49.9
B718006	Vegetation	0.049	1295	0.003	0.33	0.063	0.24	6.8	0.03	0.045	0.06	3.88	0.014	0.003	0.18	0.17	46.6
B718007	Vegetation	0.089	2360	0.003	0.52	0.092	0.16	11.4	0.02	0.036	0.03	12.85	0.011	0.017	0.15	0.19	73.8
B718008	Vegetation	0.067	1490	0.001	0.54	0.097	0.1	16.55	0.01	0.03	0.03	12.15	0.007	0.061	0.12	0.21	73.3
B718009	Vegetation	0.077	808	0.002	0.57	0.097	0.13	11.65	0.01	0.06	0.04	20	0.007	0.072	0.14	0.11	55.4
B718010	Vegetation	0.092	1290	0.002	0.78	0.115	0.06	15.15	0.01	0.021	0.03	15.2	0.003	0.002	0.09	0.11	82.2
B718011	Vegetation	0.071	1060	0.001	0.66	0.125	0.1	15.2	0.01	0.025	0.05	14.05	0.007	0.041	0.12	0.16	63.5
B718012	Vegetation	0.076	298	0.003	0.27	0.061	0.21	13.4	0.02	0.038	0.06	19.45	0.01	0.051	0.14	0.21	45.4
B718013	Vegetation	0.087	1490	0.003	0.62	0.073	0.27	15.1	0.01	0.043	0.03	6.98	0.009	0.079	0.17	0.14	74.4
B718014	Vegetation	0.073	902	0.002	0.67	0.086	0.36	12.85	0.03	0.064	0.04	7.49	0.014	0.045	0.2	0.11	53.2
B718015	Vegetation	0.072	949	0.002	0.6	0.107	0.39	12.2	0.02	0.069	0.06	10.15	0.009	0.038	0.18	0.13	55
B718016	Vegetation	0.088	217	0.002	0.38	0.105	0.3	15	0.03	0.066	0.05	13.3	0.016	0.004	0.22	0.15	50.6
B718017	Vegetation	0.08	1000	0.003	0.36	0.055	0.14	10.45	0.02	0.037	0.03	22.8	0.01	0.044	0.13	0.15	89.2
B718018	Vegetation	0.049	1150	0.002	0.63	0.063	0.16	12.3	0.01	0.038	0.03	17.85	0.009	0.09	0.14	0.27	87.5
B718019	Vegetation	0.076	1160	0.002	0.46	0.061	0.18	6.66	0.01	0.044	0.04	6.74	0.01	0.042	0.15	0.18	37.8
B718020	Vegetation	0.052	1075	0.002	0.36	0.051	0.22	4.76	0.01	0.048	0.03	2.18	0.014	0.026	0.17	0.17	48
B718021	Vegetation	0.067	709	0.003	0.5	0.058	0.15	7.02	0.01	0.038	0.03	3.96	0.009	0.037	0.15	0.13	30.1
B718022	Vegetation	0.058	692	0.004	0.27	0.053	0.21	8.34	0.01	0.042	0.04	8.99	0.014	0.028	0.18	0.23	39.2
B718023	Vegetation	0.052	77.4	0.068	0.28	0.048	0.6	5.51	0.03	0.071	0.05	20.9	0.022	0.017	0.25	0.18	62.3
B718024	Vegetation	0.074	465	0.003	0.33	0.068	0.81	7.08	0.03	0.095	0.08	17.55	0.026	0.01	0.33	0.21	58.1
B718025	Vegetation	0.072	917	0.002	0.2	0.059	0.26	5.41	0.01	0.047	0.02	18.3	0.015	0.037	0.19	0.07	75.3
B718026	Vegetation	0.069	375	0.003	0.4	0.075	0.78	1.97	0.02	0.133	0.06	9.07	0.039	0.004	0.43	0.09	70.4
B718027	Vegetation	0.074	930	0.003	0.28	0.059	0.28	3.39	0.01	0.049	0.04	4.03	0.015	0.037	0.18	0.19	69.5
B718028	Vegetation	0.074	1345	0.004	0.23	0.057	0.23	6.01	0.02	0.046	0.05	9.73	0.013	0.028	0.18	0.19	56.4
B718029	Vegetation	0.08	906	0.003	0.29	0.065	0.55	3.48	0.03	0.068	0.05	13.7	0.016	0.003	0.21	0.06	71.8
B718030	Vegetation	0.079	637	0.002	0.25	0.055	0.59	4.37	0.02	0.051	0.03	3.49	0.019	0.038	0.21	0.16	67.6
B718031	Vegetation	0.079	1175	0.003	0.26	0.051	0.19	4.45	0.01	0.042	0.04	1.39	0.011	0.023	0.16	0.24	51.4
B718032	Vegetation	0.056	828	0.004	0.28	0.058	0.16	4.86	0.02	0.037	0.03	1.89	0.013	0.017	0.17	0.23	43.9
B718033	Vegetation	0.046	1415	0.002	0.29	0.052	0.32	4.42	0.02	0.056	0.02	3.34	0.014	0.017	0.17	0.22	55.3
B718034	Vegetation	0.056	1345	0.002	0.29	0.063	0.26	5.41	0.03	0.048	0.03	7.11	0.014	0.022	0.17	0.24	58.7
B718035	Vegetation	0.069	286	0.006	0.28	0.061	0.31	5.71	0.04	0.05	0.05	10.15	0.018	0.009	0.2	0.17	59.7

		ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41
SAMPLE	MATERIAL	Mg	Mn	Na	Ni	P	Pb	Rb	Sb	Se	Sn	Sr	Th	Tl	V	W	Zn
DESCRIPTION	TYPE	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
B718036	Vegetation	0.056	317	0.003	0.29	0.041	0.18	5.13	0.02	0.053	0.03	30	0.011	0.014	0.23	0.19	79.3
B718037	Vegetation	0.058	1105	0.004	0.36	0.057	0.4	6.52	0.05	0.093	0.06	9.13	0.022	0.028	0.3	0.16	71.8
B718038	Vegetation	0.087	590	0.003	0.42	0.055	0.14	8.93	0.02	0.048	0.03	5.23	0.008	0.03	0.18	0.18	62.2
B718039	Vegetation	0.055	269	0.004	0.83	0.045	0.3	8.19	0.03	0.074	0.02	14.9	0.014	0.106	0.24	0.15	54.7
B718040	Vegetation	0.062	942	0.005	0.59	0.036	0.68	5.98	0.04	0.087	0.19	10.25	0.016	0.045	0.27	0.05	54.7
B718041	Vegetation	0.05	615	0.004	0.36	0.036	1.43	3.06	0.05	0.119	0.06	12.35	0.034	0.01	0.39	0.13	78.3
B718042	Vegetation	0.066	196	0.004	0.23	0.046	0.4	7.15	0.04	0.075	0.05	32.8	0.017	0.022	0.26	0.12	89.6
B718043	Vegetation	0.053	138.5	0.003	0.22	0.044	0.56	3.33	0.02	0.057	0.07	23.9	0.013	0.009	0.23	0.12	78.2
B718044	Vegetation	0.064	350	0.002	0.26	0.039	0.39	4.27	0.02	0.073	0.03	9.46	0.019	0.003	0.28	0.14	89.8
B718045	Vegetation	0.042	249	0.002	0.19	0.041	0.2	5.57	0.02	0.043	0.03	10.1	0.011	0.002	0.2	0.11	87.5
B718046	Vegetation	0.053	208	0.003	0.24	0.055	0.3	5.74	0.02	0.063	0.03	11.25	0.012	0.018	0.22	0.16	59.6
B718047	Vegetation	0.075	126	0.003	0.29	0.049	0.3	6.16	0.02	0.058	0.03	5.19	0.012	0.057	0.23	0.1	32
B718048	Vegetation	0.06	552	0.004	1.16	0.13	0.45	17.4	0.07	0.097	0.04	10.25	0.014	0.018	0.26	0.08	61.3
B718049	Vegetation	0.05	825	0.004	0.47	0.061	0.25	8.92	0.02	0.048	0.05	11.4	0.008	0.028	0.17	0.12	62.9
B718050	Vegetation	0.074	869	0.004	0.16	0.046	0.17	6.02	0.02	0.04	0.03	5.39	0.007	0.027	0.17	0.06	71.3
B718051	Vegetation	0.061	1160	0.004	0.77	0.109	0.09	13.65	0.02	0.032	0.02	12.95	0.006	0.015	0.15	0.06	50
B718052	Vegetation	0.089	1415	0.005	1.04	0.123	0.21	8.68	0.03	0.063	0.02	16.55	0.009	0.104	0.22	0.07	52.2
B718053	Vegetation	0.055	1540	0.003	0.5	0.093	0.1	9.33	0.03	0.037	0.02	12.15	0.007	0.111	0.19	0.07	79.6
B718054	Vegetation	0.066	2400	0.004	0.61	0.094	0.21	8.45	0.03	0.074	0.03	15.5	0.011	0.084	0.24	0.05	74.5
B718055	Vegetation	0.072	837	0.004	1.39	0.08	0.36	21.3	0.03	0.08	0.02	14.35	0.01	0.02	0.23	0.05	42.6
B718056	Vegetation	0.054	775	0.004	0.69	0.069	0.58	12.3	0.03	0.084	0.02	11	0.013	0.04	0.24	0.08	61
B718057	Vegetation	0.058	432	0.004	0.53	0.045	0.38	7.76	0.02	0.067	0.02	11.2	0.012	0.026	0.22	0.07	47.5
B718058	Vegetation	0.055	238	0.001	0.44	0.04	0.54	4.5	0.02	0.088	0.02	21.5	0.018	0.008	0.28	0.05	53
B718059	Vegetation	0.061	377	0.003	0.21	0.048	0.22	4.72	0.03	0.049	0.02	5.95	0.011	0.013	0.21	0.11	64.6
B718060	Vegetation	0.044	708	0.002	0.41	0.039	0.66	5.92	0.02	0.082	0.03	12.8	0.017	0.013	0.26	0.1	51.6
B718061	Vegetation	0.039	677	0.005	0.5	0.037	0.56	4.82	0.03	0.078	0.03	6.69	0.02	0.012	0.28	0.1	41.5
B718062	Vegetation	0.058	863	0.005	0.56	0.054	0.43	8.96	0.02	0.066	0.02	10.85	0.018	0.199	0.25	0.1	74.8
B718063	Vegetation	0.052	1010	0.005	1.66	0.043	0.47	6.58	0.03	0.077	0.03	8.67	0.013	0.037	0.24	0.07	61.6
B718064	Vegetation	0.042	614	0.004	0.6	0.051	0.56	5.44	0.02	0.081	0.02	4.98	0.023	0.027	0.3	0.11	40.1
B718065	Vegetation	0.058	743	0.003	0.63	0.051	0.65	5.38	0.02	0.079	0.02	11.7	0.019	0.056	0.27	0.1	83
B718066	Vegetation	0.06	378	0.004	0.69	0.054	0.46	6.15	0.02	0.081	0.01	9.1	0.02	0.029	0.24	0.16	52.5
B718067	Vegetation	0.052	529	0.004	0.84	0.048	0.7	7.6	0.02	0.089	0.02	17.3	0.016	0.016	0.26	0.09	54.4
B718068	Vegetation	0.044	274	0.004	0.29	0.035	0.65	6.1	0.02	0.069	0.02	12.4	0.019	0.02	0.26	0.11	70.7
B718069	Vegetation	0.046	404	0.005	0.27	0.038	0.52	4.67	0.02	0.071	0.02	6.54	0.02	0.008	0.27	0.12	62.6
B718070	Vegetation	0.053	452	0.003	0.23	0.038	0.32	5.29	0.03	0.071	0.02	7.67	0.018	0.011	0.25	0.11	71.2
B718071	Vegetation	0.041	67	0.002	0.24	0.042	0.99	6.02	0.03	0.061	0.03	19.85	0.019	0.016	0.22	0.08	68.2
B718072	Vegetation	0.064	104	0.002	0.17	0.055	0.32	5.05	0.03	0.043	0.02	24.6	0.01	0.021	0.13	0.05	61.9
B718073	Vegetation	0.054	69.8	0.003	0.24	0.045	0.39	5.56	0.02	0.047	0.02	15.65	0.012	0.019	0.15	0.05	44.1
B718074	Vegetation	0.048	143	0.003	0.21	0.035	0.4	5.21	0.03	0.043	0.02	13.85	0.01	0.011	0.12	0.05	82.1
B718075	Vegetation	0.047	407	0.002	0.2	0.047	0.24	4.17	0.02	0.046	0.02	8.76	0.013	0.019	0.12	0.06	50.9
B718076	Vegetation	0.058	1435	0.002	0.35	0.065	0.15	5.28	0.03	0.032	0.04	23.4	0.012	0.031	0.09	0.06	67.8
B718077	Vegetation	0.055	529	0.002	1.1	0.064	0.77	8.52	0.04	0.086	0.02	18.15	0.017	0.013	0.2	0.06	64.4
B718078	Vegetation	0.039	378	0.003	0.75	0.045	0.33	6.49	0.03	0.05	0.02	11.35	0.01	0.039	0.13	0.05	51.7
B718079	Vegetation	0.052	1010	0.002	0.7	0.077	0.27	7.87	0.04	0.049	0.01	13	0.008	0.024	0.12	0.08	66.9
B718080	Vegetation	0.05	402	0.003	0.45	0.048	0.7	6.34	0.02	0.063	0.01	15.55	0.013	0.013	0.16	0.05	71.3

		ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41
SAMPLE	MATERIAL	Mg	Mn	Na	Ni	P	Pb	Rb	Sb	Se	Sn	Sr	Th	Tl	V	W	Zn
DESCRIPTION	TYPE	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
B718081	Vegetation	0.073	970	0.004	0.36	0.064	0.35	6.56	0.03	0.032	0.02	10.15	0.011	0.033	0.11	0.07	52.8
B718082	Vegetation	0.041	467	0.006	0.53	0.044	0.75	7.35	0.02	0.061	0.03	13.15	0.015	0.1	0.18	0.06	69.2
B718083	Vegetation	0.055	431	0.007	0.59	0.074	0.51	8.86	0.03	0.068	0.02	15.45	0.013	0.084	0.16	0.06	63.1
B718084	Vegetation	0.061	460	0.007	0.73	0.053	0.58	6.54	0.02	0.079	0.02	15.35	0.018	0.039	0.2	0.08	68.6
B718085	Vegetation	0.05	409	0.006	0.59	0.05	0.96	5.09	0.03	0.091	0.02	14.35	0.021	0.049	0.24	0.07	79.7
B718086	Vegetation	0.05	134	0.004	0.24	0.053	0.26	8.09	0.01	0.058	0.02	17.7	0.014	0.004	0.15	0.11	88.4
B718087	Vegetation	0.038	128.5	0.004	0.33	0.041	1.49	4.29	0.02	0.083	0.03	15.7	0.026	0.011	0.25	0.08	63.7
B718088	Vegetation	0.047	218	0.002	0.24	0.04	0.51	3.26	0.02	0.054	0.01	11.55	0.015	0.012	0.17	0.09	72.5
B718089	Vegetation	0.086	376	0.003	0.18	0.055	0.65	5.53	0.05	0.048	0.02	22.9	0.012	0.026	0.16	0.1	78.9
B718090	Vegetation	0.059	397	0.002	0.33	0.043	0.54	4.32	0.03	0.049	0.02	8.54	0.017	0.005	0.16	0.13	76.6
B718091	Vegetation	0.039	408	0.003	0.48	0.032	0.56	5.36	0.03	0.052	0.01	9.37	0.01	0.045	0.13	0.04	58.6
B718092	Vegetation	0.034	389	0.003	0.37	0.044	0.48	6.58	0.03	0.038	0.02	13.15	0.007	0.038	0.11	0.03	52.3
B718093	Vegetation	0.041	387	0.003	0.58	0.04	0.61	5.61	0.03	0.051	0.03	16.95	0.009	0.083	0.12	0.04	56.8
B718094	Vegetation	0.031	389	0.003	0.45	0.037	0.48	6.04	0.04	0.05	0.08	9.98	0.012	0.019	0.1	0.08	70.3
B718095	Vegetation	0.04	403	0.002	0.56	0.03	0.3	3.05	0.01	0.033	0.02	6.58	0.009	0.033	0.1	0.04	54.9
B718096	Vegetation	0.046	584	0.003	0.24	0.037	0.53	3.09	0.02	0.063	0.01	9.36	0.015	0.029	0.18	0.05	72.9
B718097	Vegetation	0.035	43	0.002	0.3	0.033	0.53	3.27	0.03	0.038	0.01	24.1	0.012	0.004	0.12	0.04	60.4
B718098	Vegetation	0.029	92.4	0.001	0.21	0.033	1.14	3.47	0.03	0.04	0.01	14.35	0.013	0.007	0.16	0.06	59.1
B718099	Vegetation	0.034	265	0.003	0.45	0.035	1.05	2.85	0.03	0.056	0.02	11	0.016	0.009	0.16	0.03	61.2
B718100	Vegetation	0.04	387	0.002	0.41	0.028	0.51	3.35	0.03	0.046	0.02	8.38	0.016	0.015	0.16	0.05	83.1
B718101	Vegetation	0.066	394	0.003	0.32	0.051	0.2	5.75	0.03	0.04	0.03	7.72	0.01	0.031	0.11	0.08	74.9
B718102	Vegetation	0.069	172	0.003	0.46	0.045	0.41	5.06	0.04	0.041	0.03	9.96	0.016	0.015	0.17	0.12	98.2
B718103	Vegetation	0.064	453	0.006	0.25	0.045	0.2	4.04	0.02	0.036	0.02	39.7	0.009	0.014	0.11	0.12	96.2
B718104	Vegetation	0.052	351	0.006	1.11	0.053	0.86	8.4	0.04	0.101	0.03	8.49	0.02	0.005	0.23	0.05	47.3
B718105	Vegetation	0.072	1325	0.008	0.51	0.055	0.3	21.6	0.02	0.045	0.02	4.09	0.013	0.43	0.14	0.14	50.6
B718106	Vegetation	0.033	703	0.005	0.37	0.029	0.38	4	0.04	0.051	0.03	10.65	0.016	0.045	0.15	0.05	54.7
B718107	Vegetation	0.044	637	0.006	0.35	0.047	0.84	3.53	0.06	0.108	0.05	14.7	0.044	0.025	0.36	0.07	77.1
B718108	Vegetation	0.065	676	0.004	0.26	0.045	0.52	3.68	0.03	0.07	0.04	15.45	0.021	0.009	0.21	0.13	75.4
B718109	Vegetation	0.066	1300	0.005	0.24	0.051	0.22	3.37	0.02	0.031	0.03	11.3	0.011	0.012	0.12	0.14	84.8
B718110	Vegetation	0.066	1210	0.004	0.23	0.055	0.21	3.83	0.01	0.035	0.03	14.95	0.011	0.024	0.12	0.16	93.8
B718111	Vegetation	0.044	798	0.002	0.35	0.051	0.3	3.86	0.02	0.068	0.04	7.37	0.019	0.016	0.19	0.18	59.4
B718112	Vegetation	0.037	1220	0.004	0.38	0.05	0.61	4.67	0.04	0.083	0.05	26.7	0.028	0.014	0.26	0.22	102
B718113	Vegetation	0.045	346	0.004	0.33	0.045	0.27	4.76	0.02	0.05	0.05	35.1	0.014	0.009	0.15	0.25	118.5
B718114	Vegetation	0.061	144	0.003	0.34	0.05	0.82	4.71	0.05	0.094	0.05	19.1	0.038	0.01	0.32	0.15	89.4
B718115	Vegetation	0.058	502	0.002	0.27	0.046	0.39	4.3	0.03	0.057	0.04	12.4	0.021	0.012	0.18	0.15	93.3
B718116	Vegetation	0.046	876	0.005	0.29	0.042	0.33	5.36	0.02	0.077	0.04	12.35	0.019	0.013	0.18	0.14	70.4
B718117	Vegetation	0.081	1195	0.005	0.36	0.077	0.37	7.69	0.02	0.071	0.04	3.82	0.02	0.035	0.2	0.1	64.1
B718118	Vegetation	0.062	955	0.004	0.31	0.062	0.37	5.94	0.02	0.065	0.03	6.55	0.016	0.049	0.17	0.14	59.4
B718119	Vegetation	0.035	745	0.006	0.55	0.051	0.3	7.27	0.01	0.05	0.03	4.37	0.019	0.055	0.17	0.09	71.3
B718120	Vegetation	0.063	769	0.007	0.28	0.047	0.25	4.61	0.01	0.037	0.01	29.3	0.014	0.003	0.15	0.06	107
B718121	Vegetation	0.061	1205	0.006	0.2	0.046	0.28	4.33	0.03	0.046	0.02	9.15	0.017	0.01	0.16	0.05	83.1
B718122	Vegetation	0.058	946	0.004	0.22	0.048	0.23	5.65	0.02	0.054	0.02	11.65	0.013	0.003	0.14	0.07	94.3
B718123	Vegetation	0.037	523	0.007	0.2	0.044	0.75	5.36	0.05	0.065	0.03	11.05	0.023	0.011	0.21	0.06	103
B718124	Vegetation	0.049	778	0.006	0.14	0.05	0.19	4.44	0.02	0.032	0.01	8.58	0.01	0.013	0.11	0.06	64.8
B718125	Vegetation	0.041	123	0.004	0.2	0.038	0.81	4.34	0.03	0.05	0.02	17.45	0.015	0.007	0.18	0.07	85.7

		ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41
SAMPLE	MATERIAL	Mg	Mn	Na	Ni	P	Pb	Rb	Sb	Se	Sn	Sr	Th	Tl	V	W	Zn
DESCRIPTION	TYPE	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
B718126	Vegetation	0.039	424	0.005	0.2	0.044	0.31	3.72	0.03	0.054	0.02	12.65	0.015	0.009	0.17	0.06	82
B718127	Vegetation	0.052	548	0.005	0.24	0.045	0.67	4.3	0.02	0.051	0.02	20.2	0.017	0.01	0.18	0.09	95.4
B718128	Vegetation	0.061	541	0.006	0.22	0.045	0.49	4.88	0.02	0.039	0.01	12.9	0.017	0.01	0.17	0.08	74.3
B718129	Vegetation	0.058	568	0.004	0.31	0.045	0.44	3.94	0.03	0.05	0.02	7.31	0.014	0.05	0.15	0.06	78.7
B718130	Vegetation	0.065	250	0.007	0.89	0.079	0.77	7.63	0.04	0.098	0.02	10.7	0.019	0.021	0.23	0.05	51.5
B718131	Vegetation	0.077	638	0.006	0.47	0.049	0.43	4.47	0.03	0.057	0.02	11.7	0.017	0.034	0.18	0.07	76.3
B718132	Vegetation	0.043	952	0.004	1.25	0.046	0.53	6.64	0.03	0.065	0.02	8.44	0.016	0.064	0.17	0.07	51.5
B718133	Vegetation	0.046	3340	0.005	0.3	0.063	0.1	9.36	0.01	0.023	0.01	7.57	0.006	0.089	0.08	0.05	87.2
B718134	Vegetation	0.042	2150	0.006	0.24	0.043	0.26	7.34	0.03	0.042	0.01	9.33	0.012	0.02	0.11	0.06	76.4
B718135	Vegetation	0.058	1045	0.006	0.33	0.052	0.33	15.45	0.02	0.058	0.02	4.62	0.015	0.308	0.16	0.06	50.2
B718136	Vegetation	0.07	929	0.004	0.36	0.054	0.24	5.63	0.02	0.045	0.02	4.42	0.012	0.02	0.12	0.06	62.4
B718137	Vegetation	0.057	579	0.007	0.18	0.063	0.24	5.97	0.13	0.047	0.02	6.41	0.011	0.029	0.13	0.04	64.7
B718138	Vegetation	0.053	686	0.015	0.26	0.06	0.6	4.74	0.23	0.07	0.03	8.75	0.02	0.032	0.22	0.06	78.8
B718139	Vegetation	0.059	850	0.011	0.31	0.056	0.58	6.83	0.15	0.082	0.02	7.73	0.027	0.035	0.24	0.07	57
B718140	Vegetation	0.068	400	0.008	0.14	0.044	0.21	5.55	0.1	0.037	0.02	21	0.011	0.006	0.12	0.06	78.4
B718141	Vegetation	0.059	335	0.006	0.2	0.044	0.46	4.09	0.11	0.062	0.02	23	0.019	0.002	0.19	0.08	67.5
B718142	Vegetation	0.054	382	0.004	0.16	0.052	0.27	4.43	0.07	0.043	0.01	23.2	0.014	0.013	0.17	0.07	73.4
B718143	Vegetation	0.086	373	0.003	0.28	0.042	0.35	5.37	0.06	0.071	0.02	37.2	0.025	0.031	0.23	0.1	125
B718144	Vegetation	0.054	427	0.003	0.25	0.05	0.34	4.41	0.07	0.05	0.02	10.5	0.018	0.002	0.19	0.08	92.4
B718145	Vegetation	0.07	316	0.003	0.21	0.047	0.39	2.87	0.06	0.05	0.02	5.66	0.019	0.014	0.21	0.05	56.7
B718146	Vegetation	0.075	359	0.004	0.17	0.054	0.27	3.31	0.04	0.043	0.02	16.6	0.014	0.003	0.15	0.07	75.2
B718147	Vegetation	0.066	684	0.004	1.01	0.064	0.13	6.94	0.02	0.025	0.01	6.55	0.007	0.002	0.09	0.05	30.2
B718148	Vegetation	0.054	1185	0.003	0.44	0.072	0.46	5.44	0.03	0.063	0.03	9.34	0.016	0.055	0.19	0.07	54.8
B718149	Vegetation	0.064	509	0.004	0.16	0.057	0.22	7.08	0.04	0.036	0.01	4.54	0.01	0.024	0.12	0.04	34.5
B718150	Vegetation	0.075	465	0.005	0.21	0.059	0.27	5.94	0.04	0.056	0.02	7.8	0.018	0.023	0.2	0.05	65
B718151	Vegetation	0.042	502	0.005	0.18	0.036	0.8	3.22	0.02	0.046	0.02	13.35	0.019	0.008	0.21	0.04	86.3
B718152	Vegetation	0.039	589	0.005	0.24	0.03	0.82	2.64	0.02	0.053	0.02	10.15	0.019	0.006	0.19	0.05	72.9
B718153	Vegetation	0.04	573	0.005	0.24	0.039	0.88	3.49	0.02	0.059	0.01	10.5	0.017	0.009	0.2	0.1	98.1
B718154	Vegetation	0.037	167.5	0.003	0.19	0.029	0.93	2.38	0.02	0.059	0.02	15.1	0.018	0.005	0.2	0.07	95.1
B718155	Vegetation	0.036	263	0.006	0.25	0.033	0.79	3.28	0.02	0.076	0.02	19.8	0.022	0.003	0.24	0.06	90.2
B718156	Vegetation	0.041	255	0.004	0.2	0.034	0.87	2.97	0.02	0.07	0.02	14.2	0.019	0.006	0.21	0.05	94.7
B718157	Vegetation	0.032	483	0.003	0.16	0.036	0.51	3.85	0.03	0.065	0.02	15.95	0.015	0.007	0.18	0.03	114
B718158	Vegetation	0.026	509	0.006	0.25	0.019	0.79	2.94	0.02	0.04	0.01	5.76	0.014	0.019	0.16	0.05	68.4
B718159	Vegetation	0.03	383	0.003	0.44	0.034	0.4	4.14	0.02	0.046	0.01	11.4	0.009	0.029	0.12	0.03	45.6
B718160	Vegetation	0.039	288	0.004	0.35	0.04	2.09	5.42	0.04	0.118	0.03	9.99	0.021	0.046	0.25	0.03	38.6
B718161	Vegetation	0.023	187	0.005	0.23	0.02	0.48	3.3	0.02	0.045	0.01	8.7	0.01	0.012	0.13	0.03	32.5
B718162	Vegetation	0.045	659	0.004	0.42	0.056	0.39	6.21	0.02	0.052	0.02	7.93	0.01	0.041	0.12	0.04	73.6
B718163	Vegetation	0.058	601	0.004	0.38	0.06	0.57	8.42	0.02	0.053	0.02	8.47	0.013	0.082	0.16	0.04	69.5
B718164	Vegetation	0.037	442	0.004	0.26	0.032	0.46	3.72	0.02	0.059	0.02	6.1	0.015	0.043	0.19	0.05	63.6
B718165	Vegetation	0.048	444	0.004	0.26	0.038	0.66	3.56	0.02	0.057	0.02	5.35	0.018	0.011	0.2	0.06	79.5
B718166	Vegetation	0.042	649	0.005	0.2	0.038	0.55	4.79	0.02	0.047	0.01	10.6	0.015	0.01	0.17	0.07	101.5
B718167	Vegetation	0.044	458	0.004	0.27	0.04	1.75	3.46	0.03	0.078	0.02	10.35	0.031	0.007	0.29	0.06	67.4
B718168	Vegetation	0.045	458	0.004	0.21	0.038	0.69	3.69	0.02	0.053	0.01	9.57	0.015	0.007	0.17	0.08	85
B718169	Vegetation	0.036	568	0.002	0.25	0.029	0.5	3.37	0.02	0.04	0.01	14.25	0.013	0.02	0.13	0.04	60.4
B718170	Vegetation	0.046	609	0.005	0.18	0.033	0.52	2.94	0.01	0.049	0.01	8.77	0.011	0.009	0.13	0.05	96.9

		ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41
SAMPLE	MATERIAL	Mg	Mn	Na	Ni	P	Pb	Rb	Sb	Se	Sn	Sr	Th	Tl	V	W	Zn
DESCRIPTION	TYPE	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
B718171	Vegetation	0.055	388	0.006	0.25	0.034	1.24	2.82	0.02	0.061	0.02	9.52	0.018	0.015	0.23	0.06	78.8
B718172	Vegetation	0.041	115.5	0.005	0.16	0.039	0.72	2.91	0.02	0.039	0.01	11.45	0.016	0.006	0.16	0.04	67.9
B718173	Vegetation	0.055	416	0.005	0.15	0.044	0.8	3.81	0.02	0.051	0.01	20.2	0.015	0.019	0.17	0.06	109.5
B718174	Vegetation	0.044	264	0.005	0.19	0.039	0.42	3.96	0.02	0.034	0.02	10.85	0.013	0.011	0.15	0.05	63.9
B718175	Vegetation	0.035	339	0.006	0.26	0.027	1.97	2.06	0.03	0.08	0.02	8.01	0.024	0.004	0.26	0.06	63.9
B718176	Vegetation	0.044	565	0.005	0.21	0.038	0.69	3.26	0.02	0.062	0.01	14.95	0.014	0.009	0.17	0.05	77.7
B718177	Vegetation	0.033	1115	0.007	0.21	0.032	0.26	2.72	0.01	0.034	0.01	10.65	0.011	0.008	0.13	0.07	53
B718178	Vegetation	0.081	468	0.006	0.4	0.04	0.59	4.15	0.01	0.041	0.01	15.9	0.016	0.049	0.16	0.07	58.7
B718179	Vegetation	0.057	935	0.007	0.6	0.061	0.23	7.03	0.02	0.041	0.01	11.35	0.01	0.052	0.13	0.03	43.9
B718180	Vegetation	0.038	496	0.006	0.49	0.046	0.26	6.45	0.01	0.047	0.01	13.25	0.005	0.075	0.11	0.04	24.6
B718181	Vegetation	0.029	291	0.007	0.5	0.025	1.28	3.26	0.05	0.073	0.02	11.25	0.018	0.042	0.22	0.04	57.7
B718182	Vegetation	0.043	445	0.007	0.31	0.044	0.54	4.23	0.02	0.05	0.02	4.39	0.022	0.033	0.22	0.06	72.7
B718183	Vegetation	0.038	454	0.007	0.36	0.027	0.71	2.9	0.02	0.044	0.01	8.64	0.013	0.028	0.17	0.07	69
B718184	Vegetation	0.026	192	0.007	0.22	0.021	1.03	2.71	0.02	0.053	0.02	12.95	0.015	0.004	0.18	0.06	73.9
B718185	Vegetation	0.034	213	0.007	0.24	0.028	1.26	3.09	0.02	0.061	0.02	18.1	0.016	0.004	0.2	0.08	60.1
B718186	Vegetation	0.04	324	0.005	0.25	0.028	1.31	2.44	0.02	0.061	0.02	14.1	0.021	0.008	0.23	0.08	73.4
B718187	Vegetation	0.042	272	0.007	0.28	0.026	1.41	2.4	0.02	0.059	0.02	15.4	0.022	0.004	0.24	0.07	95.5
B718188	Vegetation	0.034	152.5	0.006	0.16	0.023	0.44	2.29	0.01	0.028	0.01	10.7	0.007	0.006	0.11	0.05	42.7
B718189	Vegetation	0.053	396	0.007	0.35	0.038	0.23	4.06	0.01	0.021	0.01	3.89	0.007	0.019	0.1	0.06	38.5
B718190	Vegetation	0.035	406	0.005	0.3	0.026	0.51	2.83	0.01	0.032	0.02	10.1	0.01	0.03	0.13	0.07	65.6
B718191	Vegetation	0.041	356	0.007	0.22	0.025	0.72	2.6	0.01	0.049	0.01	13.3	0.014	0.009	0.17	0.06	94.2
B718192	Vegetation	0.032	344	0.005	0.17	0.021	0.42	2.06	0.01	0.035	0.01	11.8	0.008	0.02	0.1	0.06	72.9
B718193	Vegetation	0.032	168.5	0.006	0.15	0.025	0.4	3.32	0.02	0.055	0.01	16.45	0.013	0.003	0.14	0.05	61.7
B718194	Vegetation	0.036	302	0.007	0.32	0.027	1.22	3.21	0.03	0.076	0.04	13.5	0.027	0.007	0.26	0.08	80.4
B718195	Vegetation	0.032	209	0.007	0.93	0.02	0.54	2.06	0.02	0.045	0.02	12.9	0.009	0.006	0.13	0.06	66.4
B718196	Vegetation	0.04	149.5	0.006	0.78	0.026	0.69	2.79	0.02	0.042	0.01	7.94	0.012	0.005	0.15	0.06	51.5
B718197	Vegetation	0.027	563	0.008	0.54	0.024	0.56	3.44	0.02	0.039	0.01	6.85	0.011	0.024	0.12	0.06	58.2
B718198	Vegetation	0.04	1305	0.006	0.4	0.048	0.08	5.24	0.01	0.018	0.01	10.25	0.005	0.015	0.07	0.06	55.6
B718199	Vegetation	0.043	454	0.007	1.42	0.034	2.21	5.2	0.03	0.121	0.02	21.9	0.024	0.051	0.29	0.04	86.5
B718200	Vegetation	0.055	439	0.007	0.49	0.046	0.33	5.25	0.02	0.04	0.02	6.54	0.009	0.018	0.14	0.05	66.7
B718201	Vegetation	0.067	215	0.006	0.19	0.045	0.16	4.05	0.02	0.041	0.01	13.85	0.01	0.011	0.13	0.08	61.9
B718202	Vegetation	0.063	349	0.006	0.23	0.07	0.32	3.68	0.03	0.044	0.02	5.9	0.015	0.011	0.15	0.06	64.4
B718203	Vegetation	0.06	614	0.005	0.19	0.074	0.37	5.04	0.02	0.057	0.01	9.36	0.014	0.002	0.17	0.06	64.7
B718204	Vegetation	0.056	108.5	0.006	0.13	0.053	0.2	4.13	0.01	0.037	0.01	20.2	0.008	0.01	0.12	0.05	65.8
B718205	Vegetation	0.083	1080	0.006	0.23	0.055	0.29	3.88	0.02	0.033	0.01	6.11	0.012	0.052	0.14	0.06	81.8
B718206	Vegetation	0.072	312	0.006	0.17	0.06	0.17	5.53	0.02	0.037	0.01	6.16	0.011	0.003	0.12	0.05	54.2
B718207	Vegetation	0.119	497	0.006	0.19	0.044	0.21	4.75	0.02	0.033	0.02	17.8	0.011	0.015	0.13	0.05	98.5
B718208	Vegetation	0.081	865	0.006	0.26	0.074	0.19	7.23	0.02	0.031	0.01	11.25	0.008	0.009	0.1	0.04	111
B718209	Vegetation	0.06	240	0.005	0.17	0.056	0.21	5.2	0.02	0.047	0.01	13.3	0.014	0.011	0.15	0.06	55
B718210	Vegetation	0.102	297	0.008	0.25	0.066	0.23	4.2	0.02	0.043	0.01	11.25	0.014	0.013	0.15	0.05	75.2
B718211	Vegetation	0.088	236	0.006	0.21	0.068	0.23	9.03	0.02	0.038	0.01	7.57	0.011	0.025	0.15	0.05	46.5
B718212	Vegetation	0.065	826	0.003	0.2	0.084	0.15	8.8	0.02	0.016	0.01	9.29	0.009	0.034	0.1	0.05	66.3
B718213	Vegetation	0.059	273	0.007	0.2	0.06	0.31	5.94	0.03	0.059	0.01	10.3	0.017	0.016	0.19	0.06	44.4
B718214	Vegetation	0.058	129	0.005	0.22	0.052	0.68	4.61	0.05	0.073	0.02	18.05	0.021	0.007	0.21	0.06	58.9
B718215	Vegetation	0.082	226	0.005	0.17	0.05	0.26	3.11	0.02	0.043	0.01	13.3	0.015	0.013	0.17	0.06	53.2

		ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41
SAMPLE	MATERIAL	Mg	Mn	Na	Ni	P	Pb	Rb	Sb	Se	Sn	Sr	Th	Tl	V	W	Zn
DESCRIPTION	TYPE	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
B718216	Vegetation	0.06	276	0.006	0.24	0.046	0.33	5.63	0.03	0.062	0.01	18.9	0.019	0.012	0.2	0.1	79.4
B718217	Vegetation	0.053	548	0.004	0.32	0.045	0.44	4.07	0.02	0.072	0.02	20	0.022	0.007	0.24	0.09	72.8
B718218	Vegetation	0.078	1210	0.004	0.3	0.066	0.19	8.38	0.03	0.027	0.01	7.55	0.01	0.07	0.14	0.08	70.9
B718219	Vegetation	0.053	505	0.004	0.9	0.07	0.1	9.58	0.03	0.025	0.01	10	0.008	0.026	0.11	0.06	47.5
B718220	Vegetation	0.066	427	0.004	0.73	0.08	0.16	11.95	0.04	0.041	0.01	15.1	0.011	0.156	0.15	0.04	57.1
B718221	Vegetation	0.058	924	0.003	0.34	0.075	0.12	7.57	0.03	0.018	0.01	10	0.006	0.031	0.11	0.07	69.3
B718222	Vegetation	0.061	771	0.005	0.44	0.07	0.19	5.06	0.03	0.04	0.02	8.53	0.013	0.057	0.18	0.06	63.8
B718223	Vegetation	0.058	429	0.005	0.35	0.07	0.34	18	0.06	0.057	0.02	13.9	0.015	0.112	0.21	0.05	50.3
B718224	Vegetation	0.06	724	0.004	0.27	0.05	0.35	10	0.05	0.055	0.01	14.4	0.018	0.07	0.19	0.07	73
B718225	Vegetation	0.062	676	0.004	0.43	0.05	0.71	9.36	0.05	0.078	0.03	3.86	0.016	0.07	0.22	0.05	51.6
B718226	Vegetation	0.058	88.1	0.005	0.29	0.051	0.56	5.51	0.05	0.072	0.02	40.1	0.021	0.016	0.22	0.06	68.6
B718227	Vegetation	0.072	599	0.005	0.45	0.058	0.24	9.31	0.03	0.046	0.01	50	0.015	0.059	0.18	0.11	97.8
B718228	Vegetation	0.053	1495	0.005	0.47	0.069	0.47	7.51	0.04	0.063	0.02	4.21	0.024	0.061	0.26	0.06	55.3
B718229	Vegetation	0.073	1050	0.005	0.47	0.056	0.18	8.88	0.02	0.039	0.01	5.17	0.015	0.099	0.16	0.07	64.9
B718230	Vegetation	0.06	1125	0.006	0.35	0.058	0.4	5.06	0.04	0.064	0.01	2.71	0.018	0.036	0.21	0.06	47.3
B718231	Vegetation	0.068	1065	0.005	0.36	0.063	0.22	6.29	0.03	0.033	0.01	7.34	0.013	0.079	0.15	0.06	59
B718232	Vegetation	0.062	1210	0.005	0.35	0.064	0.21	10.35	0.03	0.041	0.01	10.95	0.01	0.111	0.14	0.06	81.7
B718233	Vegetation	0.07	995	0.005	0.48	0.074	0.28	7.43	0.03	0.049	0.01	12.3	0.012	0.011	0.16	0.04	43.5
B718234	Vegetation	0.046	246	0.004	0.21	0.044	0.48	5.94	0.04	0.081	0.02	23.8	0.022	0.002	0.24	0.06	79.5
B718235	Vegetation	0.083	457	0.004	0.21	0.072	0.3	6.49	0.03	0.056	0.01	17.6	0.014	0.016	0.17	0.03	77.2
B718236	Vegetation	0.077	1280	0.004	0.15	0.065	0.19	6.79	0.04	0.038	0.01	18.35	0.013	0.023	0.16	0.04	86.4
B718237	Vegetation	0.068	1665	0.004	0.22	0.09	0.32	8.45	0.04	0.065	0.01	27.8	0.016	0.033	0.18	0.04	104
B718238	Vegetation	0.061	1320	0.005	0.15	0.065	0.29	7.16	0.02	0.056	0.01	16.05	0.014	0.022	0.16	0.04	90.5
B718239	Vegetation	0.072	1040	0.004	0.24	0.069	0.43	4.56	0.04	0.054	0.02	3.54	0.018	0.035	0.19	0.04	74
B718240	Vegetation	0.04	1540	0.005	0.19	0.058	0.34	4.65	0.02	0.052	0.01	3.58	0.015	0.023	0.19	0.05	54.6
B718241	Vegetation	0.05	749	0.004	0.27	0.043	0.45	2.96	0.03	0.071	0.02	2.46	0.02	0.046	0.22	0.09	52.6
B718242	Vegetation	0.075	1070	0.005	0.17	0.055	0.33	3.4	0.03	0.048	0.01	2.16	0.014	0.013	0.18	0.06	55.3
B718243	Vegetation	0.072	781	0.003	0.23	0.048	0.3	3.81	0.02	0.039	0.01	3.9	0.014	0.022	0.16	0.06	84
B718244	Vegetation	0.05	446	0.002	0.81	0.065	0.33	4.24	0.03	0.055	0.01	4.14	0.063	0.044	0.2	0.05	34.8
B718245	Vegetation	0.049	1080	0.003	0.32	0.09	0.12	8.38	0.01	0.038	0.01	8.94	0.008	0.091	0.13	0.06	57
B718246	Vegetation	0.077	371	0.004	0.17	0.052	0.31	6.64	0.04	0.062	0.02	16.75	0.021	0.018	0.23	0.05	64.6
B718247	Vegetation	0.045	230	0.002	0.23	0.042	0.44	5.72	0.03	0.074	0.02	22.9	0.018	0.005	0.21	0.07	74.9
B718248	Vegetation	0.044	488	0.003	0.25	0.042	0.36	6.77	0.03	0.063	0.02	9.8	0.022	0.01	0.22	0.08	59.4
B718249	Vegetation	0.059	460	0.002	0.33	0.048	0.22	6.64	0.02	0.04	0.01	7.05	0.012	0.037	0.15	0.06	68.1
B718250	Vegetation	0.077	1100	0.004	0.38	0.08	0.2	8.13	0.04	0.045	0.02	7.77	0.01	0.036	0.14	0.04	56.2
B718251	Vegetation	0.036	251	0.003	0.62	0.04	0.36	12.75	0.02	0.053	0.02	21.5	0.014	0.173	0.18	0.04	93.2
B718252	Vegetation	0.039	501	0.005	0.46	0.042	0.39	6.23	0.01	0.033	0.01	18.95	0.012	0.103	0.13	0.06	74.8
B718253	Vegetation	0.042	977	0.003	0.29	0.043	0.35	5.19	0.02	0.041	0.01	20.1	0.013	0.054	0.18	0.04	79.8
B718254	Vegetation	0.041	326	0.001	0.27	0.034	0.55	3.8	0.02	0.037	0.01	8.07	0.012	0.026	0.16	0.07	59.3
B718255	Vegetation	0.042	746	0.001	0.38	0.042	0.4	5.9	0.02	0.045	0.01	6.95	0.012	0.059	0.17	0.05	41.5
B718256	Vegetation	0.057	505	0.001	0.69	0.049	0.42	6.47	0.03	0.109	0.02	12.9	0.018	0.157	0.21	0.05	47.2
B718257	Vegetation	0.07	862	0.002	0.73	0.046	0.25	6.72	0.02	0.045	0.01	9.22	0.013	0.133	0.16	0.06	68.8
B718258	Vegetation	0.039	589	0.003	0.26	0.042	0.16	12.6	0.03	0.029	0.01	11.3	0.012	0.014	0.14	0.04	55.9
B718259	Vegetation	0.05	889	<0.001	0.18	0.042	0.19	9.36	0.02	0.042	0.01	8.25	0.012	0.031	0.14	0.04	68.2
B718260	Vegetation	0.07	1735	0.002	0.24	0.06	0.09	10.8	0.02	0.02	0.01	11.5	0.007	0.128	0.13	0.03	91.9

		ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41
SAMPLE	MATERIAL	Mg	Mn	Na	Ni	P	Pb	Rb	Sb	Se	Sn	Sr	Th	Tl	V	W	Zn
DESCRIPTION	TYPE	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
B718261	Vegetation	0.069	778	0.003	0.55	0.052	0.33	13.5	0.03	0.07	0.02	10.5	0.022	0.242	0.24	0.05	68.4
B718262	Vegetation	0.062	707	0.001	0.6	0.068	0.09	23.9	0.01	0.03	0.01	8.97	0.009	0.509	0.12	0.05	48.6
B718263	Vegetation	0.067	956	0.002	2.19	0.063	0.12	14.8	0.02	0.028	0.01	4.16	0.011	0.095	0.14	0.03	66.6
B718264	Vegetation	0.056	492	0.003	0.91	0.057	0.4	7.38	0.02	0.058	0.02	3.97	0.023	0.033	0.22	0.05	53
B718265	Vegetation	0.074	866	0.004	0.73	0.052	0.24	6.82	0.02	0.049	0.01	8.09	0.013	0.104	0.17	0.04	56.1
B718266	Vegetation	0.071	503	0.003	1.94	0.06	0.18	11.35	0.02	0.056	0.02	5.95	0.012	0.151	0.13	0.05	69.3
B718267	Vegetation	0.071	1195	0.004	0.41	0.061	0.13	42.3	0.01	0.035	0.02	4.88	0.01	0.856	0.15	0.05	65.3
B718268	Vegetation	0.034	1525	0.003	0.55	0.063	0.13	37.8	0.01	0.046	0.02	8.9	0.008	0.988	0.13	0.04	71.3
B718269	Vegetation	0.046	830	0.003	1.04	0.058	0.07	14.15	0.01	0.02	0.01	16.2	0.005	0.119	0.09	0.05	68.2
B718270	Vegetation	0.068	489	0.002	0.53	0.064	0.12	22	0.03	0.02	0.01	9.79	0.01	0.031	0.12	0.04	47

APPENDIX 7: BASELINE WATER SAMPLE LOCATIONS

Regional Water Samples Collected

Regional Baseline Sampling								
E	N	Sample #	Date sampled	Time sampled	pH	T	Sampled by	Notes
412765	5722695	Surface Water 1 Lily	02-07-2021	12:50pm	7.98		Sarah Bodeving	Large lake, shallow shore, sampled close to creek
412896	5722416	Surface Water 2 Lily	02-07-2021	1:20pm	7.38		Sarah Bodeving	Smaller lake, very shallow shore
412201	5721444	Surface Water 3 Lily	04-07-2021	7am	7.7	21.6	Sarah Bodeving	Shallow sampling spot, muddy
412354	5722010	Surface Water 4 Lily	04-07-2021	7:40am	7.91	24.6	Sarah Bodeving	Sampling on rock, clean water
		Surface Water 5 Lily	05-07-2021	on COC form	8.03	20.6	Sarah Bodeving	Blank-natural spring water "Presidents Choice" 1.5l bottle, Source Middlebro, Manitoba, dissolved mineral salts 180 PPM, Fluoride Ions 0.1PPM
410422	5719067	Surface Water 6 Lily	05-07-2021	12:40pm	8.32	23.6	Sarah Bodeving	Ishkish Lake
410422	5719067	Surface Water 7 Lily	05-07-2021	12:50pm	8.32	23.6	Sarah Bodeving	Duplicate of surface water sample 6 lily
408741	5719283	Surface Water 8 Lily	05-07-2021	1:20pm	8.22	23.6	Sarah Bodeving	Fronde Lake
405360	5732351	Surface Water 9 Lily	05-07-2021	1:50pm	8.24	24.6	Sarah Bodeving	Baseline Lake, far away from mineralization, ~ 12km away from Pollucite Dyke.
411758	5720771	Surface Water 10 Lily	28-07-2021	11:20am	7.99	19.6	Sarah Bodeving	Lilypad Lake
411357	5722348	Surface Water 11 Lily	29-07-2021	2:15pm	7.5	11.6	Sarah Bodeving	Creek West of Pollucite Dyke
411700	5722404	Surface Water 12 Lily	29-07-2021	2:40pm	6.9	19.6	Sarah Bodeving	Creek East of Pollucite Dyke
411700	5722404	Surface Water 13 Lily	29-07-2021	2:50pm	6.9	19.6	Sarah Bodeving	Duplicate of surface water sample 12 lily
411758	5720771	Surface Water 14 Lily	03-08-2021	6:00pm	8.1	26.1	Sarah Bodeving	Lilypad Lake
414003	5722596	Surface Water 15 Lily	06-08-2021	9:30am	7.34		Sarah Bodeving	Rubellite Dyke Lake
415245	5722893	Surface Water 16 Lily	06-08-2021	1:30pm	7.35		Sarah Bodeving	Creek edge of sample cut lines to East
		Surface Water 17 Lily	05-08-2021	4:00pm			Sarah Bodeving	Blank-Armstrong air base well water
411758	5720771	Surface Water 18 Lily	07-08-2021	on COC form			Sarah Bodeving	Lilypad Lake
412765	5722695	Surface Water 19 Lily	07-08-2021	9:20am			Kelvin	Resampling of surface water 1 Lily. Same location.

APPENDIX 8: BASELINE WATER SAMPLE ANALYSES

Regional Water Sampling Results Section 1 - Lilypad Surface Water 1 – 7 (Samples 10-13 lost in transit)

Job Reference LILIPAD PROJECT 535
Report To Bill Mercer, Avalon Advanced Materials Inc.
Date Received 7-Jul-2021 11:45
Report Date 23-Jul-2021 10:24
Report Version 1

			SURFACE WATER 1 LILY	SURFACE WATER 2 LILY	SURFACE WATER 3 LILY	SURFACE WATER 4 LILY	SURFACE WATER 5 LILY	SURFACE WATER 6 LILY	SURFACE WATER 7 LILY
Date Sampled			2-Jul-2021	2-Jul-2021	4-Jul-2021	4-Jul-2021	5-Jul-2021	5-Jul-2021	5-Jul-2021
Time Sampled			12:50	13:20	7:00	7:40	7:30	12:40	12:50
ALS Sample ID			L2610634-1	L2610634-2	L2610634-3	L2610634-4	L2610634-5	L2610634-6	L2610634-7
Parameter	Lowest Detection Limit	Units	Water	Water	Water	Water	Water	Water	Water
Physical Tests (Water)									
Conductivity (EC)	1.0	uS/cm	102	86.2	122	102	297	36.9	36.9
Hardness (as CaCO3)	0.50	mg/L	52.8	47.5	61.5	55.5	153	19.5	19.2
pH	0.10	pH	7.86	7.73	7.88	7.93	8.25	7.55	7.47
Total Suspended Solids	1.0	mg/L	1.0	2.3	5.1	1.0	<1.0	1.8	1.9
Total Dissolved Solids	10	mg/L	64	76	96	83	173	39	33
Anions and Nutrients (Water)									
Acidity (as CaCO3)	2.0	mg/L	2.5	2.8	2.7	2.3	2.0	<2.0	2.1
Alkalinity, Total (as CaCO3)	2.0	mg/L	52.8	46.3	63.2	55.3	159	16.5	16.6
Ammonia, Total (as N)	0.010	mg/L	0.013	0.028	0.011	0.035	<0.010	<0.010	<0.010
Bromide (Br)	0.10	mg/L	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chloride (Cl)	0.10	mg/L	1.55	0.22	1.96	0.51	3.29	0.32	0.26
Fluoride (F)	0.020	mg/L	0.031	0.026	0.028	0.033	0.061	<0.020	<0.020
Nitrate (as N)	0.020	mg/L	0.060	<0.020	<0.020	<0.020	0.542	<0.020	<0.020
Nitrite (as N)	0.010	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Total Kjeldahl Nitrogen	0.050	mg/L	0.500	0.570	0.480	0.640	0.130	1.40	0.580
Total Nitrogen	0.055	mg/L	0.56	0.57	0.48	0.64	0.672	1.4	0.58
Orthophosphate-Dissolved (as P)	0.0030	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	0.0088	<0.0030	<0.0030
Phosphorus, Total	0.0030	mg/L	0.0082	0.0100	0.0107	0.0069	0.0093	0.0130	0.0110
Sulfate (SO4)	0.30	mg/L	0.47	0.87	1.02	0.87	5.78	<0.30	<0.30
Cyanides (Water)									
Cyanide, Total	0.0020	mg/L	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020

			SURFACE WATER 1 LILY	SURFACE WATER 2 LILY	SURFACE WATER 3 LILY	SURFACE WATER 4 LILY	SURFACE WATER 5 LILY	SURFACE WATER 6 LILY	SURFACE WATER 7 LILY
Date Sampled			2-Jul-2021	2-Jul-2021	4-Jul-2021	4-Jul-2021	5-Jul-2021	5-Jul-2021	5-Jul-2021
Time Sampled			12:50	13:20	7:00	7:40	7:30	12:40	12:50
ALS Sample ID			L2610634-1	L2610634-2	L2610634-3	L2610634-4	L2610634-5	L2610634-6	L2610634-7
Parameter	Lowest Detection Limit	Units	Water	Water	Water	Water	Water	Water	Water

**Organic / Inorganic Carbon
(Water)**

Dissolved Carbon Filtration Location		-	LAB	LAB	LAB	LAB	LAB	LAB	LAB
Dissolved Organic Carbon	0.50	mg/L	15.8	17.7	14.0	18.5	3.50	11.5	11.6
Total Organic Carbon	0.50	mg/L	16.1	18.6	14.1	17.6	2.27	11.9	12.2

Total Metals (Water)

Aluminum (Al)-Total	0.0030	mg/L	0.0224	0.0600	0.0850	0.110	<0.0030	0.0243	0.0249
Antimony (Sb)-Total	0.00010	mg/L	0.00052	<0.00010	0.00010	<0.00010	0.00023	<0.00010	<0.00010
Arsenic (As)-Total	0.00010	mg/L	0.00662	0.0205	0.00585	0.00594	0.00131	0.00067	0.00062
Barium (Ba)-Total	0.00010	mg/L	0.00431	0.00359	0.00437	0.00095	0.0161	0.00279	0.00282
Beryllium (Be)-Total	0.000020	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Bismuth (Bi)-Total	0.000050	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Boron (B)-Total	0.010	mg/L	<0.010	<0.010	0.012	<0.010	0.020	<0.010	<0.010
Cadmium (Cd)-Total	0.0000050	mg/L	<0.0000050	0.0000052	0.0000052	0.0000052	<0.0000050	0.0000135	0.0000146
Calcium (Ca)-Total	0.050	mg/L	16.4	14.5	18.1	16.3	38.3	5.93	5.79
Cesium (Cs)-Total	0.000010	mg/L	0.000775	0.000214	0.000413	0.000844	0.000013	<0.000010	0.000011
Chromium (Cr)-Total	0.00010	mg/L	0.00014	0.00022	0.00026	0.00025	0.00098	0.00011	0.00011
Cobalt (Co)-Total	0.00010	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Copper (Cu)-Total	0.00050	mg/L	<0.00050	<0.00050	0.00067	0.00072	0.00061	<0.00050	<0.00050
Iron (Fe)-Total	0.010	mg/L	0.259	0.155	0.135	0.063	<0.010	0.038	0.041
Lead (Pb)-Total	0.000050	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Lithium (Li)-Total	0.0010	mg/L	0.0013	0.0012	0.0013	0.0013	0.0035	0.0012	0.0011
Magnesium (Mg)-Total	0.0050	mg/L	3.16	2.74	3.48	3.46	12.5	1.03	1.00
Manganese (Mn)-Total	0.00010	mg/L	0.0260	0.00961	0.0145	0.00253	0.00046	0.0124	0.0123
Mercury (Hg)-Total	0.0000050	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Molybdenum (Mo)-Total	0.000050	mg/L	0.000376	0.000176	0.000446	0.000869	0.000298	<0.000050	<0.000050
Nickel (Ni)-Total	0.00050	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Phosphorus (P)-Total	0.050	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Potassium (K)-Total	0.050	mg/L	0.203	0.160	4.43	0.407	2.98	0.357	0.324
Rubidium (Rb)-Total	0.00020	mg/L	0.00062	0.00036	0.00077	0.00067	0.00089	0.00046	0.00048
Selenium (Se)-Total	0.000050	mg/L	0.000090	0.000079	0.000073	0.000079	0.000409	0.000077	0.000071
Silicon (Si)-Total	0.10	mg/L	1.57	1.38	1.62	0.31	7.32	0.23	0.23
Silver (Ag)-Total	0.000010	mg/L	<0.000010	<0.000010	0.00262	0.000359	0.00187	0.000100	0.000107
Sodium (Na)-Total	0.050	mg/L	0.741	0.591	0.681	0.664	2.50	0.349	0.316
Strontium (Sr)-Total	0.00020	mg/L	0.0225	0.0159	0.0184	0.0170	0.0471	0.00735	0.00747

			SURFACE WATER 1 LILY	SURFACE WATER 2 LILY	SURFACE WATER 3 LILY	SURFACE WATER 4 LILY	SURFACE WATER 5 LILY	SURFACE WATER 6 LILY	SURFACE WATER 7 LILY
Date Sampled			2-Jul-2021	2-Jul-2021	4-Jul-2021	4-Jul-2021	5-Jul-2021	5-Jul-2021	5-Jul-2021
Time Sampled			12:50	13:20	7:00	7:40	7:30	12:40	12:50
ALS Sample ID			L2610634-1	L2610634-2	L2610634-3	L2610634-4	L2610634-5	L2610634-6	L2610634-7
Parameter	Lowest Detection Limit	Units	Water	Water	Water	Water	Water	Water	Water
Sulfur (S)-Total	0.50	mg/L	<0.50	<0.50	<0.50	<0.50	1.82	<0.50	<0.50
Tellurium (Te)-Total	0.00020	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Thallium (Tl)-Total	0.000010	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Thorium (Th)-Total	0.00010	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Tin (Sn)-Total	0.00015	mg/L	0.00028	0.00027	0.00023	0.00022	0.00020	0.00026	0.00023
Titanium (Ti)-Total	0.00030	mg/L	0.00044	0.00115	0.00130	0.00044	<0.00030	<0.00030	<0.00030
Tungsten (W)-Total	0.00010	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Uranium (U)-Total	0.000010	mg/L	0.000018	0.000020	0.000039	0.000031	0.000615	0.000013	0.000014
Vanadium (V)-Total	0.00050	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	0.00163	<0.00050	<0.00050
Zinc (Zn)-Total	0.0030	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030
Zirconium (Zr)-Total	0.00020	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Dissolved Metals (Water)									
Dissolved Mercury Filtration Location		-	LAB	LAB	LAB	LAB	LAB	LAB	LAB
Dissolved Metals Filtration Location		-	LAB	LAB	LAB	LAB	LAB	LAB	LAB
Aluminum (Al)-Dissolved	0.0010	mg/L	0.0179	0.0447	0.0482	0.110	<0.0010	0.0178	0.0176
Antimony (Sb)-Dissolved	0.00010	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	0.00019	<0.00010	<0.00010
Arsenic (As)-Dissolved	0.00010	mg/L	0.00591	0.0204	0.00563	0.00591	0.00130	0.00054	0.00058
Barium (Ba)-Dissolved	0.00010	mg/L	0.00419	0.00359	0.00420	0.00096	0.0166	0.00273	0.00286
Beryllium (Be)-Dissolved	0.000020	mg/L	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Bismuth (Bi)-Dissolved	0.000050	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Boron (B)-Dissolved	0.010	mg/L	<0.010	<0.010	<0.010	<0.010	0.011	<0.010	<0.010
Cadmium (Cd)-Dissolved	0.0000050	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Calcium (Ca)-Dissolved	0.050	mg/L	16.1	14.6	18.8	16.7	41.5	6.14	6.01
Cesium (Cs)-Dissolved	0.000010	mg/L	0.000781	0.000199	0.000421	0.000853	0.000014	<0.000010	<0.000010
Chromium (Cr)-Dissolved	0.00010	mg/L	<0.00010	<0.00010	<0.00010	0.00013	0.00087	<0.00010	<0.00010
Cobalt (Co)-Dissolved	0.00010	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Copper (Cu)-Dissolved	0.00020	mg/L	<0.00020	0.00020	0.00056	0.00068	0.00057	<0.00020	<0.00020
Iron (Fe)-Dissolved	0.010	mg/L	0.174	0.111	0.068	0.049	<0.010	0.010	0.012
Lead (Pb)-Dissolved	0.000050	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Lithium (Li)-Dissolved	0.0010	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	0.0030	<0.0010	<0.0010
Magnesium (Mg)-Dissolved	0.0050	mg/L	3.10	2.71	3.50	3.36	11.9	1.02	1.02
Manganese (Mn)-Dissolved	0.00010	mg/L	0.00200	0.00169	0.00578	0.00042	0.00042	0.00012	0.00015
Mercury (Hg)-Dissolved	0.0000050	mg/L	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Molybdenum (Mo)-Dissolved	0.000050	mg/L	0.000190	0.000078	0.000398	0.000822	0.000277	<0.000050	<0.000050
Nickel (Ni)-Dissolved	0.00050	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050

			SURFACE WATER 1 LILY	SURFACE WATER 2 LILY	SURFACE WATER 3 LILY	SURFACE WATER 4 LILY	SURFACE WATER 5 LILY	SURFACE WATER 6 LILY	SURFACE WATER 7 LILY
Date Sampled			2-Jul-2021	2-Jul-2021	4-Jul-2021	4-Jul-2021	5-Jul-2021	5-Jul-2021	5-Jul-2021
Time Sampled			12:50	13:20	7:00	7:40	7:30	12:40	12:50
ALS Sample ID			L2610634-1	L2610634-2	L2610634-3	L2610634-4	L2610634-5	L2610634-6	L2610634-7
Parameter	Lowest Detection Limit	Units	Water	Water	Water	Water	Water	Water	Water
Phosphorus (P)-Dissolved	0.050	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Potassium (K)-Dissolved	0.050	mg/L	0.126	0.089	5.33	0.356	2.98	0.290	0.291
Rubidium (Rb)-Dissolved	0.00020	mg/L	0.00056	0.00032	0.00073	0.00063	0.00087	0.00039	0.00044
Selenium (Se)-Dissolved	0.000050	mg/L	<0.000050	0.000061	<0.000050	0.000087	0.000375	<0.000050	<0.000050
Silicon (Si)-Dissolved	0.050	mg/L	1.59	1.40	1.55	0.265	7.20	0.193	0.196
Silver (Ag)-Dissolved	0.000010	mg/L	<0.000010	<0.000010	0.000997	0.000138	0.00137	0.000020	0.000022
Sodium (Na)-Dissolved	0.050	mg/L	0.612	0.495	0.669	0.628	2.38	0.289	0.288
Strontium (Sr)-Dissolved	0.00020	mg/L	0.0217	0.0156	0.0186	0.0171	0.0466	0.00753	0.00743
Sulfur (S)-Dissolved	0.50	mg/L	<0.50	<0.50	<0.50	<0.50	1.59	<0.50	<0.50
Tellurium (Te)-Dissolved	0.00020	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Thallium (Tl)-Dissolved	0.000010	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Thorium (Th)-Dissolved	0.00010	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Tin (Sn)-Dissolved	0.00010	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Titanium (Ti)-Dissolved	0.00030	mg/L	<0.00030	0.00039	0.00033	0.00032	<0.00030	<0.00030	<0.00030
Tungsten (W)-Dissolved	0.00010	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Uranium (U)-Dissolved	0.000010	mg/L	0.000015	0.000019	0.000033	0.000031	0.000599	0.000013	0.000011
Vanadium (V)-Dissolved	0.00050	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	0.00160	<0.00050	<0.00050
Zinc (Zn)-Dissolved	0.0010	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Zirconium (Zr)-Dissolved	0.00020	mg/L	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020

Qualifier Legend

PEHR Parameter Exceeded Recommended Holding Time On Receipt: Proceed With Analysis As Requested.
DLM Detection Limit Adjusted due to sample matrix effects (e.g., chemical interference, colour, turbidity).

Regional Water Sampling Results
Section 2 – Lilypad Surface Water 8 - 9 and Lilypad Surface Water 14 – 19 (Samples 10-13 lost in transit)

Job Reference LILIPAD PROJECT 535
Report To Bill Mercer, Avalon Advanced Materials Inc.
Date Received 11-Aug-2021 16:51
Report Date 31-Aug-2021 11:01
Report Version 1

Client Sample ID	SURFACE WATER 8 LILY	SURFACE WATER 9 LILY	SURFACE WATER 14 LILY	SURFACE WATER 15 LILY	SURFACE WATER 16 LILY	SURFACE WATER 17 LILY	SURFACE WATER 18 LILY	SURFACE WATER 19 LILY
Date Sampled	5-Jul-2021	5-Jul-2021	3-Aug-2021	6-Aug-2021	6-Aug-2021	5-Aug-2021	7-Aug-2021	7-Aug-2021
Time Sampled	12:00	13:50	18:00	9:30	13:30	16:00	9:00	9:20
ALS Sample ID	L2610634-8	L2610634-9	L2625508-1	L2625508-2	L2625508-3	L2625508-4	L2625508-5	L2625508-6
Parameter	Water	Water	Water	Water	Water	Water	Water	Water
Physical Tests (Water)								
Conductivity (EC)	101	43.0	175	65.8	159	166	169	94.3
Hardness (as CaCO3)	54.9	23	90.7	34.7	86.8	76.8	88.4	49.7
pH	7.91	7.49	8.06	7.52	7.73	8.12	8.08	7.81
Total Suspended Solids	4.0	3.2	<1.1	1.1	2.8	<1.1	<1.1	<1.1
Total Dissolved Solids	80	38	94	55	100	86	94	60
Anions and Nutrients (Water)								
Acidity (as CaCO3)	2.7	2.5	2.2	2.7	4.2	<2.0	<2.0	2.4
Alkalinity, Total (as CaCO3)	54.5	19.1	93.4	31.9	85.7	83.6	90.5	46.9
Ammonia, Total (as N)	<0.010	<0.010	0.0196	0.0247	0.0094	<0.0050	0.0278	0.0113
Bromide (Br)	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Chloride (Cl)	0.24	0.29	0.27	0.15	0.16	1.04	0.37	0.59
Fluoride (F)	0.029	<0.020	0.032	<0.020	0.031	0.038	0.031	0.029
Nitrate (as N)	<0.020	<0.020	<0.020	<0.020	<0.020	0.204	<0.020	<0.020
Nitrite (as N)	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Total Kjeldahl Nitrogen	0.710	0.720	0.537	0.616	0.369	<0.050	0.474	0.411
Total Nitrogen	0.71	0.72	0.537	0.616	0.369	0.204	0.474	0.411
Orthophosphate-Dissolved (as P)	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	0.0150	<0.0030	<0.0030
Phosphorus, Total	0.0134	0.0164	0.0106	0.0104	0.0095	0.0180	0.0090	0.0064
Sulfate (SO4)	0.42	<0.30	0.42	0.85	<0.30	2.27	0.80	0.48
Cyanides (Water)								
Cyanide, Total	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020

Client Sample ID	SURFACE WATER 8 LILY	SURFACE WATER 9 LILY	SURFACE WATER 14 LILY	SURFACE WATER 15 LILY	SURFACE WATER 16 LILY	SURFACE WATER 17 LILY	SURFACE WATER 18 LILY	SURFACE WATER 19 LILY
Date Sampled	5-Jul-2021	5-Jul-2021	3-Aug-2021	6-Aug-2021	6-Aug-2021	5-Aug-2021	7-Aug-2021	7-Aug-2021
Time Sampled	12:00	13:50	18:00	9:30	13:30	16:00	9:00	9:20
ALS Sample ID	L2610634-8	L2610634-9	L2625508-1	L2625508-2	L2625508-3	L2625508-4	L2625508-5	L2625508-6
Parameter	Water	Water	Water	Water	Water	Water	Water	Water
Organic / Inorganic Carbon (Water)								
Dissolved Carbon Filtration Location	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB
Dissolved Organic Carbon	16.4	14.8	13.2	15.3	13.2	1.50	13.5	14.4
Total Organic Carbon	16.3	14.8	14.1	15.5	14.0	2.12	13.5	14.3
Total Metals (Water)								
Aluminum (Al)-Total	0.0394	0.0403	0.0082	0.0877	0.0184	0.0045	0.0072	0.0234
Antimony (Sb)-Total	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00035
Arsenic (As)-Total	0.00135	0.00065	0.00122	0.0228	0.0106	0.00032	0.00123	0.00568
Barium (Ba)-Total	0.00566	0.00525	0.00861	0.00226	0.00560	0.00232	0.00885	0.00369
Beryllium (Be)-Total	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Bismuth (Bi)-Total	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Boron (B)-Total	0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Cadmium (Cd)-Total	0.0000145	0.0000166	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	0.0000070
Calcium (Ca)-Total	15.6	7.02	27.8	11.0	25.5	21.2	26.9	14.5
Cesium (Cs)-Total	0.000031	0.000015	0.000058	0.000194	0.000100	<0.000010	0.000053	0.000443
Chromium (Cr)-Total	0.00093	0.00016	0.00021	0.00033	0.00014	0.00026	0.00019	0.00015
Cobalt (Co)-Total	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Copper (Cu)-Total	<0.00050	<0.00050	0.00050	<0.00050	<0.00050	0.00274	<0.00050	<0.00050
Iron (Fe)-Total	0.121	0.110	0.055	0.067	0.105	<0.010	0.059	0.068
Lead (Pb)-Total	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	0.00107	<0.000050	<0.000050
Lithium (Li)-Total	0.0018	<0.0010	<0.0010	<0.0010	<0.0010	0.0012	<0.0010	<0.0010
Magnesium (Mg)-Total	3.41	1.25	4.70	1.45	4.62	5.08	4.51	2.72
Manganese (Mn)-Total	0.0335	0.0210	0.0114	0.00469	0.0129	0.00365	0.0134	0.00953
Mercury (Hg)-Total	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Molybdenum (Mo)-Total	0.000190	0.000094	0.000136	<0.000050	0.000062	0.000284	0.000119	0.000138
Nickel (Ni)-Total	<0.00050	<0.00050	0.00059	0.00101	0.00091	<0.00050	<0.00050	<0.00050
Phosphorus (P)-Total	<0.050	<0.050	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
Potassium (K)-Total	0.457	0.437	0.439	0.109	<0.050	2.70	0.276	0.348
Rubidium (Rb)-Total	0.00114	0.00061	0.00125	0.00030	<0.00020	0.00084	0.00117	0.00056
Selenium (Se)-Total	0.000083	0.000075	0.000067	<0.000050	<0.000050	0.000245	0.000072	0.000069
Silicon (Si)-Total	0.89	0.28	2.60	0.44	3.41	5.89	2.60	1.37
Silver (Ag)-Total	0.000058	0.000075	0.000158	<0.000010	<0.000010	0.00176	<0.000010	0.000299
Sodium (Na)-Total	0.623	0.385	0.636	0.433	0.639	2.39	0.595	0.627

Client Sample ID	SURFACE WATER 8 LILY	SURFACE WATER 9 LILY	SURFACE WATER 14 LILY	SURFACE WATER 15 LILY	SURFACE WATER 16 LILY	SURFACE WATER 17 LILY	SURFACE WATER 18 LILY	SURFACE WATER 19 LILY
Date Sampled	5-Jul-2021	5-Jul-2021	3-Aug-2021	6-Aug-2021	6-Aug-2021	5-Aug-2021	7-Aug-2021	7-Aug-2021
Time Sampled	12:00	13:50	18:00	9:30	13:30	16:00	9:00	9:20
ALS Sample ID	L2610634-8	L2610634-9	L2625508-1	L2625508-2	L2625508-3	L2625508-4	L2625508-5	L2625508-6
Parameter	Water	Water	Water	Water	Water	Water	Water	Water
Strontium (Sr)-Total	0.0169	0.0112	0.0258	0.0120	0.0245	0.0441	0.0253	0.0179
Sulfur (S)-Total	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Tellurium (Te)-Total	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Thallium (Tl)-Total	0.000013	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Thorium (Th)-Total	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Tin (Sn)-Total	0.00020	0.00020	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Titanium (Ti)-Total	0.00067	0.00043	<0.00030	0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Tungsten (W)-Total	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00041	<0.00010	<0.00010
Uranium (U)-Total	0.000101	0.000018	0.000126	<0.000010	0.000012	0.000367	0.000116	0.000025
Vanadium (V)-Total	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0.00490	<0.00050	<0.00050
Zinc (Zn)-Total	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	0.0135
Zirconium (Zr)-Total	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Dissolved Metals (Water)								
Dissolved Mercury Filtration Location	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB
Dissolved Metals Filtration Location	LAB	LAB	LAB	LAB	LAB	LAB	LAB	LAB
Aluminum (Al)-Dissolved	0.0222	0.0228	0.0053	0.0775	0.0079	0.0035	0.0047	0.0173
Antimony (Sb)-Dissolved	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Arsenic (As)-Dissolved	0.00110	0.00054	0.00110	0.0231	0.00962	0.00027	0.00110	0.00555
Barium (Ba)-Dissolved	0.00535	0.00510	0.00886	0.00216	0.00534	0.00238	0.00883	0.00355
Beryllium (Be)-Dissolved	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020	<0.000020
Bismuth (Bi)-Dissolved	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Boron (B)-Dissolved	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Cadmium (Cd)-Dissolved	0.0000167	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050
Calcium (Ca)-Dissolved	16.2	7.17	28.0	11.2	26.2	21.2	27.0	14.7
Cesium (Cs)-Dissolved	0.000034	0.000011	0.000054	0.000176	0.000083	<0.000010	0.000047	0.000427
Chromium (Cr)-Dissolved	<0.00010	<0.00010	<0.00010	0.00015	<0.00010	0.00018	<0.00010	<0.00010
Cobalt (Co)-Dissolved	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Copper (Cu)-Dissolved	0.00038	<0.00020	0.00030	0.00029	<0.00020	0.00239	0.00024	0.00023
Iron (Fe)-Dissolved	0.036	0.027	0.028	0.044	0.040	<0.010	0.029	0.042
Lead (Pb)-Dissolved	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	0.000525	<0.000050	<0.000050
Lithium (Li)-Dissolved	0.0013	<0.0010	<0.0010	<0.0010	<0.0010	0.0011	<0.0010	<0.0010
Magnesium (Mg)-Dissolved	3.47	1.24	5.05	1.64	5.21	5.82	5.11	3.16
Manganese (Mn)-Dissolved	0.00015	0.00014	0.00025	0.00057	0.00028	0.00364	0.00022	0.00024
Mercury (Hg)-Dissolved	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050	<0.0000050

Client Sample ID	SURFACE WATER 8 LILY	SURFACE WATER 9 LILY	SURFACE WATER 14 LILY	SURFACE WATER 15 LILY	SURFACE WATER 16 LILY	SURFACE WATER 17 LILY	SURFACE WATER 18 LILY	SURFACE WATER 19 LILY
Date Sampled	5-Jul-2021	5-Jul-2021	3-Aug-2021	6-Aug-2021	6-Aug-2021	5-Aug-2021	7-Aug-2021	7-Aug-2021
Time Sampled	12:00	13:50	18:00	9:30	13:30	16:00	9:00	9:20
ALS Sample ID	L2610634-8	L2610634-9	L2625508-1	L2625508-2	L2625508-3	L2625508-4	L2625508-5	L2625508-6
Parameter	Water	Water	Water	Water	Water	Water	Water	Water
Molybdenum (Mo)-Dissolved	0.000160	0.000062	0.000114	<0.000050	0.000060	0.000302	0.000115	0.000116
Nickel (Ni)-Dissolved	<0.00050	<0.00050	<0.00050	0.00059	<0.00050	<0.00050	<0.00050	<0.00050
Phosphorus (P)-Dissolved	<0.050	<0.050	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
Potassium (K)-Dissolved	0.512	0.393	0.400	0.108	<0.050	2.83	0.264	0.365
Rubidium (Rb)-Dissolved	0.00110	0.00053	0.00124	0.00032	<0.00020	0.00091	0.00105	0.00056
Selenium (Se)-Dissolved	0.000065	0.000066	<0.000050	0.000059	<0.000050	0.000306	<0.000050	0.000065
Silicon (Si)-Dissolved	0.840	0.229	2.56	0.423	3.37	6.08	2.55	1.35
Silver (Ag)-Dissolved	0.000023	0.000021	0.000044	0.000019	<0.000010	0.000760	<0.000010	0.000069
Sodium (Na)-Dissolved	0.624	0.367	0.619	0.418	0.637	2.41	0.582	0.611
Strontium (Sr)-Dissolved	0.0171	0.0109	0.0264	0.0119	0.0259	0.0459	0.0255	0.0188
Sulfur (S)-Dissolved	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Tellurium (Te)-Dissolved	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Thallium (Tl)-Dissolved	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Thorium (Th)-Dissolved	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Tin (Sn)-Dissolved	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Titanium (Ti)-Dissolved	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030
Tungsten (W)-Dissolved	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00041	<0.00010	<0.00010
Uranium (U)-Dissolved	0.000096	0.000017	0.000120	<0.000010	<0.000010	0.000360	0.000113	0.000019
Vanadium (V)-Dissolved	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	0.00481	<0.00050	<0.00050
Zinc (Zn)-Dissolved	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0025	<0.0010	<0.0010
Zirconium (Zr)-Dissolved	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020

Qualifier Legend

PEHR Parameter Exceeded Recommended Holding Time On Receipt: Proceed With Analysis As Requested.

DLM Detection Limit Adjusted due to sample matrix effects (e.g., chemical interference, colour, turbidity).

APPENDIX 9: CAMP WATER SAMPLES

Water Sampling Testing Water Filter Unit (ENVIROGARD PRODUCTS, "RAINFRESH MP4U" GRAVITY FILTRATION UNIT)

E-Coli Sampling								
E	N	Sample #	Date sampled	Time sampled	pH	T	Sampled by	Notes
411757	5720771	Lake 1	22-06-2021	on COC form			Sarah Bodeving	Sampled Lilypad Lake on arrival
411757	5720771	Lake 2	22-06-2021	on COC form			Sarah Bodeving	Sampled Lilypad Lake on arrival
na	na	Filter 1	22-06-2021	on COC form			Sarah Bodeving	Filtered lake water right after arriving and setup
na	na	Filter 2	22-06-2021	on COC form			Sarah Bodeving	Filtered lake water right after arriving and setup
na	na	Sample I	30-06-2021	on COC form			Sarah Bodeving	Filtered water. Resampling of filter after 1 week
411757	5720771	Sample II	30-06-2021	on COC form			Sarah Bodeving	Raw Lake Water
411757	5720771	Sample III	30-06-2021	on COC form			Sarah Bodeving	Filtered water
411757	5720771	Sample IV	30-06-2021	on COC form			Sarah Bodeving	Raw Lake Water
411757	5720771	Sample V	08-07-2021	10:00am	8.26	17.6	Sarah Bodeving	Raw Lake Water
na	na	Sample VI	08-07-2021	10:00am	7.72		Sarah Bodeving	Armstrong Well Water
na	na	Sample VII	08-07-2021	10:00am			Sarah Bodeving	Filtered lake water
na	na	Sample VIII	08-07-2021	10:00am			Sarah Bodeving	Filtered lake water
411757	5720771	Sample IX	27-07-2021	11:30am	7.95	19.6	Sarah Bodeving	Raw Lake Water
na	na	Sample X	27-07-2021	11:30am			Sarah Bodeving	Armstrong Well Water
na	na	Sample XI	27-07-2021	11:30am			Sarah Bodeving	Filtered lake water
na	na	Sample XII	27-07-2021	11:30am			Sarah Bodeving	Filtered lake water
411757	5720771	Sample XIII	04-08-2021	8:30am	8.44	31.4	Sarah Bodeving	Raw Lake Water
411757	5720771	Sample XIV	04-08-2021	8:30am	8.44	31.4	Sarah Bodeving	Raw Lake Water
na	na	Sample XV	04-08-2021	8:30am			Sarah Bodeving	Filtered Lake Water
na	na	Sample XVI	04-08-2021	8:30am			Sarah Bodeving	Filtered Lake Water

APPENDIX 10: BACTERIOLOGICAL TESTS (WATER)

E. Coli Testing Samples Results

Client Sample ID	Date Sampled	Time Sampled	Lab Work Order Number		Parameter/Units			
					Escherichia Coli	Fecal Coliforms	Heterotrophic Plate Count	Total Coliforms
					MPN/100mL	MPN/100mL	CFU/mL	MPN/100mL
LAKE I	22-Jun-2021	17:45	L2604873-1	Water	0	4	0	0
LAKE II	22-Jun-2021	17:45	L2604873-2	Water	0	10	0	0
FILTER I	22-Jun-2021	17:45	L2604873-3	Water	0	0	0	0
FILTER II	22-Jun-2021	17:45	L2604873-4	Water	0	0	0	0
SAMPLE I	30-Jun-2021	12:00	L2608925-1	Water	0	0	>300	>2420
SAMPLE II	30-Jun-2021	12:00	L2608925-2	Water	1	0	25	214
SAMPLE III	30-Jun-2021	12:00	L2608925-3	Water	0	0	>300	>2420
SAMPLE IV	30-Jun-2021	12:00	L2608925-4	Water	1	3	110	411
SAMPLE V	8-Jul-2021	10:00	L2613964-1	Water	4	0	56	96
SAMPLE VI	8-Jul-2021	10:00	L2613964-2	Water	0	0	>300	0
SAMPLE VII	8-Jul-2021	10:00	L2613964-3	Water	0	0	>300	0
SAMPLE VIII	8-Jul-2021	10:00	L2613964-4	Water	0	0	>300	0
SAMPLE IX	27-Jul-2021	11:30	L2620193-1	Water	5	5	136	145
SAMPLE X	27-Jul-2021	11:30	L2620193-2	Water	0	0	>300	12
SAMPLE XI	27-Jul-2021	11:30	L2620193-3	Water	0	0	>300	1
SAMPLE XII	27-Jul-2021	11:30	L2620193-4	Water	0	0	>300	1
SAMPLE XIII	4-Aug-2021	8:30	L2625455-1	Water	6	8	>300	201
SAMPLE XIV	4-Aug-2021	8:30	L2625455-2	Water	6	3	>300	260
SAMPLE XV	4-Aug-2021	8:30	L2625455-3	Water	0	0	>300	0
SAMPLE XVI	4-Aug-2021	8:30	L2625455-4	Water	0	0	>300	0