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# **2023 BIOGEOCHEMICAL SURVEY REPORT: DARKWATER PROPERTY**

VALORA LAKE AREA

KENORA AND PATRICIA MINING DIVISIONS, ONTARIO, CANADA

**MIDEX**  
**RESOURCES LTD**

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TORONTO, ON  
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APRIL 30<sup>TH</sup>, 2023

PREPARED BY:



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## **EXECUTIVE SUMMARY**

In the winter of 2023, JMK Exploration Consulting was contracted by Midex Resources Ltd. (“Midex”) to complete a biogeochemical survey on their 100% owned Darkwater Property.

The Property is situated within the Kenora and Patricia Mining Divisions, located approximately 60 km north of Ignace, and 215 km northwest of Thunder Bay, Ontario. The Property falls within the Valora Lake Area, and is comprised of 118 unpatented mining claims covering an area of approximately 2,578.9 ha. The Property is bound by UTM NAD83 Z15N coordinates 631230E to 641115E, and 5517125N to 5524210N. Access to the Property is provided by the Matabi Mine Road that intersects Provincial Highway 599 approximately 500 m north of the intersection of with Provincial Highway 642.

From February 22<sup>nd</sup> to March 5<sup>th</sup>, 2023, a total of 427 biogeochemical samples were collected from predetermined areas on the Property. Samples consisted of black spruce bark that was collected from live trees at 50 m spaced intervals on GPS-controlled grid lines that were spaced apart at 150 m with some infill lines completed at 75 m spacing . The program was designed to investigate whether biogeochemistry, specifically using spruce bark, can be applied as an exploration technique on the Property in areas of extensive overburden that could vector toward base or precious metal mineralization in the underlying bedrock. Black spruce is considered one of the most responsive species to trace metal enrichments where metals are scavenged through extensive root systems from a large volume of substrate that includes soils, groundwater, and bedrock sources.

Samples were selected from black spruce trees where bark was collected at a height of approximately 1.5 m using a steel scraper. Material was sampled from the entire circumference of the tree. A steel dust pan or plastic shovel was used to collect the material before being placed into a plastic bag and sealed. A sample tag was inserted into the plastic bag at time of collection. A duplicate was collected at every 25<sup>th</sup> sample. Coordinates, tree diameter, topographical observations, and forest types were recorded at the sample station.

Results from the work indicated that a number of samples are anomalous for Au, As, and Mo. Anomalous samples proximal to the road are likely due to contamination from nearby mining operations that used the road for access. Anomalous values should be ground-truthed and where feasible, soil sampling (B-Horizon) be completed to further evaluate the anomaly. This includes a possible northeast trend of anomalous Mo samples southwest of the Darkwater shaft that extends for a distance of approximately 750 m. Anomalous Mo was reported at the Darkwater mine, and this may represent an extension of the structure, making it a priority target. Several anomalous gold values are also located northwest of the shafts. In the central grid, anomalous As values are present in the majority of the samples, and would require further investigation (ground truthing, soil sampling). Consideration for some of the samples to be run for Cu through another analytical package should be considered as Cu-Mo mineralization associated with a porphyritic intrusive has been documented in the area covered by the western grid.

## **1.0 INTRODUCTION**

In the winter of 2023, Midex completed a biogeochemical survey on their 100% owned Darkwater Property. The work, completed from February 22<sup>nd</sup> to March 5<sup>th</sup>, 2023, was designed to investigate whether biogeochemistry can be applied as an exploration technique on the Property. This report discusses the results of this program, and makes recommendations on future exploration on the Property.

## **2.0 PROPERTY DETAILS**

### **2.1 Location and Access**

The Property is situated within the Kenora and Patricia Mining Divisions, located approximately 60 km north of Ignace, and 215 km northwest of Thunder Bay, Ontario (Figure 1).

Access to the Property is provided by the Mattabi Mine Road that intersects Provincial Highway 599 approximately 500 m north of the intersection of with Provincial Highway 642 (Figure 2).

### **2.2 Topography and Vegetation**

The local terrain is variable from swamps to rolling hills. Typical vegetation on the Property consists of a boreal forest with a mixture of coniferous and deciduous trees including poplar, birch, spruce, balsam, jack pine, cedar, and alders. The elevation of the Property ranges from approximately 400 to 470 m ASL.



Figure 1: Location of the Darkwater Property, Ontario, Canada



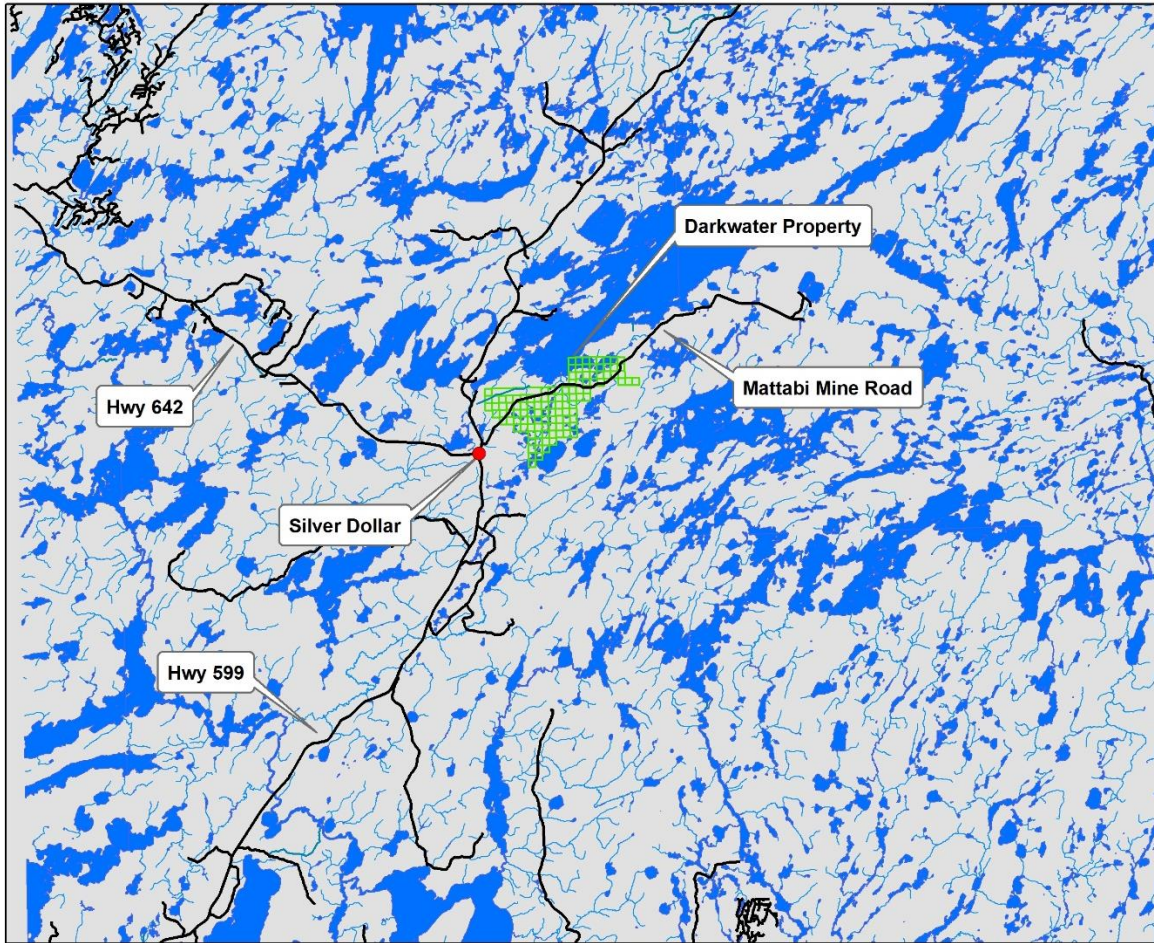


Figure 2: Access to the Darkwater Property, Ontario, Canada

### 2.3 Claims

The Project is comprised of 118 unpatented mining claims covering an area of approximately 2,578.9 ha (Figure 3). The Property is bound by UTM NAD83 Z15N coordinates 631230E to 641115E, and 5517125N to 5524210N.

A list of claims is provided in Appendix II.



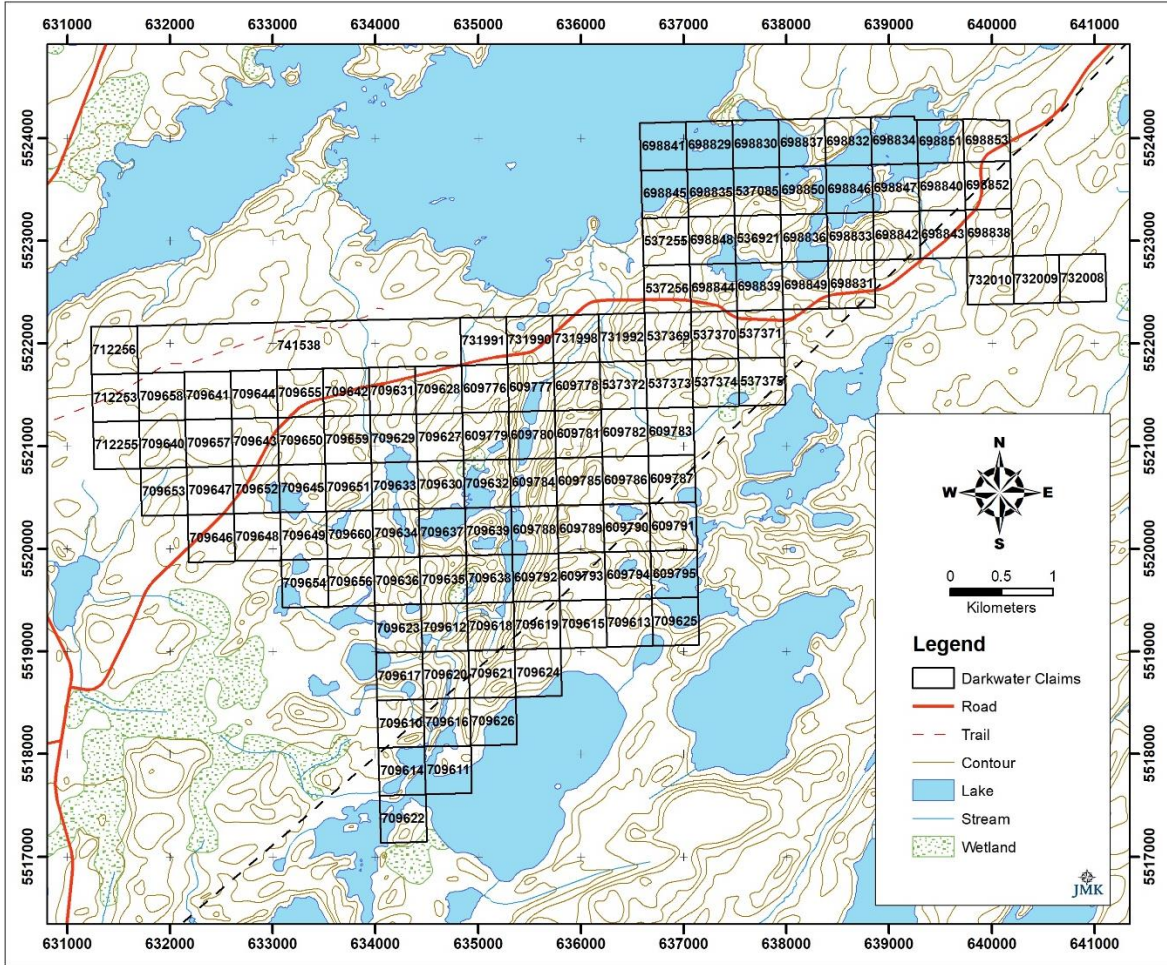


Figure 3: Tenure of the Darkwater Property, Ontario, Canada

### **3.0 PREVIOUS WORK**

**1898:** Gold was discovered in quartz veins along the shores of Sturgeon Lake.

**1909:** Two prospectors (Lemaire and Lavoie) discovered gold at what would later be called the Darkwater Mine.

**1934-1937:** Darkwater Mines Ltd. completing stripping, trenching, diamond drilling, and completed underground mining on gold-bearing quartz-ankerite-tourmaline veins hosted within Trondjemitic rocks of the Beidelman Bay intrusive. Although no records of production exist, a 3-compartment vertical shaft was completed to a depth of 129.24 m (424 ft), and three levels were established at 38.10 m (125 ft), 76.20 m (250 ft), and 114.30 m (375 ft). A total of 1091 m (3,581 ft) of drifting was completed along the vein, along with 149.35 m (490 ft) of crosscutting, and 113.39 m (372 ft) of raising. Gold mineralization is associated with northeast orientated shear-hosted quartz-carbonate-tourmaline veins that are spatially related to late quartz diorite and aplitic dykes emplaced within a trondhjemitic intrusive sill. There are no records to verify the total gold production at the mine, however it is reported that bulk samples taken at surface ranged from 0.348 to 1.03 oz/t Au, and a 211.2-ton bulk sample taken on the 38 m level returned 0.135 oz/t Au.

**1970:** Noranda Exploration Co. completed three drill holes on the west side of the Property. No assays were provided, but the drill logs indicate that multiple quartz veins were intersected within diorite.

**1981:** Seagull Resources Ltd. completed an airborne magnetic and electromagnetic geophysical survey.

**1984:** Norminex Ltd./Winterbourne Exploration Ltd. completed ground VLF-EM geophysical survey, geological mapping, and soil geochemical survey in the Darkwater mine area.

**1986:** Mistango Consolidated Resources Ltd. completed ground magnetic and VLF-EM surveys, geological mapping, and completed 8 diamond drill holes.

**1987-1988:** Minnova Inc. completed ground magnetometer and VLF-EM geophysical surveys, along with limited diamond drilling program consisting of one drill hole testing the Darkwater vein at depth below the historical workings. Only partial results were filed and the orientation of this drill hole would have been oblique to the trend of the mineralization.

**2010:** Xstrata Zinc Canada completed an airborne magnetic and EM geophysical survey.

**2013:** King's Bay Gold Corp. completed an airborne magnetic and EM geophysical survey over the Darkwater Mine area.

**2020-2021:** Skead Holdings Ltd. completed prospecting in the Darkwater Mine area and reported significant Au, Cu, Mo, Bi, & Te values from quartz-ankerite-tourmaline veins associated with the Beidelman Bay pluton.

## **4.0 GEOLOGY**

### **4.1 Property Geology**

The Property is located within the Sturgeon Lake Greenstone Belt ("SLGB"), which is part of the Wabigoon Subprovince of the Superior Province. The tectonostratigraphy of the SLGB can be broken down into nine tectonic assemblages listed from oldest to youngest: Venessa Lake, Jutten, Fourbay Lake, Handy Lake, South Sturgeon, Quest Lake, Central Sturgeon, Warclub, and Ament Bay (Sandborn-Barrie & Skulski, 2005).

The Darkwater Property is underlain by rocks that belong to the South Sturgeon assemblage which is a 9 km thick bimodal sequence of basalt and rhyolite, interpreted as a 30 km wide caldera complex (Morton et al. 1991) which host at least five Zn-Cu-Pb-Ag VMS deposits. Pre-caldera strata include massive to pillowed basalts, scoria-tuff cone deposits, debris flows, with minor intercalated rhyolitic flows which were overlain by a 4.5 km thick caldera-fill succession (2,735 Ma) consisting of numerous rhyolitic ash-flow units, dacitic domes, andesitic flows, and capped by epiclastic rocks. Quartz diorite to

tonalitic rock of the synvolcanic Beidelmen Bay intrusion and the synvolcanic Pike Lake mafic intrusion (2,732 Ma) intrude the South Sturgeon assemblage (Sandborn-Barrie & Skulski, 2005).

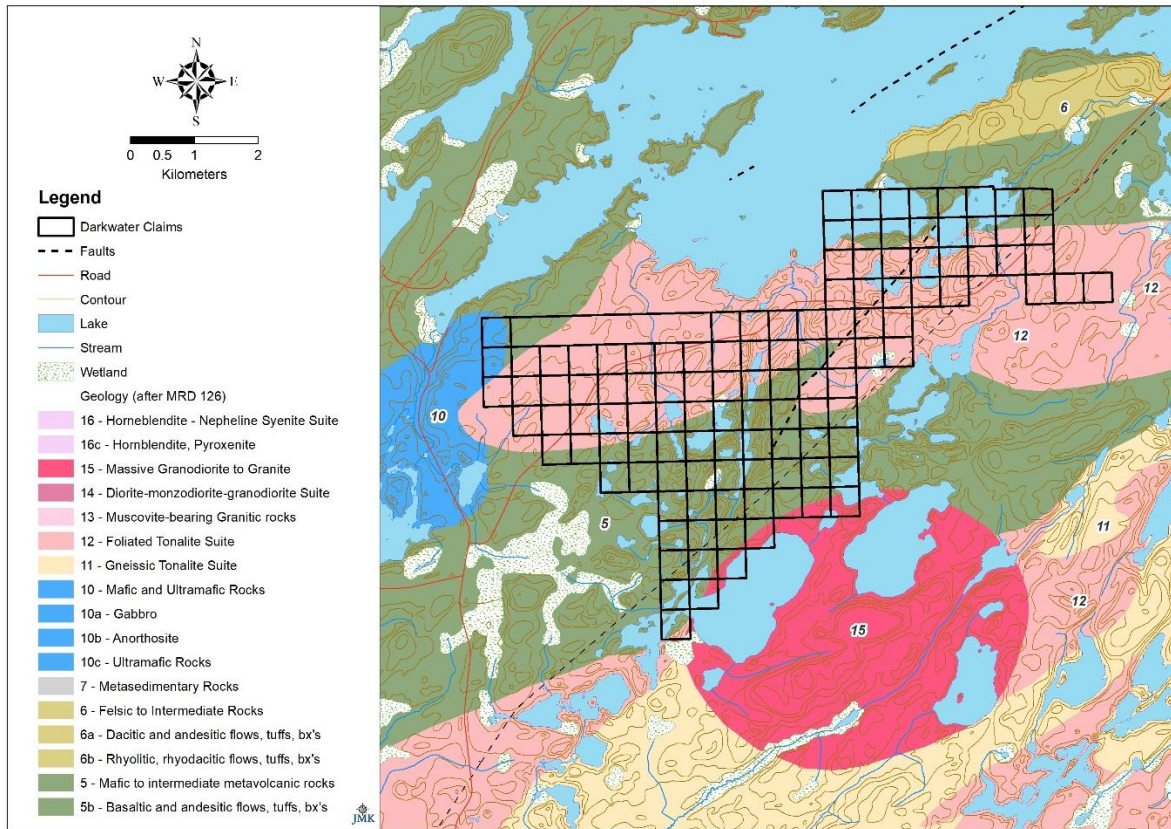


Figure 3: Property Geology (after MRD 126 Rev.).

## **5.0 2023 BIOGEOCHEMICAL SURVEY**

### **5.1 Methods**

From February 22<sup>nd</sup> to March 5<sup>th</sup>, 2023, a total of 427 biogeochemical samples were collected from predetermined areas on the Property. Samples consisted of black spruce bark that was collected from live trees at 50 m spaced intervals on GPS-controlled grid lines that were spaced apart at 150 m with some infill lines completed at 75 m spaced lines. The program was designed to investigate whether biogeochemistry, specifically using spruce bark, can be applied as an exploration technique on the Property in areas of extensive overburden that could vector toward base or precious metal mineralization in the underlying bedrock. Black spruce is considered one of the most responsive species to metal enrichments where metals are scavenged through extensive root systems from a large volume of substrate that includes soils, groundwater, and bedrock sources (Dunn, 2007).

Samples were selected from black spruce trees where the outer coarse bark was collected at a height of approximately 1.5 m using a steel scraper. Sample material was collected from the entire circumference of the tree. A steel dust pan or plastic shovel was used to collect the material before being placed into a plastic bag and sealed. A sample tag was inserted into the plastic bag at time of collection. Approximately 75 g to 100 g of material was collected on average

A duplicate was collected at every 25<sup>th</sup> sample. Coordinates, tree diameter, topographical comments, and forest types were recorded at the sample station and are provided in Appendix II. Appendix III provides the assay certificate and maps of the sample locations and selected metals (Au, As, Mo) are provided in Appendix IV.

Samples were delivered by the author to Activation Laboratories (“Act Labs”) in Thunder Bay, Ontario. Activation Laboratories Ltd. is an accredited lab that is ISO/IEC 17025 certified. Samples were requested to be analyzed under Act Labs 2B package where the sample is dried below 60°C, macerated and a 15 g aliquot is compressed into a briquette

and analyzed. These briquettes are irradiated and their gamma ray spectra are measured and quantified by Instrumental Neutron Activation Analysis (INAA).



## **6.0 CONCLUSIONS & RECOMMENDATIONS**

Results from the work indicated that a number of samples are anomalous for Au, As, and Mo. Anomalous values should be ground-truthed and where feasible, soil sampling (B-Horizon) should be completed to further evaluate the anomalies. Areas of interest include a possible northeast trend of anomalous Mo samples southwest of the Darkwater shaft that extends for a distance of approximately 750 m. Anomalous Mo was reported at the Darkwater mine, and this may represent an extension of the structure or parallel structure, making it a priority target. Several anomalous gold values are also located northwest of the shafts. In the central grid, anomalous As values are present in the majority of the samples, and would require further investigation (ground truthing, soil sampling). Consideration for some of the samples to be run for Cu and additional trace elements such as tellurium through another analytical package should be considered as Cu-Mo mineralization associated with a porphyritic intrusive has been documented in the area north of the western grid, and tellurium appears to be associated with gold mineralization near the historic Darkwater gold deposit. Anomalous metals in samples located proximal to the Mattabi Road are likely due to contamination from nearby mining operations that used the road for access and should be discounted.

## 8.0 REFERENCES

Google Earth/Maxar Technologies. 2022.

Cohen, D.R., Hoffman, E.L., Nichol, I. 1985. Biogeochemistry: A geochemical method for gold exploration in the Canadian Shield. in *Journal of Geochemical Exploration*, Volume 29, Issues 1-3, 1987, pp 49-73.

Dunn, 2007. *Biogeochemistry in Mineral Exploration*, v. 9. 1<sup>st</sup> Edition. 480 pp.

Ministry of Northern Development, Mines, Natural Resources, and Forestry; Geology of Ontario, Assessment File Research Information (AFRI) found at [www.geologyontario.mndm.gov.on.ca](http://www.geologyontario.mndm.gov.on.ca).

Ministry of Northern Development, Mines, Natural Resources, and Forestry; Geology of Ontario, Mineral Deposit Inventory Record (MDI) found at [www.geologyontario.mndm.gov.on.ca](http://www.geologyontario.mndm.gov.on.ca).

Ontario Geological Survey 2011. 1:250 000 scale bedrock geology of Ontario; Ontario Geological Survey, Miscellaneous Release–Data 126 - Revision 1.

## **Appendix I**

### **Statement of Qualifications**

## Statement of Qualifications

I, Joerg Martin Kleinboeck of 147 Lakeside Drive, North Bay, Ontario, do hereby certify that:

I am a graduate of Laurentian University, Sudbury, Ontario with a B.Sc. Geology, 2000, and have been practising my profession as a geologist since.

I am a member with the Association of Professional Geoscientists of Ontario (#1411).

I am a member of the Prospectors & Developers Association of Canada (PDAC).

I hold no interests in the securities of Midex Resources Ltd. or in the claims that comprise the Darkwater Property.



The image shows a handwritten signature in cursive script, followed by a circular professional seal. The seal contains the text: "PROFESSIONAL GEOSCIENTISTS OF ONTARIO" around the perimeter, "JOERG M. KLEINBOECK" in the center, "PRACTISING MEMBER" below the name, and "1411" at the bottom.

Joerg Martin Kleinboeck  
JMK Exploration Consulting  
April 30<sup>th</sup>, 2023  
North Bay, Ontario

## **Appendix II**

### **Sample Descriptions**





Property	Date	Sampler(s)	Sample	Easting	Northing	Tree Diameter (cm)	Notes	Au_ppb	Ag_ppm	As_ppm	Ba_ppm	Br_ppm	Ca_per	Co_ppm	Cr_ppm	Cs_ppm	Fe_per	Hg_ppm	Hf_ppm	Ir_ppb	K_per	Mo_ppm	Na_ppm	Ni_ppm	Rb_ppm	Sb_ppm	Sc_ppm	Se_ppm	Sr_ppm	Ta_ppm	Tb_ppm	U_ppm	W_ppm	Zn_ppm	La_ppm	Ce_ppm	Nd_ppm	Sm_ppm	Eu_ppm	Tb_ppm	Lu_ppm	Yb_ppm	Mass_g	RecWt_kg		
Darkwater	Feb24_23	JK, DH	500078	633486	5521777	18	patch of cedar, spruce, birch (low area)	0.4	<0.3	0.3	420	9.83	1.9	0.6	1.9	<0.05	0.06	0.18	<0.05	<0.1	1.16	<0.05	165	<2	2	0.04	0.17	<0.1	<100	<0.05	0.1	<0.01	<0.05	102	0.53	0.8	2.5	0.08	<0.05	<0.1	<0.001	<0.005	0.01	15.4	0.112	
Darkwater	Feb24_23	JK, DH	500079	633490	5521718	23	within old cut	<0.1	<0.3	0.03	424	6.41	1.43	0.6	1.4	<0.05	0.05	0.09	0.06	<0.1	1.21	<0.05	152	<2	5	0.04	0.13	<0.1	<100	<0.05	0.1	<0.01	<0.05	105	0.44	0.7	0.7	0.06	<0.05	<0.1	<0.001	<0.005	0.01	15.2	0.098	
Darkwater	Feb24_23	JK, DH	500080	633527	5521504	15	25m of north of road, within old cut	<0.1	<0.3	0.34	177	5.43	1.16	0.6	3.2	<0.05	0.08	0.11	<0.05	<0.1	0.97	<0.05	230	<2	4	0.05	0.23	<0.1	<100	<0.05	0.2	<0.01	<0.05	61	0.62	0.9	1.2	0.09	<0.05	<0.1	<0.001	<0.005	0.01	15.1	0.067	
Darkwater	Feb24_23	JK, DH	500081	633525	5521462	18	in old cut, mostly balsam fir and white birch	<0.1	<0.3	0.39	347	6.15	1.62	1.1	3.4	<0.05	0.09	0.13	0.05	<0.1	1.09	<0.05	261	<2	<1	0.08	0.23	<0.1	<100	<0.05	0.1	<0.01	<0.05	118	0.66	0.9	2.2	0.1	<0.05	<0.1	<0.001	<0.005	0.03	15.2	0.097	
Darkwater	Feb24_23	JK, DH	500082	633510	5521382	13	in old cut, mostly balsam fir and white birch	<0.1	<0.3	0.1	160	3.71	1.11	0.8	2	<0.05	0.07	0.09	<0.05	<0.1	0.99	<0.05	158	<2	<1	0.03	0.17	<0.1	<100	<0.05	0.1	<0.01	<0.05	57	0.42	0.7	<0.3	0.08	<0.05	<0.1	<0.001	<0.005	0.03	15.2	0.067	
Darkwater	Feb24_23	JK, DH	500083	633496	5521279	10	in old cut, mostly balsam fir and white birch	0.3	<0.3	0.04	201	4.21	0.87	0.4	2.4	0.18	0.05	0.09	<0.05	<0.1	1.09	<0.05	156	<2	3	0.03	0.17	<0.1	<100	<0.05	<0.1	<0.01	<0.05	48	0.48	0.7	0.3	0.08	<0.05	<0.1	<0.001	<0.005	0.01	15.2	0.055	
Darkwater	Feb24_23	JK, DH	500084	633531	5521154	10	in old cut, mostly balsam fir and white birch	<0.1	<0.3	0.14	133	2.9	0.98	0.4	1.2	0.14	0.03	0.1	<0.05	<0.1	1.1	<0.05	120	<2	2	0.03	0.12	<0.1	<100	<0.05	<0.1	<0.01	<0.05	58	0.36	1	<0.3	0.06	<0.05	<0.1	<0.001	<0.005	0.01	15.3	0.076	
Darkwater	Feb24_23	JK, DH	500085	633559	5521088	20	mixed forest, old cut to N	0.3	<0.3	0.08	559	5.46	1.84	0.5	1.5	<0.05	0.04	0.14	<0.05	<0.1	1.29	<0.05	126	<2	1	0.03	0.1	<0.1	<100	<0.05	<0.1	<0.01	<0.05	96	0.36	0.7	0.5	0.06	<0.05	<0.1	<0.001	<0.005	0.01	15.3	0.091	
Darkwater	Feb24_23	JK, DH	500086	633564	5521038	20	at edge of old cut	<0.1	<0.3	0.25	408	6.34	1.69	0.6	1.8	<0.05	0.04	0.19	<0.05	<0.1	1.39	<0.05	142	<2	3	0.05	0.15	<0.1	<100	<0.05	<0.1	<0.01	<0.05	120	0.48	0.8	0.9	0.08	<0.05	<0.1	<0.001	<0.005	0.01	15.1	0.113	
Darkwater	Feb24_23	JK, DH	500087	633793	5521345	25	mixed forest	<0.1	<0.3	0.26	622	11	2.02	0.9	1.4	<0.05	0.04	0.26	<0.05	<0.1	1.17	<0.05	138	<2	5	0.04	0.15	<0.1	<100	<0.05	<0.1	<0.01	<0.05	124	0.46	0.8	2	0.07	<0.05	<0.1	<0.001	<0.005	0.01	15.2	0.092	
Darkwater	Feb24_23	JK, DH	500088	633844	5521297	41	mixed forest	<0.1	<0.3	0.09	188	6.22	1.16	0.4	0.5	<0.05	0.02	0.09	<0.05	<0.1	1.15	<0.05	79	<2	4	0.02	0.06	<0.1	<100	<0.05	<0.1	<0.01	<0.05	46	0.23	0.4	0.4	0.04	<0.05	<0.1	<0.001	<0.005	0.01	15.2	0.112	
Darkwater	Feb24_23	JK, DH	500089	633808	5521243	51	5m S of creek, mixed with alders	<0.1	<0.3	<0.01	136	3.85	1.7	0.3	0.6	<0.05	0.11	<0.05	<0.1	0.87	<0.05	62	<2	5	0.01	0.06	<0.1	<100	<0.05	<0.1	<0.01	<0.05	214	0.19	0.2	<0.3	0.04	<0.05	<0.1	<0.001	<0.005	0.01	15.2	0.133		
Darkwater	Feb24_23	JK, DH	500090	633799	5521190	25	mixed forest, flat	<0.1	<0.3	0.04	240	7.22	1.49	0.5	1.4	<0.05	0.03	0.16	<0.05	<0.1	1.15	<0.05	85	<2	3	0.03	0.09	<0.1	<100	<0.05	<0.1	<0.01	<0.05	55	0.31	0.5	0.6	0.05	<0.05	<0.1	<0.001	<0.005	0.01	15.1	0.06	
Darkwater	Feb24_23	JK, DH	500091	633806	5521145	20	mixed forest	<0.1	<0.3	0.04	486	6.11	1.22	0.4	0.4	<0.05	0.02	0.14	<0.05	<0.1	0.99	<0.05	65	<2	2	0.01	0.06	<0.1	<100	<0.05	<0.1	<0.01	<0.05	94	0.27	0.5	1.8	0.04	<0.05	<0.1	<0.001	<0.005	0.01	15.2	0.081	
Darkwater	Feb24_23	JK, DH	500092	633817	5521107	30	mixed forest	<0.1	<0.3	0.16	683	4.76	2.04	0.4	0.4	<0.05	<0.05	0.11	<0.05	<0.1	0.85	<0.05	62	<2	<1	0.03	0.06	<0.1	<100	<0.05	<0.1	<0.01	<0.05	97	0.23	0.1	1.8	0.04	<0.05	<0.1	<0.001	<0.005	0.01	15.3	0.089	
Darkwater	Feb24_23	JK, DH	500093	633833	5521057	30	mixed forest, flat	<0.1	<0.3	0.01	327	4.09	2.62	0.3	0.7	<0.05	<0.05	0.11	<0.05	<0.1	0.89	<0.05	62	<2	6	0.01	0.05	<0.1	<100	<0.05	<0.1	<0.01	<0.05	143	0.23	0.4	1.5	0.03	<0.05	<0.1	<0.001	<0.005	0.01	15.2	0.13	
Darkwater	Feb24_23	JK, DH	500094	633692	5521054	30	mixed forest, flat	<0.1	<0.3	0.12	274	10.7	1.43	0.2	0.8	<0.05	0.01	0.89	<0.05	0.105	<0.05	105	<2	3	0.03	0.1	0.2	<100	<0.05	<0.1	<0.01	<0.05	35	0.41	1	0.8	0.06	<0.05	<0.1	<0.001	<0.005	0.01	15.1	0.091		
Darkwater	Feb24_23	JK, DH	500095	633675	5521103	18	mixed forest, flat	<0.1	<0.3	0.04	210	5.48	2.06	0.2	0.7	<0.05	0.03	0.11	<0.05	<0.1	0.94	<0.05	91	<2	<1	0.03	0.08	<0.1	<100	<0.05	<0.1	<0.01	<0.05	118	0.34	0.4	0.4	0.05	<0.05	<0.1	<0.001	<0.005	0.01	15.2	0.113	
Darkwater	Feb24_23	JK, DH	500096	633656	5521153	33	mixed forest	<0.1	<0.3	0.18	322	7.97	1.3	0.4	0.9	<0.05	0.04	0.12	<0.05	<0.1	0.88	<0.05	109	<2	<1	0.03	0.11	<0.1	<100	<0.05	<0.1	<0.01	<0.05	120	0.42	0.6	1.9	0.07	<0.05	<0.1	<0.001	<0.005	0.01	15.1	0.13	
Darkwater	Feb24_23	JK, DH	500097	633691	5521196	20	mixed forest, old cut to NW	<0.1	<0.3	0.03	415	6.08	1.85	0.5	1	0.07	0.03	0.09	<0.05	<0.1	0.95	<0.05	95	<2	2	0.02	0.09	<0.1	<100	<0.05	<0.1	<0.01	<0.05	62	0.31	0.4	0.5	0.04	<0.05	<0.1	<0.001	<0.005	0.01	15.1	0.107	
Darkwater	Feb24_23	JK, DH	500098	633667	5521261	51	mixed forest, at edge of old cut	<0.1	<0.3	<0.01	467	2.89	2.39	0.2	<0.3	<0.05	0.01	0.07	<0.05	<0.1	1.15	<0.05	70	<2	3	0.01	0.06	<0.1	<100	<0.05	<0.1	<0.01	<0.05	191	0.23	0.3	0.4	1.1	0.03	<0.05	<0.1	<0.001	<0.005	0.01	15.2	0.125
Darkwater	Feb24_23	JK, DH	500099	633696	5521310	30	mixed forest, at edge of old cut	<0.1	<0.3	0.1	509	6.11	1.21	0.5	0.8	<0.05	0.03	0.14	<0.05	<0.1	1	0.34	83	<2	2	0.02	0.07	<0.1	<100	<0.05	<0.1	<0.01	<0.05	73	0.29	0.5	2.1	0.04	<0.05	<0.1	<0.001	<0.005	0.01	15.2	0.104	
Darkwater	Feb24_23	JK, DH	50100	633696	5521310	30	duplicate of 500099	<0.1	<0.3	<0.01	513	6.52	1.14	0.5	0.8	<0.05	0.03	0.14	<0.05	<0.1	1.05	<0.05	86	<2	4	0.01	0.09	0.2	<100	<0.05	<0.1	<0.01	<0.05	72	0.31	0.4	2.3	0.04	<0.05	<0.1	<0.001	<0.005	0.01	15.3	0.134	
Darkwater	Feb24_23	JK, DH	50101	633671	5521494	13	road 5m to N, old cut.	<0.1	<0.3	0.39	89	4.53	0.73	0.6	2.6	0.26	0.09	0.05	0.09	<0.1	0.96	<0.05	243	<2	4	0.07	0.24	<0.1	<100	<0.05	0.1	<0.01	<0.05	46	0.78	1	1	0.13	<0.05	<0.1	<0.001	<0.005	0.04	15.4	0.042	
Darkwater	Feb25_23	JK, DH	500102	633669	5521455	23	10m N of road, old cut, mixed regeneration.	<0.1	<0.3	0.3	381	3.97	1.6	1	3.6	<0.05	0.14	0.16	0.12	<0.1	1.14	<0.05																								

Property	Date	Sampler(s)	Sample	Easting	Northing	Tree Diameter (cm)	Notes	Au_ppb	Ag_ppm	As_ppm	Ba_ppm	Br_ppm	Ca_per	Co_ppm	Cr_ppm	Cs_ppm	Fe_per	Hg_ppm	Hf_ppm	Ir_ppb	K_per	Mo_ppm	Na_ppm	Ni_ppm	Rb_ppm	Sb_ppm	Sc_ppm	Se_ppm	Sr_ppm	Ta_ppm	Th_ppm	U_ppm	W_ppm	Zn_ppm	La_ppm	Ce_ppm	Nd_ppm	Sm_ppm	Eu_ppm	Tb_ppm	Lu_ppm	Yb_ppm	Mass_g	RecWt_kg
Darkwater	Feb25_23	JK, DH	500145	632970	5521659	15	old cut, mixed regeneration, flat.	<0.1	<0.3	0.15	490	3.96	2.01	0.4	1.4	<0.05	0.03	0.07	<0.05	<0.1	0.89	<0.05	101	<2	<1	0.04	0.1	<0.1	<100	<0.05	<0.1	<0.01	<0.05	122	0.34	0.6	1.7	0.06	<0.05	<0.1	<0.001	<0.005	15.3	0.128
Darkwater	Feb25_23	JK, DH	500146	632971	5521660	15	old cut, mixed regeneration, flat.	<0.1	<0.3	0.02	89	1.79	0.61	0.1	0.5	<0.05	0.01	<0.05	<0.01	1.09	<0.05	48	<2	<1	0.01	0.04	<0.1	<100	<0.05	<0.1	<0.01	<0.05	45	0.18	0.4	<0.3	0.03	<0.05	<0.1	<0.001	<0.005	15.3	0.142	
Darkwater	Feb25_23	JK, DH	500147	632976	5521501	13	old cut, mixed regeneration, flat.	<0.1	<0.3	<0.01	94	2.11	0.96	0.1	0.5	<0.05	0.01	<0.05	<0.01	0.8	<0.05	63	<2	<1	0.01	0.05	<0.1	<100	<0.05	<0.1	<0.01	<0.05	53	0.22	0.4	0.6	0.03	<0.05	<0.1	<0.001	<0.005	15.4	0.11	
Darkwater	Feb25_23	JK, DH	500148	632990	5521440	20	old cut area to north, black spruce forest	<0.1	<0.3	0.02	160	3.41	1.37	0.3	0.9	<0.05	0.02	0.11	<0.05	<0.1	0.85	<0.05	76	<2	<1	0.02	0.07	<0.1	<100	<0.05	<0.1	<0.01	<0.05	99	0.28	0.6	0.5	0.04	<0.05	<0.1	<0.001	<0.005	15.3	0.05
Darkwater	Feb25_23	JK, DH	500149	632929	5521392	23	on edge of old cut, flat.	<0.1	<0.3	0.05	174	2.99	1.24	0.3	0.8	<0.05	0.02	0.1	<0.05	<0.1	1.09	<0.05	71	<2	<1	0.02	0.06	<0.1	<100	<0.05	<0.1	<0.01	<0.05	68	0.25	0.4	0.8	0.04	<0.05	<0.1	<0.001	<0.005	15.3	0.152
Darkwater	Feb25_23	JK, DH	500150	632929	5521392	23	duplicate of 500149.	<0.1	<0.3	0.09	178	3.14	1.34	0.4	0.4	<0.05	0.01	0.09	<0.05	<0.1	0.67	<0.05	71	<2	<1	0.02	0.06	<0.1	<100	<0.05	<0.1	<0.01	<0.05	67	0.27	0.5	0.6	0.04	<0.05	<0.1	<0.001	<0.005	15.1	0.16
Darkwater	Feb25_23	JK, DH	500151	632922	5521346	13	on edge of old cut and black spruce patch, flat.	<0.1	<0.3	0.06	154	4.86	2.57	<0.1	1.1	<0.05	0.02	0.1	<0.05	<0.1	0.87	<0.05	101	<2	<1	0.02	0.08	<0.1	<100	<0.05	0.1	<0.01	<0.05	101	0.31	0.6	1.1	0.05	<0.05	<0.1	<0.001	<0.005	15.2	0.139
Darkwater	Feb25_23	JK, DH	500152	632935	5521281	30	on edge of old cut and black spruce patch to S, flat.	<0.2	<0.3	0.22	140	7.47	1.69	0.4	1	<0.05	0.03	0.17	<0.05	<0.1	0.95	<0.05	121	<2	<1	0.04	0.11	<0.1	<100	<0.05	0.1	<0.01	<0.05	124	0.45	0.6	0.9	0.07	<0.05	<0.1	<0.001	<0.005	15.2	0.141
Darkwater	Feb25_23	JK, DH	500153	632917	5521225	20	on edge of old cut and black spruce patch to S, flat.	<0.1	<0.3	<0.01	172	5.22	1.61	0.3	1	<0.05	0.02	0.11	<0.05	<0.1	1.05	<0.05	115	<2	1	0.03	0.09	<0.1	<100	<0.05	<0.1	<0.01	<0.05	114	0.37	0.7	1	0.06	<0.05	<0.1	<0.001	<0.005	15.2	0.136
Darkwater	Feb25_23	JK, DH	500154	632938	5521171	30	N, flat.	<0.1	<0.3	0.05	314	4.18	1.52	0.4	0.9	<0.05	0.02	0.15	<0.05	<0.1	0.66	<0.05	95	<2	<1	0.02	0.07	<0.1	<100	<0.05	<0.1	<0.01	<0.05	114	0.3	0.5	0.5	0.05	<0.05	<0.1	<0.001	<0.005	15.3	0.13
Darkwater	Feb25_23	JK, DH	500155	632988	5521108	13	old cut boundary with new cut to S, flat.	<0.1	<0.3	0.05	139	3.6	1.25	0.1	1	<0.05	0.02	0.1	<0.05	<0.1	1.08	<0.05	89	<2	<1	0.02	0.08	<0.1	<100	<0.05	0.1	<0.01	<0.05	47	0.3	0.6	0.6	0.04	<0.05	<0.1	<0.001	<0.005	15.3	0.136
Darkwater	Feb26_23	JK, DH	500156	632804	5521540	13	black spruce forest/patch within old cut, flat.	0.4	<0.3	<0.01	93	3.05	0.85	0.3	0.8	<0.05	0.02	<0.05	<0.05	<0.1	0.57	<0.05	80	<2	<1	0.02	0.06	<0.1	<100	<0.05	<0.1	<0.01	<0.05	72	0.27	0.6	0.6	0.04	<0.05	<0.1	<0.001	<0.005	15.3	0.092
Darkwater	Feb26_23	JK, DH	500157	632788	5521612	23	black spruce forest/patch within old cut, flat.	<0.1	<0.3	0.14	249	5.39	1.35	0.2	1.5	<0.05	0.03	0.14	<0.05	<0.1	0.86	<0.05	135	<2	<1	0.03	0.11	<0.1	<100	<0.05	0.1	<0.01	<0.05	94	0.41	0.7	0.3	0.06	<0.05	<0.1	<0.001	0.01	15.1	0.121
Darkwater	Feb26_23	JK, DH	500158	632784	5521677	10	at edge of old cut to N.	<0.1	<0.3	<0.01	228	4.67	1.36	0.3	1.1	<0.05	0.03	0.09	<0.05	<0.1	0.76	<0.05	106	<2	1	0.04	0.08	<0.1	<100	<0.05	<0.1	<0.01	<0.05	103	0.36	0.6	0.8	0.06	<0.05	<0.1	<0.001	<0.005	15.1	0.105
Darkwater	Feb26_23	JK, DH	500159	632777	5521792	10	in old cut, mixed regeneration, flat.	0.2	<0.3	<0.01	140	3.86	1.4	0.3	1	<0.05	0.02	0.14	<0.05	<0.1	1.29	<0.05	97	<2	2	0.03	0.08	<0.1	<100	<0.05	<0.1	<0.01	<0.05	92	0.34	0.6	0.8	0.05	<0.05	<0.1	<0.001	<0.005	15.2	0.11
Darkwater	Feb26_23	JK, DH	500160	632771	5521931	15	at edge of old cut to E, black spruce forest to W, flat.	<0.1	<0.3	0.04	187	3.36	2.35	0.4	0.8	<0.05	0.01	0.1	0.05	<0.1	0.9	<0.05	87	<2	3	0.03	0.07	<0.1	<100	<0.05	0.1	<0.01	<0.05	75	0.31	0.6	0.7	0.05	<0.05	<0.1	<0.001	<0.005	15.9	0.087
Darkwater	Feb26_23	JK, DH	500161	632774	5522038	25	at north end of old cut, black spruce forest to N, flat.	<0.1	<0.3	0.04	109	3.94	1.66	0.3	0.8	<0.05	0.02	0.1	<0.05	<0.1	1.13	<0.05	91	<2	2	0.01	0.06	<0.1	<100	<0.05	0.1	<0.01	<0.05	60	0.25	0.5	0.9	0.04	<0.05	<0.1	<0.001	<0.005	15.2	0.135
Darkwater	Feb26_23	JK, DH	500162	632784	5522107	30	mixed forest, mostly black spruce and white birch, flat.	<0.1	<0.3	0.09	217	7.34	1.64	0.6	1.1	<0.05	0.02	0.18	<0.05	<0.1	0.06	<0.05	100	<2	2	0.05	0.07	<0.1	<100	<0.05	0.1	<0.01	<0.05	61	0.34	0.6	1	0.05	<0.05	<0.1	<0.001	<0.005	15.3	0.119
Darkwater	Feb26_23	JK, DH	500163	632776	5522170	25	mixed forest, mostly black spruce and white birch, flat.	<0.1	<0.3	0.21	606	10.5	1.41	0.6	0.9	<0.05	0.02	0.2	<0.05	<0.1	0.92	<0.05	106	<2	4	0.04	0.09	<0.1	<100	<0.05	<0.1	<0.01	<0.05	120	0.35	0.8	2.5	0.06	<0.05	<0.1	<0.001	<0.005	15.3	0.117
Darkwater	Feb26_23	JK, DH	500164	632631	5522170	20	at edge of blow down to S, flat.	<0.1	<0.3	0.09	164	6.61	1.3	0.7	0.7	<0.05	0.02	0.2	<0.05	<0.1	0.91	<0.05	106	<2	3	0.04	0.09	<0.1	<100	<0.05	<0.1	0.03	<0.05	74	0.34	0.6	1	0.05	<0.05	<0.1	<0.001	<0.005	15.3	0.138
Darkwater	Feb26_23	JK, DH	500165	632620	5522092	28	in blow down, flat, mostly black spruce & white birch.	<0.1	<0.3	0.07	296	6.42	1.72	<0.1	0.9	<0.05	0.02	0.14	<0.05	<0.1	0.76	<0.05	94	<2	1	0.04	0.07	<0.1	<100	<0.05	<0.1	<0.01	<0.05	116	0.29	0.7	0.8	0.04	<0.05	<0.1	<0.001	<0.005	15.3	0.146
Darkwater	Feb26_23	JK, DH	500166	632621	5522037	20	black spruce, white birch, and poplar forest, flat.	<0.1	<0.3	0.08	256	10.1	1.15	0.8	1.1	<0.05	0.03	0.17	<0.05	<0.1	1.17	<0.05	104	<2	2	0.03	0.08	<0.1	<100	<0.05	<0.1	<0.01	<0.05	92	0.4	0.8	1.9	0.06	<0.05	<0.1	<0.001	<0.005	15.3	0.124
Darkwater	Feb26_23	JK, DH	500167	632643	5521992	30	at edge of old cut to S, flat.	<0.1	<0.3	0.14	226	4.43	1.54	0.5	0.7	<0.05	0.02	0.1	<0.05	<0.1	0.99	<0.05	84	<2	2	0.04	0.07	<0.1	<100	<0.05	<0.1	<0.01	<0.05	136	0.38	0.7	0.4	0.04	<0.05	<0.1	<0.001	<0.005	15.1	0.143
Darkwater	Feb26_23	JK, DH	500168	632632	5521947	15	in old cut, mixed regeneration, flat.	<0.1	<0.3	0.09	187	4.06	1.53	0.4	0.7	<0.05	0.02	0.05	<0.05	<0.1	1.06	<0.05	82	<2	2	<0.005	0.06	<0.1	<100	<0.05	<0.1	<0.01	<0.05	77	0.29	0.6	0.3	0.04	<0.05	<0.1	<0.001	<0.005	15.2	0.134
Darkwater	Feb26_23	JK, DH	500169	632627	5521877	20	in black spruce forest/patch within old cut.	<0.1	<0.3	0.07	238	9.84	1.88	0.6	1.6	<0.05	0.04	0.17	<0.05	<0.1	1.01	<0.05	125	<2	2	0.04	0.1	<0.1	<100	<0.05	<0.1	<0.01	<0.05	80	0.51									

Property	Date	Sampler(s)	Sample	Easting	Northing	Tree Diameter (cm)	Notes	Au_ppb	Ag_ppm	As_ppm	Ba_ppm	Br_ppm	Ca_per	Co_ppm	Cr_ppm	Cs_ppm	Fe_per	Hg_ppm	Hf_ppm	Ir_ppb	K_per	Mo_ppm	Na_ppm	Ni_ppm	Rb_ppm	Sb_ppm	Sc_ppm	Se_ppm	Sr_ppm	Ta_ppm	Th_ppm	U_ppm	W_ppm	Zn_ppm	La_ppm	Ce_ppm	Nd_ppm	Sm_ppm	Eu_ppm	Tb_ppm	Lu_ppm	Yb_ppm	Mass_g	RecWt_kg
Darkwater	Feb27_23	JK, DH	500207	636886	5523122	38	mixed forest (white birch, spr, balsam, poplar), slight slope to N.	<0.1	<0.3	0.03	128	4.74	2.06	0.5	0.4	0.12	0.01	0.09	<0.05	<0.1	1	<0.05	67	<2	9	0.02	0.04	<0.1	<100	<0.05	<0.1	<0.01	<0.05	134	0.2	0.3	0.6	0.02	<0.05	<0.1	<0.001	<0.005	15.4	0.13
Darkwater	Feb27_23	JK, DH	500208	636890	5523078	30	poplar), slight slope to N.	<0.1	<0.3	<0.01	279	5.03	1.31	0.9	0.3	<0.05	0.01	0.14	<0.05	<0.1	1.3	<0.05	71	<2	2	0.03	0.05	<0.1	<100	<0.05	<0.1	<0.01	<0.05	80	0.24	0.5	0.8	0.03	<0.05	<0.1	<0.001	<0.005	15.1	0.11
Darkwater	Feb27_23	JK, DH	500209	636874	5523016	33	mixed forest (poplar, balsam fir, white birch, spruce), flat.	<0.1	<0.3	0.05	263	5.52	2	0.5	0.8	<0.05	0.01	0.13	<0.05	<0.1	1.13	<0.05	97	<2	3	0.02	0.06	<0.1	100	<0.05	<0.1	<0.01	<0.05	222	0.3	0.6	0.3	0.03	<0.05	<0.1	<0.001	<0.005	15.3	0.139
Darkwater	Feb27_23	JK, DH	500210	636810	5522964	28	birch, spruce), flat.	0.3	<0.3	0.2	226	8.99	1.68	1.1	1	<0.05	0.02	0.17	<0.05	<0.1	1.1	<0.05	105	<2	3	0.03	0.07	<0.1	<100	<0.05	0.1	<0.01	<0.05	65	0.32	0.6	<0.3	0.03	<0.05	<0.1	<0.001	<0.005	15.3	0.118
Darkwater	Feb27_23	JK, DH	500211	636898	5522918	30	edge of old cut to S, flat.	<0.1	<0.3	0.05	209	5.29	2.43	0.5	1	<0.05	0.01	0.11	<0.05	<0.1	1.04	<0.05	91	<2	5	0.03	0.06	<0.1	100	<0.05	<0.1	<0.01	<0.05	115	0.26	0.6	1.5	0.03	<0.05	<0.1	<0.001	<0.005	15.1	0.145
Darkwater	Feb27_23	JK, DH	500212	636932	5522669	30	outcrop to S, mixed regeneration.	<0.1	<0.3	0.04	161	4.96	1.38	0.8	1	<0.05	0.01	0.13	<0.05	<0.1	0.98	<0.05	100	<2	2	0.02	0.07	<0.1	<100	<0.05	<0.1	<0.01	<0.05	97	0.3	0.8	<0.3	0.04	<0.05	<0.1	<0.001	<0.005	15.3	0.126
Darkwater	Feb27_23	JK, DH	500213	636910	5522588	20	slope to N, old cut. Outcrop in area.	<0.1	<0.3	0.07	108	3.12	1.01	0.6	1.4	0.17	0.02	0.14	<0.05	<0.1	1.33	<0.05	97	<2	2	0.02	0.07	<0.1	<100	<0.05	0.1	<0.01	<0.05	54	0.3	0.8	<0.3	0.04	<0.05	<0.1	<0.001	<0.005	15.3	0.132
Darkwater	Feb27_23	JK, DH	500214	636892	5522538	15	in old cut, mixed regeneration.	<0.1	<0.3	0.05	111	5.26	0.93	0.7	1	<0.05	0.02	0.11	<0.05	<0.1	1.05	<0.05	103	<2	2	0.02	0.08	<0.1	<100	<0.05	0.1	<0.01	<0.05	63	0.27	0.7	1.2	0.03	<0.05	<0.1	<0.001	<0.005	15.3	0.133
Darkwater	Feb27_23	JK, DH	500215	636913	5522468	10	in old cut, mixed regeneration. Outcrop in area.	<0.1	<0.3	0.1	241	5.32	1.25	0.9	1.9	<0.05	0.04	0.13	<0.05	<0.1	1.04	0.22	172	<2	1	0.04	0.13	<0.1	<100	<0.05	0.1	<0.01	<0.05	149	0.56	0.8	<0.3	0.07	<0.05	<0.1	<0.001	0.02	15.2	0.112
Darkwater	Feb27_23	JK, DH	500216	637422	5523089	20	at northern edge of lake. Flat. Mixed forest (spruce, balsam, birch, poplar)	0.3	<0.3	0.07	326	4.65	2.33	0.8	1.2	<0.05	0.04	0.13	<0.05	<0.1	1.37	<0.05	129	<2	<1	0.04	0.1	<0.1	<100	<0.05	0.1	<0.01	<0.05	97	0.47	0.8	0.4	0.06	<0.05	<0.1	<0.001	<0.005	15.4	0.125
Darkwater	Feb27_23	JK, DH	500217	637430	5523216	18	poplar), flat.	<0.1	<0.3	0.14	200	7.13	2.1	0.8	0.9	<0.05	0.01	0.13	<0.05	<0.1	1.04	<0.05	91	<2	6	0.03	0.05	<0.1	<100	<0.05	0.1	<0.01	<0.05	143	0.28	0.3	0.5	0.03	<0.05	<0.1	<0.001	<0.005	15.3	0.158
Darkwater	Feb27_23	JK, DH	500218	637444	5523306	20	mixed forest, generally flat.	<0.1	<0.3	0.15	403	8.46	2.54	1.2	0.8	<0.05	0.01	0.19	<0.05	<0.1	1.2	<0.05	114	<2	3	0.03	0.07	<0.1	<100	<0.05	0.1	<0.01	<0.05	100	0.32	0.6	0.7	0.04	<0.05	<0.1	<0.001	<0.005	15.3	0.138
Darkwater	Feb27_23	JK, DH	500219	637439	5523359	30	mixed forest, slight slope to E.	<0.1	<0.3	0.18	364	7.92	2.01	2.2	0.7	<0.05	0.01	0.15	<0.05	<0.1	0.8	<0.05	106	<2	4	0.02	0.05	<0.1	<100	<0.05	<0.1	<0.01	<0.05	79	0.3	0.5	<0.3	0.03	<0.05	<0.1	<0.001	<0.005	15.3	0.127
Darkwater	Feb27_23	JK, DH	500220	637425	5523407	33	slight slope to S, mixed forest	<0.1	<0.3	0.21	577	11.2	2.32	1.4	0.8	<0.05	0.03	0.25	<0.05	<0.1	1.55	<0.05	118	<2	4	0.05	0.09	<0.1	100	<0.05	<0.1	<0.01	<0.05	123	0.45	0.3	0.9	0.05	<0.05	<0.1	<0.001	<0.005	15.1	0.126
Darkwater	Feb27_23	JK, DH	500221	637422	5523448	18	black spruce forest, moderate slope to N (Sturgeon Lake - 50m)	0.4	<0.3	<0.01	175	5.54	1.4	0.5	<0.3	<0.05	0.01	0.11	<0.05	<0.1	1.2	<0.05	84	<2	<1	0.01	0.06	<0.1	<100	<0.05	<0.1	<0.01	<0.05	96	0.26	0.7	<0.3	0.03	<0.05	<0.1	<0.001	<0.005	15.2	0.111
Darkwater	Feb27_23	JK, DH	500222	637347	5523411	25	black spruce forest, moderate slope to N (Sturgeon Lake - 50m)	<0.1	<0.3	0.11	234	9.39	2.61	0.8	1.3	0.16	0.03	0.27	<0.05	<0.1	1.03	<0.05	123	7	4	0.04	0.09	<0.1	<100	<0.05	0.1	0.13	<0.05	124	0.37	0.6	0.4	0.03	<0.05	<0.1	<0.001	<0.005	15.4	0.107
Darkwater	Feb27_23	JK, DH	500223	637347	5523353	30	flat, mixed forest (blk spr, bal, birch, pop)	0.8	<0.3	0.04	403	5.19	2.94	0.4	0.3	<0.05	0.01	0.17	0.07	<0.1	1.14	<0.05	94	<2	7	0.02	0.07	<0.1	100	<0.05	<0.1	<0.01	<0.05	238	0.32	0.5	0.8	0.03	<0.05	<0.1	<0.001	<0.005	15.2	0.13
Darkwater	Feb27_23	JK, DH	500224	637353	5523300	36	flat, mixed forest (blk spr, bal, birch, pop)	<0.1	<0.3	0.21	532	8.16	1.89	1.6	<0.3	<0.05	0.03	0.27	<0.05	<0.1	1.27	<0.05	109	<2	3	0.04	0.08	<0.1	<100	<0.05	<0.1	<0.01	<0.05	116	0.36	0.4	1.5	0.06	<0.05	<0.1	<0.001	<0.005	15.3	0.146
Darkwater	Feb27_23	JK, DH	500225	637353	5523300	36	duplicate of 500224	<0.1	<0.3	0.13	478	7.59	1.72	1.8	<0.3	<0.05	0.02	0.15	<0.05	<0.1	1.2	<0.05	115	<2	2	0.05	0.1	<0.1	<100	<0.05	<0.1	<0.01	<0.05	112	0.43	1.4	1.6	0.06	<0.05	<0.1	<0.001	<0.005	15.3	0.146
Darkwater	Feb27_23	JK, DH	500226	637348	5523245	30	mixed forest, slight slope to E.	<0.1	<0.3	<0.01	583	6.28	1.68	1.8	<0.3	<0.05	0.03	0.15	<0.05	<0.1	1.24	<0.05	115	<2	3	0.04	0.11	<0.1	<100	<0.05	<0.1	<0.01	<0.05	59	0.37	0.7	1.2	0.04	<0.05	<0.1	<0.001	<0.005	15.1	0.105
Darkwater	Feb27_23	JK, DH	500227	637340	5523125	38	flat, mixed forest	<0.1	<0.3	<0.01	352	3.37	2.43	0.4	0.8	<0.05	0.02	0.07	<0.05	<0.1	1.3	<0.05	95	<2	4	0.02	0.08	<0.1	<100	<0.05	<0.1	<0.01	<0.05	188	0.32	<0.1	<0.3	0.05	<0.05	<0.1	<0.001	<0.005	15.2	0.141
Darkwater	Feb27_23	JK, DH	500228	637329	5523076	30	flat, mixed forest	<0.1	<0.3	<0.01	190	3.76	2.11	0.5	1.1	<0.05	0.02	0.08	<0.05	<0.1	1.15	<0.05	89	<2	9	0.02	0.07	<0.1	<100	<0.05	<0.1	<0.01	<0.05	151	0.31	0.4	<0.3	0.04	<0.05	<0.1	<0.001	<0.005	15.3	0.142
Darkwater	Feb27_23	JK, DH	500229	637371	5523021	36	at edge of lake	<0.1	<0.3	0.18	739	8.07	2.82	1	2	<0.05	0.04	0.18	<0.05	<0.1	0.92	<0.05	180	<2	<1	0.06	0.14	<0.1	<100	<0.05	<0.1	<0.01	<0.05	110	0.55	0.6	2	0.1	<0.05	<0.1	<0.001	<0.005	15.2	0.129
Darkwater	Feb27_23	JK, DH	500230	636791	5522411	18	moderate slope to N. Mixed forest. Slight slope to N. o/c in area. Mixed forest	0.3	<0.3	0.54	171	7.62	0.96	1.4	3.8	<0.05	0.13	0.21	<0.05	<0.1	1.24	<0.05	327	<2	4	0.07	0.37	<0.1	<100	<0.05	0.1	<0.01	<0.05	65	0.64	0.8	<0.3	0.1	<0.05	<0.1	<0.001	<0.005	15.2	0.092
Darkwater	Feb28_23	JK, DH	500231	636754	5522366	25	(balsam, spruce, birch, jack pine)	<0.1	<0.3	<0.01	443	3.74	2.65	0.3	0.8	<0.05	0.03	0.09	<0.05	<0.1	1.15	<0.05	117	<2	5	0.02	0.1	<0.1	<100	<0.05	<0.1	<0.01	<0.05	178	0.34</									

Property	Date	Sampler(s)	Sample	Easting	Northing	Tree Diameter (cm)	Notes	Au_ppb	Ag_ppm	As_ppm	Ba_ppm	Br_ppm	Ca_per	Co_ppm	Cr_ppm	Cs_ppm	Fe_per	Hg_ppm	HF_ppm	Ir_ppb	K_per	Mo_ppm	Na_ppm	Ni_ppm	Rb_ppm	Sb_ppm	Sc_ppm	Se_ppm	Sr_ppm	Ta_ppm	Th_ppm	U_ppm	W_ppm	Zn_ppm	La_ppm	Ce_ppm	Nd_ppm	Sm_ppm	Eu_ppm	Tb_ppm	Lu_ppm	Yb_ppm	Mass_g	RecWt_kg
Darkwater	March1_23	JK, DH	500264	637007	5522294	13	mixed forest (spr, bal, pop), steep slope to W, on east side NNE face	<0.1	<0.3	0.05	344	3.65	1.45	0.9	0.6	<0.05	0.02	0.14	<0.05	<0.1	1.04	<0.05	75	<2	1	0.03	0.08	<0.1	<100	<0.05	<0.1	<0.01	<0.05	66	0.27	0.5	1	0.04	<0.05	<0.1	<0.001	<0.005	15.2	0.11
Darkwater	March1_23	JK, DH	500265	637024	5522214	20	mixed forest (spr, bal, jack pine), slope to W.	<0.1	<0.3	0.06	675	5.52	2.23	0.9	0.4	<0.05	0.03	0.16	<0.05	<0.1	0.96	<0.05	92	<2	1	0.03	0.08	<0.1	<100	<0.05	0.1	<0.01	<0.05	79	0.36	0.6	2.3	0.04	<0.05	<0.1	<0.001	0.01	15.2	0.125
Darkwater	March1_23	JK, DH	500266	637053	5522108	15	in old cut, mixed regen. Slight slope to N.	<0.1	<0.3	0.06	168	4.2	0.48	0.6	1.1	0.3	0.03	0.15	<0.05	<0.1	0.97	<0.05	93	<2	7	0.03	0.09	<0.1	<100	<0.05	0.1	<0.01	<0.05	28	0.31	0.9	1.4	0.05	<0.05	<0.1	<0.001	0.01	15.2	0.093
Darkwater	March1_23	JK, DH	500267	637062	5521626	20	in old cut, almost all jackpine to N to last sample.	<0.1	<0.3	0.06	638	5.78	0.78	0.2	0.4	<0.05	0.03	0.17	<0.05	<0.1	0.99	<0.05	81	<2	4	0.02	0.07	<0.1	<100	<0.05	<0.1	<0.01	<0.05	82	0.26	0.5	0.8	0.04	<0.05	<0.1	<0.001	<0.005	15.2	0.134
Darkwater	March1_23	JK, DH	500268	637053	5521578	18	in old cut, natural regeneration (balsam, spruce, poplar, white birch)	<0.1	<0.3	0.02	482	3.68	0.59	0.5	1	<0.05	<0.005	0.15	<0.05	<0.1	0.9	<0.05	75	<2	3	0.01	0.07	<0.1	<100	<0.05	<0.1	<0.01	<0.05	75	0.23	0.4	0.6	0.03	<0.05	<0.1	<0.001	<0.005	15.1	0.148
Darkwater	March1_23	JK, DH	500269	637023	5521555	20	in old cut, mostly poplar, slight to moderate slope to NW	0.1	<0.3	0.2	649	4.48	1.2	0.6	1.2	<0.05	0.02	0.15	<0.05	<0.1	0.74	0.23	91	<2	5	0.03	0.08	<0.1	<100	<0.05	0.1	<0.01	<0.05	115	0.34	0.7	0.7	0.04	<0.05	<0.1	<0.001	0.01	15.1	0.099
Darkwater	March1_23	JK, DH	500270	637183	5521593	20	in old cut, moderate slope to E. Mixed regen (balsam, spruce, poplar)	<0.1	<0.3	0.07	174	6.6	0.42	0.3	1.8	<0.05	0.02	0.16	<0.05	<0.1	0.86	<0.05	110	<2	4	0.03	0.09	<0.1	<100	<0.05	<0.1	0.35	<0.05	53	0.29	0.3	0.8	<0.001	<0.05	<0.1	<0.001	<0.005	15.3	0.137
Darkwater	March1_23	JK, DH	500271	637229	5521707	13	in old cut, jackpine replant, slight slope to W.	<0.1	<0.3	0.06	191	4.47	0.58	0.2	1.6	<0.05	0.03	0.1	0.05	<0.1	0.99	<0.05	111	<2	2	0.03	0.09	<0.1	<100	<0.05	0.2	<0.01	<0.05	43	0.34	0.6	1.1	0.05	<0.05	<0.1	<0.001	0.01	15.1	0.115
Darkwater	March1_23	JK, DH	500272	637225	5521959	20	in old cut, mixed regen. Moderate slope to NE.	<0.1	<0.3	0.14	357	3.63	1.02	0.6	0.9	<0.05	0.02	0.15	<0.05	<0.1	0.84	<0.05	102	<2	3	0.02	0.08	<0.1	<100	<0.05	0.1	<0.01	<0.05	85	0.24	0.6	0.4	0.04	<0.05	<0.1	<0.001	<0.005	15.4	0.15
Darkwater	March1_23	JK, DH	500273	637220	5522011	25	in old cut, mixed regen (spruce, poplar, balsam). Slight slope to E.	<0.1	<0.3	0.06	642	7.48	1.7	0.9	1.7	<0.05	0.02	0.27	<0.05	<0.1	0.79	<0.05	119	<2	7	0.03	0.08	<0.1	<100	<0.05	<0.1	<0.01	<0.05	98	0.31	0.2	2.9	0.05	<0.05	<0.1	<0.001	<0.005	15.3	0.154
Darkwater	March1_23	JK, DH	500274	637194	5522087	23	moderate slope to N.	<0.1	<0.3	0.04	558	5.86	1.95	0.6	1.1	<0.05	0.03	0.17	<0.05	<0.1	0.92	<0.05	132	<2	1	0.02	0.1	<0.1	<100	<0.05	<0.1	<0.01	<0.05	91	0.42	0.9	1.2	0.05	<0.05	<0.1	<0.001	0.01	15	0.113
Darkwater	March1_23	JK, DH	500275	637194	5522087	23	Duplicate of 500274	0.1	<0.3	0.12	535	5.42	1.83	0.6	1.8	<0.05	0.03	0.22	<0.05	<0.1	1.21	<0.05	123	<2	4	0.01	0.09	<0.1	<100	<0.05	0.1	<0.01	<0.05	96	0.36	0.9	2.8	0.05	<0.05	<0.1	<0.001	<0.005	15.3	0.117
Darkwater	March1_23	JK, DH	500276	637185	5522146	30	mixed forest, moderate slope to N.	0.3	<0.3	0.17	520	7.02	1.88	1.7	0.8	<0.05	0.03	0.19	0.05	<0.1	0.87	<0.05	133	<2	4	0.04	0.11	<0.1	<100	<0.05	0.1	<0.01	<0.05	75	0.42	0.9	0.9	0.06	<0.05	<0.1	<0.001	<0.005	15.2	0.128
Darkwater	March1_23	JK, DH	500277	637190	5522227	30	mixed forest, at base of slope to N.	<0.1	<0.3	0.08	206	6.12	1.65	0.9	0.5	0.7	0.02	0.19	<0.05	<0.1	0.89	<0.05	113	<2	6	0.02	0.07	<0.1	<100	<0.05	<0.1	<0.01	<0.05	48	0.27	0.6	2	0.04	<0.05	<0.1	<0.001	<0.005	15.3	0.142
Darkwater	March1_23	JK, DH	500278	637196	5522266	25	valley/fault?	<0.1	<0.3	0.06	762	5.48	1.88	1.1	0.6	0.07	0.02	0.27	<0.05	<0.1	0.84	<0.05	113	<2	2	0.02	0.07	<0.1	100	<0.05	0.1	<0.01	<0.05	91	0.27	0.9	2.3	0.04	<0.05	<0.1	<0.001	<0.005	15.3	0.132
Darkwater	March1_23	JK, DH	500279	637211	5522324	28	mixed forest, slight slope to N.	<0.1	<0.3	0.3	1040	7.29	3.98	0.3	2.2	<0.05	0.05	0.2	<0.05	<0.1	0.8	<0.05	177	<2	13	0.05	0.15	<0.1	<100	<0.05	0.1	<0.01	<0.05	258	0.5	0.8	3.5	0.08	<0.05	<0.1	<0.001	<0.005	15.2	0.101
Darkwater	March1_23	JK, DH	500280	637173	5522370	33	hill sloping N.	<0.1	<0.3	0.3	560	4.6	1.71	1.3	2	<0.05	0.03	0.2	<0.05	<0.1	1.09	<0.05	134	<2	7	0.02	0.11	<0.1	<100	<0.05	<0.1	<0.01	<0.05	120	0.33	0.6	2.3	0.04	<0.05	<0.1	<0.001	<0.005	15.2	0.145
Darkwater	March1_23	JK, DH	500281	637059	5522451	46	mixed forest, 25m north of road. Flat.	<0.1	<0.3	0.36	669	4.27	2.83	0.6	1.9	<0.05	0.06	0.12	<0.05	<0.1	1.17	<0.05	198	<2	<1	0.06	0.2	<0.1	100	<0.05	0.1	<0.01	<0.05	366	0.51	0.7	1.6	0.07	<0.05	<0.1	<0.001	0.01	15.1	0.154
Darkwater	March1_23	JK, DH	500282	637055	5522623	13	in old cut, mixed regen. Flat.	<0.1	<0.3	0.06	447	3.77	1.21	0.9	0.8	<0.05	0.03	0.15	<0.05	<0.1	0.92	<0.05	127	<2	1	0.02	0.09	<0.1	<100	<0.05	0.1	<0.01	<0.05	106	0.32	1	0.6	0.05	<0.05	<0.1	<0.001	<0.005	15.2	0.125
Darkwater	March1_23	JK, DH	500283	637055	5522735	30	in old cut, mixed regen, o/c to E of sample (1m), generally flat.	<0.1	<0.3	0.07	587	3.75	2.64	1.4	1.3	<0.05	0.03	0.15	<0.05	<0.1	0.9	<0.05	128	<2	4	0.02	0.09	<0.1	<100	<0.05	0.1	<0.01	<0.05	75	0.29	0.8	0.8	0.05	<0.05	<0.1	<0.001	0.03	15.3	0.098
Darkwater	March1_23	JK, DH	500284	637009	5522842	20	some small rolling hills	<0.1	<0.3	0.04	201	4.63	1.04	0.9	1	0.07	0.02	0.15	<0.05	<0.1	1.07	<0.05	125	<2	6	0.01	0.08	<0.1	<100	<0.05	<0.1	<0.01	<0.05	79	0.25	0.5	<0.3	0.04	<0.05	<0.1	<0.001	<0.005	15.1	0.138
Darkwater	March1_23	JK, DH	500285	637053	5522960	41	in old cut, mixed regen. Flat.	<0.1	<0.3	0.09	427	5.01	3.52	0.3	1.5	<0.05	0.01	0.23	<0.05	<0.1	1.04	<0.05	106	<2	8	0.02	0.07	<0.1	<100	<0.05	<0.1	<0.01	<0.05	203	0.25	0.5	1.3	0.03	<0.05	<0.1	<0.001	<0.005	15.2	0.187
Darkwater	March1_23	JK, DH	500286	637030	5523018	25	mixed forest (poplar, balsam fir, white birch, spruce), flat.	<0.1	<0.3	0.09	971	9.53	2.2	2	0.4	0.06	0.04	0.33	0.06	<0.1	0.91	<0.05	148	<2	11	0.03	0.11	<0.1	<100	<0.05	<0.1	<0.01	<0.05	116	0.44	1	1	0.06	<0.05	<0.1	<0.001	<0.005	15.2	0.143
Darkwater	March1_23	JK, DH	500287	637061	5523060	33	mixed forest, slight slope to S.	<0.1	<0.3	0.27	1250	9.46	2.64	1.8	0.5	<0.05	0.03	0.43	<0.05	<0.1	0.72	<0.05	137	<2	7	0.05	0.09	<0.1	<100	<0.05	<0.1	<0.01	<0.05	97	0.39	0.9	6.2	0.05	<0.05	<0.1	<0.001	<0.005	15.3	0.12
Darkwater	March1_23	JK, DH	500288	637045	5523104	36	mixed forest, slight slope to S.	<0.1	<0.3	0.24	530	5.45	2.25	0.9	<0.3	0.05	0.02	0.2	<0.05	<0.1	1.06	<0.05	115	<2	8	0.02	0.07	<0.1	<100	<0.05	<0.1	<0.01	<0.05	97	0.27	0.5	2.7	0.04	<0.05	<0.1	<0.001			

Property	Date	Sampler(s)	Sample	Easting	Northing	Tree Diameter (cm)	Notes	Au_ppb	Ag_ppm	As_ppm	Ba_ppm	Br_ppm	Ca_per	Co_ppm	Cr_ppm	Cs_ppm	Fe_per	Hg_ppm	Hf_ppm	Ir_ppb	K_per	Mo_ppm	Na_ppm	Ni_ppm	Rb_ppm	Sb_ppm	Sc_ppm	Se_ppm	Sr_ppm	Ta_ppm	Tb_ppm	U_ppm	W_ppm	Zn_ppm	La_ppm	Ce_ppm	Nd_ppm	Sm_ppm	Eu_ppm	Tb_ppm	Lu_ppm	Yb_ppm	Mass_g	RecWt_kg
Darkwater	March2_23	JK, DH	500319	637585	5523261	33	mixed forest (spr, balsam, white birch, poplar). Slight slope to W.	<0.1	<0.3	0.07	861	6.52	2.99	0.7	1.4	<0.05	0.03	0.23	<0.05	<0.1	0.96	<0.05	146	<2	<1	0.03	0.11	<0.1	<100	<0.05	0.1	<0.01	<0.05	73	0.36	0.5	0.7	0.05	<0.05	<0.1	<0.001	<0.005	15.3	0.131
Darkwater	March2_23	JK, DH	500320	637578	5523204	15	regeneration (spruce, balsam, birch, pop) on waste pile from DW Mine. Mixed	<0.1	<0.3	0.1	166	6.1	1.17	<0.1	0.6	<0.05	0.03	0.06	<0.05	<0.1	1.39	<0.05	109	<2	2	0.02	0.07	<0.1	<100	<0.05	0.1	<0.01	<0.05	64	0.28	0.5	<0.3	0.05	<0.05	<0.1	<0.001	<0.005	15.1	0.116
Darkwater	March2_23	JK, DH	500321	637599	5523158	28	on side of road, south of shaft. Mixed forest. Slight slope to SW.	<0.1	<0.3	<0.01	372	3.5	2.48	0.3	0.8	<0.05	0.01	0.06	<0.05	<0.1	1.09	<0.05	81	<2	5	<0.005	0.06	<0.1	<100	<0.05	<0.1	<0.01	<0.05	144	0.24	0.2	<0.3	0.03	<0.05	<0.1	<0.001	<0.005	15.3	0.152
Darkwater	March2_23	JK, DH	500322	637596	5523108	30	on side of road, south of shaft. Mixed forest. Slight slope to SW.	<0.1	<0.3	<0.01	257	2.27	1.15	0.3	<0.3	<0.05	0.01	0.05	<0.05	<0.1	1.33	<0.05	68	<2	2	<0.005	0.05	<0.1	<100	<0.05	<0.1	<0.01	<0.05	33	0.15	0.4	<0.3	0.03	<0.05	<0.1	<0.001	<0.005	15.3	0.111
Darkwater	March2_23	JK, DH	500323	637582	5523069	36	mixed forest (spr, balsam, poplar, birch). Slight slope to S.	<0.1	<0.3	<0.01	427	4.09	2.29	0.3	0.6	<0.05	0.02	0.08	<0.05	<0.1	1.31	<0.05	98	<2	2	0.03	0.06	<0.1	<100	<0.05	<0.1	<0.01	<0.05	73	0.25	0.3	1.1	0.05	<0.05	<0.1	<0.001	<0.005	15.4	0.143
Darkwater	March2_23	JK, DH	500324	637594	5523003	20	mixed forest (spr, balsam, poplar, birch). Moderate slope to SW.	<0.1	<0.3	<0.01	280	4.55	0.8	0.3	0.8	<0.05	0.02	0.08	<0.05	<0.1	1.41	<0.05	84	<2	3	0.02	0.07	<0.1	<100	<0.05	<0.1	<0.01	<0.05	63	0.26	0.2	0.9	0.05	<0.05	<0.1	<0.001	<0.005	15.3	0.114
Darkwater	March2_23	JK, DH	500325	637594	5523003	20	duplicate of 500324.	<0.1	<0.3	0.08	271	5.07	0.69	0.4	0.4	<0.05	0.02	0.13	<0.05	<0.1	1.37	<0.05	93	<2	3	0.02	0.07	<0.1	<100	<0.05	<0.1	<0.01	<0.05	62	0.29	0.6	<0.3	0.05	<0.05	<0.1	<0.001	<0.005	15.3	0.075
Darkwater	March2_23	JK, DH	500326	637602	5522965	25	mixed forest (balsam, spruce), at base of hill to S.	<0.1	<0.3	<0.01	319	3.6	0.65	<0.1	0.4	<0.05	0.01	0.07	<0.05	<0.1	1.16	<0.05	91	<2	5	<0.005	0.06	<0.1	<100	<0.05	<0.1	<0.01	<0.05	43	0.17	0.2	<0.3	0.03	<0.05	<0.1	<0.001	<0.005	15.4	0.144
Darkwater	March2_23	JK, DH	500327	637546	5522939	20	5m E of Lake. Spruce + balsam forest. Spruce + balsam forest. Moderate slope to SW - 5m to lake.	<0.1	<0.3	<0.01	174	6.63	1.21	0.4	<0.3	<0.05	0.03	0.08	<0.05	<0.1	0.91	<0.05	130	<2	5	0.02	0.09	<0.1	<100	<0.05	<0.1	<0.01	<0.05	59	0.31	0.4	0.7	0.06	<0.05	<0.1	<0.001	<0.005	15.4	0.149
Darkwater	March2_23	JK, DH	500328	637540	5522889	20	3m north of lake. Spruce + balsam forest. Flat.	<0.1	<0.3	<0.01	316	6.46	1.31	<0.1	0.9	<0.05	0.03	0.12	<0.05	<0.1	1.21	<0.05	122	<2	5	0.01	0.08	<0.1	<100	<0.05	<0.1	<0.01	<0.05	57	0.26	0.7	1.3	0.05	<0.05	<0.1	<0.001	<0.005	15.3	0.147
Darkwater	March2_23	JK, DH	500329	637581	5522829	15	Flat.	<0.1	<0.3	<0.01	143	7.13	0.67	0.4	0.9	<0.05	0.03	0.12	<0.05	<0.1	1.14	<0.05	134	<2	2	0.04	0.1	<0.1	<100	<0.05	<0.1	0.04	<0.05	40	0.36	0.6	1.2	0.06	<0.05	<0.1	<0.001	<0.005	15.1	0.132
Darkwater	March3_23	JK, DH	500330	637669	5522831	20	3m north of lake. Spruce+balsam+jack pine regenerated forest. Slight slope to S.	<0.1	<0.3	0.1	278	9.23	1.35	1.2	1.8	<0.05	0.05	0.11	<0.05	<0.1	1.36	<0.05	200	<2	5	0.02	0.14	<0.1	<100	<0.05	0.2	0.15	<0.05	69	0.51	0.6	1.7	0.06	<0.05	<0.1	<0.001	<0.005	15.5	0.101
Darkwater	March3_23	JK, DH	500331	637635	5522942	13	flat area, mostly alders with stream 5m to S.	<0.1	<0.3	<0.01	203	7.02	0.75	0.4	<0.3	<0.05	0.03	0.09	<0.05	<0.1	1.21	<0.05	124	<2	3	0.02	0.1	<0.1	<100	<0.05	<0.1	<0.01	<0.05	43	0.34	0.6	0.9	0.06	<0.05	<0.1	<0.001	<0.005	15.3	0.087
Darkwater	March3_23	JK, DH	500332	637631	5522999	13	old cut, mixed regen. Moderate slope to S.	<0.1	<0.3	<0.01	424	6.32	1.32	<0.1	0.4	<0.05	0.03	0.08	<0.05	<0.1	1.19	<0.05	138	<2	3	0.02	0.1	<0.1	<100	<0.05	0.2	<0.01	<0.05	82	0.35	0.4	1.3	0.07	<0.05	<0.1	<0.001	<0.005	15.1	0.109
Darkwater	March3_23	JK, DH	500333	637629	5523041	13	old cut, mixed regen. Moderate slope to S.	<0.1	<0.3	0.06	453	6.62	0.96	0.4	0.6	<0.05	0.03	0.13	<0.05	<0.1	1.33	<0.05	135	<2	2	0.02	0.1	<0.1	<100	<0.05	<0.1	<0.01	<0.05	51	0.38	0.5	1.3	0.06	<0.05	<0.1	<0.001	<0.005	15.2	0.098
Darkwater	March3_23	JK, DH	500334	637641	5523090	20	old cut, mixed regen. Moderate slope to S. old road 2m to S.	<0.1	<0.3	0.03	539	6.91	1.48	0.3	1.8	<0.05	0.03	0.13	<0.05	<0.1	1.29	<0.05	147	<2	5	0.01	0.11	<0.1	<100	<0.05	<0.1	<0.01	<0.05	75	0.37	0.4	1.9	0.06	<0.05	<0.1	<0.001	<0.005	15.2	0.122
Darkwater	March3_23	JK, DH	500335	637650	5523137	18	mixed forest (spr, bal, w. birch), moderate slope to SW, rugged with o/c in area	<0.1	<0.3	<0.01	258	6.69	1.64	<0.1	1.7	<0.05	0.03	0.09	0.06	<0.1	1.36	<0.05	144	<2	<1	0.03	0.11	<0.1	<100	<0.05	<0.1	<0.01	<0.05	75	0.42	0.8	1.1	0.07	<0.05	<0.1	<0.001	<0.005	15.2	0.089
Darkwater	March3_23	JK, DH	500336	637640	5523191	30	mixed forest (bal, spr, pop, birch), moderate slope to N. some old tin/debris.	0.2	<0.3	<0.01	652	5.82	3.27	0.3	2.8	<0.05	0.03	0.11	<0.05	<0.1	1.24	<0.05	134	<2	10	0.03	0.1	<0.1	<100	<0.05	<0.1	<0.01	<0.05	279	0.31	0.6	<0.3	0.06	<0.05	<0.1	<0.001	<0.005	15.3	0.118
Darkwater	March3_23	JK, DH	500337	637632	5523233	25	mixed forest. flat.	<0.1	<0.3	<0.01	390	5.28	1.85	<0.1	0.5	<0.05	0.03	0.1	<0.05	<0.1	1.13	<0.05	124	<2	2	0.03	0.09	<0.1	<100	<0.05	<0.1	<0.01	<0.05	113	0.32	0.4	<0.3	0.06	<0.05	<0.1	<0.001	<0.005	15.4	0.147
Darkwater	March3_23	JK, DH	500338	637657	5523286	23	mixed forest (sp, bal, pop, w. birch), flat/slopes to NE slightly.	<0.1	<0.3	0.22	905	15.5	2.45	2.4	1.1	<0.05	0.04	0.2	<0.05	<0.1	1.46	<0.05	166	<2	7	0.04	0.11	<0.1	<100	<0.05	0.1	<0.01	<0.05	110	0.41	0.5	0.8	0.07	<0.05	<0.1	<0.001	<0.005	15.2	0.154
Darkwater	March3_23	JK, DH	500339	637640	5523331	28	mixed forest, slight slope to NW.	<0.1	<0.3	<0.01	631	5.12	2.59	0.4	0.4	<0.05	0.02	0.09	<0.05	<0.1	0.99	<0.05	122	<2	7	0.01	0.08	<0.1	<100	<0.05	<0.1	<0.01	<0.05	101	0.28	0.1	0.9	0.04	<0.05	<0.1	<0.001	<0.005	15.1	0.135
Darkwater	March3_23	JK, DH	500340	637622	5523379	36	mixed forest (pop, bal, spr, white birch), steep slope to N to Sturgeon Lake.	<0.1	<0.3	<0.01	339	4.46	2.7	0.3	0.4	<0.05	0.01	0.05	<0.05	<0.1	1.17	<0.05	124	<2	8	<0.005	0.07	<0.1	<100	<0.05	<0.1	<0.01	<0.05	120	0.25	0.5	0.3	0.05	<0.05	<0.1	<0.001	<0.005	15.3	0.16
Darkwater	March3_23	JK, DH	500341	637733	5523464	28	mixed forest (pop, bal, spr, white birch), steep slope to N to Sturgeon Lake.	<0.1	<0.3	0.08	251	9.74	1.78	0.6	1.3	0.06	0.04	0.19	<0.05	<0.1	0.97	<0.05	189	<2	2	0.06	0.15	<0.1	<100	<0.05	<0.1	<0.01	<0.05	111	0.51	0.6	1.7	0.09	<0.05	<0.1	<0.001	<0.005	15.2	0.124
Darkwater	March3_23	JK, DH	500342	637722	5523390	30	mixed forest (spr, bal, pop, birch), rugged, o/c in area	<0.1	<0.3	<0.01	769	5.94	2.59	1.2	0.8	<0.05	0.01	0.1	<0.05	<0.1	1.1	<0.05	129	<2	3	0.02	0.08	<0.1	<100	<0.05	<0.1	<0.01	<0.05	111	0.26	0.5	2.4	0.05	<0.05	<0.1	<0.001	<0.005	15.2	0.165
Darkwater	March3_23	JK, DH	500343	637721	5523348	30	mixed forest (spr, bal, pop, birch), flat.	<0.1	<0.3	0.08	169	4.13	4.16	0.7	0.8																													

Property	Date	Sampler(s)	Sample	Easting	Northing	Tree Diameter (cm)	Notes	Au_ppb	Ag_ppm	As_ppm	Ba_ppm	Br_ppm	Ca_per	Co_ppm	Cr_ppm	Cs_ppm	Fe_per	Hg_ppm	HF_ppm	Ir_ppb	K_per	Mo_ppm	Na_ppm	Ni_ppm	Rb_ppm	Sb_ppm	Sc_ppm	Se_ppm	Sr_ppm	Ta_ppm	Th_ppm	U_ppm	W_ppm	Zn_ppm	La_ppm	Ce_ppm	Nd_ppm	Sm_ppm	Eu_ppm	Tb_ppm	Lu_ppm	Yb_ppm	Mass_g	RecWt_Kg
Darkwater	March4_23	JK, DH	500373	637949	5522802	15	bal+spr forest. Steep slope to E.	<0.1	<0.3	<0.01	529	8.18	3.11	0.6	1.5	<0.05	0.03	0.21	<0.05	<0.1	0.73	<0.05	145	<2	4	0.02	0.1	<0.1	<100	<0.05	<0.1	<0.01	<0.05	219	0.38	0.6	0.5	0.06	<0.05	<0.1	<0.001	<0.005	15.2	0.127
Darkwater	March4_23	JK, DH	500374	637959	5522834	38	mixed forest (jack pine, spr, bal). Steep slope to E. On esker?	0.2	<0.3	<0.01	762	4.14	3.25	0.3	0.7	<0.05	0.02	0.16	<0.05	<0.1	1.08	<0.05	140	<2	6	0.01	0.09	<0.1	<100	<0.05	<0.1	<0.01	<0.05	113	0.34	0.5	2	0.05	<0.05	<0.1	<0.001	<0.005	15.1	0.151
Darkwater	March4_23	JK, DH	500375	637959	5522834	38	duplicate of 500374.	<0.1	<0.3	<0.01	751	5.35	3.26	0.6	1.5	<0.05	0.03	0.16	<0.05	<0.1	1.03	<0.05	165	<2	7	0.03	0.1	<0.1	<100	<0.05	0.1	<0.01	<0.05	208	0.37	0.5	2.5	0.06	<0.05	<0.1	<0.001	<0.005	15.1	0.136
Darkwater	March4_23	JK, DH	500376	637989	5522884	28	mixed forest (jack pine, spr, bal). On top of esker.	<0.1	<0.3	0.15	448	6.43	2.1	1.1	3.2	<0.05	0.03	0.15	0.06	<0.1	0.98	<0.05	156	<2	<1	0.04	0.13	<0.1	<100	<0.05	<0.1	<0.01	<0.05	84	0.4	0.8	0.4	0.08	<0.05	<0.1	<0.001	<0.005	15.4	0.093
Darkwater	March4_23	JK, DH	500377	637961	5522935	36	mixed forest. Flat	<0.1	<0.3	<0.01	388	6.11	2.74	0.4	1.4	<0.05	0.02	0.14	0.06	<0.1	1.03	<0.05	152	<2	7	0.03	0.1	<0.1	<100	<0.05	0.1	<0.01	<0.05	157	0.39	0.7	0.6	0.06	<0.05	<0.1	<0.001	<0.005	15.1	0.128
Darkwater	March4_23	JK, DH	500378	637944	5522992	33	mixed forest (bal, spr, pop, white birch). Slight slope to E.	<0.1	<0.3	0.03	259	4.57	2.01	0.3	1.1	<0.05	0.02	0.1	0.06	<0.1	0.9	<0.05	85	<2	3	0.02	0.05	<0.1	<100	<0.05	<0.1	<0.01	<0.05	114	0.26	0.3	0.5	0.02	<0.05	<0.1	<0.001	<0.005	15.1	0.157
Darkwater	March4_23	JK, DH	500379	637968	5523056	25	mixed forest. Steep slope to E.	<0.1	<0.3	0.1	342	8.37	2.16	0.8	0.9	<0.05	0.03	0.11	<0.05	<0.1	0.94	<0.05	114	<2	2	0.03	0.07	<0.1	<100	<0.05	<0.1	<0.01	<0.05	92	0.33	0.3	<0.3	0.03	<0.05	<0.1	<0.001	<0.005	15.3	0.127
Darkwater	March4_23	JK, DH	500380	637983	5523086	25	mixed forest. Steep slope to E.	<0.1	<0.3	<0.01	324	4.24	2.25	0.4	0.9	<0.05	0.01	0.09	<0.05	<0.1	0.96	<0.05	79	<2	3	0.01	0.04	<0.1	<100	<0.05	0.1	<0.01	<0.05	86	0.21	0.2	0.8	0.02	<0.05	<0.1	<0.001	<0.005	15.2	0.159
Darkwater	March4_23	JK, DH	500381	637944	5523153	10	mixed forest (bal+spr). Rugged with o/c in area, generally flat.	<0.1	<0.3	0.02	77	3.04	0.93	0.3	0.8	<0.05	0.01	<0.05	<0.05	<0.1	1.14	<0.05	83	<2	<1	0.01	0.05	<0.1	<100	<0.05	<0.1	<0.01	<0.05	73	0.26	0.4	<0.3	0.03	<0.05	<0.1	<0.001	<0.005	15.2	0.127
Darkwater	March4_23	JK, DH	500382	637940	5523201	20	old cut/regen (spr, pop, bal, jack pine). Slight slope to E.	<0.1	<0.3	0.03	127	4.74	0.66	0.4	1.1	0.17	0.02	0.06	<0.05	<0.1	0.84	<0.05	103	<2	1	0.03	0.07	<0.1	<100	<0.05	<0.1	<0.01	<0.05	61	0.28	0.2	1.4	0.03	<0.05	<0.1	<0.001	<0.005	15.3	0.153
Darkwater	March4_23	JK, DH	500383	637939	5523258	36	mixed forest. Slight slope to NE.	<0.1	<0.3	<0.01	246	7.66	1.92	1.6	1	0.12	0.02	0.17	<0.05	<0.1	0.95	<0.05	107	<2	<1	0.03	0.07	<0.1	<100	<0.05	0.1	<0.01	<0.05	74	0.34	0.4	0.9	0.03	<0.05	<0.1	<0.001	<0.005	15.3	0.133
Darkwater	March4_23	JK, DH	500384	637939	5523310	20	mixed forest. Flat.	<0.1	<0.3	0.06	288	5.87	1.44	0.4	0.8	<0.05	0.02	0.08	0.07	<0.1	0.34	<0.05	103	<2	2	0.03	0.07	<0.1	<100	<0.05	<0.1	<0.01	<0.05	102	0.33	0.4	0.6	0.03	<0.05	<0.1	<0.001	<0.005	15.2	0.146
Darkwater	March4_23	JK, DH	500385	637951	5523346	20	mixed forest. Moderate slope to N.	<0.1	<0.3	0.09	544	4.88	1.71	0.7	1.4	0.16	0.02	0.12	<0.05	<0.1	1.01	<0.05	105	<2	2	0.04	0.07	<0.1	<100	<0.05	<0.1	<0.01	<0.05	97	0.35	0.6	0.8	0.03	<0.05	<0.1	<0.001	<0.005	15.1	0.144
Darkwater	March4_23	JK, DH	500386	638036	5523290	30	mixed forest (bal, spr, pop, white birch). Slight slope to NW.	<0.1	<0.3	0.1	288	8.05	1.63	0.8	1.2	0.12	0.03	0.18	<0.05	<0.1	0.39	<0.05	119	<2	1	0.04	0.09	<0.1	<100	<0.05	<0.1	<0.01	<0.05	98	0.41	0.6	1.9	0.04	<0.05	<0.1	<0.001	<0.005	15.4	0.107
Darkwater	March4_23	JK, DH	500387	638039	5523239	36	old cut, mixed regen. Flat.	<0.1	<0.3	0.09	373	4.35	2.19	1.3	1	0.06	<0.05	0.14	<0.05	<0.1	0.97	<0.05	97	<2	2	0.01	0.05	<0.1	<100	<0.05	<0.1	<0.01	<0.05	102	0.26	0.3	<0.3	0.02	<0.05	<0.1	<0.001	<0.005	15	0.163
Darkwater	March4_23	JK, DH	500388	638006	5523200	20	old cut, mixed regen. Slight slope to NE.	<0.1	<0.3	<0.01	136	6.71	0.74	0.6	1	0.22	0.02	0.1	<0.05	<0.1	0.52	<0.05	115	<2	2	0.03	0.07	<0.1	<100	<0.05	<0.1	<0.01	<0.05	47	0.33	0.6	0.9	0.03	<0.05	<0.1	<0.001	<0.005	15.2	0.123
Darkwater	March4_23	JK, DH	500389	638009	5523111	46	mixed forest, steep slope to E.	<0.1	<0.3	<0.01	263	5.16	1.85	0.5	1	<0.05	0.01	0.13	<0.05	<0.1	0.66	<0.05	100	<2	3	0.04	0.05	<0.1	<100	<0.05	<0.1	<0.01	<0.05	158	0.28	0.3	0.5	0.03	<0.05	<0.1	<0.001	<0.005	15.3	0.15
Darkwater	March4_23	JK, DH	500390	638031	5523023	36	mixed forest (bal, spr, pop, white birch). Flat.	<0.1	<0.3	<0.01	291	4.72	3.65	0.2	1.3	<0.05	0.01	0.11	<0.05	<0.1	0.83	<0.05	107	<2	8	0.04	0.06	<0.1	<100	<0.05	<0.1	<0.01	<0.05	168	0.31	0.4	<0.3	0.03	<0.05	<0.1	<0.001	<0.005	15.4	0.143
Darkwater	March4_23	JK, DH	500391	638067	5522979	33	mixed forest (bal, spr, 5m west of lake, E of esker).	<0.1	<0.3	0.06	402	5.98	2.41	0.9	1	0.06	0.01	0.09	0.06	<0.1	1.08	<0.05	94	<2	4	0.02	0.05	<0.1	<100	<0.05	<0.1	<0.01	<0.05	133	0.25	<0.1	1.5	0.03	<0.05	<0.1	<0.001	<0.005	15.4	0.111
Darkwater	March4_23	JK, DH	500392	638105	5523381	30	spr+bal forest, 15m N of lake at base of hill to N.	<0.1	<0.3	0.11	196	6.71	1.61	0.9	1.4	<0.05	0.02	0.08	<0.05	<0.1	0.76	<0.05	128	<2	2	0.04	0.08	<0.1	<100	<0.05	0.1	0.04	<0.05	78	0.4	0.6	0.6	0.04	<0.05	<0.1	<0.001	<0.005	15.4	0.139
Darkwater	March4_23	JK, DH	500393	638117	5523135	28	mixed forest. Moderate slope to E.	<0.1	<0.3	0.09	391	8.62	1.85	0.8	1.6	<0.05	0.03	0.21	<0.05	<0.1	0.89	<0.05	135	<2	2	0.03	0.08	<0.1	<100	<0.05	<0.1	0.07	<0.05	118	0.39	0.6	2	0.03	<0.05	<0.1	<0.001	<0.005	15.2	0.093
Darkwater	March4_23	JK, DH	500394	638111	5523199	20	mixed forest (bal, spr, pop, jack pine, white birch). Moderate slope to E.	<0.1	<0.3	0.11	594	9.28	4.23	0.9	1.6	<0.05	0.03	0.24	<0.05	<0.1	1.37	<0.05	165	<2	3	0.05	0.11	<0.1	<100	<0.05	0.1	<0.01	<0.05	146	0.5	0.6	1.9	0.05	<0.05	<0.1	<0.001	<0.005	15.3	0.08
Darkwater	March4_23	JK, DH	500395	638102	5523297	10	mixed forest (bal, spr, pop, jack pine, white birch). Moderate slope to N.	<0.1	<0.3	<0.01	91	7.14	1.08	0.3	1.4	0.15	0.02	0.13	<0.05	<0.1	1.12	<0.05	117	<2	2	0.02	0.07	<0.1	<100	<0.05	<0.1	<0.01	<0.05	43	0.31	0.6	0.6	0.03	<0.05	<0.1	<0.001	<0.005	15.3	0.044
Darkwater	March4_23	JK, DH	500396	638098	5523352	36	mixed forest. Flat.	0.2	<0.3	<0.01	420	5.81	2.26	0.6	0.6	<0.05	0.01	0.13	<0.05	<0.1	0.58	<0.05	105	<2	2	0.01	0.07	<0.1	<100	<0.05	0.1	<0.01	<0.05	84	0.3	0.6	0.9	0.03	<0.05	<0.1	<0.001	<0.005	15.2	0.143
Darkwater	March4_23	JK, DH	500397	638098	5523409	30	mixed forest (spr+bal+cedar+pop). 5m S of Sturgeon Lake. Flat.	<0.1	<0.3	0.17	297	12.5	2.05	0.9	1.5	<0.05	0.04	0.19	<0.05	<0.1	0.94	<0.05	163	<2	2	0.05	0.12	<0.1	<100	<0.05	0.1	<0.												



**Appendix III**  
**Assay Certificate**



Report No.: A23-03065
Report Date: 21-Apr-23
Date Submitted: 06-Mar-23
Your Reference: Darkwater

JMK Exploration Consulting
147 Lakeside Dr.
North Bay ON P1A 3E1
Canada

ATTN: Joerg Kleinboeck

CERTIFICATE OF ANALYSIS

427 Other samples were submitted for analysis.

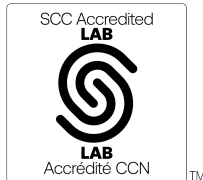
Table with 3 columns: Analytical package(s), Testing Date, and details. Row 1: 2B-15g, QOP INAAGEO (Vegetation INAA), 2023-03-13 09:28:59. Row 2: Weight Report (kg), Received Weights, 2023-03-13 09:28:59.

REPORT A23-03065

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

Notes:

Footnote: INAA data may be suppressed due to high concentrations of some analytes.



LabID: 266

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CERTIFIED BY:

Handwritten signature of Mark Vandergeest

Mark Vandergeest
Quality Control Coordinator



















Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hg	Hf	Ir	K	Mo	Na	Ni	Rb	Sb	Sc	Se	Sr	Ta
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.3	0.01	5	0.01	0.01	0.1	0.3	0.05	0.005	0.05	0.05	0.1	0.01	0.05	1	2	1	0.005	0.01	0.1	100	0.05
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
500409	< 0.1	< 0.3	0.15	152	4.96	0.57	0.6	1.4	0.05	0.040	0.11	< 0.05	< 0.1	1.04	< 0.05	151	< 2	< 1	0.030	0.14	< 0.1	< 100	< 0.05
500410	< 0.1	< 0.3	0.09	90	6.04	0.55	0.6	1.0	< 0.05	0.030	0.10	< 0.05	< 0.1	0.92	< 0.05	118	< 2	3	0.020	0.09	< 0.1	< 100	< 0.05
500411	< 0.1	< 0.3	0.05	125	4.40	0.84	0.2	0.7	0.15	0.020	0.07	< 0.05	< 0.1	1.42	< 0.05	112	< 2	5	0.020	0.07	< 0.1	< 100	< 0.05
500412	0.1	< 0.3	0.06	305	3.79	1.04	0.3	0.9	0.10	0.030	0.08	< 0.05	< 0.1	0.75	< 0.05	110	< 2	3	0.020	0.09	< 0.1	< 100	< 0.05
500413	< 0.1	< 0.3	0.12	113	6.85	0.60	0.3	1.1	< 0.05	0.040	0.12	< 0.05	< 0.1	0.65	< 0.05	152	< 2	2	0.030	0.12	< 0.1	< 100	< 0.05
500414	< 0.1	< 0.3	0.09	159	5.05	1.04	0.4	0.8	0.16	0.020	0.09	< 0.05	< 0.1	0.88	< 0.05	116	< 2	5	0.030	0.08	< 0.1	< 100	< 0.05
500415	< 0.1	< 0.3	0.06	146	4.46	0.64	0.6	0.7	< 0.05	0.020	0.09	< 0.05	< 0.1	0.86	< 0.05	119	< 2	4	0.020	0.08	< 0.1	< 100	< 0.05
500416	< 0.1	< 0.3	0.08	299	4.49	1.71	1.1	0.7	0.08	0.020	0.12	< 0.05	< 0.1	0.95	< 0.05	111	< 2	3	0.030	0.08	< 0.1	< 100	< 0.05
500417	< 0.1	< 0.3	0.16	354	7.14	1.33	1.1	1.2	< 0.05	0.040	0.19	< 0.05	< 0.1	0.89	< 0.05	132	< 2	3	0.040	0.10	< 0.1	< 100	< 0.05
500418	< 0.1	< 0.3	0.13	433	4.95	2.10	0.4	1.1	< 0.05	0.030	0.11	< 0.05	< 0.1	0.78	< 0.05	117	< 2	3	0.030	0.09	< 0.1	< 100	< 0.05
500419	< 0.1	< 0.3	0.09	365	5.36	2.53	1.0	1.0	< 0.05	0.030	0.10	< 0.05	< 0.1	0.93	< 0.05	114	< 2	< 1	0.030	0.09	< 0.1	< 100	< 0.05
500420	< 0.1	< 0.3	0.05	225	3.29	2.08	0.5	0.6	< 0.05	0.020	0.07	< 0.05	< 0.1	0.81	< 0.05	96	< 2	3	0.010	0.06	< 0.1	< 100	< 0.05
500421	< 0.1	< 0.3	0.11	293	6.20	1.75	0.4	0.9	< 0.05	0.020	0.16	< 0.05	< 0.1	0.76	< 0.05	112	< 2	2	0.030	0.08	< 0.1	< 100	< 0.05
500422	< 0.1	< 0.3	0.18	239	7.92	1.77	0.5	1.2	0.21	0.040	0.17	< 0.05	< 0.1	0.86	< 0.05	148	< 2	6	0.060	0.12	< 0.1	< 100	< 0.05
500423	< 0.1	< 0.3	0.07	482	4.86	2.87	0.2	0.9	0.21	0.020	0.12	< 0.05	< 0.1	0.82	0.08	128	< 2	12	0.020	0.08	< 0.1	200	< 0.05
500424	< 0.1	< 0.3	0.04	209	4.73	1.47	0.6	0.8	0.22	0.020	0.13	< 0.05	< 0.1	1.01	0.06	115	< 2	4	0.020	0.08	< 0.1	< 100	< 0.05
500425	0.1	< 0.3	< 0.01	220	4.52	1.44	0.5	0.6	0.30	0.020	0.10	< 0.05	< 0.1	0.75	< 0.05	108	< 2	3	0.020	0.07	< 0.1	< 100	< 0.05
500426	< 0.1	< 0.3	0.05	137	3.43	0.66	0.2	0.6	0.09	0.020	0.07	< 0.05	< 0.1	1.10	< 0.05	101	< 2	2	0.010	0.06	< 0.1	< 100	< 0.05
500427	0.1	< 0.3	< 0.01	168	3.26	0.66	0.2	0.8	< 0.05	0.020	0.07	< 0.05	< 0.1	0.93	< 0.05	98	< 2	4	0.010	0.06	< 0.1	< 100	< 0.05

## Results

## Activation Laboratories Ltd.

Report: A23-03065

Analyte Symbol	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Lu	Yb	Mass	Received Weight
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	Kg
Lower Limit	0.1	0.01	0.05	2	0.01	0.1	0.3	0.001	0.05	0.1	0.001	0.005		
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	none
500001	< 0.1	< 0.01	< 0.05	79	0.44	1.4	< 0.3	0.090	< 0.05	< 0.1	< 0.001	< 0.005	15.7	0.0600
500002	< 0.1	< 0.01	< 0.05	69	0.55	1.4	4.6	0.130	< 0.05	< 0.1	< 0.001	0.060	15.2	0.0780
500003	0.1	< 0.01	< 0.05	76	0.41	1.1	5.0	0.080	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.0850
500004	0.2	< 0.01	< 0.05	79	0.49	1.1	5.9	0.070	< 0.05	< 0.1	< 0.001	< 0.005	15.6	0.0550
500005	0.2	< 0.01	< 0.05	105	0.55	1.1	< 0.3	0.090	< 0.05	< 0.1	< 0.001	< 0.005	15.6	0.0540
500006	0.1	< 0.01	< 0.05	214	0.55	1.0	5.1	0.080	< 0.05	< 0.1	< 0.001	0.060	15.4	0.0790
500007	0.2	< 0.01	< 0.05	98	0.42	1.9	5.4	0.070	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.0790
500008	0.1	< 0.01	< 0.05	115	0.41	1.0	4.7	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.0670
500009	0.1	< 0.01	< 0.05	76	0.48	1.1	4.1	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.105
500010	0.1	< 0.01	< 0.05	270	0.40	0.4	6.3	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.6	0.158
500011	0.2	< 0.01	< 0.05	131	0.41	1.8	6.8	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.0870
500012	0.1	< 0.01	< 0.05	182	0.45	< 0.1	3.7	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.6	0.0900
500013	0.1	< 0.01	< 0.05	72	0.41	< 0.1	< 0.3	0.070	< 0.05	< 0.1	< 0.001	< 0.005	15.5	0.103
500014	< 0.1	< 0.01	< 0.05	122	0.47	< 0.1	6.2	0.080	< 0.05	< 0.1	< 0.001	< 0.005	15.7	0.0860
500015	0.2	< 0.01	< 0.05	111	0.73	2.2	5.4	0.110	< 0.05	< 0.1	< 0.001	< 0.005	14.9	0.0740
500016	0.1	< 0.01	< 0.05	109	0.48	1.3	5.8	0.070	< 0.05	< 0.1	< 0.001	< 0.005	15.6	0.0790
500017	0.2	< 0.01	< 0.05	88	0.55	1.2	5.6	0.080	< 0.05	< 0.1	< 0.001	< 0.005	15.7	0.0920
500018	0.2	< 0.01	< 0.05	143	0.66	1.8	3.9	0.110	< 0.05	< 0.1	< 0.001	< 0.005	15.5	0.0740
500019	0.3	< 0.01	< 0.05	145	1.01	2.3	3.7	0.160	< 0.05	< 0.1	< 0.001	0.090	15.4	0.0800
500020	< 0.1	< 0.01	< 0.05	118	0.42	1.7	2.8	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.7	0.0820
500021	0.3	< 0.01	< 0.05	141	1.17	3.5	6.8	0.210	< 0.05	< 0.1	< 0.001	0.150	15.6	0.0730
500022	0.3	< 0.01	< 0.05	120	1.03	2.3	5.5	0.170	0.05	< 0.1	< 0.001	0.070	15.6	0.0860
500023	0.1	< 0.01	< 0.05	110	0.47	1.6	3.1	0.080	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.101
500024	0.2	< 0.01	< 0.05	196	0.41	< 0.1	4.0	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.6	0.0950
500025	0.2	0.47	< 0.05	206	0.44	0.8	2.2	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.6	0.0800
500026	0.1	< 0.01	< 0.05	122	0.58	0.8	7.1	0.100	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.0990
500027	< 0.1	< 0.01	< 0.05	138	0.43	0.7	4.7	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.6	0.111
500028	< 0.1	< 0.01	< 0.05	143	0.32	0.8	5.0	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.5	0.100
500029	< 0.1	< 0.01	< 0.05	136	0.62	2.0	< 0.3	0.090	< 0.05	< 0.1	< 0.001	< 0.005	15.5	0.0850
500030	0.1	< 0.01	< 0.05	62	0.38	0.8	2.1	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.0760
500031	0.1	< 0.01	< 0.05	52	0.35	0.4	1.7	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.5	0.0840
500032	0.1	< 0.01	< 0.05	43	0.40	0.6	3.3	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.111
500033	< 0.1	< 0.01	< 0.05	96	0.35	0.7	2.0	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.0980
500034	0.1	< 0.01	< 0.05	74	0.65	1.0	2.8	0.080	< 0.05	< 0.1	< 0.001	0.010	15.4	0.0970
500035	< 0.1	< 0.01	< 0.05	65	0.40	0.9	2.1	0.040	< 0.05	< 0.1	< 0.001	0.010	15.5	0.103
500036	< 0.1	< 0.01	< 0.05	58	0.41	0.6	0.8	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.0820
500037	< 0.1	< 0.01	< 0.05	40	0.35	0.6	0.6	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.6	0.101
500038	0.1	< 0.01	< 0.05	107	0.47	0.9	2.5	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.8	0.0960
500039	< 0.1	< 0.01	< 0.05	83	0.40	1.1	2.2	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.0920
500040	< 0.1	< 0.01	< 0.05	367	0.32	0.2	1.9	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.103
500041	< 0.1	< 0.01	< 0.05	87	0.48	1.1	3.2	0.060	< 0.05	< 0.1	< 0.001	0.010	15.4	0.0990
500042	0.1	< 0.01	< 0.05	108	0.41	0.8	0.9	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.110
500043	< 0.1	< 0.01	< 0.05	105	0.35	0.3	2.4	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.0990
500044	0.1	< 0.01	< 0.05	92	0.50	1.1	3.2	0.060	< 0.05	< 0.1	< 0.001	0.010	15.4	0.0940
500045	0.1	< 0.01	< 0.05	149	0.55	1.1	1.9	0.070	< 0.05	< 0.1	< 0.001	0.010	15.3	0.0990
500046	< 0.1	< 0.01	< 0.05	125	0.59	0.9	2.1	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.0720
500047	< 0.1	< 0.01	< 0.05	119	0.43	0.6	2.6	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.0970
500048	0.1	< 0.01	< 0.05	119	0.40	1.0	2.5	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.100
500049	< 0.1	< 0.01	< 0.05	96	0.38	0.3	0.7	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.0860

Analyte Symbol	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Lu	Yb	Mass	Received Weight
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	Kg
Lower Limit	0.1	0.01	0.05	2	0.01	0.1	0.3	0.001	0.05	0.1	0.001	0.005		
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	none
500050	0.1	0.04	< 0.05	324	0.45	0.9	2.6	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.0810
500051	< 0.1	< 0.01	< 0.05	127	0.28	0.7	0.5	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.104
500052	< 0.1	< 0.01	< 0.05	317	0.42	0.7	0.9	0.050	< 0.05	< 0.1	< 0.001	0.010	15.4	0.113
500053	0.1	< 0.01	< 0.05	199	0.49	0.7	3.3	0.050	< 0.05	< 0.1	< 0.001	0.010	15.4	0.0980
500054	< 0.1	< 0.01	< 0.05	110	0.38	0.7	1.6	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.0930
500055	0.1	< 0.01	< 0.05	87	0.57	1.0	2.3	0.070	< 0.05	< 0.1	< 0.001	0.010	15.2	0.0890
500056	0.1	< 0.01	< 0.05	95	0.46	1.1	1.8	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.0950
500057	0.1	< 0.01	< 0.05	179	0.58	1.1	3.0	0.080	< 0.05	< 0.1	< 0.001	0.010	15.3	0.0770
500058	0.1	< 0.01	< 0.05	271	0.32	0.9	0.6	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.136
500059	0.1	< 0.01	< 0.05	136	0.38	0.5	2.3	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.102
500060	< 0.1	< 0.01	< 0.05	87	0.23	0.4	0.6	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.0950
500061	0.1	< 0.01	< 0.05	80	0.31	0.4	< 0.3	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.122
500062	< 0.1	< 0.01	< 0.05	102	0.26	0.8	0.6	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.104
500063	< 0.1	< 0.01	< 0.05	150	0.29	0.6	0.7	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.100
500064	0.1	< 0.01	< 0.05	151	0.76	1.8	2.5	0.120	< 0.05	< 0.1	< 0.001	0.040	15.0	0.0920
500065	< 0.1	< 0.01	< 0.05	66	0.32	0.2	0.4	0.050	< 0.05	< 0.1	< 0.001	0.010	15.3	0.0990
500066	0.1	< 0.01	< 0.05	142	0.49	1.0	3.1	0.070	< 0.05	< 0.1	< 0.001	0.010	15.2	0.0940
500067	< 0.1	< 0.01	< 0.05	429	0.30	0.4	1.5	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.109
500068	0.1	< 0.01	< 0.05	102	0.32	0.4	2.1	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.0940
500069	0.1	< 0.01	< 0.05	141	0.52	1.1	1.3	0.080	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.0900
500070	< 0.1	0.17	< 0.05	119	0.41	0.7	1.3	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.0960
500071	< 0.1	< 0.01	< 0.05	155	0.26	0.2	1.7	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.118
500072	< 0.1	< 0.01	< 0.05	27	0.25	0.4	0.4	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.0610
500073	< 0.1	< 0.01	< 0.05	236	0.24	0.4	0.9	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.136
500074	< 0.1	< 0.01	< 0.05	49	0.30	0.5	< 0.3	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.0650
500075	< 0.1	< 0.01	< 0.05	47	0.32	0.5	1.6	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.0710
500076	0.1	< 0.01	< 0.05	111	0.45	0.7	2.7	0.070	< 0.05	< 0.1	< 0.001	0.020	15.2	0.0860
500077	0.1	< 0.01	< 0.05	115	0.48	1.0	2.2	0.080	< 0.05	< 0.1	< 0.001	0.010	15.2	0.0890
500078	0.1	< 0.01	< 0.05	102	0.53	0.8	2.5	0.080	< 0.05	< 0.1	< 0.001	0.010	15.4	0.112
500079	0.1	< 0.01	< 0.05	105	0.44	0.7	0.7	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.0980
500080	0.2	< 0.01	< 0.05	61	0.62	0.9	1.2	0.090	< 0.05	< 0.1	< 0.001	0.010	15.1	0.0670
500081	0.1	< 0.01	< 0.05	118	0.66	0.9	2.2	0.100	< 0.05	< 0.1	< 0.001	0.030	15.2	0.0970
500082	0.1	< 0.01	< 0.05	57	0.42	0.7	< 0.3	0.080	< 0.05	< 0.1	< 0.001	0.030	15.2	0.0670
500083	< 0.1	< 0.01	< 0.05	48	0.48	0.7	0.3	0.080	< 0.05	< 0.1	< 0.001	0.010	15.2	0.0550
500084	< 0.1	< 0.01	< 0.05	58	0.36	1.0	< 0.3	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.0760
500085	< 0.1	< 0.01	< 0.05	96	0.36	0.7	0.5	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.0910
500086	< 0.1	< 0.01	< 0.05	120	0.48	0.8	0.9	0.080	< 0.05	< 0.1	< 0.001	< 0.005	15.0	0.113
500087	< 0.1	< 0.01	< 0.05	124	0.46	0.8	2.0	0.070	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.0920
500088	< 0.1	< 0.01	< 0.05	46	0.23	0.4	0.4	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.112
500089	< 0.1	< 0.01	< 0.05	214	0.19	0.2	< 0.3	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.133
500090	< 0.1	< 0.01	< 0.05	55	0.31	0.5	0.6	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.0600
500091	< 0.1	< 0.01	< 0.05	94	0.27	0.5	1.8	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.0810
500092	< 0.1	< 0.01	< 0.05	97	0.23	0.1	1.8	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.0890
500093	< 0.1	< 0.01	< 0.05	143	0.23	0.4	1.5	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.130
500094	< 0.1	< 0.01	< 0.05	35	0.41	1.0	0.8	0.060	< 0.05	< 0.1	< 0.001	0.030	15.1	0.0910
500095	< 0.1	< 0.01	< 0.05	118	0.34	0.4	0.4	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.113
500096	0.1	< 0.01	< 0.05	120	0.42	0.6	1.9	0.070	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.130
500097	< 0.1	< 0.01	< 0.05	62	0.31	0.4	0.5	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.107
500098	< 0.1	< 0.01	< 0.05	191	0.23	0.4	1.1	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.125
500099	< 0.1	< 0.01	< 0.05	73	0.29	0.5	2.1	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.104

Analyte Symbol	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Lu	Yb	Mass	Received Weight
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	Kg
Lower Limit	0.1	0.01	0.05	2	0.01	0.1	0.3	0.001	0.05	0.1	0.001	0.005		
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	none
500100	< 0.1	< 0.01	< 0.05	72	0.31	0.4	2.3	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.134
500101	0.1	< 0.01	< 0.05	46	0.78	1.0	1.0	0.130	< 0.05	< 0.1	< 0.001	0.040	15.4	0.0420
500102	0.1	< 0.01	< 0.05	153	0.76	1.1	1.9	0.130	< 0.05	< 0.1	< 0.001	0.040	15.3	0.0700
500103	0.1	< 0.01	< 0.05	71	0.56	0.9	2.5	0.100	< 0.05	< 0.1	< 0.001	0.010	15.1	0.0890
500104	0.1	< 0.01	< 0.05	140	0.44	0.8	1.4	0.070	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.0950
500105	0.1	< 0.01	< 0.05	128	0.45	0.5	1.5	0.060	< 0.05	< 0.1	< 0.001	0.010	15.4	0.102
500106	< 0.1	< 0.01	< 0.05	115	0.37	0.6	< 0.3	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.115
500107	< 0.1	0.03	< 0.05	60	0.29	0.8	< 0.3	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.0950
500108	< 0.1	< 0.01	< 0.05	107	0.63	0.9	3.1	0.100	< 0.05	< 0.1	< 0.001	0.030	15.1	0.0620
500109	0.1	< 0.01	< 0.05	92	0.47	0.7	< 0.3	0.070	< 0.05	< 0.1	< 0.001	0.010	15.0	0.104
500110	< 0.1	< 0.01	< 0.05	98	0.54	0.6	< 0.3	0.090	< 0.05	< 0.1	< 0.001	0.010	15.0	0.0990
500111	< 0.1	< 0.01	< 0.05	45	0.46	0.7	1.1	0.070	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.104
500112	< 0.1	< 0.01	< 0.05	87	0.35	0.2	< 0.3	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.142
500113	0.2	< 0.01	< 0.05	108	0.46	0.9	1.9	0.070	< 0.05	< 0.1	< 0.001	0.020	15.3	0.125
500114	< 0.1	< 0.01	< 0.05	44	0.29	0.5	0.4	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.0910
500115	0.1	< 0.01	< 0.05	73	0.38	0.9	2.0	0.070	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.106
500116	0.1	< 0.01	< 0.05	41	0.39	0.7	< 0.3	0.070	< 0.05	< 0.1	< 0.001	0.010	15.3	0.0740
500117	< 0.1	< 0.01	< 0.05	49	0.20	0.2	0.7	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.0770
500118	< 0.1	< 0.01	< 0.05	73	0.25	0.2	< 0.3	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.100
500119	< 0.1	< 0.01	< 0.05	72	0.43	1.0	0.8	0.070	< 0.05	< 0.1	< 0.001	0.020	15.2	0.0610
500120	< 0.1	< 0.01	< 0.05	55	0.31	0.5	1.1	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.142
500121	< 0.1	< 0.01	< 0.05	120	0.27	0.4	1.3	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.144
500122	< 0.1	< 0.01	< 0.05	125	0.27	0.7	1.0	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.130
500123	< 0.1	< 0.01	< 0.05	172	0.24	0.6	< 0.3	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.141
500124	0.1	< 0.01	< 0.05	135	0.67	1.0	1.1	0.100	< 0.05	< 0.1	< 0.001	0.020	15.4	0.100
500125	0.2	< 0.01	< 0.05	128	0.73	1.4	< 0.3	0.100	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.0920
500126	< 0.1	< 0.01	< 0.05	125	0.55	0.9	< 0.3	0.090	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.108
500127	< 0.1	< 0.01	< 0.05	28	0.36	0.7	< 0.3	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.102
500128	< 0.1	< 0.01	< 0.05	35	0.37	0.6	0.7	0.060	< 0.05	< 0.1	< 0.001	0.020	15.2	0.102
500129	< 0.1	< 0.01	< 0.05	111	0.45	0.8	0.4	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.123
500130	< 0.1	< 0.01	< 0.05	106	0.29	0.5	2.3	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.121
500131	< 0.1	< 0.01	< 0.05	124	0.38	0.5	2.2	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.127
500132	< 0.1	< 0.01	< 0.05	43	0.41	0.8	< 0.3	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.106
500133	0.1	< 0.01	< 0.05	38	0.30	0.8	1.3	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.126
500134	< 0.1	< 0.01	< 0.05	65	0.31	0.5	0.5	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.133
500135	< 0.1	0.04	< 0.05	95	0.36	0.6	0.6	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.133
500136	< 0.1	< 0.01	< 0.05	167	0.39	0.6	1.6	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.151
500137	< 0.1	< 0.01	< 0.05	172	0.50	0.9	1.1	0.080	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.138
500138	< 0.1	< 0.01	< 0.05	90	0.36	0.8	1.1	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.153
500139	0.1	< 0.01	< 0.05	77	0.33	0.9	1.2	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.139
500140	0.1	< 0.01	< 0.05	91	0.43	0.5	1.8	0.070	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.118
500141	0.1	< 0.01	< 0.05	45	0.43	0.6	< 0.3	0.080	< 0.05	< 0.1	< 0.001	0.020	15.4	0.0780
500142	< 0.1	< 0.01	< 0.05	98	0.36	0.5	< 0.3	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.0770
500143	0.1	< 0.01	< 0.05	128	0.36	0.8	< 0.3	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.118
500144	< 0.1	< 0.01	< 0.05	86	0.39	0.7	< 0.3	0.070	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.127
500145	< 0.1	< 0.01	< 0.05	122	0.34	0.6	1.7	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.128
500146	< 0.1	< 0.01	< 0.05	45	0.18	0.4	< 0.3	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.120
500147	< 0.1	< 0.01	< 0.05	53	0.22	0.4	0.6	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.110
500148	< 0.1	< 0.01	< 0.05	99	0.28	0.6	0.5	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.105

Analyte Symbol	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Lu	Yb	Mass	Received Weight
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	Kg
Lower Limit	0.1	0.01	0.05	2	0.01	0.1	0.3	0.001	0.05	0.1	0.001	0.005		
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	none
500149	0.1	< 0.01	< 0.05	68	0.25	0.4	0.8	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.152
500150	< 0.1	< 0.01	< 0.05	67	0.27	0.5	0.6	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.160
500151	0.1	< 0.01	< 0.05	101	0.31	0.6	1.1	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.139
500152	0.1	< 0.01	< 0.05	124	0.45	0.6	0.9	0.070	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.141
500153	< 0.1	< 0.01	< 0.05	114	0.37	0.7	1.0	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.136
500154	< 0.1	< 0.01	< 0.05	114	0.30	0.5	0.5	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.130
500155	0.1	< 0.01	< 0.05	47	0.30	0.6	0.6	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.136
500156	< 0.1	< 0.01	< 0.05	72	0.27	0.6	0.6	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.0920
500157	0.1	< 0.01	< 0.05	94	0.41	0.7	0.3	0.060	< 0.05	< 0.1	< 0.001	0.010	15.1	0.121
500158	< 0.1	< 0.01	< 0.05	103	0.36	0.6	0.8	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.105
500159	< 0.1	< 0.01	< 0.05	92	0.34	0.6	0.8	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.110
500160	0.1	< 0.01	< 0.05	75	0.31	0.6	0.7	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.9	0.0870
500161	0.1	< 0.01	< 0.05	60	0.25	0.5	0.9	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.135
500162	0.1	< 0.01	< 0.05	61	0.34	0.6	1.0	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.119
500163	< 0.1	< 0.01	< 0.05	120	0.35	0.8	2.5	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.117
500164	< 0.1	0.03	< 0.05	74	0.34	0.6	1.0	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.138
500165	< 0.1	< 0.01	< 0.05	116	0.29	0.7	0.8	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.146
500166	< 0.1	< 0.01	< 0.05	92	0.40	0.8	1.9	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.124
500167	< 0.1	< 0.01	< 0.05	136	0.38	0.7	0.4	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.143
500168	< 0.1	< 0.01	< 0.05	77	0.29	0.6	0.3	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.134
500169	< 0.1	< 0.01	< 0.05	80	0.51	0.9	1.8	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.128
500170	0.1	< 0.01	< 0.05	129	0.40	0.5	0.3	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.139
500171	< 0.1	< 0.01	< 0.05	74	0.34	0.7	< 0.3	0.040	< 0.05	< 0.1	< 0.001	0.010	15.1	0.164
500172	0.1	< 0.01	< 0.05	66	0.46	0.9	1.7	0.050	< 0.05	< 0.1	< 0.001	0.010	15.2	0.145
500173	0.1	< 0.01	< 0.05	122	0.73	1.2	2.0	0.100	< 0.05	< 0.1	< 0.001	0.010	15.1	0.100
500174	< 0.1	< 0.01	< 0.05	102	0.35	0.5	1.5	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.101
500175	< 0.1	< 0.01	< 0.05	72	0.21	0.6	< 0.3	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.0930
500176	< 0.1	0.03	< 0.05	74	0.22	0.5	< 0.3	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.100
500177	< 0.1	< 0.01	< 0.05	68	0.25	0.7	1.0	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.103
500178	< 0.1	< 0.01	< 0.05	87	0.25	0.3	< 0.3	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.115
500179	0.1	< 0.01	< 0.05	153	0.35	0.5	0.8	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.109
500180	< 0.1	< 0.01	< 0.05	113	0.21	0.4	< 0.3	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.111
500181	0.1	0.03	< 0.05	73	0.44	0.9	< 0.3	0.060	< 0.05	< 0.1	< 0.001	0.020	15.1	0.121
500182	< 0.1	< 0.01	< 0.05	135	0.31	0.6	< 0.3	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.114
500183	0.1	< 0.01	< 0.05	175	0.34	0.9	0.7	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.0960
500184	< 0.1	< 0.01	< 0.05	103	0.41	0.9	< 0.3	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.0	0.127
500185	0.1	< 0.01	< 0.05	90	0.43	1.2	0.6	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.111
500186	0.1	< 0.01	< 0.05	180	0.52	0.8	1.7	0.070	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.147
500187	0.1	0.07	< 0.05	80	0.25	0.7	< 0.3	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.210
500188	< 0.1	< 0.01	< 0.05	87	0.25	0.7	0.7	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.169
500189	< 0.1	< 0.01	< 0.05	69	0.25	0.6	0.6	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.168
500190	< 0.1	< 0.01	< 0.05	59	0.28	0.4	< 0.3	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.182
500191	0.1	< 0.01	< 0.05	182	0.33	1.1	0.7	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.151
500192	< 0.1	< 0.01	< 0.05	101	0.22	0.6	< 0.3	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.156
500193	< 0.1	0.04	< 0.05	70	0.25	0.6	< 0.3	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.115
500194	< 0.1	< 0.01	< 0.05	123	0.27	0.4	< 0.3	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.108
500195	< 0.1	< 0.01	< 0.05	210	0.27	0.8	0.3	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.0910
500196	< 0.1	< 0.01	< 0.05	227	0.39	0.8	0.9	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.127
500197	< 0.1	< 0.01	< 0.05	121	0.49	0.8	1.6	0.070	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.119
500198	< 0.1	< 0.01	< 0.05	111	0.34	0.5	1.6	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.122

## Results

## Activation Laboratories Ltd.

Report: A23-03065

Analyte Symbol	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Lu	Yb	Mass	Received Weight
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	Kg
Lower Limit	0.1	0.01	0.05	2	0.01	0.1	0.3	0.001	0.05	0.1	0.001	0.005		
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	none
500199	< 0.1	0.04	< 0.05	131	0.36	0.5	2.4	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.105
500200	0.1	< 0.01	< 0.05	131	0.41	0.9	0.5	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.102
500201	< 0.1	< 0.01	< 0.05	165	0.33	1.1	0.3	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.106
500202	0.1	< 0.01	< 0.05	178	0.34	0.9	1.1	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.145
500203	< 0.1	< 0.01	< 0.05	90	0.42	1.3	1.1	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.123
500204	< 0.1	< 0.01	< 0.05	41	0.25	0.6	0.9	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.117
500205	< 0.1	< 0.01	< 0.05	98	0.26	0.3	0.7	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.100
500206	< 0.1	< 0.01	< 0.05	95	0.21	0.1	0.4	0.020	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.153
500207	< 0.1	< 0.01	< 0.05	134	0.20	0.3	0.6	0.020	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.130
500208	< 0.1	< 0.01	< 0.05	80	0.24	0.5	0.8	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.110
500209	< 0.1	< 0.01	< 0.05	222	0.30	0.6	0.3	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.139
500210	0.1	< 0.01	< 0.05	65	0.32	0.6	< 0.3	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.118
500211	< 0.1	< 0.01	< 0.05	115	0.26	0.6	1.5	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.145
500212	< 0.1	< 0.01	< 0.05	97	0.30	0.8	< 0.3	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.126
500213	0.1	< 0.01	< 0.05	54	0.30	0.8	< 0.3	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.132
500214	0.1	< 0.01	< 0.05	63	0.27	0.7	1.2	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.133
500215	0.1	< 0.01	< 0.05	149	0.56	0.8	< 0.3	0.070	< 0.05	< 0.1	< 0.001	0.020	15.2	0.112
500216	0.1	< 0.01	< 0.05	97	0.47	0.8	0.4	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.125
500217	0.1	< 0.01	< 0.05	143	0.28	0.3	0.5	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.158
500218	0.1	< 0.01	< 0.05	100	0.32	0.6	0.7	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.138
500219	< 0.1	< 0.01	< 0.05	79	0.30	0.5	< 0.3	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.127
500220	< 0.1	< 0.01	< 0.05	123	0.45	0.3	0.9	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.126
500221	< 0.1	< 0.01	< 0.05	96	0.26	0.7	< 0.3	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.111
500222	0.1	0.13	< 0.05	124	0.37	0.6	0.4	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.107
500223	< 0.1	< 0.01	< 0.05	238	0.32	0.5	0.8	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.130
500224	< 0.1	< 0.01	< 0.05	116	0.36	0.4	1.5	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.146
500225	< 0.1	< 0.01	< 0.05	112	0.43	1.4	1.6	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.146
500226	< 0.1	0.10	< 0.05	59	0.37	0.7	1.2	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.105
500227	< 0.1	< 0.01	< 0.05	188	0.32	< 0.1	< 0.3	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.141
500228	< 0.1	< 0.01	< 0.05	151	0.31	0.4	< 0.3	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.142
500229	< 0.1	< 0.01	< 0.05	110	0.55	0.6	2.0	0.100	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.129
500230	0.1	< 0.01	< 0.05	65	0.64	0.8	< 0.3	0.100	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.0920
500231	< 0.1	< 0.01	< 0.05	178	0.34	0.3	1.4	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.115
500232	< 0.1	< 0.01	< 0.05	127	0.37	0.4	1.3	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.130
500233	< 0.1	< 0.01	< 0.05	57	0.20	0.3	0.9	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.150
500234	< 0.1	< 0.01	< 0.05	73	0.23	0.3	1.1	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.153
500235	< 0.1	< 0.01	< 0.05	121	0.32	0.6	1.6	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.132
500236	0.1	< 0.01	< 0.05	89	0.26	0.4	1.3	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.140
500237	0.1	< 0.01	< 0.05	68	0.24	0.4	0.5	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.128
500238	0.1	< 0.01	< 0.05	96	0.35	0.8	1.4	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.133
500239	0.1	< 0.01	< 0.05	69	0.28	0.4	1.4	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.5	0.169
500240	< 0.1	< 0.01	< 0.05	73	0.21	0.4	0.4	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.129
500241	< 0.1	< 0.01	< 0.05	82	0.23	0.6	0.4	0.030	< 0.05	< 0.1	< 0.001	0.010	15.2	0.140
500242	0.1	< 0.01	< 0.05	226	0.26	0.6	1.4	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.155
500243	0.1	0.06	< 0.05	39	0.24	0.6	1.1	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.155
500244	< 0.1	< 0.01	< 0.05	58	0.24	0.6	1.7	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.176
500245	0.2	< 0.01	< 0.05	114	0.37	0.9	2.0	0.050	< 0.05	< 0.1	< 0.001	0.010	15.4	0.140
500246	0.1	< 0.01	< 0.05	120	0.28	0.6	1.7	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.0	0.183
500247	0.1	< 0.01	< 0.05	109	0.43	0.8	1.4	0.070	< 0.05	< 0.1	< 0.001	0.010	15.3	0.144



Analyte Symbol	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Lu	Yb	Mass	Received Weight
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	Kg
Lower Limit	0.1	0.01	0.05	2	0.01	0.1	0.3	0.001	0.05	0.1	0.001	0.005		
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	none
500248	< 0.1	< 0.01	< 0.05	109	0.29	0.6	1.3	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.158
500249	0.1	< 0.01	< 0.05	117	0.41	0.8	0.6	0.070	< 0.05	< 0.1	< 0.001	0.010	15.2	0.141
500250	0.1	< 0.01	< 0.05	123	0.35	0.7	0.7	0.050	< 0.05	< 0.1	< 0.001	0.010	15.1	0.136
500251	0.1	< 0.01	< 0.05	125	0.30	0.6	1.2	0.050	< 0.05	< 0.1	< 0.001	0.010	15.2	0.166
500252	< 0.1	< 0.01	< 0.05	96	0.24	0.4	0.8	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.117
500253	< 0.1	< 0.01	< 0.05	188	0.33	0.7	0.5	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.179
500254	< 0.1	< 0.01	< 0.05	127	0.30	0.6	0.6	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.133
500255	0.2	< 0.01	< 0.05	95	0.34	0.7	1.2	0.070	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.146
500256	0.2	< 0.01	< 0.05	78	0.48	0.8	1.3	0.080	< 0.05	< 0.1	< 0.001	0.010	15.3	0.137
500257	< 0.1	0.02	< 0.05	124	0.30	0.6	1.8	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.0950
500258	< 0.1	< 0.01	< 0.05	133	0.37	0.8	1.2	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.144
500259	< 0.1	< 0.01	< 0.05	109	0.22	0.1	0.7	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.140
500260	0.1	< 0.01	< 0.05	100	0.40	0.6	0.7	0.060	< 0.05	< 0.1	< 0.001	0.010	15.3	0.121
500261	< 0.1	< 0.01	< 0.05	42	0.47	0.8	0.6	0.070	< 0.05	< 0.1	< 0.001	0.010	15.2	0.142
500262	0.1	< 0.01	< 0.05	117	0.43	1.1	2.2	0.060	< 0.05	< 0.1	< 0.001	0.010	15.1	0.101
500263	< 0.1	< 0.01	< 0.05	81	0.21	0.2	1.5	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.142
500264	< 0.1	< 0.01	< 0.05	66	0.27	0.5	1.0	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.110
500265	0.1	< 0.01	< 0.05	79	0.36	0.6	2.3	0.040	< 0.05	< 0.1	< 0.001	0.010	15.2	0.125
500266	0.1	< 0.01	< 0.05	28	0.31	0.9	1.4	0.050	< 0.05	< 0.1	< 0.001	0.010	15.2	0.0930
500267	< 0.1	< 0.01	< 0.05	82	0.26	0.5	0.8	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.134
500268	< 0.1	< 0.01	< 0.05	75	0.23	0.4	0.6	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.148
500269	0.1	< 0.01	< 0.05	115	0.34	0.7	0.7	0.040	< 0.05	< 0.1	< 0.001	0.010	15.1	0.0990
500270	< 0.1	0.35	< 0.05	53	0.29	0.3	0.8	< 0.001	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.137
500271	0.2	< 0.01	< 0.05	43	0.34	0.6	1.1	0.050	< 0.05	< 0.1	< 0.001	0.010	15.1	0.115
500272	0.1	< 0.01	< 0.05	85	0.24	0.6	0.4	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.150
500273	< 0.1	< 0.01	< 0.05	98	0.31	0.2	2.9	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.154
500274	< 0.1	< 0.01	< 0.05	91	0.42	0.9	1.2	0.050	< 0.05	< 0.1	< 0.001	0.010	15.0	0.113
500275	0.1	< 0.01	< 0.05	96	0.36	0.9	2.8	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.117
500276	0.1	< 0.01	< 0.05	75	0.42	0.9	0.9	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.128
500277	< 0.1	< 0.01	< 0.05	48	0.27	0.6	2.0	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.142
500278	0.1	< 0.01	< 0.05	91	0.27	0.9	2.3	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.132
500279	0.1	< 0.01	< 0.05	258	0.50	0.8	3.5	0.080	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.101
500280	< 0.1	< 0.01	< 0.05	120	0.33	0.6	2.3	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.145
500281	0.1	< 0.01	< 0.05	366	0.51	0.7	1.6	0.070	< 0.05	< 0.1	< 0.001	0.010	15.1	0.154
500282	0.1	< 0.01	< 0.05	106	0.32	1.0	0.6	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.125
500283	0.1	< 0.01	< 0.05	75	0.29	0.8	0.8	0.050	< 0.05	< 0.1	< 0.001	0.030	15.3	0.0980
500284	< 0.1	< 0.01	< 0.05	79	0.25	0.5	< 0.3	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.138
500285	< 0.1	0.03	< 0.05	203	0.25	0.5	1.3	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.187
500286	< 0.1	< 0.01	< 0.05	116	0.44	1.0	1.0	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.143
500287	< 0.1	< 0.01	< 0.05	97	0.39	0.9	6.2	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.120
500288	< 0.1	< 0.01	< 0.05	97	0.27	0.5	2.7	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.141
500289	0.1	< 0.01	< 0.05	102	0.40	0.9	3.6	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.143
500290	< 0.1	0.08	< 0.05	89	0.27	0.8	2.0	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.169
500291	< 0.1	< 0.01	< 0.05	60	0.18	< 0.1	1.3	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.183
500292	< 0.1	0.03	< 0.05	128	0.26	0.2	1.1	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.153
500293	< 0.1	< 0.01	< 0.05	132	0.22	0.1	< 0.3	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.119
500294	< 0.1	< 0.01	< 0.05	74	0.36	0.9	1.4	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.113
500295	< 0.1	0.03	< 0.05	34	0.28	0.5	< 0.3	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.141
500296	< 0.1	< 0.01	< 0.05	107	0.30	0.5	1.4	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.146
500297	< 0.1	< 0.01	< 0.05	74	0.27	0.4	0.4	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.137

Analyte Symbol	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Lu	Yb	Mass	Received Weight
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	Kg
Lower Limit	0.1	0.01	0.05	2	0.01	0.1	0.3	0.001	0.05	0.1	0.001	0.005		
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	none
500298	< 0.1	< 0.01	< 0.05	64	0.32	0.6	< 0.3	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.123
500299	< 0.1	< 0.01	< 0.05	65	0.21	< 0.1	0.6	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.131
500300	< 0.1	< 0.01	< 0.05	64	0.30	0.5	0.3	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.102
500301	0.1	< 0.01	< 0.05	93	0.38	0.9	2.4	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.125
500302	< 0.1	< 0.01	< 0.05	186	0.24	0.5	0.3	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.154
500303	< 0.1	< 0.01	< 0.05	121	0.39	0.6	0.6	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.121
500304	< 0.1	< 0.01	< 0.05	127	0.31	0.5	2.7	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.139
500305	< 0.1	< 0.01	< 0.05	91	0.38	0.9	0.9	0.050	< 0.05	< 0.1	< 0.001	0.010	15.3	0.0940
500306	0.1	< 0.01	< 0.05	60	0.56	1.0	1.6	0.070	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.135
500307	< 0.1	< 0.01	< 0.05	70	0.34	0.6	1.8	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.118
500308	< 0.1	< 0.01	< 0.05	197	0.37	0.9	1.4	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.109
500309	< 0.1	< 0.01	< 0.05	187	0.30	0.6	0.3	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.127
500310	0.1	< 0.01	< 0.05	196	0.48	0.4	0.4	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.107
500311	< 0.1	< 0.01	< 0.05	107	0.36	0.4	2.3	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.100
500312	0.1	< 0.01	< 0.05	151	0.52	1.0	5.2	0.070	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.148
500313	0.1	< 0.01	< 0.05	180	0.32	0.6	1.2	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.129
500314	0.1	< 0.01	< 0.05	207	0.36	0.8	2.6	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.138
500315	0.1	< 0.01	< 0.05	187	0.48	1.1	3.3	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.137
500316	0.1	0.04	< 0.05	222	0.32	0.6	0.6	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.162
500317	0.1	< 0.01	< 0.05	202	0.29	0.3	2.0	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.143
500318	0.1	< 0.01	< 0.05	227	0.40	0.8	3.7	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.160
500319	0.1	< 0.01	< 0.05	73	0.36	0.5	0.7	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.131
500320	0.1	< 0.01	< 0.05	64	0.28	0.5	< 0.3	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.116
500321	< 0.1	< 0.01	< 0.05	144	0.24	0.2	< 0.3	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.152
500322	< 0.1	< 0.01	< 0.05	33	0.16	0.4	< 0.3	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.111
500323	< 0.1	< 0.01	< 0.05	75	0.25	0.3	1.1	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.143
500324	< 0.1	< 0.01	< 0.05	63	0.26	0.2	0.9	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.114
500325	< 0.1	< 0.01	< 0.05	62	0.29	0.6	< 0.3	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.0750
500326	< 0.1	< 0.01	< 0.05	43	0.17	0.2	< 0.3	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.144
500327	< 0.1	< 0.01	< 0.05	59	0.31	0.4	0.7	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.149
500328	< 0.1	< 0.01	< 0.05	57	0.26	0.7	1.3	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.147
500329	< 0.1	0.04	< 0.05	40	0.36	0.6	1.2	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.132
500330	0.2	0.15	< 0.05	69	0.51	0.6	1.7	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.5	0.101
500331	< 0.1	< 0.01	< 0.05	43	0.34	0.6	0.9	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.0870
500332	0.2	< 0.01	< 0.05	82	0.35	0.4	1.3	0.070	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.109
500333	< 0.1	< 0.01	< 0.05	51	0.38	0.5	1.3	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.0980
500334	< 0.1	< 0.01	< 0.05	75	0.37	0.4	1.9	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.122
500335	< 0.1	< 0.01	< 0.05	75	0.42	0.8	1.1	0.070	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.0890
500336	< 0.1	< 0.01	< 0.05	279	0.31	0.6	< 0.3	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.118
500337	< 0.1	< 0.01	< 0.05	113	0.32	0.4	< 0.3	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.147
500338	0.1	< 0.01	< 0.05	110	0.41	0.5	0.8	0.070	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.154
500339	< 0.1	< 0.01	< 0.05	101	0.28	0.1	0.9	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.135
500340	< 0.1	< 0.01	< 0.05	120	0.25	0.5	0.3	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.160
500341	< 0.1	< 0.01	< 0.05	111	0.51	0.6	1.7	0.090	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.124
500342	< 0.1	< 0.01	< 0.05	111	0.26	0.5	2.4	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.165
500343	< 0.1	0.02	< 0.05	158	0.26	0.4	< 0.3	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.185
500344	< 0.1	< 0.01	< 0.05	33	0.32	0.2	1.3	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.0990
500345	< 0.1	< 0.01	< 0.05	134	0.38	0.7	1.5	0.070	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.103
500346	< 0.1	< 0.01	< 0.05	70	0.34	0.6	1.1	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.110

Analyte Symbol	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Lu	Yb	Mass	Received Weight
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	Kg
Lower Limit	0.1	0.01	0.05	2	0.01	0.1	0.3	0.001	0.05	0.1	0.001	0.005		
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	none
500347	< 0.1	0.14	< 0.05	59	0.37	0.4	< 0.3	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.0910
500348	< 0.1	< 0.01	< 0.05	53	0.40	0.5	0.3	0.070	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.0780
500349	< 0.1	< 0.01	< 0.05	82	0.19	0.4	0.4	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.0980
500350	< 0.1	< 0.01	< 0.05	85	0.20	0.3	1.3	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.0930
500351	< 0.1	< 0.01	< 0.05	30	0.24	< 0.1	0.4	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.114
500352	< 0.1	< 0.01	< 0.05	78	0.24	0.4	1.5	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.101
500353	< 0.1	< 0.01	< 0.05	70	0.34	0.9	1.0	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.0880
500354	< 0.1	< 0.01	< 0.05	45	0.34	0.6	< 0.3	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.0860
500355	< 0.1	< 0.01	< 0.05	92	0.29	0.4	1.5	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.0960
500356	< 0.1	< 0.01	< 0.05	81	0.29	0.4	0.9	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.136
500357	< 0.1	< 0.01	< 0.05	58	0.33	0.4	0.6	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.110
500358	< 0.1	0.09	< 0.05	48	0.27	0.4	0.9	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.124
500359	< 0.1	< 0.01	< 0.05	167	0.24	0.4	0.3	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.143
500360	< 0.1	< 0.01	< 0.05	78	0.40	0.8	1.1	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.122
500361	< 0.1	< 0.01	< 0.05	88	0.36	0.5	1.0	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.118
500362	< 0.1	< 0.01	< 0.05	94	0.28	< 0.1	1.6	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.115
500363	< 0.1	0.06	< 0.05	128	0.40	0.7	0.6	0.080	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.109
500364	< 0.1	< 0.01	< 0.05	107	0.36	0.4	1.1	0.070	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.101
500365	< 0.1	< 0.01	< 0.05	105	0.38	0.4	0.4	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.0970
500366	< 0.1	< 0.01	< 0.05	90	0.40	0.5	0.5	0.070	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.114
500367	< 0.1	< 0.01	< 0.05	65	0.30	0.8	0.4	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.110
500368	< 0.1	< 0.01	< 0.05	65	0.50	0.6	1.0	0.090	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.0970
500369	< 0.1	0.18	< 0.05	82	0.24	0.4	< 0.3	0.020	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.121
500370	< 0.1	0.21	< 0.05	89	0.50	0.6	0.9	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.103
500371	< 0.1	< 0.01	< 0.05	124	0.40	0.6	1.4	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.0730
500372	< 0.1	< 0.01	< 0.05	75	0.36	0.8	0.6	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.0870
500373	< 0.1	< 0.01	< 0.05	119	0.38	0.6	0.5	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.151
500374	< 0.1	< 0.01	< 0.05	213	0.34	0.5	2.0	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.127
500375	0.1	< 0.01	< 0.05	208	0.37	0.5	2.5	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.136
500376	< 0.1	< 0.01	< 0.05	84	0.40	0.8	0.4	0.080	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.0930
500377	0.1	< 0.01	< 0.05	157	0.39	0.7	0.6	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.128
500378	< 0.1	< 0.01	< 0.05	114	0.26	0.3	0.5	0.020	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.157
500379	< 0.1	< 0.01	< 0.05	92	0.33	0.3	< 0.3	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.127
500380	0.1	< 0.01	< 0.05	86	0.21	0.2	0.8	0.020	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.159
500381	< 0.1	< 0.01	< 0.05	73	0.26	0.4	< 0.3	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.127
500382	< 0.1	< 0.01	< 0.05	61	0.28	0.2	1.4	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.153
500383	0.1	< 0.01	< 0.05	74	0.34	0.4	0.9	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.130
500384	< 0.1	< 0.01	< 0.05	102	0.33	0.4	0.6	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.146
500385	< 0.1	< 0.01	< 0.05	97	0.35	0.6	0.8	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.114
500386	< 0.1	< 0.01	< 0.05	98	0.41	0.6	1.9	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.107
500387	< 0.1	< 0.01	< 0.05	102	0.26	0.3	< 0.3	0.020	< 0.05	< 0.1	< 0.001	< 0.005	15.0	0.163
500388	< 0.1	< 0.01	< 0.05	47	0.33	0.6	0.9	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.123
500389	< 0.1	< 0.01	< 0.05	158	0.28	0.3	0.5	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.150
500390	< 0.1	< 0.01	< 0.05	168	0.31	0.4	< 0.3	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.143
500391	< 0.1	< 0.01	< 0.05	133	0.25	< 0.1	1.5	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.111
500392	0.1	0.04	< 0.05	78	0.40	0.6	0.6	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.139
500393	< 0.1	0.07	< 0.05	118	0.39	0.6	2.0	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.0930
500394	0.1	< 0.01	< 0.05	146	0.50	0.6	1.9	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.0800
500395	< 0.1	< 0.01	< 0.05	43	0.31	0.6	0.6	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.0440
500396	0.1	< 0.01	< 0.05	84	0.30	0.6	0.9	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.143

Analyte Symbol	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Lu	Yb	Mass	Received Weight
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	Kg
Lower Limit	0.1	0.01	0.05	2	0.01	0.1	0.3	0.001	0.05	0.1	0.001	0.005		
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	none
500397	0.1	< 0.01	< 0.05	89	0.50	0.9	0.8	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.112
500398	0.1	0.03	< 0.05	86	0.32	0.4	0.6	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.0970
500399	< 0.1	< 0.01	< 0.05	124	0.28	0.4	0.9	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.137
500400	< 0.1	< 0.01	< 0.05	137	0.29	0.5	< 0.3	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.134
500401	< 0.1	< 0.01	< 0.05	204	0.20	0.2	< 0.3	0.020	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.141
500402	< 0.1	< 0.01	< 0.05	116	0.31	0.8	0.7	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.132
500403	< 0.1	0.04	< 0.05	111	0.33	0.4	0.5	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.103
500404	< 0.1	< 0.01	< 0.05	104	0.35	0.3	0.7	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.130
500405	0.1	< 0.01	< 0.05	123	0.39	0.6	0.4	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.130
500406	< 0.1	< 0.01	< 0.05	180	0.29	0.4	< 0.3	0.020	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.179
500407	< 0.1	< 0.01	< 0.05	76	0.22	0.6	1.0	0.030	< 0.05	< 0.1	< 0.001	0.010	15.3	0.128
500408	< 0.1	0.03	< 0.05	49	0.54	1.1	1.4	0.090	< 0.05	< 0.1	< 0.001	0.030	15.3	0.111
500409	< 0.1	0.04	< 0.05	75	0.34	0.9	1.0	0.050	< 0.05	< 0.1	< 0.001	0.010	15.4	0.129
500410	< 0.1	< 0.01	< 0.05	29	0.29	0.9	0.9	0.040	< 0.05	< 0.1	< 0.001	0.010	15.3	0.131
500411	< 0.1	< 0.01	< 0.05	48	0.23	0.7	0.5	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.148
500412	< 0.1	< 0.01	< 0.05	82	0.27	0.7	1.1	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.0890
500413	< 0.1	< 0.01	< 0.05	41	0.37	0.9	1.3	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.0	0.120
500414	< 0.1	< 0.01	< 0.05	61	0.27	0.9	0.8	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.0990
500415	< 0.1	< 0.01	< 0.05	57	0.26	0.7	0.8	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.0880
500416	< 0.1	< 0.01	< 0.05	91	0.25	0.5	0.8	0.030	< 0.05	< 0.1	< 0.001	0.010	15.3	0.126
500417	< 0.1	< 0.01	< 0.05	56	0.36	0.9	1.9	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.0790
500418	< 0.1	< 0.01	< 0.05	86	0.35	0.9	1.4	0.050	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.102
500419	< 0.1	< 0.01	< 0.05	123	0.29	0.7	1.3	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.118
500420	< 0.1	< 0.01	< 0.05	72	0.21	0.7	0.4	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.4	0.108
500421	< 0.1	0.06	< 0.05	63	0.27	0.6	1.1	0.040	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.0800
500422	< 0.1	< 0.01	< 0.05	60	0.40	1.1	1.5	0.060	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.0840
500423	< 0.1	< 0.01	< 0.05	133	0.25	0.6	1.9	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.151
500424	< 0.1	< 0.01	< 0.05	88	0.23	0.5	0.7	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.2	0.122
500425	< 0.1	< 0.01	< 0.05	94	0.21	0.7	1.0	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.1	0.119
500426	< 0.1	< 0.01	< 0.05	51	0.21	0.6	0.8	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.123
500427	< 0.1	< 0.01	< 0.05	74	0.18	0.5	0.6	0.030	< 0.05	< 0.1	< 0.001	< 0.005	15.3	0.152

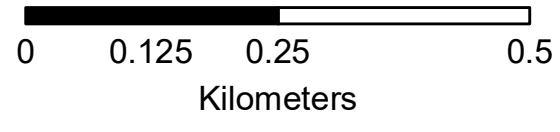
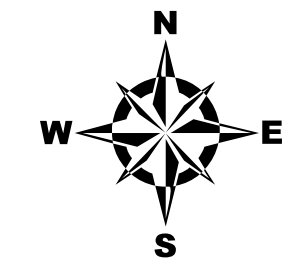
Analyte Symbol	Au	Br	Ca	Co	Fe	K	Na	Sb	Sc	Zn	La	Ce	Sm
Unit Symbol	ppb	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.01	0.01	0.1	0.005	0.01	1	0.005	0.01	2	0.01	0.1	0.001
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
L-STD-11 Meas	20.6	5.25	3.79	0.6	0.100	1.23	351	0.160	0.22	32	0.81	1.4	0.130
L-STD-11 Cert	2.00	5.60	3.67	0.600	0.110	1.24	365	0.160	0.240	32.0	0.800	1.41	0.130

## **Appendix IV**

### **Maps**



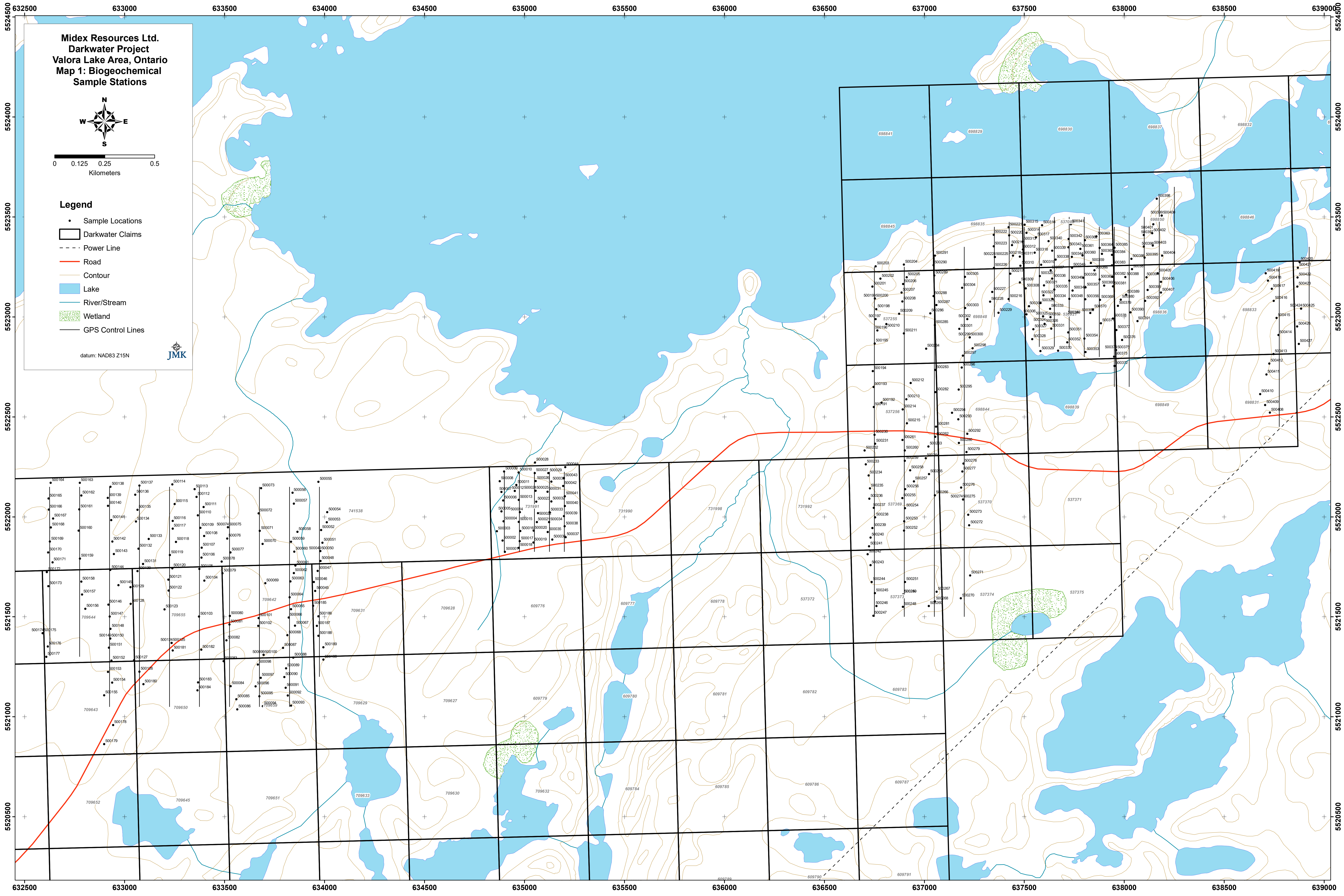
Midex Resources Ltd.  
Darkwater Project  
Valora Lake Area, Ontario  
Map 1: Biogeochemical  
Sample Stations



Legend

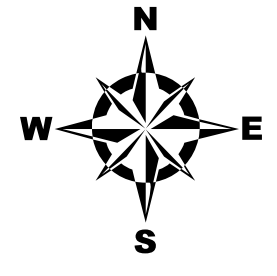
- Sample Locations
- Darkwater Claims
- - - Power Line
- Road
- Contour
- Lake
- River/Stream
- Wetland
- GPS Control Lines

datum: NAD83 Z15N



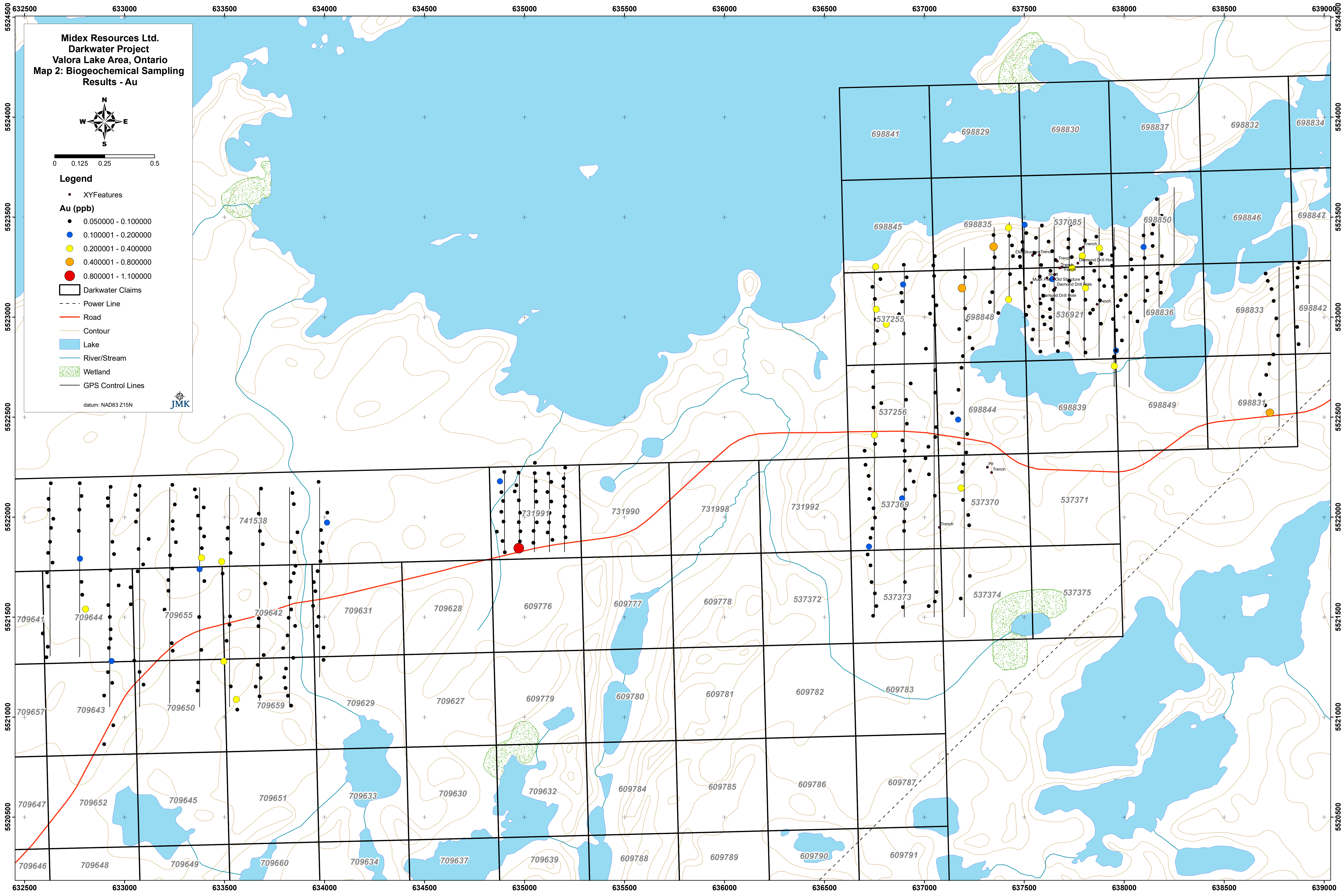


Midex Resources Ltd.  
Darkwater Project  
Valora Lake Area, Ontario  
Map 2: Biogeochemical Sampling  
Results - Au



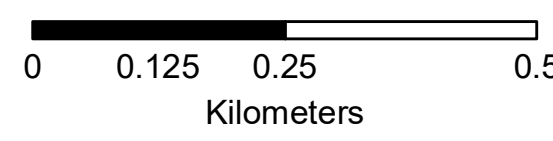
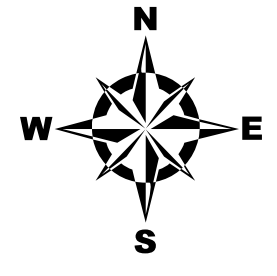
- Legend**
- XYFeatures
  - Au (ppb)**
    - 0.050000 - 0.100000
    - 0.100001 - 0.200000
    - 0.200001 - 0.400000
    - 0.400001 - 0.800000
    - 0.800001 - 1.100000
  - ▭ Darkwater Claims
  - - - Power Line
  - Road
  - Contour
  - Lake
  - River/Stream
  - ▨ Wetland
  - GPS Control Lines

datum: NAD83 Z15N

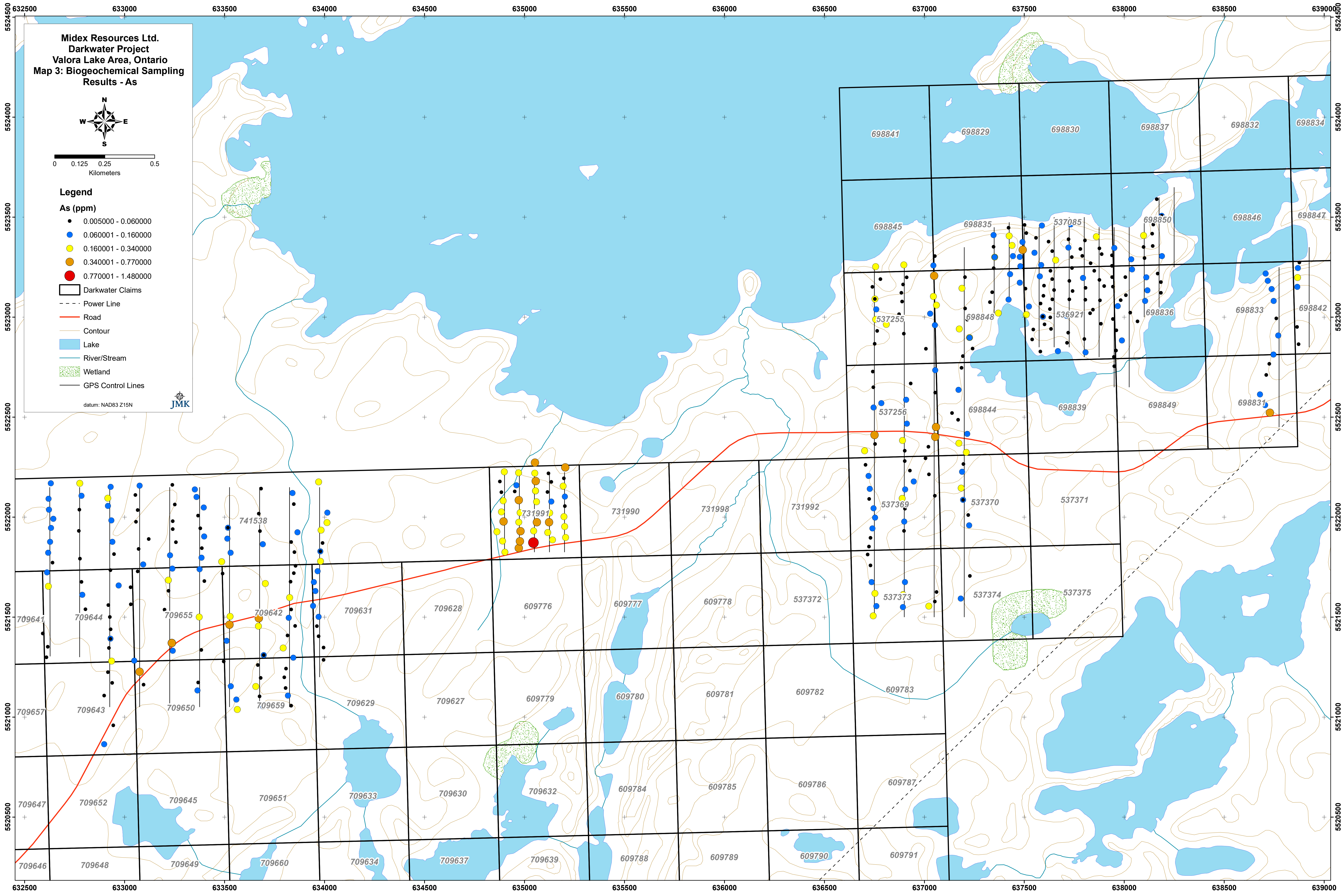




Midex Resources Ltd.  
Darkwater Project  
Valora Lake Area, Ontario  
Map 3: Biogeochemical Sampling  
Results - As

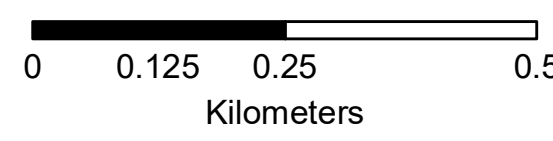
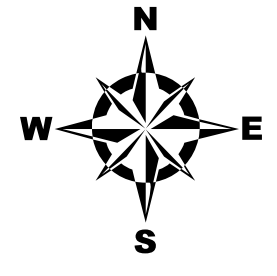


- Legend**
- As (ppm)**
- 0.005000 - 0.060000
  - 0.060001 - 0.160000
  - 0.160001 - 0.340000
  - 0.340001 - 0.770000
  - 0.770001 - 1.480000
- Darkwater Claims  
Power Line  
Road  
Contour  
Lake  
River/Stream  
Wetland  
GPS Control Lines
- datum: NAD83 Z15N
- 



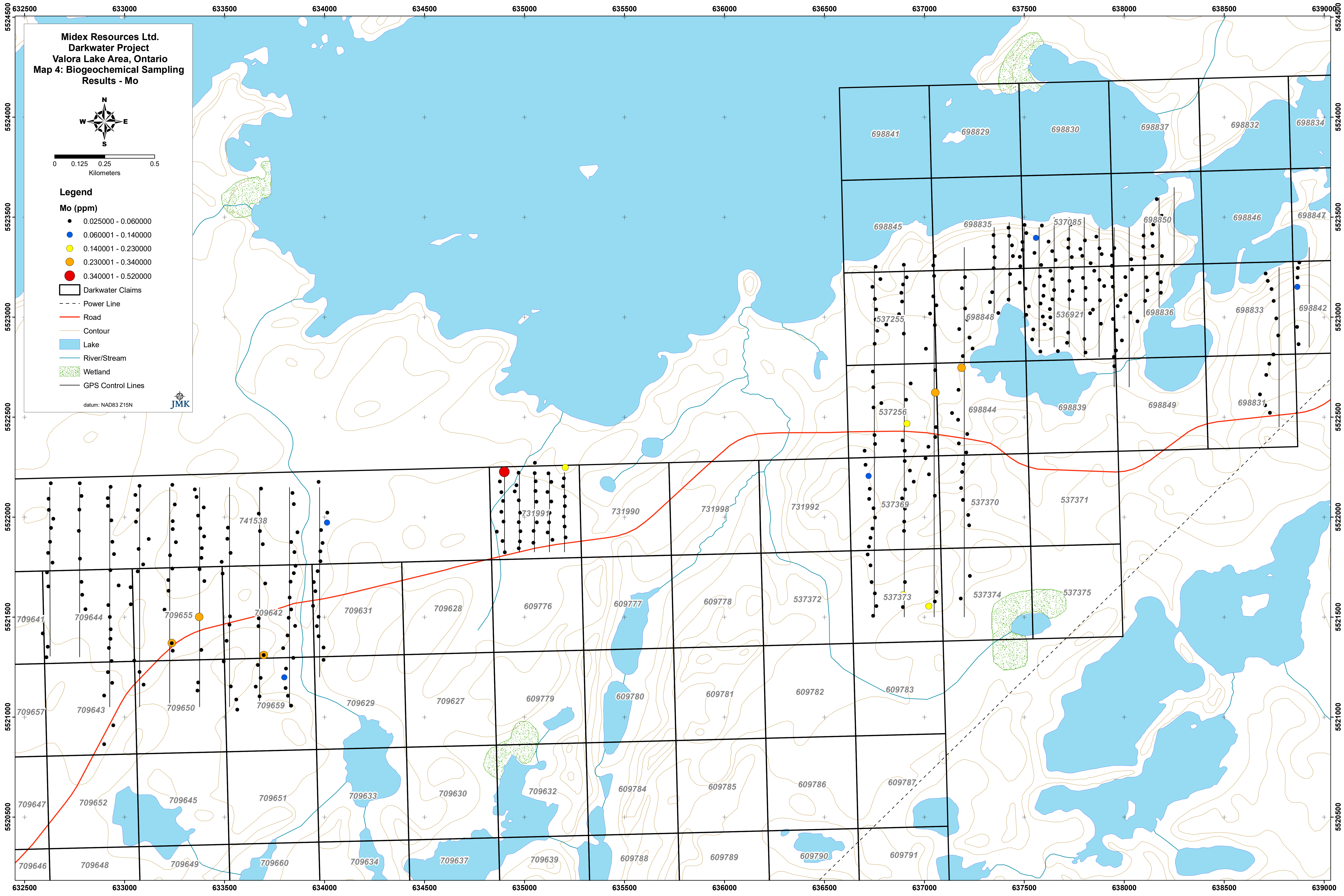


Midex Resources Ltd.  
Darkwater Project  
Valora Lake Area, Ontario  
Map 4: Biogeochemical Sampling  
Results - Mo



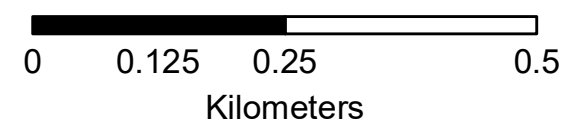
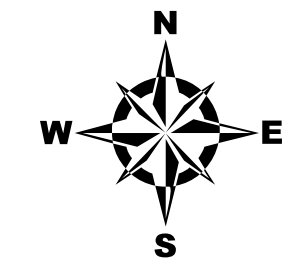
- Legend**
- Mo (ppm)**
- 0.025000 - 0.060000
  - 0.060001 - 0.140000
  - 0.140001 - 0.230000
  - 0.230001 - 0.340000
  - 0.340001 - 0.520000
- Darkwater Claims  
Power Line  
Road  
Contour  
Lake  
River/Stream  
Wetland  
GPS Control Lines

datum: NAD83 Z15N





Midex Resources Ltd.  
Darkwater Project  
Valora Lake Area, Ontario  
Map 1: Biogeochemical Sampling  
Results - Au

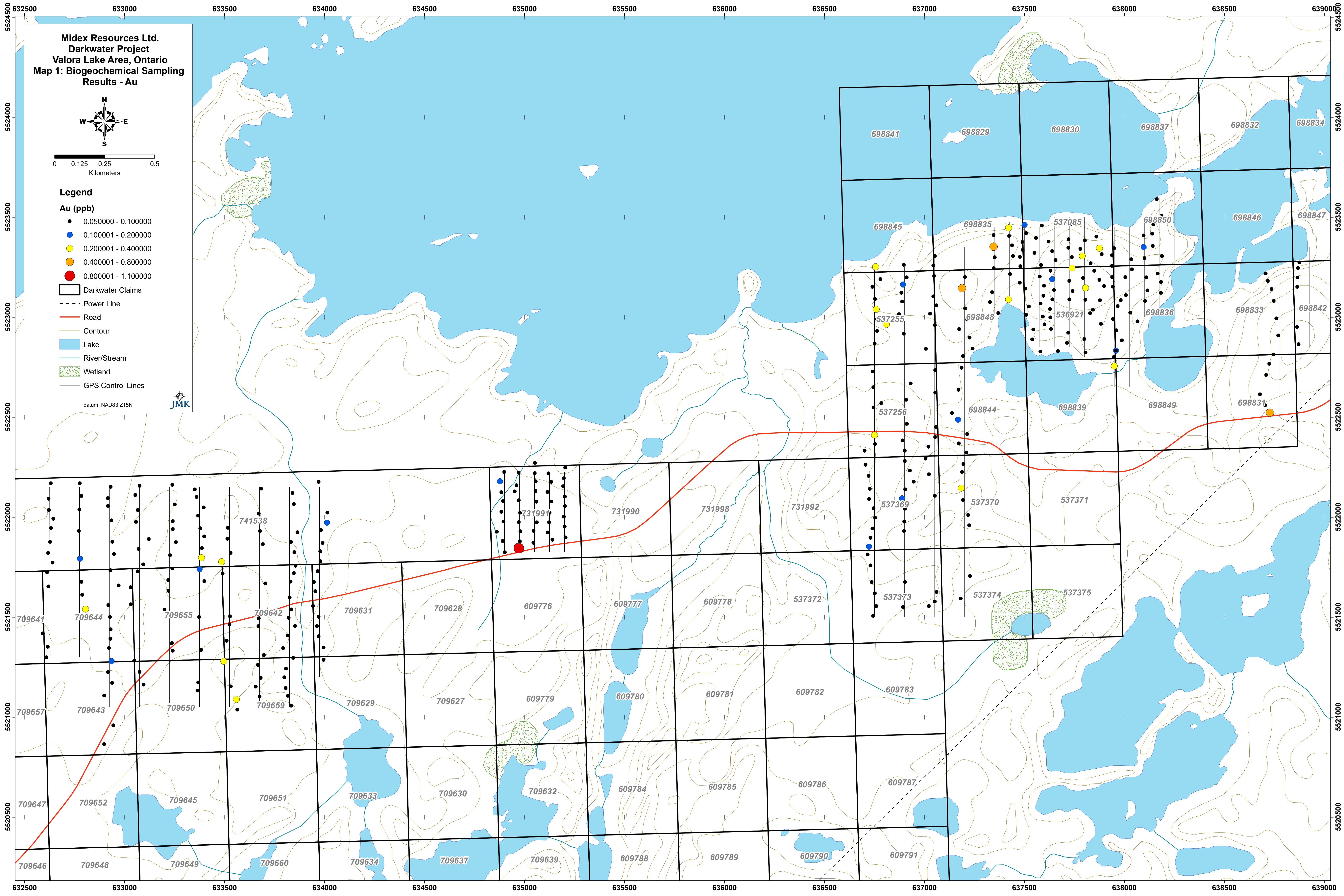


Legend

- Au (ppb)**
- 0.050000 - 0.100000
  - 0.100001 - 0.200000
  - 0.200001 - 0.400000
  - 0.400001 - 0.800000
  - 0.800001 - 1.100000

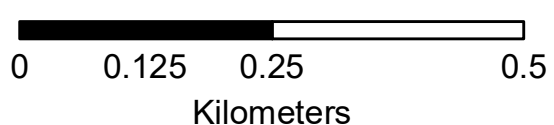
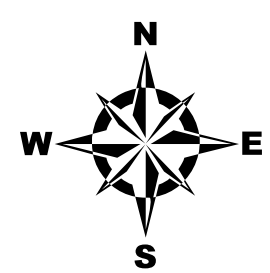
- Darkwater Claims
- Power Line
- Road
- Contour
- Lake
- River/Stream
- Wetland
- GPS Control Lines

datum: NAD83 Z15N





Midex Resources Ltd.  
Darkwater Project  
Valora Lake Area, Ontario  
Map 2: Biogeochemical Sampling  
Results - As



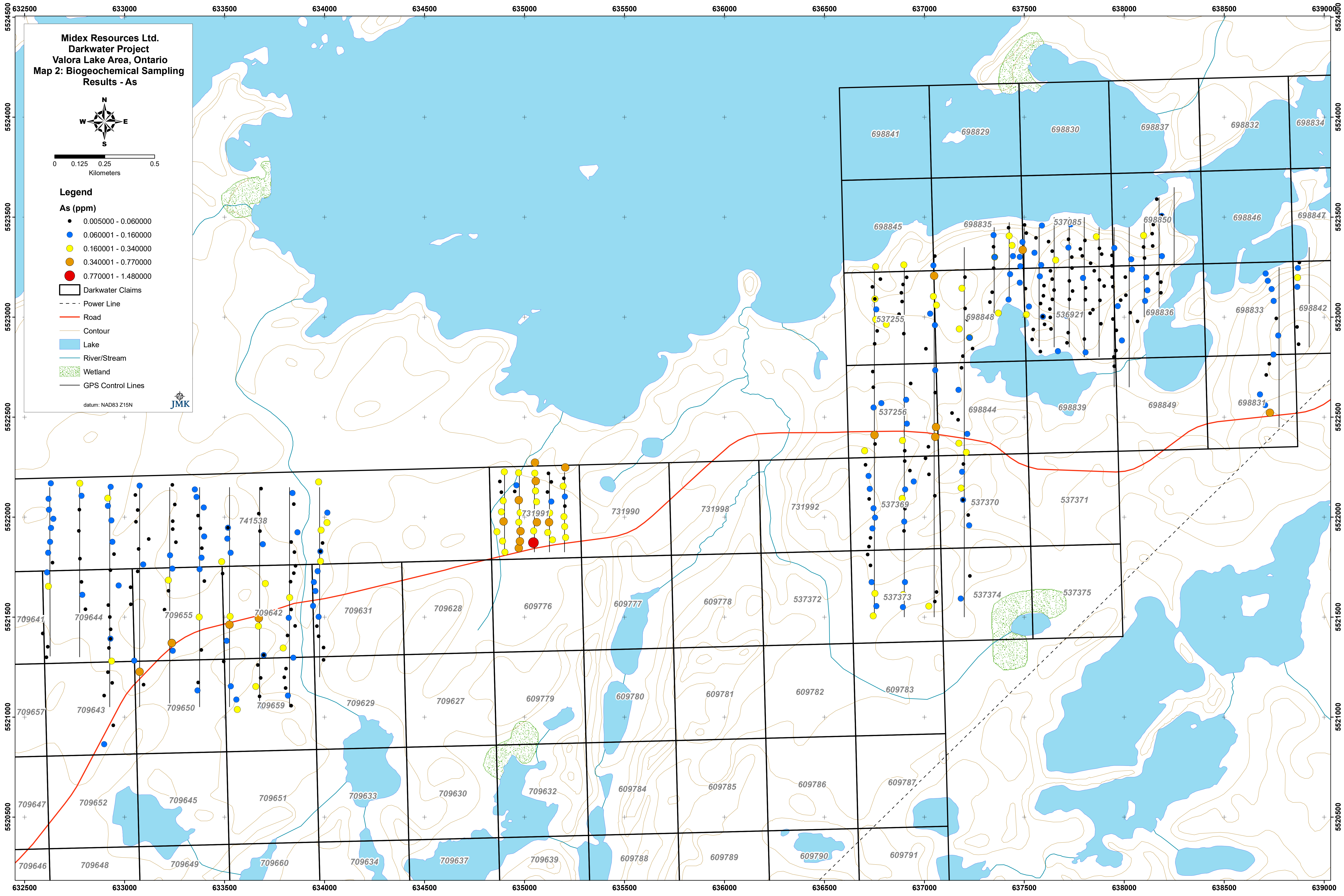
Legend

As (ppm)

- 0.005000 - 0.060000
- 0.060001 - 0.160000
- 0.160001 - 0.340000
- 0.340001 - 0.770000
- 0.770001 - 1.480000

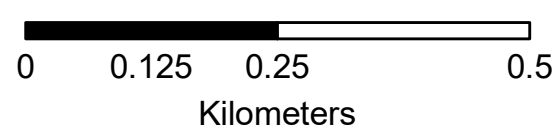
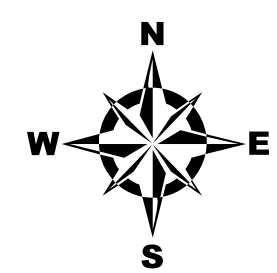
- Darkwater Claims
- Power Line
- Road
- Contour
- Lake
- River/Stream
- Wetland
- GPS Control Lines

datum: NAD83 Z15N





Midex Resources Ltd.  
Darkwater Project  
Valora Lake Area, Ontario  
Map 3: Biogeochemical Sampling  
Results - Mo



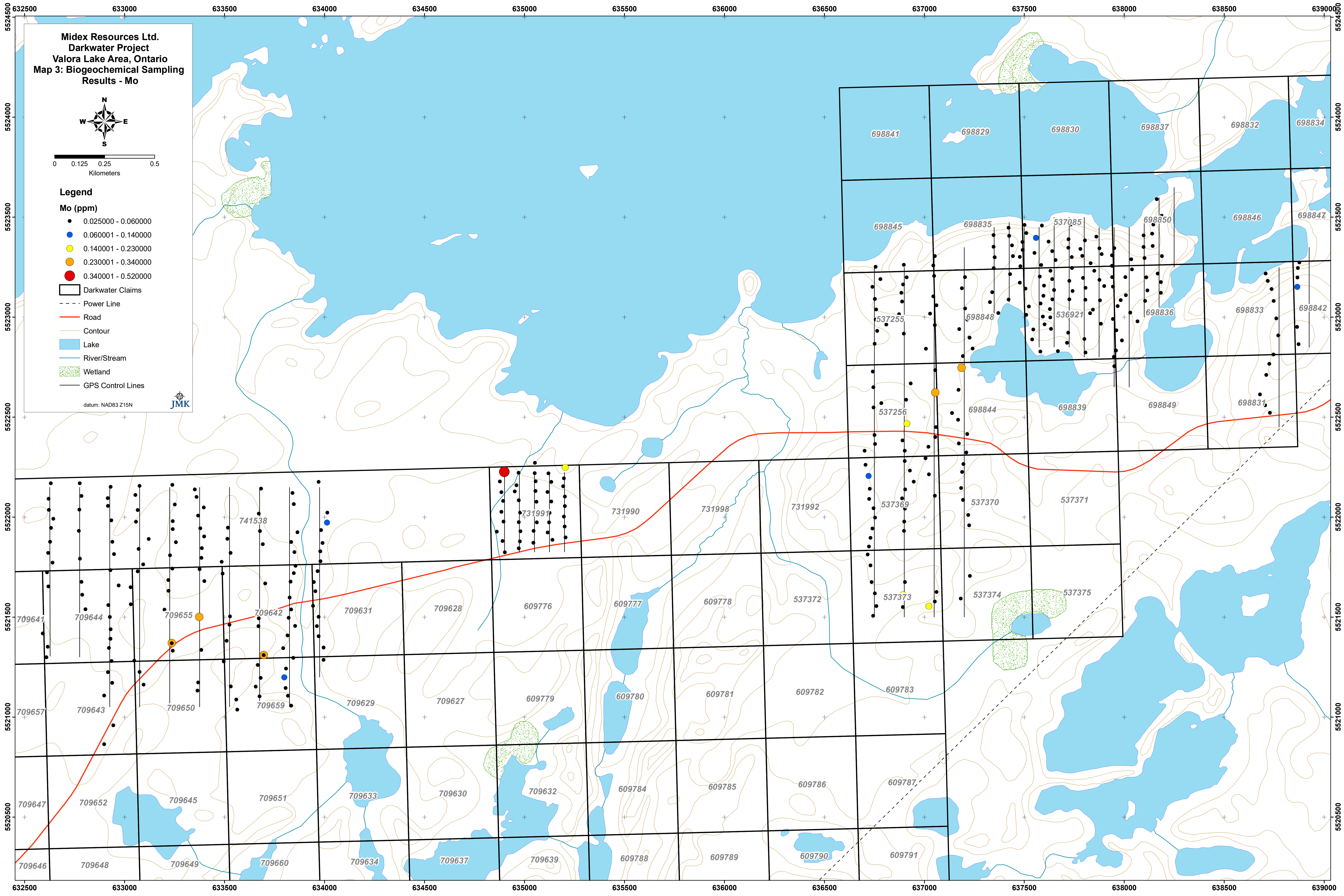
Legend

Mo (ppm)

- 0.025000 - 0.060000
- 0.060001 - 0.140000
- 0.140001 - 0.230000
- 0.230001 - 0.340000
- 0.340001 - 0.520000

- Darkwater Claims
- Power Line
- Road
- Contour
- Lake
- River/Stream
- Wetland
- GPS Control Lines

datum: NAD83 Z15N



Costs

TECHNICAL REPORT COSTS						
Category	Contractor	Invoice #	Date	Task	Amount (no HST incl)	Comment
Geochemical Sampling	JMK Exploration Cons	Mar/April Invoice	Apr 30 2023	Geologist Spruce Bark sampling	\$ 5,950.00	7 days @ 850/day
Geochemical Sampling	JMK Exploration Cons	Mar/April Invoice	Apr 30 2023	Propector Spruce Bark sampling	\$ 3,150.00	7 days @ 450/day
Geochemical Sampling	JMK Exploration Cons	Feb Invoice	Febr 28 2023	Geologist Spruce Bark sampling	\$ 7,225.00	8.5 days @ 850/day
Geochemical Sampling	JMK Exploration Cons	Feb Invoice	Febr 28 2023	Propector Spruce Bark sampling	\$ 3,600.00	8.0 days @ 450/day
<b>Total</b>					<b>\$ 19,925.00</b>	
Accomodation	JMK Exploration Cons	Expenses	Feb Invoice	Accomodation Big Bird inn	\$ 198.00	
Accomodation	JMK Exploration Cons	Expenses	Mar/April Invoice	Accomodation Silver Dollar Lodge	\$ 1,713.53	
<b>Total</b>					<b>1,911.53</b>	
Report/Maps	JMK Exploration Cons	Mar/April Invoice	Apr 30 2023	Data input/compilation/rpt writing/maps/GIS	\$ 6,587.50	7 days @ 850/day
Report/Maps; Companys Labour	David Jamieson P.Geo	Midex Salary	May 5 2023	Interpretation	\$ 743.00	partial day
Report/Maps;	WellDunn	Feb Invoice	Feb 22 2023	QA/QC Data, Sampling Manual, Survey prep	\$ 2,250.00	
<b>Total</b>					<b>\$ 9,580.50</b>	
Assays/Mineral Processing	JMK Exploration Cons	Expenses	Apr 27 2023	Assaying Actlabs	\$ 16,951.90	
<b>Total</b>					<b>\$ 16,951.90</b>	
Food	JMK Exploration Cons	Expenses	Mar/April Invoice	Tim Hortons Wawa	\$ 21.38	
Food	JMK Exploration Cons	Expenses	Mar/April Invoice	Wendys Hwy 11b	\$ 14.39	
Food	JMK Exploration Cons	Expenses	Mar/April Invoice	Subway Wawa	\$ 32.00	
Food	JMK Exploration Cons	Expenses	Feb Invoice	Chicken Chef Sioux Lookout	\$ 54.09	
Food	JMK Exploration Cons	Expenses	Feb Invoice	Walmart Grocerie	\$ 229.61	
Food	JMK Exploration Cons	Expenses	Feb Invoice	Mikes Roadhouse Thunder Bay	\$ 63.09	
Food	JMK Exploration Cons	Expenses	Feb Invoice	Shoprite Foods Ignace	\$ 46.83	
Food	JMK Exploration Cons	Expenses	Feb Invoice	Metro Grocery Thunder Bay	\$ 264.19	
<b>Total</b>					<b>725.58</b>	
Personal Transp.						
Personal Transp.						
Personal Transp.						
Personal Transp.						
<b>Total</b>					<b>-</b>	
Mob/Demob						
<b>Total</b>					<b>-</b>	
Fuel	JMK Exploration Cons	Expenses	Mar/April Invoice	Watershed Gogama	\$ 106.30	
Fuel	JMK Exploration Cons	Expenses	Mar/April Invoice	Nipigon Esso	\$ 116.05	



Costs

Category	Contractor	Invoice #	Date	Task	Amount (no HST incl)	Comment
Fuel	JMK Exploration Cons	Expenses	Feb Invoice	Voyeur Esso Ignace	\$ 120.16	
Fuel	JMK Exploration Cons	Expenses	Feb Invoice	Kellys Diner Cartier	\$ 111.62	
Fuel	JMK Exploration Cons	Expenses	Feb Invoice	Kellys Diner Cartier	\$ 58.65	
Fuel	JMK Exploration Cons	Expenses	Feb Invoice	Terrace Bay Enterprises	\$ 114.29	
<b>Total</b>					<b>\$ 627.07</b>	
Supplies	JMK Exploration Cons	Expenses	Mar/April Invoice	Field Supplies Rice bags Actlabs	\$ 24.00	
Supplies	JMK Exploration Cons	Expenses	Feb Invoice	Sampling equipment S and I Mclean Enterprises	\$ 32.98	
Supplies	JMK Exploration Cons	Expenses	Feb Invoice	Sampling equipment	\$ 2.97	
Supplies	JMK Exploration Cons	Expenses	Feb Invoice	Sampling equipment Canadian Tire North Bay	\$ 44.99	
Supplies	JMK Exploration Cons	Expenses	Feb Invoice	Sampling equipment Pines Hardware	\$ 23.95	
Supplies	JMK Exploration Cons	Expenses	Feb Invoice	Sampling equipment Home Depot	\$ 23.20	
Supplies	JMK Exploration Cons	Expenses	Feb Invoice	Sampling equipment Exploration Services	\$ 100.20	
Supplies	JMK Exploration Cons	Expenses	Feb Invoice	Sampling equipment	\$ 53.98	
<b>Total</b>					<b>\$ 306.27</b>	
Rentals	JMK Exploration Cons	Expenses	Mar/April Invoice	Truck Enterprise Truck Rental	\$ 1,489.14	
<b>Total</b>					<b>1,489.14</b>	
				<b>Technical Work Total</b>	<b>\$ 51,516.99</b>	