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**PEAT GEOCHEMICAL DATA IN THE NEA-IAEA
ATHABASCA BASIN - WOLLASTON LAKE
TEST AREA, SASKATCHEWAN
(64L, 74I)**

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INTRODUCTION

Peat and associated materials were sampled over a portion of the Athabasca Basin-Wollaston Metasedimentary Belt (designated as the NEA-IAEA Test Area) during June, 1980. Detailed sampling was carried out over both Canadian Occidental Petroleum Ltd.'s McLean deposits and Canada Wide Mine's Midwest deposit at McMahon Lake. Additional sampling was carried out on a regional traverse from McMahon Lake to Wollaston Lake. The peat survey was co-ordinated with the basal till survey of V.J. Sopuck (Saskatchewan Research Council) and the vegetation survey of Dunn (1981a, b). A total of 917 peat, surface organic materials (humus, Labrador tea and **Sphagnum** moss), and inorganic clastic sediments and, 353 interstitial waters squeezed from the peats, were obtained during the surveys.

This geochemical survey was designed to determine the distribution patterns of uranium and associated elements in peat in order to test the response of this sample medium to typical geological and environmental influences within the surveyed portion of the Athabasca Basin-Wollaston and Mudjatik Domains, and to compare the response of this medium to that of lake waters and sediments collected and described previously (Coker and Dunn, 1981).

SAMPLING TECHNIQUES AND ANALYTICAL PROCEDURES

Sample Collection

During the survey two sampling situations arose. The first involved sites outside of bogs where only a sample of either organic litter and/or **Sphagnum** moss directly over boulders and/or glacial drift could be collected. The second were sites in bogs where a pit was dug to the permafrost table (0.2-0.4 m) below which a continuous core was recovered using a frozen ground coring kit consisting of a

Stihl 4303, hand-held gas-powered auger adapted to a modified CRREL (3 inch inside diameter) core barrel (Veillette and Nixon, 1980).

The surface *Sphagnum*, cored frozen peat and inorganic clastic sediments (alluvium, colluvium, fluvial sand, till) were collected from the cores and classified and separated on the basis of textural, compositional, and colour differences. A sample of Labrador tea (*Ledum groenlandicum*) was collected from growing plants at a few sites. All samples were sealed in plastic bags and shipped to the laboratory for later preparation and analyses.

Sample Preparation

The interstitial waters of selected thawed peat cores were squeezed out and filtered (0.45 μm). The filtered waters were stored in polyethylene bottles and retained for analyses.

Samples of peat, other organic materials and inorganic clastic sediments were transferred to kraft paper bags and air-dried. Organic-rich materials were ground with a mortar and pestle to less than 80-mesh (180 μm) size. The inorganic clastic sediments were sieved through an 80-mesh sieve to obtain the minus 80-mesh fraction. Clay-sized (<2 μm) material was extracted from till samples by centrifugation and decantation (samples 741 801214 to 228 only).

Analyses

Analyses of samples for Zn, Cu, Pb, Ni, Co, Fe, Mn, Mo, V, As, and loss-on-ignition (LOI) were carried out by Bondar-Clegg and Co. Ltd., Ottawa and for U by Atomic Energy of Canada Limited, Ottawa.

A 1 g sample of minus 80-mesh peat, other organic materials or inorganic clastic sediments was digested in a test tube with 6 mL of 4M HNO_3 -1M HCl

overnight. The test tube was then immersed in a hot water bath at room temperature and brought up to, and held at 90°C for 2 hours, with periodic shaking. The sample solution was cooled to room temperature and diluted to 20 mL with distilled water and mixed. The contents of Zn, Cu, Mn, Fe, Mo, Pb, Ni, and Co were determined by atomic absorption spectroscopy using an air-acetylene flame. Analyses for the last three elements were carried out using simultaneous, automatic background correction. The content of V was determined by atomic absorption spectroscopy using a nitrous oxide-acetylene flame.

Arsenic was determined colorimetrically using silver diethyldithiocarbamate. Decomposition was accomplished by heating a 1 g sample with 20 mL of 6M HCl at 90°C for 1.5 hours. Colorimetric measurements were made at 520 nm.

A 500 mg sample was decomposed in 1.5 mL conc. HNO_3 at 90°C for 30 minutes, then 0.5 mL conc. HCl was added and the digestion continued at 90°C for an additional 90 minutes. After cooling, 8 mL of a 1250 ppm Al solution were added and the solution was made up to 10 mL with distilled water. Molybdenum was estimated by direct aspiration of the sample solution into the nitrous oxide-acetylene flame of an atomic absorption spectrophotometer.

The relative organic content of the samples, after being dried overnight at 105°C, was estimated by loss-on-ignition (LOI) during a three hour time-temperature controlled rise to 450°C.

Analyses of the samples for U was carried out by Atomic Energy of Canada Ltd. Uranium was determined by a method of neutron activation with delayed neutron counting. A 1 g sample was weighed into a 7 gram polyethylene vial, capped and sealed. Irradiation was provided by the "Slowpoke" reactor with an operating flux of 10^{12} neutrons/sq cm/sec. The samples were pneumatically transferred from an automatic loader to the reactor where each sample was

irradiated for 60 seconds. After irradiation, each sample was transferred pneumatically to the counting facility where after a 10 second delay the sample was counted for 60 seconds with six BF_3 detector tubes embedded in paraffin. Calibration was carried out a minimum of twice a day using materials of known uranium concentration.

All other analytical work was carried out in the laboratories of the Resource Geochemistry Subdivision, Resource Geophysics and Geochemistry Division, Geological Survey of Canada.

The fluorometric method of analysis was used to determine the uranium content of the interstitial waters.

The pH, conductivity, F^- content (by selective-ion electrode), alkalinity, and organic carbon content (estimated using the Barnstead Organic Carbon Analyzer) of the interstitial waters were also measured.

The interstitial waters were analyzed for the common anions, F^- , Cl^- , PO_4^{3-} , NO_3^- and SO_4^{2-} utilizing the Dionex system.

Evaluation of quality of the analytical data was based on a blind duplicate and reference control sample system. Each of these sample types was present on a random 5 per cent frequency basis. In each block of 20 samples there were 18 routine field samples, one blind duplicate, and one reference control sample. The blind duplicate is a split of one of the 18 field samples and the reference control sample is a split from one of several reference bulk samples available. Rejection or acceptance of data for each block of 20 samples was determined by statistical criteria involving the blind duplicate and reference control sample data. Rejected data were replaced by new data after repeat analyses.

RESULTS

Sample Location Maps

There are three sample location maps for the survey area:

MAP 1: NEA-IAEA ATHABASCA BASIN - WOLLASTON LAKE TEST AREA

PEAT SAMPLE LOCATION MAP

MAP 2: MCLEAN LAKE DETAILED SURVEY

PEAT SAMPLE LOCATION MAP

MAP 3: MCMAHON LAKE DETAILED SURVEY

PEAT SAMPLE LOCATION MAP

The overall survey area is illustrated on Map 1 which shows: the locations of the regional traverse sample sites; and, the locations of the detailed surveys at McLean Lake and McMahon Lake. The sample sites for the detailed surveys at McLean Lake and McMahon Lake are shown on Maps 2 and 3 respectively.

Sample sites are indicated by a dot on each of the three maps. The sample number(s) are given adjacent to the dot unless crowding occurred in which case there is a reference number beside the dot and the sample number(s) are listed elsewhere on the map. Each sample number consists of a National Topographic System (NTS) designation (64L, 74I as indicated on the maps) and a six digit number. Because the first three digits of the six digit number are constant (i.e. 801 = year, 1980, and sample type, 1 = peat and associated materials) only the significant digits within the last three digits of the six digit number are plotted on the maps (i.e. 801002=2, 801028=28, and 801342=342). The sample number for both the peat sample and derived interstitial water sample, when obtained, are the same at each site.

The Universal Transverse Mercator (UTM) grid coordinates (metres north, MN and metres east, ME) are indicated on the border of Map 1. Map 1 is at

a scale of 1:50 000. The existing company grids used for the detailed surveys at McLean and McMahon Lakes are shown on Maps 2 and 3 at a scale of 1 inch = 400 feet.

Peat, Surface Organic Materials and Inorganic Clastic Sediments -

Geochemical Data

Peat, surface organic material and inorganic clastic sediment geochemical data are listed in Appendix 1. An explanation of coding utilized on the data listing is provided below.

MAP SHEET - National Topographic System (NTS), lettered quadrangle (1:250,000 designation, i.e., 64L, 74I).

SAMPLE NUMBER - Six digit sample number (only the significant digits within the last three digits are plotted on the sample location maps).

UTM COORDINATES - Universal Transverse Mercator (UTM) Coordinate System.

(a) ZONE - Zone

(b) EAST - Easting (metres)

(c) NORTH - Northing (metres)

In the case of the detailed surveys at McLean Lake and McMahon Lake only the UTM's for the centre of the grids are given. The exact locations of the sample sites are given relative to the existing company grids (see GRID LOCATION).

GRID LOCATION - Company grid system in 100's of feet.

SAMPLE TYPE - The nature of the peat, surface organic materials and inorganic clastic sediments collected are classified as:

- 30 Podzolic soil - undifferentiated
- 70 Organic material - undifferentiated (i.e. thin organic litter over boulders/glacial material)
- 71 Peat - fibrison
- 72 Peat - mesisol
- 73 Peat - humisol
- 85 Colluvium
- 86 Alluvium
- 90 Labrador tea

SAMPLE DEPTH - Depth to top of the sample recorded to nearest centimetre.

SAMPLE THICKNESS - Thickness of the sampled interval recorded to the nearest centimetre.

SOIL HORIZON - The soil horizon is recorded using a standard code:

	United States	Canada
0	A ₀₀	L or L-H
1	A ₀	F
2	A ₁	H or A _h
3	A ₂	Ae
4	A ₃	AB
5	B ₁	BA
6	B ₂	B _f or B _t
7	B ₃	BC
8	C	C

COLOUR - The colour of the material sampled is coded as follows:

- 0 White
- 1 Buff
- 2 Yellow, yellow-brown
- 3 Orange, orange-brown
- 4 Olive
- 5 Red
- 6 Brown
- 7 Dark Brown
- 8 Black
- 9 Grey

U - Uranium in parts per million ($<0.10 = 0.05$)*

ZN - Zinc in parts per million ($<2 = 1$)

CU - Copper in parts per million ($<2 = 1$)

PB - Lead in parts per million ($<2 = 1$)

NI - Nickel in parts per million ($<2 = 1$)

CO - Cobalt in parts per million ($<2 = 1$)

FE - Iron in percent ($<0.02 = 0.01$)

MN - Manganese in parts per million ($<2 = 1$)

MO - Molybdenum in parts per million ($<2 = 1$)

V - Vanadium in parts per million ($<2 = 1$)

AS - Arsenic in parts per million ($<2 = 1$)

LOI - Loss-on-ignition in percentage ($<1.0 = 0.5$)

* Values in brackets equal the actual detection limit value and the one-half detection limit value recorded.

Interstitial Peat Waters - Geochemical Data

In a selected number of cases the interstitial waters were squeezed from the peats, filtered and analyzed. The geochemical data for the interstitial waters are listed in Appendix 2. An explanation of coding utilized on the data listing is provided below:

MAP SHEET	Explanation the same as described for Peat,
to	Surface Organic Materials and Inorganic Clastic
COLOUR	Sediments
U -	Uranium in parts per billion ($<0.10=0.05$)*
COND -	Conductivity in micromhos per centimetre ($<2=1$)
PH -	Hydrogen ion activity - pH
CACO ₃ -	Calcium carbonate in parts per million ($<1.0=0.5$)
HCO ₃ -	Bicarbonate in parts per million ($<0.5=0.3$)
ORG-C -	Organic carbon content in parts per million ($<1.0=0.5$)
F -	Fluoride (F^-) in parts per million ($<25=12$)
CL -	Chloride (Cl^-) in parts per million ($<0.5=0.2$)
PO ₄ -	Phosphate (PO_4^{3-}) in parts per million ($<0.2=0.1$)
NO ₃ -	Nitrate (NO_3^-) in parts per million ($<0.2=0.1$)
SO ₄ -	Sulphate (SO_4^{2-}) in parts per million ($<0.2=0.1$)

* Values in brackets equal the actual detection limit value the and one-half detection limit value recorded.

REFERENCES

Coker, W.B. and Dunn, C.E.

- 1981: Lake water and sediment geochemistry, NEA-IAEA Athabasca basin – Wollaston Lake test area (64L, 74I), Saskatchewan; Geological Survey of Canada, Open File 779, 100 p.

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- 1981a: Reconnaissance level and detailed surveys in the exploration for uranium by a biogeochemical method; in Summary of Investigations 1981, Saskatchewan Geological Survey, Misc. Rept. 81-4, p. 117-126.
- 1981b: The biogeochemical expression of deeply buried uranium mineralization in Saskatchewan, Canada; Journal of Geochemical Exploration, v. 15, p. 437-452.

Veillette, J.J. and Nixon, F.M.

- 1980: Portable drilling equipment for shallow permafrost sampling; Geological Survey of Canada, Paper 79-21, 35 p.

NEA-IAEA ATHABASCA BASIN - WOLLASTON LAKE TEST AREA
PEAT, SURFACE ORGANIC MATERIALS AND INORGANIC CLASTIC SEDIMENTS - GEOCHEMICAL DATA

MAP SHEET	SAMPLE NUMBER	UTM ZON	EAST	COORDINATES NORTH	GRID LOCATION 100FT	SAMPLE TYPE	SAMPLE DEP CM	SAMPLE THK CM	SOIL HOR	U PPM	ZN PPM	CU PPM	PB PPM	NI PPM	CO PPM	FE PCT	MN PPM	HG PPM	V PPM	AS PPM	LOI PCT
64L	801002	13	567800	6458000	12E	5N	0	10	1	6	0.40	4	5	3	1	0.50	320	2	7	1	96.1
64L	801003	13	567800	6458000	12E	5N	10	11	1	2	0.30	3	5	3	2	0.72	137	1	5	1	96.9
64L	801004	13	567800	6458000	12E	5N	21	10	1	6	0.70	3	1	3	1	0.37	37	3	10	1	79.7
64L	801005	13	567800	6458000	12E	5N	31	10	1	6	1.20	5	1	2	1	0.13	20	2	12	1	73.5
64L	801006	13	567800	6458000	12E	5N	0	10	1	6	0.50	3	3	2	1	0.22	77	1	7	1	79.0
64L	801007	13	567800	6450000	12E	5N	10	10	1	6	0.40	4	2	2	1	0.29	16	3	5	1	96.7
64L	801008	13	567800	6458000	12E	5N	20	8	1	6	1.10	4	1	1	1	0.12	9	2	10	1	87.2
64L	801009	13	567800	6458000	12E	5N	28	10	1	6	1.70	8	1	4	1	0.07	6	2	16	1	80.4
64L	801010	13	567800	6458000	12E	3N	0	20	1	3	0.10	5	2	1	1	0.02	11	2	6	1	99.0
64L	801011	13	567800	6458000	12E	3N	20	12	1	6	0.40	4	3	2	2	0.23	2	4	10	1	94.1
64L	801012	13	567800	6458000	12E	1N	0	15	1	3	0.30	7	4	1	1	0.08	6	2	6	1	97.4
64L	801013	13	567800	6458000	12E	1S	0	5	0	7	0.50	14	6	2	1	0.10	52	2	8	1	69.1
64L	801014	13	567800	6458000	12E	3S	0	5	0	7	0.50	7	6	5	1	0.11	14	4	8	1	78.3
64L	801015	13	567800	6458000	12E	5S	0	5	0	7	0.50	5	7	3	1	0.09	62	3	9	1	64.9
64L	801016	13	567800	6458000	12E	7S	0	15	1	3	0.10	20	2	2	1	0.03	48	2	6	1	98.6
64L	801017	13	567800	6458000	12E	7S	15	12	1	3	0.60	13	2	4	1	0.27	6	4	10	1	95.2
64L	801018	13	567800	6458000	12E	7S	27	10	1	6	1.20	8	1	3	1	0.60	2	3	7	2	96.2
64L	801020	13	567800	6458000	12E	7S	37	10	1	6	1.30	9	4	3	1	0.14	3	5	10	1	97.6
64L	801022	13	567800	6458000	12E	7S	47	13	1	6	1.70	7	2	2	1	0.09	4	4	11	1	96.6
64L	801023	13	567800	6458000	12E	7S	60	10	1	6	2.10	8	2	3	1	0.08	5	4	12	1	96.5
64L	801024	13	567800	6458000	12E	7S	70	10	1	6	2.10	7	9	2	1	0.11	5	4	14	1	96.1
64L	801026	13	567800	6458000	12E	8S	0	15	1	3	1.60	3	4	2	1	0.03	100	3	5	1	99.2
64L	801027	13	567800	6458000	12E	8S	15	8	1	6	0.20	24	4	3	1	0.31	25	4	5	1	97.3
64L	801028	13	567800	6458000	12E	8S	23	9	1	6	0.10	3	1	2	1	0.24	4	4	8	1	97.5
64L	801029	13	567800	6458000	12E	8S	32	15	1	3	0.10	3	2	2	1	0.14	6	3	8	1	97.8
64L	801030	13	567800	6458000	12E	8S	47	13	1	3	0.10	4	1	2	1	0.13	8	4	10	1	97.8
64L	801031	13	567800	6458000	12E	8S	60	15	1	3	0.10	3	1	4	1	0.17	10	4	9	1	98.6
64L	801032	13	567800	6458000	12E	8S	75	10	1	7	0.20	5	1	3	1	0.21	11	3	10	1	98.1
64L	801033	13	567800	6458000	12E	8S	85	10	1	7	0.20	4	1	4	1	0.21	12	3	10	1	98.0
64L	801034	13	567800	6458000	12E	9S	0	20	1	3	0.10	2	6	3	1	0.10	51	2	6	1	98.8
64L	801035	13	567800	6458000	12E	9S	20	10	1	3	0.10	3	1	2	1	0.19	47	2	8	1	98.9
64L	801036	13	567800	6458000	12E	9S	30	10	1	3	0.05	2	1	2	1	0.22	56	1	6	1	98.9
64L	801037	13	567800	6458000	12E	9S	40	12	1	3	0.10	2	2	1	1	0.27	53	1	7	1	99.0
64L	801038	13	567800	6458000	12E	9S	52	12	1	6	0.10	4	2	2	1	0.27	46	1	4	1	97.6
64L	801039	13	567800	6458000	12E	9S	64	5	1	6	0.10	4	0	3	1	0.24	35	2	5	1	97.5
64L	801040	13	567800	6458000	12E	9S	69	5	1	6	0.10	4	1	1	1	0.24	34	1	7	2	97.9
64L	801042	13	567800	6458000	12E	10S	0	20	1	3	0.05	2	3	2	1	0.02	52	1	5	1	99.1
64L	801043	13	567800	6458000	12E	10S	20	7	1	3	0.10	3	3	2	1	0.16	60	1	3	1	98.0
64L	801044	13	567800	6458000	12E	10S	27	14	1	6	0.10	4	3	3	1	0.14	22	1	5	1	99.3
64L	801045	13	567800	6458000	12E	10S	41	15	1	6	0.10	3	1	2	1	0.13	25	2	5	1	98.6
64L	801046	13	567800	6458000	12E	10S	56	11	1	6	0.05	3	2	3	1	0.21	33	2	4	1	99.2
64L	801047	13	567800	6458000	12E	10S	67	11	1	6	0.10	2	2	2	1	0.20	34	3	7	1	99.0
64L	801048	13	567800	6458000	12E	10S	78	11	1	6	0.10	3	1	2	1	0.23	30	3	4	1	98.7
64L	801049	13	567800	6458000	12E	10S	89	14	1	6	0.05	3	1	2	1	0.23	28	2	5	1	98.8
64L	801050	13	567800	6458000	12E	11S	0	20	1	6	0.20	3	3	4	1	0.27	57	2	3	1	97.2
64L	801052	13	567800	6458000	12E	11S	20	12	1	3	0.10	4	2	1	1	0.23	45	2	5	1	97.9
64L	801053	13	567800	6458000	12E	11S	32	9	1	3	0.10	3	3	4	1	0.18	36	2	6	1	97.2
64L	801054	13	567800	6458000	12E	11S	41	7	1	3	0.10	5	3	2	1	0.08	15	1	6	2	92.6
64L	801055	13	567800	6458000	12E	11S	48	15	1	3	0.10	4	10	2	1	0.16	25	3	6	2	95.9

NEA-IAEA ATHABASCA BASIN - WOLLASTON LAKE TEST AREA
PEAT, SURFACE ORGANIC MATERIALS AND INORGANIC CLASTIC SEDIMENTS - GEOCHEMICAL DATA

MAP SHEET	SAMPLE NUMBER	UTM COORDINATES ZN EAST	GRID LOCATION 100FT	SAMPLE TYPE	SAMPLE		SOIL HOR COL	U PPM	ZN PPM	CU PPM	PB PPM	NI PPM	CO PPM	FE PCT	MN PPM	MO PPM	V PPM	AS PPM	LOI PCT
					CH	CM													
64L	801056	13 567800 6458000	12E 11S	71	63	10	1	3 0.10	9	5	0	2	1	0.14	22	3	6	1	95.5
64L	801057	13 567800 6458000	12E 12S	71	0	25	1	3 0.10	7	2	0	2	1	0.55	3	3	6	1	96.2
64L	801058	13 567800 6458000	12E 12S	71	25	12	1	3 0.10	7	3	1	1	1	0.13	6	2	4	1	98.8
64L	801059	13 567800 6458000	12E 12S	71	37	8	1	3 0.10	9	4	1	2	1	0.14	17	2	7	1	98.0
64L	801060	13 567800 6458000	12E 12S	71	45	10	1	3 0.10	14	4	1	4	1	0.16	20	2	5	1	97.9
64L	801062	13 567800 6458000	12E 12S	71	55	12	1	3 0.10	14	4	0	3	1	0.21	27	4	5	1	98.2
64L	801063	13 567800 6458000	12E 12S	71	67	11	1	3 0.10	13	4	2	2	1	0.23	32	3	3	1	98.1
64L	801064	13 567800 6458000	12E 12S	71	78	10	1	3 0.10	11	3	2	2	1	0.26	33	2	3	1	98.0
64L	801065	13 567800 6458000	12E 12S	71	88	7	1	3 0.10	14	2	1	3	1	0.35	45	4	4	1	98.0
64L	801066	13 567800 6458000	12E 12S	71	95	10	1	3 0.10	14	2	1	3	1	0.40	48	3	4	1	98.7
64L	801067	13 567800 6458000	12E 12S	71	105	10	1	3 0.10	14	4	2	2	1	0.38	43	3	4	2	97.6
64L	801068	13 567800 6458000	12E 12S	71	115	10	1	3 0.10	11	4	1	3	1	0.37	37	4	4	1	97.8
64L	801069	13 567800 6458000	12E 13S	71	0	25	1	3 0.05	21	4	3	4	1	0.07	82	1	5	1	98.6
64L	801070	13 567800 6458000	12E 13S	71	25	15	1	3 0.05	17	2	2	3	1	0.20	18	2	7	1	97.9
64L	801071	13 567800 6458000	12E 13S	71	40	8	1	3 0.10	12	3	1	1	1	0.12	6	2	6	1	97.9
64L	801072	13 567800 6458000	12E 13S	71	48	9	1	3 0.10	11	2	1	4	1	0.13	7	3	8	1	98.7
64L	801074	13 567800 6458000	12E 13S	71	57	10	1	3 0.10	9	2	0	1	1	0.15	16	1	8	1	99.0
64L	801075	13 567800 6458000	12E 13S	71	67	10	1	3 0.05	7	2	1	3	1	0.19	14	1	8	1	99.0
64L	801076	13 567800 6458000	12E 13S	71	77	12	1	3 0.10	5	3	1	3	1	0.16	13	2	7	1	97.3
64L	801077	13 567800 6458000	12E 13S	71	89	10	1	3 0.05	5	3	5	1	1	0.20	16	1	7	1	97.4
64L	801078	13 567800 6458000	12E 14S	71	0	20	1	3 0.10	19	3	3	1	1	0.04	55	3	8	1	99.1
64L	801079	13 567800 6458000	12E 14S	71	20	6	1	3 0.10	20	4	5	2	2	0.38	16	3	5	1	96.0
64L	801080	13 567800 6458000	12E 14S	71	26	8	1	3 0.30	23	2	1	3	1	0.86	12	3	7	1	96.0
64L	801082	13 567800 6458000	12E 14S	71	34	10	1	3 0.30	20	4	2	2	1	0.97	9	2	7	1	96.7
64L	801083	13 567800 6458000	12E 14S	71	44	4	1	3 1.70	15	4	1	2	1	0.68	25	3	10	1	94.4
64L	801085	13 567800 6458000	12E 15S	71	0	10	1	3 0.60	16	2	4	3	1	0.02	7	3	4	1	99.4
64L	801086	13 567800 6458000	12E 15S	71	10	10	1	3 0.10	14	2	1	1	1	0.01	2	3	6	1	99.6
64L	801087	13 567800 6458000	12E 15S	71	20	5	1	3 0.30	14	4	2	3	1	0.20	6	2	6	1	95.5
64L	801088	13 567800 6458000	12E 17S	70	0	3	0	7 1.50	45	6	8	4	1	0.12	380	3	8	1	93.0
64L	801089	13 567800 6458000	12E 19S	70	0	3	0	7 0.70	52	8	10	4	1	0.08	255	4	10	1	92.1
64L	801090	13 567800 6458000	12E 21S	70	0	3	0	7 1.50	22	9	8	3	1	0.14	85	2	10	1	79.0
64L	801091	13 567800 6458000	12E 23S	70	0	5	0	3 1.00	18	7	7	2	1	0.11	110	3	10	1	74.0
64L	801092	13 567800 6458000	12E 25S	70	0	5	0	3 0.50	20	5	6	2	1	0.15	68	2	10	1	92.5
64L	801093	13 567800 6458000	12E 27S	71	0	5	1	3	26	6	6	2	1	0.17	150	3	7	1	93.5
64L	801094	13 567800 6458000	12E 27S	71	5	5	1	7 1.00	19	7	5	2	2	0.28	18	3	9	1	90.0
64L	801095	13 567800 6458000	12E 29S	70	0	3	0	7 1.60	33	8	7	4	2	0.35	49	2	10	1	83.5
64L	801096	13 567800 6458000	12E 33S	70	0	2	0	7 0.90	16	7	10	3	1	0.10	56	3	9	1	90.0
64L	801097	13 567800 6458000	12E 31S	70	0	2	0	7 1.60	36	9	10	4	1	0.18	130	3	5	2	50.0
64L	801098	13 567800 6458000	8E 33S	70	0	2	0	7 1.00	31	9	6	4	1	0.16	50	3	10	2	77.0
64L	801099	13 567800 6458000	8E 33S	90	0	2	0	1.50	20	4	1	2	1	0.01	207	2	5	1	95.3
64L	801100	13 567800 6458000	8E 31S	70	0	2	0	7 0.60	20	8	7	5	1	0.14	28	3	10	1	85.2
64L	801102	13 567800 6458000	8E 29S	70	0	2	0	7 1.10	17	5	8	2	1	0.15	34	2	8	1	88.1
64L	801103	13 567800 6458000	8E 29S	90	0	2	0	2.20	29	9	44	1	1	0.01	223	1	6	1	97.2
64L	801104	13 567800 6458000	8E 27S	70	0	2	0	7 0.50	26	8	14	2	1	0.16	83	1	8	1	91.5
64L	801105	13 567800 6458000	8E 25S	90	0	3	0	2.50	25	6	10	1	1	0.01	340	1	5	1	96.3
64L	801106	13 567800 6458000	8E 25S	70	0	3	0	7 1.10	17	8	10	4	1	0.17	95	3	10	1	84.2
64L	801107	13 567800 6458000	8E 23S	70	0	3	0	7 0.80	24	6	8	3	1	0.15	95	2	10	2	66.2
64L	801108	13 567800 6458000	8E 21S	90	0	3	0	1.80	30	7	1	4	1	0.01	280	3	4	1	96.2
64L	801109	13 567800 6458000	8E 21S	70	0	2	0	7 0.70	31	6	8	2	2	0.21	176	2	6	1	94.4
64L	801110	13 567800 6458000	8E 19S	70	0	2	0	7 0.60	22	9	7	5	1	0.12	66	2	10	1	85.2

NEA-IAEA ATHABASCA BASIN - WOLLASTON LAKE TEST AREA
PEAT, SURFACE ORGANIC MATERIALS AND INORGANIC CLASTIC SEDIMENTS - GEOCHEMICAL DATA

MAP SHEET	SAMPLE NUMBER	UTM COORDINATES	GRID LOCATION	SAMPLE TYPE	SAMPLE DEP CM	SAMPLE THK CM	SOIL HDR	U COL PPM	ZN PPM	CU PPM	PB PPM	NI PPM	CO PPM	FE PCT	MN PPM	MO PPM	V PPM	AS PPM	LOI PCT
64L	801111	13 567800 6458000	8E 17S	90	0	4	0	1.40	25	7	1	3	1	0.01	295	2	3	1	97.3
64L	801112	13 567800 6458000	8E 17S	70	0	4	0	7 0.50	36	9	6	5	1	0.10	210	2	10	1	86.9
64L	801113	13 567800 6458000	8E 17S	70	0	2	0	7 0.80	16	8	6	3	1	0.12	70	3	10	1	69.6
64L	801114	13 567800 6458000	8E 14S	90	0	2	0	2.00	26	7	1	1	1	0.01	260	1	8	1	97.0
64L	801115	13 567800 6458000	8E 14S	70	0	2	0	7 0.70	34	9	7	2	1	0.14	92	3	13	1	86.1
64L	801116	13 567800 6458000	8E 13S	70	0	2	0	7 0.80	29	8	10	2	1	0.14	120	4	10	2	65.8
64L	801117	13 567800 6458000	8E 12S	90	0	3	0	1.50	26	6	2	2	1	0.01	248	2	5	2	97.3
64L	801118	13 567800 6458000	8E 12S	70	0	3	0	7 0.80	19	10	10	4	1	0.20	77	3	10	1	83.7
64L	801119	13 567800 6458000	8E 11S	71	0	5	1	3 0.90	39	7	20	4	1	0.15	100	2	8	2	94.1
64L	801122	13 567800 6458000	8E 11S	71	5	15	1	3 0.10	18	3	1	2	1	0.04	8	4	5	2	99.5
64L	801123	13 567800 6458000	8E 10S	90	0	30	1	2.30	23	5	2	4	1	0.01	1650	3	7	2	97.0
64L	801125	13 567800 6458000	8E 10S	71	30	11	1	3 0.10	16	3	2	2	2	0.03	165	3	5	1	99.2
64L	801126	13 567800 6458000	8E 10S	71	41	8	1	3 0.40	26	3	1	4	2	0.26	62	2	5	1	93.7
64L	801127	13 567800 6458000	8E 10S	71	49	13	1	3 0.30	16	4	1	4	1	0.34	13	4	7	2	95.7
64L	801128	13 567800 6458000	8E 10S	71	62	5	1	7 0.10	7	4	1	2	1	0.06	3	3	5	2	96.9
64L	801129	13 567800 6458000	8E 10S	73	67	10	1	7 0.20	6	2	1	3	1	0.05	4	4	8	2	96.5
64L	801130	13 567800 6458000	8E 10S	73	67	10	1	7 0.20	6	2	1	3	1	0.07	9	3	5	1	97.0
64L	801131	13 567800 6458000	8E 9S	71	0	16	1	3 0.60	27	2	2	2	2	0.14	103	2	3	1	97.7
64L	801132	13 567800 6458000	8E 9S	71	16	11	1	3 0.30	24	2	2	1	1	0.19	79	4	4	1	98.2
64L	801133	13 567800 6458000	8E 9S	71	27	10	1	6 0.40	12	4	3	2	1	0.13	13	3	4	1	97.8
64L	801134	13 567800 6458000	8E 9S	71	37	16	1	6 0.10	8	3	2	4	1	0.11	14	2	5	1	98.4
64L	801135	13 567800 6458000	8E 9S	71	53	10	1	6 0.20	6	4	2	2	1	0.16	21	1	4	1	97.8
64L	801136	13 567800 6458000	8E 9S	73	63	10	1	7 0.30	4	3	2	2	1	0.13	13	4	5	1	98.6
64L	801137	13 567800 6458000	8E 9S	73	73	10	1	7 0.40	5	3	1	2	1	0.20	23	1	7	1	98.0
64L	801138	13 567800 6458000	8E 8S	90	0	20	1	2.80	33	6	5	6	1	0.01	1250	2	3	1	96.2
64L	801139	13 567800 6458000	8E 8S	71	0	20	1	3 0.10	12	2	2	2	1	0.02	18	1	4	1	99.5
64L	801140	13 567800 6458000	8E 8S	71	20	12	1	3 0.10	8	2	2	1	1	0.26	15	2	5	1	97.8
64L	801142	13 567800 6458000	8E 8S	71	32	11	1	3 0.10	6	2	1	2	1	0.09	17	1	3	1	98.2
64L	801143	13 567800 6458000	8E 8S	71	43	14	1	3 0.10	4	2	1	3	1	0.14	15	2	4	1	98.0
64L	801144	13 567800 6458000	8E 8S	71	57	9	1	3 0.10	5	2	2	2	1	0.26	30	2	5	1	98.5
64L	801145	13 567800 6458000	8E 8S	71	66	10	1	3 0.10	5	3	2	2	1	0.28	27	2	5	1	97.3
64L	801146	13 567800 6458000	8E 8S	71	76	11	1	3 0.10	3	2	2	2	1	0.37	34	2	4	1	98.1
64L	801147	13 567800 6458000	8E 8S	71	87	10	1	3 0.10	4	2	0	2	1	0.35	33	1	3	1	98.9
64L	801148	13 567800 6458000	8E 8S	71	97	12	1	3 0.10	3	2	0	2	1	0.24	21	2	2	1	98.7
64L	801149	13 567800 6458000	8E 8S	72	109	11	1	6 0.10	5	4	2	4	1	0.39	30	1	4	1	97.9
64L	801151	13 567800 6458000	8E 8S	72	120	11	1	6 0.10	4	5	1	6	1	0.44	30	2	5	1	96.7
64L	801152	13 567800 6458000	8E 8S	72	131	10	1	6 0.10	4	3	1	1	1	0.53	22	4	5	1	98.2
64L	801153	13 567800 6458000	8E 8S	72	141	11	1	6 0.10	3	5	1	2	1	0.47	36	2	6	1	97.6
64L	801154	13 567800 6458000	8E 8S	72	152	7	1	6 0.20	6	5	1	2	1	0.65	40	1	5	1	97.1
64L	801155	13 567800 6458000	8E 8S	73	159	8	1	7 0.10	4	5	2	4	1	0.61	40	1	8	1	97.3
64L	801156	13 567800 6458000	8E 8S	73	167	8	1	7 0.20	5	6	1	4	1	0.63	43	1	6	1	97.5
64L	801157	13 567800 6458000	8E 8S	73	175	7	1	7 0.30	7	7	2	4	1	0.61	40	1	6	1	97.3
64L	801158	13 567800 6458000	8E 7S	90	0	25	1	2.80	25	6	6	5	1	0.01	1300	2	3	1	96.8
64L	801159	13 567800 6458000	8E 7S	71	0	25	1	3 0.10	19	1	2	2	1	0.04	215	3	3	1	97.8
64L	801160	13 567800 6458000	8E 7S	71	25	10	1	3 0.10	20	1	4	1	1	0.42	63	2	5	1	96.4
64L	801162	13 567800 6458000	8E 7S	71	35	11	1	3 0.10	7	2	2	1	1	0.06	20	2	5	1	97.2
64L	801163	13 567800 6458000	8E 7S	71	46	11	1	3 0.10	4	2	2	2	1	0.11	13	2	5	1	97.7
64L	801164	13 567800 6458000	8E 7S	71	57	11	1	3 0.10	5	1	1	3	1	0.18	14	3	8	1	98.7
64L	801165	13 567800 6459000	8E 7S	71	68	12	1	3 0.10	6	1	0	2	1	0.20	16	1	8	1	98.1
64L	801166	13 567800 6458000	8E 7S	71	80	13	1	3 0.10	4	1	2	3	1	0.19	12	2	10	1	99.2

NEA-IAEA ATHABASCA BASIN - WOLLASTON LAKE TEST AREA
PEAT, SURFACE ORGANIC MATERIALS AND INORGANIC CLASTIC SEDIMENTS - GEOCHEMICAL DATA

NAP SHEET	SAMPLE NUMBER	UTM COORDINATES ZN EAST	GRID LOCATION 100FT 100FT	SAMPLE TYPE	SAMPLE DEP THK CM	SAMPLE CM	SOIL HOR COL	U PPM	ZN PPM	CU PPM	PB PPM	NI PPM	CO PPM	FE PCT	MN PPM	MO PPM	V PPM	AS PPM	LOI PCT
64L	801167	13 567800	6458000	75	93	11	1	6 0.10	10	5	0	5	1	0.16	13	3	11	1	97.7
64L	801168	13 567800	6458000	75	104	12	1	6 0.10	10	3	4	5	1	0.16	10	3	5	3	97.1
64L	801169	13 567800	6458000	75	116	11	1	6 0.10	3	6	0	4	1	0.20	13	3	10	1	98.0
64L	801170	13 567800	6458000	75	127	11	1	6 0.70	4	8	0	3	1	0.24	17	2	12	1	97.7
64L	801171	13 567800	6458000	75	138	5	1	6 0.50	5	8	1	2	2	0.26	20	2	9	1	97.0
64L	801172	13 567800	6458000	75	143	5	1	6 0.60	3	7	1	6	1	0.27	18	1	8	1	96.7
64L	801173	13 567800	6458000	65				1.60	32	7	2	6	1	0.01	1200	1	2	1	95.4
64L	801174	13 567800	6458000	65	0	20	1	3 0.10	14	3	7	3	1	0.05	81	1	3	1	94.0
64L	801176	13 567800	6458000	65	20	8	1	6 0.10	6	2	2	2	1	0.20	5	2	3	1	97.3
64L	801177	13 567800	6458000	65	28	8	1	6 0.40	6	3	1	2	1	0.20	5	2	5	1	96.2
64L	801178	13 567800	6458000	65	36	9	1	7 1.30	5	4	0	2	1	0.10	5	1	10	1	52.2
64L	801179	13 567800	6458000	65	45	7	8	9 0.70	2	1	0	2	1	0.02	1	1	2	1	3.5
64L	801180	13 567800	6458000	85				1.90	29	5	2	2	1	0.01	1600	1	2	1	95.9
64L	801182	13 567800	6458000	55	0	20	1	3 0.10	14	2	4	2	1	0.01	68	1	4	1	96.9
64L	801183	13 567800	6458000	55	20	10	1	3 0.10	20	2	5	2	1	0.16	52	2	5	1	89.5
64L	801184	13 567800	6458000	55	30	6	1	6 0.10	21	3	4	4	2	0.21	39	3	5	1	95.9
64L	801185	13 567800	6458000	55	36	8	1	6 1.30	9	2	4	4	1	0.14	5	3	6	1	91.3
64L	801186	13 567800	6458000	35				2.70	31	5	3	4	1	0.01	650	2	4	1	96.2
64L	801187	13 567800	6458000	35	0	2	0	7 0.70	33	6	5	3	1	0.15	39	1	5	1	62.4
64L	801188	13 567800	6458000	15	0	20	1	3 0.10	16	4	2	1	1	0.02	100	2	4	1	99.2
64L	801189	13 567800	6458000	15	20	5	1	8 0.40	14	5	3	2	2	0.17	21	1	5	1	95.8
64L	801190	13 567800	6458000	1N				2.60	32	6	1	4	1	0.01	710	2	2	1	96.7
64L	801191	13 567800	6458000	1N	0	3	0	8 0.50	20	5	7	6	1	0.16	50	2	6	1	85.0
64L	801192	13 567800	6458000	3N	0	2	0	8 0.40	15	5	6	2	1	0.12	42	1	5	1	59.3
64L	801193	13 567800	6458000	5N	0			1.50	30	6	1	4	1	0.01	1150	2	2	1	96.8
64L	801194	13 567800	6458000	5N	0	20	1	3 0.10	16	3	2	2	1	0.03	152	2	4	1	98.5
64L	801196	13 567800	6458000	5N	20	10	1	3 0.10	27	3	0	3	1	0.04	73	3	5	1	97.6
64L	801197	13 567800	6458000	5N	30	6	1	3 0.10	21	3	0	2	1	0.04	61	3	5	1	98.5
64L	801198	13 567800	6458000	5N	36	10	1	3 0.10	20	2	0	4	1	0.04	37	2	4	1	98.7
64L	801199	13 567800	6458000	5N	46	7	1	3 0.10	23	2	0	4	1	0.09	15	2	3	1	96.5
64L	801200	13 567800	6458000	5N	53	10	1	3 0.10	16	2	2	4	1	0.14	5	3	5	1	97.8
64L	801202	13 567800	6458000	5N	63	9	1	3 0.20	7	3	1	4	1	0.14	4	3	5	1	95.4
64L	801203	13 567800	6458000	7N				2.30	40	7	0	3	1	0.01	1400	2	2	1	96.8
64L	801204	13 567800	6458000	7N	0	20	1	3 0.10	22	3	2	5	1	0.04	55	3	3	1	99.2
64L	801205	13 567800	6458000	7N	20	10	1	3 0.10	12	2	2	0	2	0.18	12	2	8	1	97.7
64L	801206	13 567800	6458000	7N	30	9	1	6 0.10	6	4	0	0	1	0.10	5	1	8	1	91.5
64L	801207	13 567800	6458000	7N	39	6	1	6 0.30	6	5	0	0	1	0.09	7	1	10	1	96.2
64L	801208	13 567800	6458000	7N	45	14	1	6 0.40	8	6	0	0	1	0.13	13	2	10	1	96.8
64L	801209	13 567800	6458000	7N	59	11	1	7 0.50	4	6	1	1	1	0.14	13	2	10	1	97.1
64L	801211	13 567800	6458000	7N	70	9	1	7 0.70	8	7	1	1	2	0.22	21	2	10	1	96.6
64L	801212	13 567800	6458000	7N	79	7	1	7 0.60	8	8	0	2	2	0.28	26	3	10	1	97.2
64L	801213	13 567800	6458000	7N	86	10	1	7 1.00	10	9	0	2	2	0.30	32	3	12	1	95.8
64L	801214	13 567800	6458000	7N	96	5	1	7 1.20	8	7	2	2	2	0.30	34	3	10	1	96.6
64L	801215	13 567800	6458000	9N				3 0.30	10	1	2	0	1	0.06	22	2	6	1	98.2
64L	801216	13 567800	6458000	9N	0	20	1	3 0.10	9	2	1	0	2	0.06	27	2	6	1	98.2
64L	801217	13 567800	6458000	9N	20	10	1	3 0.10	4	1	1	0	2	0.24	11	3	7	1	98.1
64L	801218	13 567800	6458000	9N	30	10	1	3 0.40	7	4	0	0	2	0.74	23	3	13	1	84.7
64L	801219	13 567800	6458000	9N	40	10	1	7 1.70	6	8	2	2	2	0.40	60	2	14	1	73.0
64L	801220	13 567800	6458000	9N	50	10	1	7 2.20	6	8	0	1	2	0.45	79	3	11	2	70.0
64L	801222	13 567800	6458000	9N	60	14	1	7 1.40	8	6	1	2	2	0.73	135	2	10	1	86.2
64L	801222	13 567800	6458000	9N	74	15	1	7 1.40	8	6	1	2	2	0.73	135	2	10	1	86.2

NEA-IAEA ATHABASCA BASIN - WOLLASTON LAKE TEST AREA
PEAT, SURFACE ORGANIC MATERIALS AND INORGANIC CLASTIC SEDIMENTS - GEOCHEMICAL DATA

MAP SHEET	SAMPLE NUMBER	UTM ZN	EAST	NORTH	GRID LOCATION 100FT	SAMPLE TYPE	SAMPLE		SOIL HOR	COL	U PPM	ZN PPM	CU PPM	PB PPM	NI PPM	CO PPM	FE PCT	MN PPM	MO PPM	V PPM	AS PPM	LOI PCT
							CM	THK														
64L	801223	13	567800	6458000	8E	9N	89	9	1	7	1.20	14	8	1	2	2	0.85	177	2	8	1	89.5
64L	801224	13	567800	6458000	8E	9N	98	9	1	7	2.10	15	9	1	2	2	0.67	144	3	7	2	73.0
64L	801225	13	567800	6458000	8E	9N	107	12	1	7	2.10	16	11	1	2	3	0.62	142	2	7	2	73.8
64L	801226	13	567800	6458000	8E	9N	119	10	1	7	2.00	20	9	2	3	2	0.69	154	2	7	2	67.7
64L	801227	13	567800	6458000	8E	9N	129	6	1	7	2.40	18	8	1	4	2	0.63	145	2	6	1	63.1
64L	801228	13	567800	6458000	8E	9N	135	5	1	7	2.20	25	9	1	4	3	0.62	160	2	6	1	65.8
64L	801229	13	567800	6458000	8E	10N					1.60	30	6	2	2	1	0.01	1120	2	2	1	96.1
64L	801230	13	567800	6458000	8E	10N	0	15	1	7	0.50	11	2	1	0	3	1.90	47	2	6	1	89.9
64L	801231	13	567800	6458000	8E	10N	15	10	1	7	2.20	7	8	0	3	2	1.12	47	2	5	1	77.3
64L	801232	13	567800	6458000	8E	10N	25	8	1	7	2.80	11	12	1	5	2	0.30	115	3	10	2	69.2
64L	801233	13	567800	6458000	8E	10N	33	13	1	7	2.00	10	8	1	2	1	0.22	83	2	4	1	61.0
64L	801234	13	567800	6458000	8E	10N	46	11	1	7	2.60	9	9	2	3	2	0.26	84	2	6	1	61.7
64L	801235	13	567800	6458000	8E	10N	57	10	1	7	2.60	9	10	2	4	2	0.26	81	3	7	2	42.5
64L	801236	13	567800	6458000	8E	10N	67	9	1	7	2.00	9	8	2	2	2	0.18	51	3	7	1	36.5
64L	801237	13	567800	6458000	8E	10N	76	13	1	7	3.10	9	10	2	2	2	0.23	62	2	6	1	42.6
64L	801238	13	567800	6458000	8E	10N	89	10	1	7	3.10	12	8	3	1	2	0.20	45	3	5	2	32.3
64L	801240	13	567800	6458000	8E	10N	99	8	8	9	1.90	9	4	0	2	2	0.12	24	2	4	2	7.2
64L	801242	13	567800	6458000	8E	11N					1.50	26	5	2	0	1	0.01	1250	2	3	1	96.6
64L	801243	13	567800	6458000	8E	11N	0	17	1	3	0.10	15	2	3	0	2	0.05		1	5	1	98.4
64L	801244	13	567800	6458000	8E	11N	17	13	1	3	0.30	3	6	1	0	1	0.25	5	7	5	1	95.0
64L	801245	13	567800	6458000	8E	11N	30	10	1	7	1.40	4	8	1	0	2	0.61	29	4	7	1	90.0
64L	801246	13	567800	6458000	8E	11N	40	13	1	7	2.10	6	12	2	3	2	0.47	52	3	8	1	72.2
64L	801247	13	567800	6458000	8E	11N	53	7	1	7	2.00	4	7	1	1	2	0.25	40	2	6	1	49.8
64L	801248	13	567800	6458000	8E	11N	60	8	1	7	2.00	6	7	1	0	2	0.20	32	1	5	1	41.3
64L	801249	13	567800	6458000	8E	12N					1.30	28	7	2	0	1	0.01	1390	1	4	1	96.2
64L	801250	13	567800	6458000	8E	12N	0	10	1	3	0.10	26	3	2	1	2	0.04		2	2	2	99.2
64L	801252	13	567800	6458000	8E	12N	10	10	1	8	1.30	6	3	1	2	2	0.52	15	1	8	1	74.5
64L	801253	13	567800	6458000	8E	12N	20	7	1	8	1.40	5	3	2	1	2	0.66	8	1	7	1	72.5
64L	801254	13	567800	6458000	8E	12N	27	8	1	8	1.60	4	3	1	1	2	0.30	13	2	5	1	72.1
64L	801255	13	567800	6458000	8E	12N	35	8	1	8	1.90	4	2	0	1	1	0.18	10	0	6	1	53.8
64L	801256	13	567800	6458000	8E	13N					2.40	32	8	2	2	2	0.02	1350	1	2	1	95.8
64L	801257	13	567800	6458000	8E	13N	0	10	1	3	0.20	31	3	7	1	2	0.04	207	2	4	1	98.0
64L	801258	13	567800	6458000	8E	13N	10	10	1	6	0.10	30	3	7	2	2	0.30	210	1	4	1	97.0
64L	801259	13	567800	6458000	8E	14N	0	15	1	3	0.30	27	2	2	2	2	0.50	112	1	5	1	98.3
64L	801260	13	567800	6458000	8E	15N					2.10	29	6	2	0	2	0.01	1300	2	3	1	97.4
64L	801262	13	567800	6458000	8E	15N	0	25	1	3	0.10	24	3	5	1	2	1.40	140	0	2	1	96.0
64L	801263	13	567800	6458000	8E	15N	25	10	1	8	1.00	9	4	1	2	2	1.00	20	1	3	1	89.8
64L	801264	13	567800	6458000	8E	16N					2.10	31	6	1	2	2	0.01	1315	1	3	1	97.1
64L	801265	13	567800	6458000	8E	16N	0	20	1	3	0.10	11	2	4	1	2	0.04		2	3	1	98.7
64L	801266	13	567800	6458000	8E	16N	20	5	1	7	0.10	21	2	2	1	2	0.71	103	2	10	1	96.5
64L	801267	13	567800	6458000	8E	16N	25	10	1	7	0.80	20	5	7	1	2	1.20	1900	2	4	1	94.3
64L	801269	13	567800	6458000	8E	18N					2.00	28	3	1	0	2	0.04		2	1	1	96.6
64L	801270	13	567800	6458000	8E	18N	0	20	1	3	0.10	22	3	2	0	2	0.20	55	2	7	1	98.7
64L	801271	13	567800	6458000	8E	18N	20	7	1	7	0.10	26	3	1	0	3	1.45		1	10	1	95.8
64L	801272	13	567800	6458000	8E	18N	27	7	1	7	0.10	17	3	2	1	2	2.00	49	2	7	1	95.5
64L	801273	13	567800	6458000	8E	18N	34	10	1	7	0.10	18	4	2	0	1	0.06	120	1	3	2	98.2
64L	801274	13	567800	6458000	8E	20N	0	15	1	3	0.10	26	2	3	0	1	1.60	151	2	4	1	95.4
64L	801275	13	567800	6458000	8E	20N	15	5	1	6	0.40	19	2	3	1	1	1.75	59	2	3	1	94.5
64L	801276	13	567800	6458000	8E	20N	20	10	1	7	0.10	12	2	3	1	2	1.60	19	2	6	1	95.8
64L	801277	13	567800	6458000	8E	20N	30	10	1	7	0.10	12	4	1	1	2	1.60		2	6	1	95.8

NEA-IAEA ATHABASCA BASIN - WOLLASTON LAKE TEST AREA
PEAT, SURFACE ORGANIC MATERIALS AND INORGANIC CLASTIC SEDIMENTS - GEOCHEMICAL DATA

MAP SHEET	SAMPLE NUMBER	UTM ZN	UTM EAST	COORDINATES NORTH	GRID LOCATION 100FT	SAMPLE TYPE	SAMPLE DEP CM	SAMPLE THK CM	SOIL HOR	U COL	ZN PPM	CU PPM	PB PPM	NI PPM	CO PPM	FE PCT	MN PPM	MO PPM	V PPM	AS PPM	LOI PCT
64L	801278	13	567800	6458000	8E	22N	90	0	12	1	1.90	6	2	1	1	0.01	860	2	1	1	96.6
64L	801279	13	567800	6458000	8E	22N	71	12	15	1	3 0.40	2	2	0	1	0.13	196	2	2	1	98.5
64L	801280	13	567800	6458000	8E	22N	71	12	15	1	6 0.10	2	4	0	1	1.20	100	2	3	1	96.5
64L	801282	13	567800	6458000	8E	22N	72	27	5	1	7 0.10	3	4	1	2	1.10	95	2	2	1	94.9
64L	801283	13	567800	6458000	8E	22N	72	32	5	1	6 0.10	2	4	1	2	0.71	69	2	4	1	96.4
64L	801284	13	567800	6458000	8E	22N	72	37	8	1	6 0.20	3	1	1	1	0.50	40	3	6	1	96.2
64L	801285	13	567800	6458000	8E	22N	72	45	9	1	6 0.10	3	0	0	1	0.50	23	4	5	1	96.5
64L	801287	13	567800	6458000	8E	22N	72	54	12	1	6 0.70	4	0	1	1	0.66	21	3	9	1	95.4
64L	801288	13	567800	6458000	8E	22N	73	66	8	1	6 0.80	8	0	0	1	0.73	26	2	10	1	95.4
64L	801289	13	567800	6458000	8E	22N	73	74	11	1	6 2.00	8	0	1	1	0.90	35	2	28	1	94.0
64L	801290	13	567800	6458000	8E	24N	71	0	20	1	3 0.10	2	2	1	1	0.04	40	2	4	1	98.4
64L	801291	13	567800	6458000	8E	24N	71	20	10	1	3 0.10	1	2	0	1	0.22	5	2	4	1	98.4
64L	801292	13	567800	6458000	8E	24N	71	30	9	1	3 0.10	1	0	1	1	0.41	12	3	4	8	98.7
64L	801293	13	567800	6458000	8E	24N	71	39	10	1	3 0.10	3	0	0	2	0.85	20	3	3	1	98.6
64L	801294	13	567800	6458000	8E	24N	71	49	11	1	3 0.10	3	1	0	1	0.66	20	2	2	1	96.6
64L	801295	13	567800	6458000	8E	24N	71	60	8	1	3 0.10	3	0	0	1	0.48	13	4	5	1	96.1
64L	801296	13	567800	6458000	8E	24N	71	68	9	1	3 0.50	2	0	1	2	0.80	21	4	4	1	96.1
64L	801297	13	567800	6458000	8E	24N	71	77	9	1	3 0.50	3	0	0	2	0.01	900	3	6	1	96.5
64L	801298	13	567800	6458000	8E	26N	90	0	20	1	3 0.10	1	3	0	2	1.85	32	2	2	2	96.7
64L	801299	13	567800	6458000	8E	26N	71	20	13	1	3 0.10	1	2	1	1	0.82	34	1	5	1	96.1
64L	801300	13	567800	6458000	8E	26N	71	33	10	1	6 0.10	2	1	1	2	0.78	50	1	4	1	97.6
64L	801303	13	567800	6458000	8E	26N	72	43	9	1	6 0.10	2	1	1	1	0.60	35	2	7	1	96.3
64L	801304	13	567800	6458000	8E	26N	72	52	10	1	7 0.10	2	1	1	1	0.24	18	2	8	1	97.9
64L	801305	13	567800	6458000	8E	26N	73	62	11	1	7 1.20	4	1	2	2	0.57	33	3	20	2	92.7
64L	801306	13	567800	6458000	8E	26N	73	62	11	1	1.40	5	2	1	1	0.01	1140	1	1	1	96.5
64L	801307	13	567800	6458000	8E	28N	90	0	20	1	3 0.10	3	1	0	1	0.03	10	1	1	1	99.3
64L	801308	13	567800	6458000	8E	28N	71	20	9	1	3 0.10	1	1	1	1	0.03	5	2	2	1	99.6
64L	801309	13	567800	6458000	8E	28N	71	29	10	1	3 0.10	1	1	1	1	0.30	3	2	1	1	99.2
64L	801310	13	567800	6458000	8E	28N	71	39	10	1	3 0.10	1	1	1	1	1.40	5	2	2	1	97.0
64L	801311	13	567800	6458000	8E	28N	71	49	9	1	3 0.10	1	1	0	1	0.68	5	2	3	1	98.1
64L	801312	13	567800	6458000	8E	28N	72	58	11	1	6 0.10	3	0	1	1	0.50	15	3	4	1	95.8
64L	801313	13	567800	6458000	8E	28N	72	69	13	1	6 0.30	3	0	0	1	0.50	122	3	5	2	93.0
64L	801314	13	567800	6458000	8E	28N	72	82	13	1	7 0.10	6	0	0	2	1.75	203	1	5	2	87.5
64L	801315	13	567800	6458000	8E	28N	73	91	9	1	7 0.40	16	1	1	2	1.90	121	3	4	4	87.8
64L	801316	13	567800	6458000	8E	28N	73	100	8	1	7 0.20	5	1	2	1	1.30	140	2	5	3	94.5
64L	801317	13	567800	6458000	8E	28N	73	108	10	1	7 0.20	4	0	1	2	1.60	126	4	7	5	94.2
64L	801318	13	567800	6458000	8E	28N	73	118	9	1	7 0.40	4	1	2	2	1.50	194	4	8	4	95.3
64L	801319	13	567800	6458000	8E	28N	73	127	10	1	7 1.90	7	1	2	2	1.90	193	5	10	6	91.4
64L	801320	13	567800	6458000	8E	28N	73	137	10	1	7 2.30	9	4	2	1	1.65	188	6	32	8	90.7
64L	801322	13	567800	6458000	8E	28N	73	147	8	1	7 2.30	11	2	4	1	1.60	188	5	36	9	90.5
64L	801323	13	567800	6458000	8E	28N	73	155	9	1	7 1.00	12	3	2	1	1.70	188	6	45	10	89.2
64L	801324	13	567800	6458000	8E	28N	73	164	12	1	7 2.20	10	2	2	1	1.65	175	4	50	10	89.1
64L	801325	13	567800	6458000	8E	28N	73	176	9	1	7 2.20	11	3	4	1	1.40	155	5	50	10	61.5
64L	801326	13	567800	6458000	8E	28N	73	185	5	1	7 4.00	13	4	3	2	1.50	172	6	67	10	62.9
64L	801327	13	567800	6458000	8E	28N	85	190	8	1	9 1.60	4	1	3	1	0.36	52	2	12	5	6.2
64L	801328	13	567800	6458000	12E	28N	71	0	14	1	6 0.10	4	2	1	6	8.95	720	1	3	2	77.5
64L	801329	13	567800	6458000	12E	28N	72	14	10	1	6 0.20	4	1	1	2	2.10	78	2	6	3	89.8
64L	801330	13	567800	6458000	12E	28N	72	24	9	1	6 0.10	6	1	4	2	1.55	85	2	7	2	91.7
64L	801331	13	567800	6458000	12E	28N	72	24	9	1	6 0.10	6	1	1	2	0.98	68	2	6	1	91.7
64L	801332	13	567800	6458000	12E	28N	72	24	9	1	6 0.10	6	1	1	2	0.98	68	2	6	1	91.7

NEA-IAEA ATHABASCA BASIN - WOLLASTON LAKE TEST AREA
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MAP SHEET	SAMPLE NUMBER	UTM COORDINATES ZN EAST	GRID LOCATION 100FT	SAMPLE TYPE	SAMPLE DEP CM	SAMPLE THK CM	SOIL HOR	U COL	ZN PPM	CU PPM	PB PPM	NI PPM	CO PPM	FE PCT	MN PPM	MO PPM	V PPM	AS PPM	LOI PCT
64L	801333	13 567800	12E 28N	72	42	9	1	6 0.10	19	6	0	2	1	0.91	55	1	6	1	92.0
64L	801334	13 567800	12E 28N	72	51	8	1	6 0.20	20	8	1	5	2	1.00	60	1	9	1	91.9
64L	801336	13 567800	12E 28N	72	59	7	1	6 0.30	18	7	0	4	1	1.90	53	2	8	1	93.3
64L	801337	13 567800	12E 28N	72	66	5	1	6 0.30	18	7	1	5	1	1.00	53	4	9	1	93.9
64L	801338	13 567800	12E 26N	71	0	20	1	3 0.10	12	4	2	1	1	0.75	36	2	6	1	95.8
64L	801339	13 567800	12E 26N	71	20	12	1	6 0.10	9	4	2	2	1	0.61	45	1	6	1	94.3
64L	801340	13 567800	12E 26N	71	32	10	1	6 0.10	4	3	1	3	1	0.54	35	3	7	1	94.5
64L	801342	13 567800	12E 26N	71	42	13	1	3 0.10	6	5	1	3	1	0.58	33	1	8	1	95.0
64L	801343	13 567800	12E 26N	72	55	10	1	6 0.10	6	4	1	2	1	0.60	38	2	8	1	95.2
64L	801344	13 567800	12E 26N	72	65	10	1	6 0.10	5	4	0	3	1	0.72	40	3	5	1	95.9
64L	801345	13 567800	12E 26N	72	75	10	1	6 0.20	5	4	1	5	1	0.60	37	2	5	1	94.3
64L	801346	13 567800	12E 26N	72	85	12	1	7 0.20	6	5	1	4	1	0.64	37	2	6	1	96.1
64L	801347	13 567800	12E 26N	72	97	8	1	7 0.10	3	4	1	3	1	1.20	66	3	7	1	95.4
64L	801348	13 567800	12E 26N	73	106	9	1	7 0.30	5	7	1	4	1	0.92	55	3	6	1	93.2
64L	801349	13 567800	12E 26N	73	115	9	1	7 0.30	5	9	0	5	1	0.88	51	4	10	1	92.8
64L	801350	13 567800	12E 26N	73	124	8	1	7 0.50	5	7	0	3	1	0.87	50	3	10	1	93.8
64L	801351	13 567800	12E 26N	73	132	10	1	7 0.30	5	7	0	4	1	0.89	49	3	10	1	94.5
64L	801352	13 567800	12E 26N	73	142	10	1	7 0.30	6	7	1	4	1	0.90	49	3	10	1	94.3
64L	801353	13 567800	12E 24N	71	0	15	1	3 0.50	42	4	6	2	1	0.14	410	2	5	1	97.3
64L	801355	13 567800	12E 24N	71	15	9	1	6 0.10	19	4	10	2	1	0.60	37	3	2	1	94.7
64L	801356	13 567800	12E 24N	71	24	11	1	6 0.10	8	3	2	2	1	0.55	16	4	3	1	94.7
64L	801357	13 567800	12E 24N	71	35	11	1	6 0.10	6	4	1	1	1	0.53	20	2	2	1	95.5
64L	801358	13 567800	12E 24N	71	46	14	1	6 0.10	6	4	2	2	1	0.53	26	2	2	1	95.8
64L	801359	13 567800	12E 24N	72	60	14	1	6 0.10	6	7	2	2	1	0.71	35	5	6	1	94.2
64L	801360	13 567800	12E 24N	72	74	11	1	6 0.10	5	5	1	4	1	0.60	31	2	6	1	95.2
64L	801362	13 567800	12E 22N	71	0	25	1	3 0.40	30	4	6	2	1	0.05	490	1	2	1	98.1
64L	801363	13 567800	12E 22N	71	25	14	1	6 0.10	25	4	2	0	1	2.05	113	1	3	1	93.5
64L	801364	13 567800	12E 22N	71	39	10	1	6 0.10	15	4	3	1	1	0.95	45	2	4	1	93.1
64L	801365	13 567800	12E 22N	71	49	10	1	6 0.10	9	4	1	3	1	0.82	38	2	4	1	94.7
64L	801366	13 567800	12E 22N	71	59	13	1	6 0.30	6	4	2	3	1	0.52	36	3	7	1	93.5
64L	801367	13 567800	12E 22N	72	72	10	1	6 0.30	6	4	2	2	1	0.34	39	2	6	2	94.7
64L	801368	13 567800	12E 22N	72	77	10	1	7 0.20	2	4	1	3	1	0.58	51	2	11	1	94.4
64L	801370	13 567800	12E 20N	71	87	5	1	3 0.50	4	5	2	6	1	0.44	45	3	14	1	93.3
64L	801371	13 567800	12E 20N	71	0	10	1	6 0.10	33	4	6	3	1	0.28	490	2	2	1	97.0
64L	801372	13 567800	12E 20N	72	18	11	1	6 0.10	30	3	5	2	1	0.96	152	2	2	1	95.8
64L	801373	13 567800	12E 20N	73	29	13	1	7 0.40	26	3	3	4	1	0.83	52	2	5	1	95.5
64L	801374	13 567800	12E 20N	73	42	7	1	7 0.40	11	4	2	2	1	0.61	16	2	6	1	89.3
64L	801376	13 567800	12E 18N	71	0	30	1	3 0.10	31	4	6	2	1	0.55	15	2	13	1	93.2
64L	801377	13 567800	12E 18N	71	30	10	1	6 0.10	23	3	3	1	2	0.10	136	2	2	1	98.2
64L	801378	13 567800	12E 18N	71	40	12	1	6 0.20	45	5	3	1	2	3.00	111	1	8	1	94.0
64L	801379	13 567800	12E 18N	71	52	7	1	6 1.10	16	7	2	3	2	2.83	90	1	8	1	94.1
64L	801380	13 567800	12E 16N	70	0	2	0	8 1.30	98	9	17	4	1	0.17	1350	1	6	1	76.5
64L	801382	13 567800	12E 15N	70	0	2	0	8 1.00	36	8	11	3	1	0.16	72	4	6	1	74.0
64L	801383	13 567800	12E 14N	70	0	2	0	7 1.20	41	7	12	5	1	0.20	114	1	5	1	63.4
64L	801384	13 567800	12E 13N	70	0	3	0	7 1.00	47	6	11	3	1	0.11	173	2	6	1	82.7
64L	801385	13 567800	12E 12N	71	0	20	1	3 0.20	21	3	6	2	1	0.05	48	1	4	1	96.9
64L	801386	13 567800	12E 12N	71	20	5	1	3 0.30	32	4	5	3	2	0.25	60	2	6	1	95.6
64L	801387	13 567800	12E 12N	71	25	5	1	3 0.40	27	4	4	1	2	0.15	50	2	6	1	95.8
64L	801388	13 567800	12E 12N	71	30	4	1	3 0.40	22	5	3	2	1	0.23	29	2	6	1	95.5

NEA-IAEA ATHABASCA BASIN - WOLLASTON LAKE TEST AREA
 PEAT, SURFACE ORGANIC MATERIALS AND INORGANIC CLASTIC SEDIMENTS - GEOCHEMICAL DATA

MAP SHEET	SAMPLE NUMBER	UTM COORDINATES		GRID LOCATION	SAMPLE TYPE	SAMPLE DEP CM	THK CM	SOIL HOR	COL	U PPM	ZN PPM	CU PPM	PB PPM	NI PPM	CO PPM	FE PCT	MN PPM	MO PPM	V PPM	AS PPM	LOI PCT	
		ZN	EAST																			
64L	801389	13	567800	6458000	12E	12N	71	0	20	1	3	0.40	21	6	1	0.13	38	1	6	1	95.0	
64L	801390	13	567800	6458000	12E	12N	71	20	6	1	3	0.50	21	4	0	0.10	22	1	4	1	97.4	
64L	801391	13	567800	6458000	12E	12N	72	26	7	1	3	0.50	13	4	0	0.14	9	2	3	1	80.7	
64L	801392	13	567800	6458000	12E	11N	71	0	15	1	7	0.40	24	5	2	0.09	47	1	6	1	96.9	
64L	801393	13	567800	6458000	12E	11N	71	15	13	1	3	0.20	10	5	1	0.30	24	1	6	1	96.2	
64L	801394	13	567800	6458000	12E	11N	72	28	11	1	7	0.40	6	7	1	0.50	30	2	6	1	95.4	
64L	801396	13	567800	6458000	12E	11N	72	39	11	1	7	0.70	4	7	1	0.32	26	2	7	1	96.7	
64L	801397	13	567800	6458000	12E	11N	72	50	9	1	7	1.00	7	8	1	0.27	27	2	9	2	95.8	
64L	801398	13	567800	6458000	12E	11N	72	59	9	1	7	1.10	8	9	1	0.22	22	1	9	1	96.5	
64L	801399	13	567800	6458000	12E	11N	72	68	13	1	7	1.40	10	10	1	0.21	28	1	10	1	96.3	
64L	801400	13	567800	6458000	12E	11N	72	81	8	1	7	1.40	11	8	1	0.20	26	1	10	1	96.0	
64L	801402	13	567800	6458000	12E	11N	72	89	9	1	7	1.40	10	10	2	0.29	28	1	10	1	96.0	
64L	801403	13	567800	6458000	12E	11N	72	98	7	1	7	2.00	9	12	7	0.21	25	1	11	1	95.9	
64L	801404	13	567800	6458000	12E	11N	72	105	10	1	7	3.30	14	14	4	0.19	24	2	15	1	92.4	
64L	801405	13	567800	6458000	12E	11N	73	115	10	1	7	3.70	12	16	2	0.22	29	1	18	2	92.3	
64L	801406	13	567800	6458000	12E	11N	73	125	10	1	7	3.00	10	19	2	0.20	28	2	35	2	93.7	
64L	801407	13	567800	6458000	12E	11N	73	135	7	1	7	3.00	12	20	3	0.17	26	2	28	4	84.4	
64L	801408	13	567800	6458000	12E	10N	71	0	15	1	3	0.10	24	7	3	0.08	26	2	4	1	98.2	
64L	801409	13	567800	6458000	12E	10N	71	15	7	1	6	0.20	18	3	7	0.28	25	1	7	1	97.0	
64L	801410	13	567800	6458000	12E	10N	72	22	9	1	7	0.40	9	4	1	0.34	10	1	7	3	96.6	
64L	801411	13	567800	6458000	12E	10N	72	31	8	1	7	0.80	7	4	1	0.28	24	3	8	2	96.0	
64L	801412	13	567800	6458000	12E	10N	72	39	10	1	7	1.00	3	6	1	0.29	38	3	5	2	96.1	
64L	801414	13	567800	6458000	12E	10N	72	49	10	1	7	0.60	4	7	2	0.33	65	2	8	2	96.6	
64L	801415	13	567800	6458000	12E	10N	72	59	11	1	7	1.00	5	8	1	0.34	78	3	10	1	96.0	
64L	801416	13	567800	6458000	12E	10N	72	70	12	1	7	2.20	6	15	1	0.32	85	4	12	4	94.7	
64L	801417	13	567800	6458000	12E	10N	72	82	11	1	7	2.30	6	15	2	0.32	85	4	12	4	94.7	
64L	801418	13	567800	6458000	12E	10N	71	93	9	1	6	1.50	5	10	1	0.22	55	2	4	1	96.9	
64L	801419	13	567800	6458000	12E	10N	71	102	9	1	3	1.20	5	10	1	0.22	55	2	5	1	96.4	
64L	801420	13	567800	6458000	12E	10N	71	111	10	1	3	1.50	6	12	2	0.27	60	4	10	1	94.6	
64L	801422	13	567800	6458000	12E	10N	72	121	11	1	6	3.00	13	22	2	0.18	40	4	18	5	80.0	
64L	801423	13	567800	6458000	12E	10N	72	132	4	1	6	3.60	10	23	6	0.21	38	1	19	6	66.2	
64L	801424	13	567800	6458000	12E	10N	85	136	3	8	9	1.60	8	9	2	0.16	32	2	8	2	15.5	
64L	801425	13	567800	6458000	12E	9N	71	0	20	1	3	0.10	19	3	2	1	0.04	36	1	1	1	98.2
64L	801426	13	567800	6458000	12E	9N	72	20	9	1	6	0.70	8	6	1	0.36	16	2	6	1	94.2	
64L	801427	13	567800	6458000	12E	9N	72	29	9	1	6	0.70	5	5	1	0.30	33	1	10	1	95.9	
64L	801428	13	567800	6458000	12E	9N	71	38	11	1	6	1.20	4	7	1	0.24	39	1	11	1	96.1	
64L	801429	13	567800	6458000	12E	9N	71	49	9	1	6	0.70	4	6	1	0.32	67	1	10	1	96.7	
64L	801430	13	567800	6458000	12E	9N	71	58	11	1	6	1.10	4	7	1	0.30	88	1	9	1	96.2	
64L	801431	13	567800	6458000	12E	9N	72	69	8	1	6	3.20	5	12	1	0.35	88	2	14	1	94.7	
64L	801432	13	567800	6458000	12E	9N	72	77	11	1	6	3.10	4	15	1	0.34	88	2	10	1	93.8	
64L	801433	13	567800	6458000	12E	9N	72	88	11	1	6	2.40	4	15	1	0.34	87	1	12	1	90.0	
64L	801434	13	567800	6458000	12E	9N	72	99	10	1	6	3.10	6	16	1	0.36	90	2	12	1	88.9	
64L	801435	13	567800	6458000	12E	9N	72	109	8	1	6	2.80	6	16	1	0.36	93	2	15	1	91.7	
64L	801436	13	567800	6458000	12E	9N	72	117	9	1	6	4.70	7	16	1	0.36	98	3	12	2	90.0	
64L	801437	13	567800	6458000	12E	9N	72	126	11	1	6	5.00	6	14	1	0.33	91	3	10	3	80.9	
64L	801438	13	567800	6458000	12E	9N	72	137	10	1	6	2.60	6	16	1	0.28	76	2	10	3	90.8	
64L	801440	13	567800	6458000	12E	9N	72	147	4	1	6	2.60	7	12	1	0.26	86	2	12	2	82.8	
64L	801442	13	567800	6458000	12E	7N	71	0	22	1	3	0.10	32	3	0	0.02	410	1	4	1	98.2	
64L	801443	13	567800	6458000	12E	7N	71	22	10	1	3	0.30	11	4	1	0.50	58	1	3	1	96.0	
64L	801444	13	567800	6458000	12E	7N	72	32	10	1	6	0.40	8	5	1	0.50	59	2	7	1	93.9	

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PEAT, SURFACE ORGANIC MATERIALS AND INORGANIC CLASTIC SEDIMENTS - GEOCHEMICAL DATA

MAP SHEET	SAMPLE NUMBER	UTM COORDINATES ZN EAST	UTM COORDINATES NORTH	GRID LOCATION 100FT 100FT	SAMPLE TYPE	SAMPLE DEP THK CM	SAMPLE CM	SOIL HOR	U COL PPM	ZN PPM	CU PPM	PB PPM	NI PPM	CO PPM	FE PCT	MN PPM	HQ PPM	V PPM	AS PPM	LOI PCT
64L	801445	13	567800	6458000	7N	72	142	9	1	6	0.80	8	6	1	0.48	70	2	6	1	94.9
64L	801446	13	567800	6458000	7N	72	51	9	1	6	1.00	9	7	1	0.40	95	2	9	1	95.7
64L	801447	13	567800	6458000	7N	73	60	11	1	7	2.00	9	9	1	0.45	125	1	7	1	95.8
64L	801448	13	567800	6458000	7N	73	71	10	1	7	2.70	10	10	1	0.39	115	1	12	1	94.3
64L	801449	13	569380	6459100	71	71	0	15	1	3	0.50	44	4	2	0.83	127	1	6	1	94.0
64L	801450	13	569380	6459100	73	73	15	10	1	7	1.00	31	7	3	0.78	88	1	6	1	94.3
64L	801451	13	569380	6459100	73	73	25	6	1	7	0.50	30	4	2	0.52	72	1	7	1	96.0
64L	801452	13	569380	6459100	72	72	31	7	1	6	0.50	24	6	3	0.50	64	2	6	1	93.7
64L	801453	13	569380	6459100	72	72	38	8	1	6	0.30	16	7	1	0.46	52	1	8	1	95.4
64L	801454	13	569380	6459100	90	90	0	25	1	7	1.60	42	3	6	0.01	1115	1	2	1	96.7
64L	801455	13	569380	6459100	71	71	25	5	1	7	0.20	32	4	5	0.97	233	1	4	1	95.8
64L	801456	13	569380	6459100	72	72	30	8	1	6	0.20	16	6	3	0.58	90	1	8	1	94.9
64L	801458	13	569380	6459100	72	72	38	11	1	6	0.30	6	5	2	0.37	69	2	7	1	96.4
64L	801459	13	569380	6459100	72	72	49	7	1	6	0.60	7	6	1	0.30	40	1	9	3	96.7
64L	801460	13	569380	6459100	72	72	56	10	1	6	0.50	10	6	1	0.24	38	1	8	2	96.7
64L	801463	13	569380	6459100	72	72	66	10	1	6	0.40	8	8	1	0.27	38	1	11	1	97.3
64L	801464	13	569380	6459100	71	71	0	20	1	3	0.40	33	3	8	0.02	610	1	4	1	98.8
64L	801465	13	569380	6459100	71	71	20	10	1	6	0.30	34	3	5	0.41	122	1	6	2	96.5
64L	801466	13	569380	6459100	71	71	30	7	1	6	0.20	18	4	7	0.29	52	2	4	1	96.6
64L	801467	13	569380	6459100	72	72	37	9	1	6	0.20	6	6	2	0.28	30	2	9	1	96.6
64L	801469	13	569380	6459100	72	72	46	8	1	6	0.20	13	10	2	0.49	77	2	8	3	96.9
64L	801470	13	569380	6459100	73	73	54	5	1	6	0.30	6	6	1	0.27	27	2	9	1	96.6
64L	801471	13	569380	6459100	73	73	59	11	1	6	0.20	5	6	1	0.21	21	2	6	1	96.9
64L	801472	13	569380	6459100	73	73	70	10	1	7	0.30	5	6	1	0.21	24	1	10	1	97.5
64L	801473	13	569100	6459250	90	90	0	30	1	1.80	26	4	2	0	0.01	1260	1	5	1	97.2
64L	801474	13	569100	6459250	71	71	30	8	1	3	0.20	10	3	6	0.02	14	3	5	1	98.7
64L	801475	13	569100	6459250	71	71	38	9	1	3	0.10	15	2	3	0.04	24	2	5	1	98.8
64L	801476	13	569100	6459250	71	71	47	10	1	3	0.10	11	3	2	0.01	6	3	4	1	99.2
64L	801477	13	569100	6459250	71	71	57	9	1	3	0.10	10	3	1	0.11	4	3	5	1	98.7
64L	801478	13	569100	6459250	71	71	66	12	1	3	0.10	7	2	1	0.62	3	4	4	1	97.1
64L	801479	13	569100	6459250	71	71	78	10	1	3	0.50	5	3	1	0.72	9	2	8	1	94.4
64L	801480	13	569100	6459250	73	73	88	7	1	6	0.40	6	4	1	0.38	11	2	9	1	93.5
64L	801482	13	569100	6459250	73	73	95	10	1	7	0.70	3	4	1	0.26	10	2	9	1	96.8
64L	801483	13	569100	6459250	73	73	105	13	1	7	0.70	4	5	1	0.35	14	2	13	1	96.2
64L	801484	13	569100	6459250	73	73	118	8	1	7	0.80	4	6	1	0.26	12	2	14	1	96.9
64L	801485	13	569100	6459250	73	73	118	8	1	7	0.80	4	6	1	0.45	24	3	15	1	95.7
64L	801486	13	569100	6459250	71	71	0	23	1	3	0.40	17	3	4	0.03	88	2	5	1	98.8
64L	801487	13	569100	6459250	71	71	23	6	1	3	0.10	30	3	3	0.19	98	2	5	1	97.3
64L	801488	13	569100	6459250	71	71	29	11	1	3	0.10	29	3	1	0.55	71	2	6	1	97.2
64L	801489	13	569100	6459250	71	71	40	11	1	3	0.10	17	4	1	0.30	39	3	8	1	96.6
64L	801490	13	569100	6459250	71	71	0	22	1	3	0.70	22	3	4	0.04	188	1	8	1	98.4
64L	801491	13	569100	6459250	71	71	22	13	1	3	0.10	20	4	5	0.08	38	1	8	1	98.3
64L	801492	13	569100	6459250	71	71	35	9	1	3	0.10	22	4	2	0.29	46	1	7	1	98.0
64L	801493	13	569100	6459250	71	71	44	9	1	3	0.30	16	3	1	1.08	41	1	5	1	96.7
64L	801494	13	569100	6459250	71	71	53	14	1	3	0.40	18	4	3	1.13	164	1	6	2	96.1
64L	801496	13	569100	6459250	72	72	67	13	1	7	0.20	6	4	1	0.61	40	1	27	1	96.5
64L	801497	13	569100	6459250	72	72	80	8	1	7	0.90	6	6	2	0.88	48	1	28	2	94.1
64L	801498	13	567800	6458000	4E	6S	0	20	1	3	0.10	17	3	4	0.03	65	2	6	1	98.7
64L	801499	13	567800	6458000	4E	6S	20	11	1	6	0.10	26	4	2	0.08	16	1	6	2	98.2

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MAP SHEET	SAMPLE NUMBER	UTM COORDINATES		GRID LOCATION	SAMPLE TYPE	SAMPLE		SOIL HOR	COL	U PPM	ZN PPM	CU PPM	PB PPM	NI PPM	CO PPM	FE PCT	MN PPM	MD PPM	V PPM	AS PPM	LOI PCT	
		ZN	EAST			NORTH	100FT															100FT
64L	801500	13	567800	6458000	4E	6S	71	31	9	1	6	0.10	21	3	2	1	0.09	2	2	6	1	98.7
64L	801502	13	567800	6458000	4E	6S	71	40	9	1	3	0.10	18	4	2	1	0.20	6	2	8	1	97.9
64L	801503	13	567800	6458000	4E	6S	71	49	10	1	3	0.30	12	3	1	1	0.16	5	1	4	1	99.7
64L	801504	13	567800	6458000	4E	6S	71	59	10	1	3	0.10	8	4	2	2	0.16	6	1	6	2	98.4
64L	801505	13	567800	6458000	4E	6S	71	69	10	1	3	0.10	6	4	1	2	0.11	4	1	9	1	99.0
64L	801506	13	567800	6458000	4E	6S	72	79	8	1	6	0.20	4	4	1	1	0.07	9	2	7	1	96.8
64L	801507	13	567800	6458000	4E	6S	72	87	8	1	6	0.20	4	4	2	1	0.09	3	1	10	2	94.3
64L	801508	13	567800	6458000	4E	5S	71	0	20	1	3	0.10	18	5	5	2	0.02	58	2	7	2	94.3
64L	801509	13	567800	6458000	4E	5S	71	20	8	1	3	0.10	26	4	6	1	0.07	90	1	8	1	98.5
64L	801510	13	567800	6458000	4E	5S	71	28	10	1	3	0.20	28	3	4	0	0.10	26	2	7	1	98.4
64L	801511	13	567800	6458000	4E	5S	71	38	10	1	3	0.10	16	3	1	2	0.06	6	2	8	1	98.9
64L	801512	13	567800	6458000	4E	5S	72	48	11	1	6	0.10	15	4	3	1	0.13	6	1	9	2	97.4
64L	801513	13	567800	6458000	4E	5S	72	59	8	1	6	0.30	7	4	1	2	0.07	4	2	8	3	96.8
64L	801514	13	567800	6458000	4E	4S	71	0	20	1	3	0.10	16	4	11	2	0.02	138	1	4	3	98.8
64L	801515	13	567800	6458000	4E	4S	71	20	11	1	3	0.10	19	4	4	1	0.11	22	1	5	2	98.2
64L	801516	13	567800	6458000	4E	4S	71	31	11	1	3	0.10	24	3	2	2	0.13	9	1	6	1	96.8
64L	801517	13	567800	6458000	4E	3S	71	0	20	1	3	0.60	18	4	3	2	0.02	243	2	3	1	96.6
64L	801518	13	567800	6458000	4E	3S	71	20	12	1	6	0.30	28	7	8	2	0.12	55	1	8	2	89.2
64L	801520	13	567800	6458000	4E	3S	71	32	7	1	6	0.40	28	7	5	3	0.18	30	3	10	2	88.5
64L	801522	13	567800	6458000	4E	3S	71	39	7	1	6	0.10	16	4	1	1	0.10	10	3	8	1	97.0
64L	801523	13	567800	6458000	4E	3S	71	0	23	1	3	0.30	14	4	3	2	0.01	88	1	8	1	98.9
64L	801524	13	567800	6458000	4E	3S	71	23	11	1	3	0.10	16	3	4	2	0.04	60	2	7	1	98.3
64L	801526	13	567800	6458000	4E	3S	71	34	9	1	3	0.10	32	4	6	2	0.07	98	1	6	1	98.0
64L	801527	13	567800	6458000	4E	3S	72	43	9	1	3	0.10	20	3	2	3	0.09	9	1	4	1	97.4
64L	801528	13	567800	6458000	4E	2S	71	0	25	1	3	2.20	45	26	10	5	0.02	540	2	6	1	99.0
64L	801529	13	567800	6458000	4E	2S	71	25	9	1	3	0.10	24	40	5	3	0.08	80	1	8	1	98.3
64L	801530	13	567800	6458000	4E	2S	71	34	10	1	3	0.10	38	3	5	2	0.10	17	1	6	1	97.6
64L	801531	13	567800	6458000	4E	2S	71	44	8	1	3	0.10	12	2	2	3	0.14	8	2	8	1	97.0
64L	801532	13	567800	6458000	4E	2S	72	52	8	1	3	0.20	6	2	2	5	0.09	3	2	7	1	96.7
64L	801533	13	567800	6458000	4E	2S	73	60	5	1	7	0.60	3	3	2	2	0.14	2	3	7	1	94.0
64L	801534	13	567800	6458000	4E	1S	71	0	13	1	3	0.70	26	18	10	3	0.02	95	1	2	1	99.0
64L	801535	13	567800	6458000	4E	1S	71	13	12	1	6	0.10	18	3	2	1	0.16	18	3	7	1	97.8
64L	801536	13	567800	6458000	4E	1S	71	25	7	1	3	0.40	17	3	2	2	0.17	9	3	4	1	97.8
64L	801537	13	567800	6458000	4E	1S	71	32	8	1	3	0.10	14	3	2	2	0.07	5	1	6	1	97.7
64L	801538	13	567800	6458000	4E	1S	71	40	6	1	6	0.30	13	4	2	1	0.08	23	2	6	1	97.4
64L	801539	13	567800	6458000	4E	17N	71	0	21	1	6	0.80	19	3	4	3	0.26	118	1	5	1	97.2
64L	801540	13	567800	6458000	4E	17N	71	21	12	1	6	0.30	24	4	3	2	0.36	98	1	7	1	96.0
64L	801542	13	567800	6458000	4E	17N	71	33	12	1	6	0.10	33	17	3	2	0.37	70	2	9	2	97.8
64L	801543	13	567800	6458000	4E	17N	72	45	9	1	6	3.10	12	12	4	4	0.58	48	1	8	3	79.2
64L	801544	13	567800	6458000	4E	17N	72	54	9	1	6	2.60	6	8	1	4	0.24	53	1	9	2	92.8
64L	801545	13	567800	6458000	4E	17N	72	63	7	1	6	2.90	7	9	2	2	0.31	60	1	10	2	93.2
64L	801546	13	567800	6458000	4E	17N	72	70	6	1	6	3.20	8	10	1	3	0.35	66	1	14	2	92.6
64L	801547	13	567800	6458000	4E	17N	72	76	5	1	6	3.00	24	28	2	6	0.37	71	1	14	3	91.3
64L	801548	13	567800	6458000	4E	17N	73	81	10	1	7	2.40	22	22	2	3	0.40	70	1	12	3	92.3
64L	801549	13	567800	6458000	4E	16N	71	0	8	1	3	1.60	15	2	2	1	0.07	202	1	8	1	98.3
64L	801550	13	567800	6458000	4E	16N	71	8	20	1	6	0.90	15	2	2	2	0.44	30	2	7	2	92.3
64L	801552	13	567800	6458000	4E	16N	72	28	8	1	6	2.20	8	5	2	3	0.24	18	1	9	2	70.8
64L	801553	13	567800	6458000	4E	16N	72	36	10	1	6	2.60	66	107	1	6	0.46	125	2	10	2	65.6
64L	801554	13	567800	6458000	4E	15N	71	0	20	1	3	0.30	17	3	2	1	0.46	125	2	8	1	96.8
64L	801555	13	567800	6458000	4E	15N	72	20	10	1	6	1.60	14	4	1	2	1.45	53	2	7	3	83.2

NEA-IAEA ATHABASCA BASIN - WOLLASTON LAKE TEST AREA
PEAT, SURFACE ORGANIC MATERIALS AND INORGANIC CLASTIC SEDIMENTS - GEOCHEMICAL DATA

MAP SHEET	SAMPLE NUMBER	UTM COORDINATES		GRID LOCATION	SAMPLE TYPE	SAMPLE		SOIL HOR	U COL	Zn PPM	Cu PPM	Pb PPM	Ni PPM	Co PPM	Fe PCT	Hn PPM	Mo PPM	V PPM	As PPM	LOI PCT		
		Dep CM	Thk CM																			
64L	801556	13	567800	6458000	4E	15N	73	30	9	1	7	3.30	32	47	2	3	1	0.71	34	3	75.1	
64L	801557	13	567800	6458000	4E	15N	73	39	11	1	7	3.10	10	12	2	3	1	0.62	43	3	80.0	
64L	801558	13	567800	6458000	4E	15N	73	50	12	1	7	3.70	12	12	2	6	1	0.60	78	3	74.4	
64L	801559	13	567800	6458000	4E	15N	73	62	7	1	7	4.00	13	12	2	4	1	0.56	96	3	70.0	
64L	801560	13	567800	6458000	4E	15N	73	69	8	1	7	3.70	17	14	2	2	1	0.47	90	3	70.0	
64L	801562	13	567800	6458000	4E	15N	73	77	11	1	7	3.80	12	12	1	2	1	0.68	110	4	68.4	
64L	801563	13	567800	6458000	4E	14N	71	0	9	1	3	0.30	15	4	4	2	1	0.35	112	3	96.1	
64L	801564	13	567800	6458000	4E	14N	72	9	11	1	6	2.10	16	6	2	2	1	1.02	48	3	66.4	
64L	801565	13	567800	6458000	4E	14N	72	20	9	1	6	3.10	8	7	4	2	1	0.67	41	3	69.0	
64L	801566	13	567800	6458000	4E	13N	71	0	12	1	3	0.50	14	3	4	2	1	0.83	580	1	95.1	
64L	801567	13	567800	6458000	4E	13N	72	12	8	1	6	2.80	7	6	1	1	1	1.00	18	6	56.2	
64L	801568	13	567800	6458000	4E	13N	72	12	10	1	6	1.80	11	7	2	1	1	1.52	36	4	60.0	
64L	801569	13	567800	6458000	4E	12N	71	0	20	1	3	0.10	17	4	5	1	1	0.02	87	2	98.9	
64L	801570	13	567800	6458000	4E	12N	72	20	13	1	6	2.60	15	8	2	2	1	0.80	33	3	74.4	
64L	801571	13	567800	6458000	4E	12N	72	20	12	1	6	1.30	13	8	2	2	1	1.43	12	6	65.0	
64L	801572	13	560050	6463160	71		71	0	22	1	3	0.05	13	2	6	0	0	0.03	35	2	98.3	
64L	801574	13	560050	6463160	71		71	22	7	1	7	0.20	23	4	2	0	0	0.62	30	5	93.0	
64L	801575	13	560050	6463160	72		72	29	10	1	7	0.10	17	4	2	0	0	0.51	20	2	91.2	
64L	801576	13	560050	6463160	72		72	39	11	1	7	0.40	4	4	2	1	1	0.41	10	2	95.3	
64L	801577	13	560050	6463160	72		72	50	8	1	7	0.70	6	6	2	6	1	0.35	9	3	95.1	
64L	801578	13	560050	6463160	71		71	0	32	1	3	0.10	16	2	5	1	0	0.02	8	4	98.5	
64L	801579	13	560050	6463160	71		71	32	8	1	3	0.10	20	2	4	1	1	0	0.09	5	2	97.3
64L	801580	13	560050	6463160	71		71	40	9	1	3	2.60	22	4	2	0	0	0.07	18	4	98.1	
64L	801582	13	560050	6463160	71		71	49	12	1	3	0.10	17	3	2	1	1	0	0.04	4	3	97.5
64L	801583	13	560050	6463160	71		71	61	10	1	3	0.10	11	3	2	2	2	0	0.04	2	3	97.5
64L	801585	13	563300	6461160	71		71	0	23	1	6	0.50	24	4	3	3	3	3	2	2	1	97.5
64L	801586	13	563300	6461160	72		72	23	8	1	7	0.70	34	6	4	4	4	6	2	2	3	94.1
64L	801587	13	563300	6461160	72		72	31	12	1	7	0.80	14	6	1	1	3	13	2	2	4	91.7
64L	801588	13	563300	6461160	72		72	43	9	1	7	1.40	12	8	1	3	2	14	2	2	2	92.3
64L	801589	13	563300	6461160	72		72	52	8	1	7	2.50	6	8	2	7	2	21	2	2	2	91.1
64L	801590	13	563300	6461160	73		73	60	9	1	7	0.05	6	17	2	5	1	50	2	2	2	89.1
64L	801591	13	571400	6460550	71		71	0	18	1	3	0.40	28	5	2	3	2	63	3	3	3	66.0
64L	801592	13	571400	6460550	71		71	18	10	1	6	0.40	10	9	2	3	2	7	4	4	4	93.8
64L	801593	13	571400	6460550	71		71	28	7	1	6	0.50	9	9	1	3	2	10	1	1	1	97.0
64L	801594	13	571400	6460550	72		72	35	8	1	6	0.20	8	7	2	3	1	10	1	1	1	96.5
64L	801595	13	571400	6460550	73		73	43	6	1	6	0.40	5	7	1	3	1	9	1	1	1	97.3
64L	801596	13	571400	6460550	73		73	49	9	1	6	0.80	4	11	1	4	2	10	1	1	1	96.4
64L	801597	13	571400	6460550	73		73	58	8	1	7	0.60	4	13	2	3	2	15	1	1	1	96.8
64L	801598	13	571400	6460550	73		73	64	6	1	7	0.60	5	11	2	1	2	14	1	1	1	96.6
64L	801599	13	572630	6457870	71		71	0	29	1	3	0.10	10	2	4	1	1	5	1	1	1	98.5
64L	801600	13	572630	6457870	71		71	29	6	1	6	0.20	10	3	1	1	1	6	2	2	2	95.7
64L	801602	13	572630	6457870	71		71	35	8	1	6	0.10	5	4	1	1	2	7	1	1	1	96.0
64L	801603	13	572630	6457870	72		72	43	9	1	6	0.10	4	3	1	2	2	6	1	1	1	95.3
64L	801604	13	572630	6457870	72		72	52	11	1	6	0.10	4	3	1	3	2	10	1	1	1	96.9
64L	801605	13	572630	6457870	73		73	63	13	1	6	0.20	6	4	1	5	2	10	1	1	1	97.5
64L	801606	13	572630	6457870	73		73	76	14	1	6	0.30	6	4	2	8	2	12	1	1	1	97.1
64L	801607	13	572630	6457870	73		73	90	9	1	6	0.10	6	4	2	3	2	18	2	2	2	95.0
64L	801608	13	572630	6457870	73		73	99	8	1	6	0.50	6	6	2	0	1	6	1	1	1	98.8
64L	801609	13	580000	6457220	71		71	0	26	1	3	0.10	22	4	6	2	2	6	1	1	1	98.8
64L	801610	13	580000	6457220	71		71	26	9	1	6	0.40	21	3	5	1	2	6	1	1	1	96.5

NEA-IAEA ATHABASCA BASIN - WOLLASTON LAKE TEST AREA
PEAT, SURFACE ORGANIC MATERIALS AND INORGANIC CLASTIC SEDIMENTS - GEOCHEMICAL DATA

MAP SHEET	SAMPLE NUMBER	UTM ZN	UTM EAST	UTM NORTH	GRID LOCATION 100FT	SAMPLE TYPE	DEP CM	THK CM	SAMPLE HOR	SOIL COL	U PPM	ZN PPM	CU PPM	PB PPM	NI PPM	CO PPM	FE PCT	MN PPM	MO PPM	V PPM	AS PPM	LOI PCT
64L	801611	13	580000	6457220		71	35	8	1	6	0.20	20	4	6	2	2	0.33	161	1	5	1	96.0
64L	801612	13	580000	6457220		71	43	9	1	3	0.90	16	4	4	2	1	0.31	107	2	5	1	97.6
64L	801613	13	580000	6457220		71	52	8	1	3	0.40	18	4	3	0	2	0.34	120	1	5	1	97.0
64L	801614	13	580000	6457220		71	60	13	1	3	0.50	13	7	1	3	2	0.28	115	1	7	1	97.3
64L	801615	13	581000	6450700		71	0	19	1	3	0.20	26	4	4	2	1	0.24	100	1	6	1	97.1
64L	801616	13	581000	6450700		71	19	8	1	6	0.10	17	3	6	2	1	0.63	70	1	6	1	95.8
64L	801617	13	581000	6450700		71	27	10	1	6	0.10	9	4	3	2	1	0.44	50	2	6	1	95.7
64L	801618	13	581000	6450700		71	37	11	1	6	0.10	17	4	1	1	1	0.48	61	1	4	1	95.4
64L	801619	13	581000	6450700		71	48	5	1	6	0.10	6	3	1	1	1	0.40	75	1	6	1	96.4
74I	801002	13	552940	6461450	68N	108W	0	26	1	3	0.10	10	3	5	1	1	0.02	66	1	4	1	99.4
74I	801003	13	552940	6461450	68N	108W	26	9	1	6	0.10	28	6	6	1	1	0.11	78	1	4	1	98.0
74I	801004	13	552940	6461450	68N	108W	35	10	1	6	0.05	21	4	4	2	1	0.16	24	1	5	1	98.8
74I	801005	13	552940	6461450	68N	108W	45	13	1	3	0.05	15	3	1	2	1	0.12	15	2	8	1	98.2
74I	801006	13	552940	6461450	68N	108W	58	6	1	3	0.10	12	3	1	3	1	0.14	17	2	4	1	98.0
74I	801007	13	552940	6461450	68N	108W	64	7	1	3	0.10	10	3	2	2	1	0.12	16	2	2	1	98.0
74I	801008	13	552940	6461450	68N	108W	71	5	1	3	0.05	13	2	5	3	1	0.02	61	1	4	1	99.4
74I	801009	13	552940	6461450	68N	107W	0	26	1	3	0.05	27	2	5	2	1	0.13	60	1	4	1	97.9
74I	801010	13	552940	6461450	68N	107W	26	9	1	3	0.01	32	2	6	2	1	0.12	33	2	4	1	99.0
74I	801011	13	552940	6461450	68N	107W	35	10	1	3	0.05	20	2	2	2	1	0.11	29	2	4	1	98.2
74I	801012	13	552940	6461450	68N	107W	45	9	1	3	0.05	17	4	3	3	1	0.11	26	1	5	2	98.6
74I	801013	13	552940	6461450	68N	107W	54	9	1	3	0.10	12	2	1	3	1	0.13	26	2	6	1	98.7
74I	801014	13	552940	6461450	68N	106W	63	5	1	3	0.10	6	2	4	3	1	0.01	17	1	9	1	98.4
74I	801015	13	552940	6461450	68N	106W	71	22	10	3	0.10	30	3	3	1	1	0.18	43	1	7	1	97.5
74I	801016	13	552940	6461450	68N	106W	32	6	1	6	0.05	30	3	3	3	1	0.23	51	1	8	1	98.2
74I	801017	13	552940	6461450	68N	106W	38	7	1	3	0.10	18	4	3	2	2	0.13	26	2	6	1	97.6
74I	801018	13	552940	6461450	68N	106W	45	7	1	3	0.10	16	4	3	2	2	0.20	50	1	10	1	98.7
74I	801020	13	552940	6461450	68N	106W	52	8	1	3	0.10	13	3	2	2	1	0.20	49	2	7	1	98.3
74I	801022	13	552940	6461450	68N	106W	60	6	1	3	0.05	12	4	2	2	1	0.23	45	2	7	1	98.4
74I	801023	13	552940	6461450	68N	106W	66	8	1	3	0.10	12	4	3	2	1	0.23	46	1	5	1	99.2
74I	801024	13	552940	6461450	68N	106W	71	74	8	3	0.10	8	4	5	2	1	0.02	120	2	6	1	98.3
74I	801026	13	552940	6461450	68N	105W	0	22	1	3	0.05	16	3	5	1	1	0.18	55	2	4	1	98.0
74I	801027	13	552940	6461450	68N	105W	22	11	1	3	0.20	31	3	2	3	1	0.15	34	2	5	1	98.2
74I	801028	13	552940	6461450	68N	105W	33	9	1	3	0.70	21	4	1	2	1	0.13	40	2	5	1	98.0
74I	801029	13	552940	6461450	68N	105W	42	8	1	3	0.20	16	3	1	2	1	0.15	36	3	5	1	97.5
74I	801031	13	552940	6461450	68N	105W	50	6	1	3	0.20	25	4	6	4	2	0.14	100	2	6	1	98.2
74I	801032	13	552940	6461450	68N	104W	0	23	1	3	0.20	28	4	5	3	1	0.14	75	2	6	1	98.3
74I	801033	13	552940	6461450	68N	104W	23	7	1	3	1.50	22	3	3	2	1	0.11	70	2	6	1	98.2
74I	801034	13	552940	6461450	68N	104W	30	9	1	3	0.90	22	4	2	4	1	0.12	72	2	10	1	98.2
74I	801035	13	552940	6461450	68N	104W	39	8	1	6	0.60	13	8	2	4	1	0.06	34	2	8	1	95.2
74I	801036	13	552940	6461450	68N	104W	47	4	1	6	2.50	15	4	1	3	1	0.14	59	2	6	1	97.8
74I	801037	13	552940	6461450	68N	104W	51	11	1	6	1.70	13	3	3	3	1	0.16	53	1	6	1	97.9
74I	801038	13	552940	6461450	68N	104W	62	12	1	6	1.60	13	3	5	2	1	0.16	167	2	4	1	99.0
74I	801039	13	552940	6461450	68N	103W	0	21	1	3	0.20	22	3	8	2	1	0.02	105	1	4	1	98.2
74I	801040	13	552940	6461450	68N	103W	21	11	1	3	0.20	32	3	4	3	1	0.14	53	1	5	1	98.0
74I	801042	13	552940	6461450	68N	103W	32	10	1	3	0.20	20	4	1	1	1	0.10	37	1	5	1	97.6
74I	801043	13	552940	6461450	68N	103W	42	10	1	3	0.30	16	4	2	2	1	0.12	45	2	7	1	97.9
74I	801044	13	552940	6461450	68N	103W	52	9	1	3	0.20	11	4	2	3	1	0.10	36	1	4	1	98.0
74I	801045	13	552940	6461450	68N	103W	61	11	1	6	0.20	11	4	1	5	1	0.13	42	1	4	1	97.9
74I	801046	13	552940	6461450	68N	103W	72	10	1	6	0.20	10	4	1	2	1	0.13	42	1	4	1	97.9

NEA-IAEA ATHABASCA BASIN - WOLLASTON LAKE TEST AREA
PEAT, SURFACE ORGANIC MATERIALS AND INORGANIC CLASTIC SEDIMENTS - GEOCHEMICAL DATA

HAP SHEET	SAMPLE NUMBER	UTM ZN	UTM EAST	COORDINATES NORTH	GRID LOCATION 100FT 100FT	SAMPLE TYPE	SAMPLE DEP CM	SAMPLE THK CM	SOIL HOR	U COL	ZN PPM	CU PPM	PB PPM	NI PPM	CO PPM	FE PCT	MN PPM	MO PPM	V PPM	AS PPM	LOI PCT
741	801047	13	552940	6461450	68N 103W	71	82	5	1	6	0.30	9	5	2	3	1	37	1	8	1	98.1
741	801048	13	552940	6461450	68N 102W	71	0	25	1	3	0.40	12	2	7	1	0.02	110	2	7	1	99.3
741	801049	13	552940	6461450	68N 102W	71	25	11	1	3	0.60	22	2	8	3	0.08	43	2	6	1	98.7
741	801050	13	552940	6461450	68N 102W	71	36	6	1	3	0.10	13	2	1	2	0.08	12	3	6	1	98.0
741	801052	13	552940	6461450	68N 102W	71	42	6	1	3	0.10	12	2	4	4	0.09	20	2	4	1	98.9
741	801053	13	552940	6461450	68N 102W	71	48	8	1	3	0.30	9	2	0	2	0.10	13	2	3	1	98.9
741	801054	13	552940	6461450	68N 101W	71	0	29	1	3	0.20	77	2	8	2	0.04	80	1	6	1	99.2
741	801055	13	552940	6461450	68N 101W	71	29	8	1	3	0.05	21	3	4	2	0.20	23	1	9	1	98.1
741	801056	13	552940	6461450	68N 101W	71	37	12	1	3	0.05	13	2	2	1	0.14	19	2	7	1	98.1
741	801057	13	552940	6461450	68N 101W	71	49	12	1	3	0.10	8	2	1	5	0.14	19	1	7	1	98.5
741	801058	13	552940	6461450	68N 101W	71	61	10	1	3	0.10	7	3	2	2	0.16	20	1	7	1	98.1
741	801059	13	552940	6461450	68N 101W	71	71	6	1	3	0.10	6	3	1	3	0.18	21	2	7	1	98.0
741	801060	13	552940	6461450	68N 101W	71	77	6	1	3	0.10	5	3	0	3	0.21	21	1	6	1	98.0
741	801062	13	552940	6461450	68N 101W	71	83	6	1	6	0.20	4	3	2	1	0.25	22	2	6	1	98.1
741	801063	13	552940	6461450	68N 100W	71	0	23	1	3	0.20	13	2	4	3	0.03	44	1	6	1	99.0
741	801064	13	552940	6461450	68N 100W	71	23	8	1	3	0.20	18	2	6	3	0.09	17	2	5	1	98.2
741	801065	13	552940	6461450	68N 100W	71	31	10	1	3	0.30	20	3	3	1	0.19	9	3	7	1	98.4
741	801066	13	552940	6461450	68N 100W	71	41	5	1	6	0.10	18	3	2	2	0.18	10	2	8	1	98.2
741	801067	13	552940	6461450	68N 100W	72	46	7	1	6	0.30	15	4	0	1	0.24	12	2	9	1	96.6
741	801068	13	552940	6461450	68N 100W	72	53	7	1	6	0.50	13	3	0	1	0.28	8	2	7	1	97.3
741	801069	13	552940	6461450	68N 100W	71	60	5	1	6	0.50	11	2	2	2	0.33	9	2	8	1	96.2
741	801070	13	554130	6463000	136N 98W	71	0	25	1	3	0.20	29	4	6	2	0.30	80	2	12	1	97.0
741	801071	13	554130	6463000	136N 98W	71	25	8	1	6	0.10	16	4	1	2	0.22	17	3	10	1	96.3
741	801072	13	554130	6463000	136N 98W	72	33	8	1	6	0.10	10	4	1	2	0.19	9	2	4	1	97.0
741	801074	13	554130	6463000	136N 98W	72	41	9	1	6	0.10	8	4	1	4	0.18	10	2	5	1	96.8
741	801075	13	554130	6463000	136N 98W	72	50	11	1	6	0.10	4	5	1	3	0.18	7	2	6	1	97.1
741	801076	13	554130	6463000	136N 98W	73	61	6	1	6	0.30	3	7	0	3	0.14	5	2	8	1	96.6
741	801077	13	554130	6463000	136N 98W	73	67	7	1	8	0.80	2	6	2	4	0.10	6	1	8	1	95.2
741	801078	13	554130	6463000	136N 98W	73	74	6	1	7	1.50	2	7	4	5	0.12	410	2	8	1	78.0
741	801079	13	554130	6463000	136N 97W	71	0	17	1	3	0.40	38	3	8	3	0.18	410	4	5	1	97.8
741	801080	13	554130	6463000	136N 97W	71	17	8	1	3	0.20	38	3	9	2	0.24	175	2	3	1	97.6
741	801082	13	554130	6463000	136N 97W	71	25	10	1	6	0.10	39	7	5	4	0.15	80	2	3	1	96.9
741	801083	13	554130	6463000	136N 97W	71	35	12	1	6	0.20	25	7	4	2	0.16	72	2	3	1	97.2
741	801085	13	554130	6463000	136N 97W	71	47	9	1	6	0.20	19	6	2	4	0.14	70	2	5	1	97.9
741	801086	13	554130	6463000	136N 97W	72	56	8	1	6	0.10	16	6	1	3	0.14	66	2	3	1	97.5
741	801087	13	554130	6463000	136N 97W	72	64	7	1	6	0.10	14	7	1	2	0.12	55	2	6	1	97.1
741	801088	13	554130	6463000	136N 97W	72	71	7	1	7	0.20	11	5	1	4	0.15	52	1	6	1	97.0
741	801089	13	554130	6463000	136N 97W	72	78	7	1	7	0.20	12	4	1	4	0.14	61	2	5	1	97.3
741	801090	13	554130	6463000	136N 97W	72	85	12	1	7	0.20	10	4	1	4	0.19	55	3	3	1	97.3
741	801091	13	554130	6463000	136N 97W	72	97	6	1	7	0.10	10	3	0	5	0.14	43	2	6	1	98.2
741	801092	13	554130	6463000	136N 97W	72	103	6	1	3	0.20	10	6	2	2	0.05	400	3	5	1	98.5
741	801093	13	554130	6463000	136N 96W	71	0	15	1	6	0.20	40	2	6	2	0.31	128	3	5	1	99.1
741	801094	13	554130	6463000	136N 96W	71	15	12	1	3	0.10	24	4	6	1	0.18	93	3	7	1	97.1
741	801095	13	554130	6463000	136N 96W	71	27	13	1	3	0.10	30	4	4	3	0.16	81	2	5	2	98.0
741	801096	13	554130	6463000	136N 96W	71	40	10	1	3	0.05	28	5	3	5	0.11	76	2	4	2	97.7
741	801097	13	554130	6463000	136N 96W	71	50	11	1	3	0.10	11	3	0	3	0.10	48	3	4	3	97.8
741	801098	13	554130	6463000	136N 96W	71	61	14	1	3	0.10	7	5	1	3	0.10	46	2	8	1	96.5
741	801099	13	554130	6463000	136N 96W	71	75	7	1	3	0.10	6	4	2	4	0.10	40	2	8	1	96.8
741	801100	13	554130	6463000	136N 96W	71	82	11	1	3	0.05	6	4	1	2	0.07	24	3	6	1	95.4
741	801102	13	554130	6463000	136N 96W	71	93	9	1	6	0.05	6	6	2	7	0.07	24	3	8	1	92.0

NEA-IAEA ATHABASCA BASIN - WOLLASTON LAKE TEST AREA
PEAT, SURFACE ORGANIC MATERIALS AND INORGANIC CLASTIC SEDIMENTS - GEOCHEMICAL DATA

MAP SHEET	SAMPLE NUMBER	UTM COORDINATES		GRID LOCATION 100FT	SAMPLE TYPE	SAMPLE		SOIL HOR	U PPM	ZN PPM	CU PPM	PB PPM	NI PPM	CO PPM	FE PCT	MN PPM	MO PPM	V PPM	AS PPM	LOI PCT			
		NORTH	EAST			DEP CM	THK CM																
74I	801103	13	554130	6463000	136N	96W	71	102	8	1	6	0.20	5	6	2	8	1	0.06	19	3	10	1	91.6
74I	801104	13	554130	6463000	136N	96W	72	110	10	1	7	0.20	4	6	0	8	1	0.06	20	4	11	1	92.3
74I	801105	13	552940	6461450	136N	95W	71	0	29	1	3	0.10	11	2	5	3	1	0.03	113	3	6	1	99.1
74I	801106	13	552940	6461450	136N	95W	71	29	10	1	3	0.10	29	2	4	1	2	0.12	32	2	5	1	98.8
74I	801107	13	552940	6461450	136N	95W	71	39	13	1	3	0.10	25	2	2	2	2	0.12	23	2	7	1	98.5
74I	801108	13	552940	6461450	136N	95W	71	52	11	1	3	0.10	15	2	2	1	2	0.06	24	3	5	1	98.7
74I	801109	13	552940	6461450	136N	95W	71	63	10	1	3	0.10	14	2	1	1	1	0.08	27	3	6	1	97.5
74I	801110	13	552940	6461450	136N	94W	71	0	22	1	3	0.20	22	2	3	2	3	0.10	19	3	4	1	98.1
74I	801111	13	552940	6461450	136N	94W	71	22	11	1	3	0.05	19	2	1	4	1	0.08	17	2	4	1	97.7
74I	801112	13	552940	6461450	136N	94W	71	33	11	1	3	0.30	15	2	2	3	1	0.07	17	3	5	1	98.5
74I	801113	13	552940	6461450	136N	94W	71	44	10	1	3	0.05	16	2	2	4	1	0.07	27	2	6	1	98.2
74I	801114	13	552940	6461450	136N	93W	71	0	13	1	3	0.10	40	5	7	3	1	0.24	370	1	5	1	91.6
74I	801115	13	552940	6461450	136N	93W	71	13	14	1	3	0.30	33	5	8	4	2	0.26	146	3	4	1	96.7
74I	801116	13	552940	6461450	136N	93W	72	27	10	1	6	0.20	21	6	2	4	1	0.14	50	2	8	1	95.7
74I	801117	13	552940	6461450	136N	93W	72	37	12	1	6	0.30	11	6	1	5	2	0.08	28	3	7	1	95.6
74I	801118	13	552940	6461450	136N	93W	72	49	15	1	6	0.20	8	6	0	4	1	0.08	25	2	7	1	96.6
74I	801119	13	552940	6461450	136N	93W	72	64	12	1	6	0.10	6	6	1	4	1	0.09	25	1	7	2	96.4
74I	801122	13	552940	6461450	136N	93W	72	76	14	1	6	0.20	5	5	6	2	2	0.10	22	2	8	1	97.8
74I	801123	13	552940	6461450	136N	93W	72	90	9	1	6	0.20	5	6	1	2	1	0.16	34	2	8	1	98.2
74I	801125	13	552940	6461450	136N	93W	72	99	10	1	6	0.20	4	6	0	1	2	0.12	19	3	10	1	98.2
74I	801126	13	552940	6461450	136N	93W	73	109	13	1	6	0.30	4	6	0	3	2	0.12	17	2	7	1	97.6
74I	801127	13	552940	6461450	136N	92W	71	0	30	1	3	0.20	35	3	8	2	2	0.36	162	2	8	1	97.6
74I	801128	13	552940	6461450	136N	92W	71	30	10	1	6	0.30	24	5	0	4	2	0.22	59	2	6	1	95.9
74I	801129	13	552940	6461450	136N	92W	71	40	9	1	6	0.30	16	8	1	2	2	0.18	41	2	10	1	96.4
74I	801130	13	552940	6461450	136N	92W	72	49	10	1	6	0.30	16	7	2	4	2	0.14	41	3	8	1	96.8
74I	801131	13	552940	6461450	136N	92W	71	59	9	1	6	0.30	14	4	1	3	1	0.13	41	3	10	1	96.8
74I	801132	13	552940	6461450	136N	92W	72	68	6	1	6	0.30	11	6	1	3	2	0.11	34	3	8	1	97.5
74I	801133	13	552940	6461450	136N	91W	71	0	27	1	3	0.20	20	3	6	2	1	0.02	226	2	4	1	99.4
74I	801134	13	552940	6461450	136N	91W	71	27	11	1	6	0.20	36	5	7	4	1	0.35	163	2	5	1	97.2
74I	801135	13	552940	6461450	136N	91W	71	38	15	1	3	0.10	36	4	6	2	2	0.26	100	3	5	1	98.2
74I	801136	13	552940	6461450	136N	90W	71	0	18	1	3	0.30	24	4	7	2	1	0.20	185	3	7	1	98.4
74I	801137	13	552940	6461450	136N	90W	71	18	8	1	6	0.10	28	4	7	3	3	0.31	80	1	5	3	97.8
74I	801138	13	552940	6461450	136N	90W	71	26	13	1	3	0.05	24	3	5	3	2	0.30	50	3	6	1	97.4
74I	801139	13	552940	6461450	136N	90W	71	39	9	1	6	0.30	16	6	1	3	2	0.24	37	3	10	1	96.1
74I	801140	13	552940	6461450	136N	90W	71	48	6	1	6	0.10	13	5	1	4	2	0.28	40	2	5	1	97.0
74I	801142	13	552940	6461450	136N	89W	71	0	29	1	3	0.10	17	3	3	4	1	0.08	72	2	6	1	98.5
74I	801143	13	552940	6461450	136N	89W	71	29	11	1	6	0.10	32	4	3	5	2	0.35	88	1	6	1	97.5
74I	801144	13	552940	6461450	136N	89W	71	40	11	1	6	0.70	22	5	3	6	3	0.31	36	2	7	1	96.5
74I	801145	13	552940	6461450	136N	89W	71	51	13	1	6	0.10	16	4	1	4	3	0.26	16	3	7	1	96.0
74I	801146	13	552940	6461450	136N	89W	71	64	10	1	6	0.10	12	2	1	5	4	0.53	12	1	8	1	97.1
74I	801147	13	552940	6461450	136N	88W	71	0	22	1	3	0.10	30	4	6	4	3	0.26	180	2	8	1	96.9
74I	801148	13	552940	6461450	136N	88W	71	22	10	1	3	0.30	23	6	3	4	4	0.43	85	2	10	1	96.6
74I	801149	13	552940	6461450	136N	88W	72	32	10	1	6	1.50	14	6	3	3	5	0.36	37	2	10	1	83.7
74I	801151	13	553250	6463100	124N	131W	71	0	30	1	3	0.10	15	3	1	2	1	0.06	32	3	5	1	97.3
74I	801152	13	553250	6463100	124N	131W	71	30	10	1	3	0.10	13	3	2	2	3	0.08	7	2	6	1	96.1
74I	801153	13	553250	6463100	124N	131W	71	40	10	1	3	0.10	7	2	1	2	1	0.04	9	2	6	1	96.1
74I	801154	13	553250	6463100	124N	131W	71	50	10	1	3	0.10	9	3	1	1	1	0.06	17	2	4	1	94.7
74I	801155	13	553640	6462880	124N	115W	71	0	13	1	3	0.10	27	3	0	0	3	0.06	155	2	7	1	97.0
74I	801156	13	553640	6462880	124N	115W	71	13	13	1	6	0.40	22	4	3	4	1	0.26	20	3	11	1	95.3
74I	801157	13	553640	6462880	124N	115W	72	26	0	1	6	0.60	6	4	4	2	9	0.57	9	2	4	1	94.8

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PEAT, SURFACE ORGANIC MATERIALS AND INORGANIC CLASTIC SEDIMENTS - GEOCHEMICAL DATA

MAP SHEET	SAMPLE NUMBER	UTM ZN	EAST	NORTH	GRID LOCATION 100FT	SAMPLE TYPE	SAMPLE		SOIL COL	U PPM	ZN PPM	CU PPM	PB PPM	NI PPM	CO PPM	FE PCT	MN PPM	MO PPM	V PPM	AS PPM	LOI PCT
							CM	THK													
74I	801158	13	553640	6462880	124N	115W	35	11	1	7 2.30	4	9	6	4	2	0.57	5	3	8	1	89.2
74I	801159	13	553600	6462770	120N	115W	0	28	1	3 0.10	23	4	4	3	3	0.14	63	2	11	1	97.5
74I	801160	13	553600	6462770	120N	115W	28	8	1	6 0.10	16	4	2	3	3	0.50	11	2	9	1	95.3
74I	801162	13	553600	6462770	120N	115W	36	12	1	6 0.10	14	4	1	3	4	0.52	23	1	5	3	95.2
74I	801163	13	553600	6462770	120N	115W	48	7	1	7 0.20	6	5	2	4	2	0.41	25	2	7	1	95.1
74I	801164	13	553600	6462770	120N	115W	56	7	1	7 0.40	8	7	2	1	2	0.35	30	2	12	1	94.0
74I	801165	13	553540	6462680	116N	116W	0	22	1	3 0.10	22	3	3	2	2	0.08	65	2	5	1	95.6
74I	801166	13	553540	6462680	116N	116W	22	9	1	3 0.20	29	4	4	2	3	0.32	71	3	8	1	96.2
74I	801167	13	553540	6462680	116N	116W	31	6	1	3 0.20	23	4	4	2	3	0.45	26	2	8	1	96.0
74I	801168	13	553540	6462680	116N	116W	39	5	1	6 0.10	21	4	3	3	3	0.29	38	3	11	1	95.0
74I	801169	13	553540	6462680	116N	116W	44	11	1	6 0.60	14	4	2	2	2	0.35	12	2	11	1	57.0
74I	801170	13	553130	6462100	96N	116W	0	30	1	3 0.20	19	4	7	2	2	0.08	43	2	6	1	98.5
74I	801171	13	553130	6462100	96N	116W	30	12	1	3 0.40	28	4	5	4	5	0.26	47	2	5	2	96.4
74I	801172	13	553130	6462100	96N	116W	42	11	1	3 0.10	22	5	4	4	5	0.80	28	2	7	1	96.1
74I	801173	13	553130	6462100	96N	116W	53	10	1	7 1.20	5	6	3	3	7	1.81	19	1	9	1	93.4
74I	801174	13	553130	6462100	96N	116W	63	11	1	3 0.10	17	4	4	2	2	0.63	14	3	30	1	94.1
74I	801176	13	553130	6462100	96N	115W	0	20	1	3 0.10	16	5	0	3	4	0.24	20	2	6	1	93.9
74I	801177	13	553130	6462100	96N	115W	20	10	1	3 0.10	15	6	2	3	4	0.38	12	2	7	1	94.1
74I	801178	13	553130	6462100	96N	115W	30	4	1	7 0.70	15	6	2	3	3	0.38	12	3	8	1	90.0
74I	801179	13	553130	6462100	96N	115W	34	6	8	9 1.00	4	1	1	7	3	0.66	8	2	22	1	2.0
74I	801180	13	553130	6462100	96N	115W	0	21	1	3 0.10	19	3	3	3	1	0.06	14	3	5	1	98.0
74I	801182	13	553130	6462100	96N	115W	21	9	1	3 0.10	18	4	2	3	2	0.44	16	2	9	1	95.2
74I	801183	13	553130	6462100	96N	115W	30	5	1	6	16	4	2	3	2	0.46	7	3	9	1	89.9
74I	801184	13	553200	6462230	100N	116W	0	25	1	3 0.30	21	4	5	4	2	0.07	80	2	8	1	97.2
74I	801185	13	553200	6462230	100N	116W	25	8	1	3 0.30	22	4	3	3	3	0.19	12	3	7	1	96.6
74I	801186	13	553200	6462230	100N	116W	33	8	1	3 0.10	17	3	2	2	3	0.31	9	1	8	1	96.3
74I	801187	13	553200	6462230	100N	116W	41	7	1	3 0.90	14	11	3	5	3	0.69	10	2	9	1	78.2
74I	801188	13	553200	6462230	100N	116W	48	5	8	9 0.70	1	2	2	0	4	0.06	2	2	8	1	3.8
74I	801189	13	553200	6462230	104N	116W	0	30	1	3 0.20	23	5	4	4	4	0.30	36	4	7	1	95.9
74I	801190	13	553300	6462350	104N	116W	30	7	1	3 0.60	14	4	2	3	3	0.32	10	3	5	1	94.9
74I	801191	13	553300	6462350	104N	116W	37	7	1	6 1.00	9	5	4	2	2	0.50	11	2	6	1	63.2
74I	801192	13	553300	6462500	108N	116W	18	10	1	3 0.10	12	4	9	4	1	0.04	13	2	4	1	97.2
74I	801193	13	553360	6462500	108N	116W	28	6	1	3 0.10	22	2	1	5	2	0.08	10	2	5	2	98.0
74I	801194	13	553360	6462500	108N	116W	34	13	1	3 0.10	19	1	0	5	2	0.20	6	1	4	1	96.4
74I	801195	13	553360	6462500	108N	116W	47	13	1	3 0.10	15	2	0	5	2	0.24	7	2	5	1	98.2
74I	801196	13	553360	6462500	108N	116W	60	10	1	3 0.30	12	4	1	4	1	0.15	13	2	6	2	97.4
74I	801197	13	553370	6462500	108N	117W	0	22	1	3 0.10	16	3	5	4	1	0.06	98	2	6	2	96.8
74I	801199	13	553470	6462600	112N	117W	22	13	1	3 0.10	19	3	2	5	3	0.52	9	3	4	1	98.2
74I	801200	13	553470	6462600	112N	117W	35	5	1	6 0.50	18	4	1	4	4	0.92	7	3	6	1	93.6
74I	801202	13	553470	6462600	112N	117W	40	4	8	9 0.40	18	3	0	10	4	0.74	30	1	12	2	29.4
74I	801203	13	553470	6462600	112N	117W	0	22	1	3 0.60	17	3	1	4	4	0.23	20	2	5	2	97.2
74I	801204	13	553760	6462920	128N	114W	22	10	1	6 1.40	10	8	2	9	5	0.66	14	2	7	1	92.6
74I	801205	13	553760	6462920	128N	114W	0	32	1	3 0.10	18	2	2	5	2	0.04	13	1	4	1	98.0
74I	801206	13	553880	6463000	132N	112W	32	8	1	3 0.10	20	4	2	0	5	0.18	24	2	4	1	97.6
74I	801207	13	553880	6463000	132N	112W	40	10	1	3 0.10	16	2	0	5	2	0.10	8	2	5	1	96.9
74I	801208	13	553880	6463000	132N	112W	0	15	1	3 0.30	40	4	6	4	3	0.19	162	1	4	1	96.1
74I	801209	13	554250	6462420	124N	92W	15	10	1	7 1.40	4	4	4	4	1	0.32	10	2	4	1	14.1
74I	801211	13	554250	6462420	124N	92W	0	25	1	3 0.40	24	5	6	4	1	0.14	210	1	4	1	96.3
74I	801212	13	554250	6462420	124N	91W	0	25	1	7 1.10	7	4	2	3	2	0.28	14	1	5	1	6.4
74I	801213	13	554250	6462420	124N	91W	25	7	1	7 1.10	7	4	2	3	2	0.28	14	1	5	1	6.4

NEA-IAEA ATHABASCA BASIN - WOLLASTON LAKE TEST AREA
 PEAT, SURFACE ORGANIC MATERIALS AND INORGANIC CLASTIC SEDIMENTS - GEOCHEMICAL DATA

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MAP SHEET	SAMPLE NUMBER	UTM ZN	UTM EAST	COORDINATES NORTH	GRID LOCATION 100FT	SAMPLE TYPE	SAMPLE DEP CM	SAMPLE THK CM	SOIL HOR	U COL	U PPM	ZN PPM	CU PPM	PB PPM	NI PPM	CO PPM	FE PCT	MN PPM	MO PPM	V PPM	AS PPM	LOI PCT
741	801214	13	553200	6461650	84N 109W	30	30	10	7	3	2.70	18	7	9	9	3	3.85	80	10	80	6	
741	801215	13	553200	6461650	84N 108W	30	30	10	7	3	1.30	11	7	4	12	2	1.95	49	10	37		
741	801216	13	553200	6461650	84N 107W	30	30	10	7	3	4.20	16	7	8	7	2	4.25	64	10	65	1	
741	801217	13	553200	6461650	84N 107W	30	30	10	7	3	2.10	33	13	9	20	6	2.90	195	6	55		
741	801218	13	553200	6461650	84N 106W	30	30	10	7	3	2.90	36	17	9	18	8	3.25	275	1	60	5	
741	801219	13	553200	6461650	84N 106W	30	30	10	7	3	2.00	19	7	11	8	4	4.05	77	4	75	4	
741	801220	13	553200	6461650	84N 105W	30	30	10	7	3	1.50	26	20	10	14	4	6.55	138	4	95	6	
741	801221	13	553200	6461650	84N 105W	30	30	10	7	3	4.60	25	6	9	11	5	4.30	90	4	83	5	
741	801222	13	553200	6461650	84N 104W	30	30	10	7	3	1.60	10	5	7	13	2	1.50	73	3	28	6	
741	801223	13	553200	6461650	84N 103W	30	30	10	7	3	3.30	14	8	12	14	5	2.55	125	4	40		
741	801224	13	553200	6461650	84N 103W	30	30	10	7	3	2.40	37	7	13	14	6	4.40	134	4	78		
741	801225	13	553200	6461650	84N 103W	30	30	10	7	3	2.40	37	7	13	14	6	4.40	134	4	78		
741	801226	13	553200	6461650	84N 102W	30	30	10	7	3	2.40	23	6	10	12	4	3.90	125	4	65	7	
741	801227	13	553200	6461650	84N 102W	30	30	10	7	3	4.60	29	8	11	13	5	5.60	115	3	85	7	
741	801228	13	553200	6461650	84N 101W	30	30	10	7	3	5.80	21	11	9	13	4	4.60	108	3	82	8	
741	801229	13	554860	6463150	156N 86W	71	0	24	1	3	0.10	17	2	4	3	1	0.10	27	1	3	1	98.5
741	801230	13	554860	6463150	156N 86W	71	24	12	1	3	0.10	22	1	1	4	1	0.28	23	2	3	1	99.2
741	801231	13	554860	6463150	156N 86W	71	36	18	1	3	0.10	9	2	0	4	1	0.16	16	2	3	1	98.4
741	801232	13	554860	6463150	156N 86W	71	54	14	1	3	0.10	8	2	0	6	1	0.30	32	2	4	1	98.8
741	801233	13	554860	6463150	156N 86W	72	68	14	1	6	0.10	6	4	1	3	1	0.34	28	2	5	1	98.8
741	801234	13	554860	6463150	156N 86W	72	82	10	1	6	0.10	6	4	1	3	1	0.34	26	2	6	1	98.9
741	801235	13	554860	6463150	156N 86W	72	92	7	1	6	0.10	4	4	0	4	1	0.36	26	2	6	1	99.0
741	801236	13	554860	6463150	156N 86W	72	99	8	1	6	0.10	4	4	0	3	1	0.32	21	1	5	1	99.0
741	801237	13	554860	6463150	156N 86W	72	107	8	1	6	0.30	4	5	0	4	1	0.42	23	2	5	1	98.2
741	801238	13	554860	6463150	156N 86W	72	115	11	1	6	0.50	3	6	1	3	1	0.50	25	1	6	1	97.5
741	801239	13	554860	6463150	156N 86W	72	126	13	1	6	1.10	6	8	1	4	1	0.45	26	2	9	1	97.9
741	801240	13	554860	6463150	156N 88W	71	0	16	1	3	0.10	16	2	4	3	1	0.04	95	2	3	1	99.8
741	801241	13	554860	6463150	156N 88W	71	16	10	1	3	0.10	36	2	4	3	1	0.60	91	2	5	1	97.0
741	801242	13	554860	6463150	156N 88W	71	26	7	1	3	0.10	30	1	4	4	2	0.58	82	1	4	1	98.1
741	801243	13	554860	6463150	156N 88W	71	33	10	1	3	0.10	26	2	2	2	2	0.54	62	2	4	1	97.9
741	801244	13	554860	6463150	156N 88W	71	43	8	1	6	0.10	14	3	1	0	1	0.22	34	1	6	1	95.2
741	801245	13	554860	6463150	156N 88W	72	51	7	1	6	0.10	11	3	1	0	1	0.35	42	1	6	1	96.1
741	801246	13	554860	6463150	156N 88W	72	51	7	1	6	0.10	11	3	1	0	1	0.07	120	1	2	1	98.4
741	801247	13	554860	6463150	156N 90W	71	0	24	1	3	0.10	30	3	6	2	2	0.28	42	2	3	1	97.5
741	801248	13	554860	6463150	156N 90W	71	24	9	1	3	0.10	30	2	4	2	2	0.28	42	2	3	1	97.5
741	801249	13	554860	6463150	156N 90W	71	33	8	1	6	0.20	24	3	2	4	2	0.28	42	1	6	1	96.7
741	801250	13	554860	6463150	156N 90W	71	41	10	1	6	0.10	16	2	2	5	2	0.36	17	3	4	2	97.5
741	801251	13	554860	6463150	156N 90W	71	51	6	1	6	0.10	14	2	0	4	2	0.53	21	3	4	1	97.4
741	801252	13	554860	6463150	156N 90W	71	51	6	1	3	0.10	16	2	4	3	1	0.02	29	2	4	1	99.2
741	801253	13	555200	6464140	156N 90W	71	0	32	1	3	0.10	16	2	4	3	1	0.39	15	1	4	1	98.4
741	801254	13	555200	6464140	156N 90W	71	32	8	1	6	0.10	27	2	2	4	1	0.38	15	1	4	2	98.4
741	801255	13	555200	6464140	156N 90W	71	40	14	1	3	0.30	18	1	1	0	1	0.24	17	2	4	1	98.2
741	801256	13	555200	6464140	156N 90W	71	54	9	1	3	0.10	13	1	1	0	1	0.24	16	2	4	1	98.4
741	801257	13	555200	6464140	156N 90W	71	63	6	1	3	0.10	9	2	1	3	2	0.24	16	2	6	1	98.3
741	801258	13	555200	6464140	156N 90W	71	69	9	1	6	0.10	9	2	1	3	2	0.38	23	2	6	4	97.4
741	801259	13	555200	6464140	156N 90W	72	78	9	1	6	0.10	6	1	2	2	1	0.60	32	2	7	1	98.1
741	801260	13	555200	6464140	156N 90W	72	87	14	1	6	0.10	6	2	2	2	2	0.38	220	2	6	1	97.6
741	801261	13	555200	6464140	156N 90W	72	87	14	1	6	0.10	6	2	2	2	2	0.38	220	2	6	1	97.6
741	801262	13	555200	6464140	156N 90W	72	87	14	1	6	0.10	6	2	2	2	2	0.38	220	2	6	1	97.6
741	801263	13	556960	6466270	156N 90W	71	0	11	1	3	0.10	42	4	6	3	1	0.60	220	2	5	1	97.4
741	801264	13	556960	6466270	156N 90W	71	11	14	1	7	0.10	22	3	4	3	1	2.65	103	2	9	1	93.1
741	801265	13	556960	6466270	156N 90W	72	25	11	1	6	0.30	26	5	5	4	1	1.80	130	2	11	1	94.5
741	801266	13	556960	6466270	156N 90W	73	36	12	1	6	0.70	10	6	2	3	1	1.04	29	2	16	1	94.7
741	801267	13	556960	6466270	156N 90W	71	0	8	1	3	0.20	45	5	6	3	1	0.64	340	2	8	1	96.7
741	801268	13	556960	6466270	156N 90W	71	0	8	1	3	0.20	45	5	6	3	1	0.64	340	2	8	1	96.7
741	801269	13	556960	6466270	156N 90W	71	0	8	1	3	0.20	45	5	6	3	1	0.64	340	2	8	1	96.7
741	801270	13	556960	6466270	156N 90W	71	0	8	1	3	0.20	45	5	6	3	1	0.64	340	2	8	1	96.7

NEA-IAEA ATHABASCA BASIN - WOLLASTON LAKE TEST AREA
PEAT, SURFACE ORGANIC MATERIALS AND INORGANIC CLASTIC SEDIMENTS - GEOCHEMICAL DATA

MAP SHEET	SAMPLE NUMBER	UTM COORDINATES ZN EAST	GRID LOCATION 100FT NORTH	SAMPLE DEP THK CM	SAMPLE HOR COL	U PPM	ZN PPM	CU PPM	PB PPM	NI PPM	CO PPM	FE PCT	MN PPM	MO PPM	V PPM	AS PPM	LOI PCT
741	801270	13 556960	6466270	21 11	1	7 0.30	13	6	2	2	2	1.45	180	2	10	1	91.2
741	801271	13 556960	6466270	32 8	1	7 0.50	9	6	1	3	1	1.45	195	2	16	2	88.1
741	801272	13 554650	6460070	0 17	1	3 0.10	16	4	4	3	1	0.07	385	2	8	1	98.2
741	801273	13 554650	6460070	17 18	1	6 0.30	32	3	6	3	3	0.86	98	3	7	1	97.2
741	801274	13 554650	6460070	35 10	1	3 0.10	31	3	4	3	6	1.15	73	2	8	1	96.4
741	801275	13 554650	6460070	45 11	1	3 0.70	21	4	3	3	3	1.03	46	2	8	1	96.7
741	801276	13 554650	6460070	56 14	1	6 0.60	11	6	2	4	3	0.94	34	3	18	2	58.0
741	801277	13 554650	6460070	70 12	1	6 1.70	4	12	2	4	2	1.13	35	2	38	2	94.3
741	801278	13 554650	6460070	82 10	1	7 1.70	4	14	2	3	2	1.05	32	2	36	1	91.4
741	801279	13 554650	6460070	92 8	1	7 3.10	4	20	2	4	2	0.82	28	1	31	2	92.9
741	801280	13 554650	6460070	100 5	1	7 3.20	4	19	2	2	2	0.80	25	1	34	1	93.0
741	801281	13 554650	6460070	105 6	1	7 3.30	4	17	4	3	2	0.80	24	2	32	1	92.7
741	801282	13 554650	6460070	0 16	1	3 0.60	27	3	8	5	1	0.10	140	2	6	2	97.9
741	801283	13 554650	6460070	16 10	1	6 0.10	26	2	6	3	1	0.39	97	2	6	1	96.9
741	801284	13 554650	6460070	26 8	1	7 0.30	17	5	4	3	2	0.69	27	2	8	1	93.2
741	801285	13 554650	6460070	34 10	1	7 0.20	14	5	2	3	2	0.70	32	3	10	1	95.2
741	801287	13 554650	6460070	44 12	1	7 0.10	7	7	1	4	2	0.74	30	2	12	1	94.6
741	801288	13 554650	6460070	56 12	1	7 1.50	4	6	2	5	2	0.56	29	2	12	1	93.4
741	801289	13 554650	6460070	68 9	1	7 0.30	4	6	2	4	2	0.58	30	2	12	1	94.5
741	801290	13 554650	6460070	77 8	1	7 0.30	4	5	1	2	2	0.68	29	2	10	1	96.1
741	801291	13 554650	6460070	85 7	1	7 0.30	3	6	2	2	3	0.90	40	2	11	1	95.2
741	801292	13 554650	6460070	92 8	1	7 0.30	3	6	3	3	3	0.96	44	2	10	1	95.4
741	801293	13 554650	6460070	100 9	1	7 0.30	4	6	2	4	3	0.92	39	1	16	1	95.4
741	801294	13 554650	6460070	109 9	1	7 0.40	3	7	1	4	3	0.96	39	3	4	2	95.4
741	801295	13 554650	6460070	118 8	1	7 0.40	4	7	2	2	3	0.96	37	2	4	1	95.2
741	801296	13 554650	6460070	126 10	1	7 0.40	4	8	2	2	3	1.03	38	1	16	2	94.7
741	801297	13 554650	6460070	136 10	1	7 0.60	3	10	1	5	2	0.87	30	2	16	1	95.4
741	801298	13 554650	6460070	136 10	1	7 0.60	3	10	1	5	2	0.87	30	2	16	1	95.4

NEA-IAEA ATHABASCA BASIN - WOLLASTON LAKE TEST AREA
INTERSTITIAL PEAT WATERS - GEOCHEMICAL DATA

MAP SHEET	SAMPLE NUMBER	UTM COORDINATES		GRID LOCATION 100FT 100FT	SAMPLE TYPE	SAMPLE DEPTH		SOIL HOR	COL	U PPB	COND µMHOS	PH	CAC03 PPM	HCO3 PPM	ORG-C PPM	F PPM	CL PPM	PO4 PPM	NO3 PPM	SO4 PPM	
		ZN	EAST			NORTH	CM														THK CM
64L	801002	13	567800	6458000	5N	71	0	10	1	6	0.46	135	6.8	38.5	46.9	53.1	104	8.4	0.1	1.4	1.0
64L	801003	13	567800	6458000	5N	71	10	11	1	2	0.40	126	7.4	51.3	62.5	20.1	96	8.0	0.1	0.6	2.3
64L	801004	13	567800	6458000	5N	72	21	10	1	6	0.42	105	7.2			33.4	113	2.8	0.1	1.1	2.7
64L	801005	13	567800	6458000	5N	72	31	10	1	6	0.40	103	7.2	28.3	34.5	49.1	126	3.9	0.1	1.3	2.5
64L	801006	13	567800	6458000	5N	71	0	10	1	6	0.42	112	7.2			64.9	369	2.5	0.1	1.7	2.7
64L	801007	13	567800	6450000	5N	72	10	10	1	6	0.52	132	6.8	39.5	48.2	60.9	271	4.9	1.4	1.4	3.8
64L	801008	13	567800	6458000	5N	72	20	8	1	6	0.48	65	5.5	3.7	4.6	52.3	253	4.1	0.1	0.8	6.2
64L	801009	13	567800	6458000	5N	72	28	10	1	6	0.42	61	5.8	4.8	5.9	53.1	192	3.5	0.1	0.9	3.8
64L	801010	13	567800	6458000	3N	71	0	20	1	3	0.52	96	4.1			81.4	111	3.7	0.1	0.7	3.9
64L	801011	13	567800	6458000	3N	72	20	12	1	6	0.44	59	4.8			57.9	197	3.7	0.1	0.8	3.9
64L	801016	13	567800	6458000	7S	71	0	15	1	3	0.40	91	4.4			72.4	165	5.0	1.4	1.0	5.6
64L	801017	13	567800	6458000	7S	72	15	12	1	3	0.44	85	4.2			80.0	88	2.3	2.7	0.7	2.5
64L	801018	13	567800	6458000	7S	73	27	10	1	6	0.40	48	4.3			46.0	108	1.9	0.1	0.6	2.8
64L	801020	13	567800	6458000	7S	73	37	10	1	6	0.60	69	4.2			65.0	149	1.3	0.1	0.7	2.2
64L	801022	13	567800	6458000	7S	73	47	13	1	6	0.52	51	4.3			67.2	175	2.1	0.1	0.3	3.8
64L	801023	13	567800	6458000	7S	73	60	10	1	6	0.54	57	4.6			61.2	237	2.1	0.1	1.0	4.8
64L	801024	13	567800	6458000	7S	73	70	10	1	6	0.54	45	4.3			46.6	180	1.5	0.1	0.7	3.2
64L	801034	13	567800	6458000	9S	71	0	20	1	3	0.56	90	4.1			48.0	93	4.3	0.1	0.6	3.7
64L	801035	13	567800	6458000	9S	71	20	10	1	3	0.48	59	4.3			47.7	118	3.0	0.1	0.6	1.6
64L	801036	13	567800	6458000	9S	71	30	10	1	3	0.50	62	4.4			69.7	98	2.5	0.1	1.3	1.3
64L	801037	13	567800	6458000	9S	71	40	12	1	3	0.54	63	5.2	2.7	3.3	87.7	113	2.0	0.1	0.9	1.3
64L	801038	13	567800	6458000	9S	72	52	12	1	6	0.60	78	5.5	5.9	7.2	98.5	216	3.0	0.1	1.5	1.6
64L	801039	13	567800	6458000	9S	72	64	5	1	6	0.50	53	4.5			98.9	227	2.7	0.1	1.0	3.7
64L	801040	13	567800	6458000	9S	72	69	5	1	6	0.48	87	4.7			61.9	330	5.6	0.1	1.0	6.7
64L	801050	13	567800	6458000	11S	71	0	20	1	6	0.52	165	4.3			78.0	366	22.4	7.2	1.2	2.9
64L	801052	13	567800	6458000	11S	71	20	12	1	3	0.50	67	4.2			47.2	119	2.6	0.1	0.8	1.2
64L	801053	13	567800	6458000	11S	71	32	9	1	3	0.60	55	4.4			50.7	124	1.4	0.1	0.7	1.1
64L	801054	13	567800	6458000	11S	71	41	7	1	3	0.54	68	5.0	0.5	0.7	74.8	186	2.1	0.1	0.9	2.4
64L	801055	13	567800	6458000	11S	71	48	15	1	3	0.56	61	4.8			77.1	186	1.6	0.1	1.0	2.6
64L	801056	13	567800	6458000	11S	71	63	10	1	3	0.52	87	6.8	14.9	18.2	49.5	207	4.6	0.1	2.1	3.3
64L	801069	13	567800	6458000	13S	71	0	25	1	3	0.64	74	4.8			58.8	106	4.4	0.1	1.3	2.4
64L	801070	13	567800	6458000	13S	71	25	15	1	3	0.56	102	3.9			75.2	129	3.3	2.1	0.4	2.2
64L	801071	13	567800	6458000	13S	71	40	8	1	3	0.54	75	4.1			55.5	163	1.6	0.1	0.3	1.9
64L	801072	13	567800	6458000	13S	71	48	9	1	3	0.76	67	4.3			62.1	135	2.1	0.1	0.9	1.6
64L	801074	13	567800	6458000	13S	71	57	10	1	3	0.52	70	4.2			65.2	78	0.9	0.1	0.9	2.3
64L	801075	13	567800	6458000	13S	71	67	10	1	3	0.52	66	4.3			60.7	222	1.4	0.1	0.7	3.7
64L	801076	13	567800	6458000	13S	71	77	12	1	3	0.54	63	4.6			65.7	189	3.2	0.1	1.0	1.8
64L	801077	13	567800	6458000	13S	71	89	10	1	3	0.56	68	4.7			73.4	279	3.0	0.1	1.2	2.5
64L	801131	13	567800	6458000	8E	71	0	16	1	3	0.60	318	3.8			88.7	193	42.0	4.7	1.5	26.5
64L	801132	13	567800	6458000	8E	71	16	11	1	3	0.60	68	4.0			51.7	104	4.5	0.1	0.3	1.8
64L	801133	13	567800	6458000	8E	71	27	10	1	6	0.88	64	4.6			53.0	287	3.7	0.1	0.4	4.5
64L	801134	13	567800	6458000	8E	71	37	16	1	6	0.60	71	5.3	4.8	5.9	75.8	262	2.1	0.1	1.3	4.3
64L	801135	13	567800	6458000	8E	71	53	10	1	6	0.56	92	6.1			78.5	544	3.2	0.1	1.7	8.9

NEA-IAEA ATHABASCA BASIN - WOLLASTON LAKE TEST AREA
INTERSTITIAL PEAT WATERS - GEOCHEMICAL DATA

MAP SHEET	SAMPLE NUMBER	UTM ZN	UTM EAST	UTM NORTH	GRID LOCATION 100FT	SAMPLE TYPE	SAMPLE DEP THK CM	SAMPLE CM	SOIL HOR	COL	U PPB	COND µMHOS	PH	CACO3 PPM	HCO3 PPM	ORG-C PPM	F PPM	CL PPM	PO4 PPM	NO3 PPM	SO4 PPM
64L	801231	13	567800	6458000	8E	10N	72	15	10	1	7	0.72	135	5.3		190.0	177	3.6	0.1	1.7	10.4
64L	801232	13	567800	6458000	8E	10N	72	25	8	1	7	0.36	143	7.3		135.3					
64L	801233	13	567800	6458000	8E	10N	72	33	13	1	7	0.48	126	7.4		71.0					
64L	801234	13	567800	6458000	8E	10N	72	46	11	1	7	0.70	98	6.0	8.5	83.8	194	1.9	0.1	0.4	11.4
64L	801235	13	567800	6458000	8E	10N	72	57	10	1	7	0.05	58	6.2	5.2	41.4	153	1.4	0.1	0.4	10.0
64L	801236	13	567800	6458000	8E	10N	72	67	9	1	7	0.05	51	5.8	0.7	48.1	153	1.3	0.1	0.7	9.7
64L	801237	13	567800	6458000	8E	10N	72	76	13	1	7	0.40	85	6.6	20.8	37.0	91	0.8	0.1	0.4	5.6
64L	801238	13	567800	6458000	8E	10N	72	89	10	1	7	0.24	114	6.8	19.5	38.3	158	5.3	0.1	0.7	19.9
64L	801240	13	567800	6458000	8E	10N	86	99	8	8	9	0.16	92	7.0	18.2	33.8	166	3.6	0.1	0.6	12.7
64L	801250	13	567800	6458000	8E	12N	71	0	10	1	3	0.28	109	3.9		80.4	180	2.6	5.4	0.8	11.8
64L	801252	13	567800	6458000	8E	12N	72	10	10	1	8										
64L	801253	13	567800	6458000	8E	12N	73	20	7	1	8	0.20	76	4.4							
64L	801279	13	567800	6458000	8E	22N	71	0	12	1	3	0.20	62	4.8		103.9	265	3.4	0.1	0.8	2.3
64L	801280	13	567800	6458000	8E	22N	71	12	15	1	6	0.12	76	5.0		75.4	181	6.3	0.1	1.8	3.7
64L	801282	13	567800	6458000	8E	22N	72	27	5	1	7	0.16	119	6.3	20.2	126.0	522	6.5	0.3	2.2	3.3
64L	801283	13	567800	6458000	8E	22N	72	32	5	1	6	0.05	249	7.2	38.4	91.7	238	17.2	26.5	3.5	6.9
64L	801284	13	567800	6458000	8E	22N	72	37	8	1	6	0.18	149	7.2		102.0	225	7.2	0.7	3.6	4.5
64L	801285	13	567800	6458000	8E	22N	72	45	9	1	6	0.05	68	5.6	5.9	73.7	183	3.8	0.1	1.3	2.6
64L	801287	13	567800	6458000	8E	22N	72	54	12	1	6	0.20	69	5.6	4.6	68.8	245	3.0	0.1	2.9	2.8
64L	801288	13	567800	6458000	8E	22N	73	66	8	1	6	0.20	75	7.1		42.5	287	2.9	0.1	0.5	3.8
64L	801338	13	567800	6458000	12E	26N	71	0	20	1	3	0.05	194	5.4	11.7	146.7	148	13.1	1.3	1.4	14.5
64L	801339	13	567800	6458000	12E	26N	71	20	12	1	6	0.05	66	5.1	1.3	78.6	242	3.1	0.4	1.0	1.8
64L	801340	13	567800	6458000	12E	26N	71	32	10	1	6	0.05	33	5.0		43.4	145	1.6	0.1	1.5	1.7
64L	801342	13	567800	6458000	12E	26N	71	42	13	1	3	0.05	23	5.5	0.7	31.3	134	0.9	0.1	0.9	1.4
64L	801343	13	567800	6458000	12E	26N	72	55	10	1	6	0.82	25	5.5	1.3	26.6	121	0.9	0.1	1.2	1.0
64L	801344	13	567800	6458000	12E	26N	72	65	10	1	6	0.36	30	5.1		35.7	245	1.7	0.1	1.1	1.5
64L	801345	13	567800	6458000	12E	26N	72	73	10	1	6	0.36	25	5.8	0.7	28.3	134	0.9	0.1	1.3	2.0
64L	801346	13	567800	6458000	12E	26N	72	85	12	1	7	0.10	24	5.6		25.9	119	0.8	0.1	1.1	1.8
64L	801347	13	567800	6458000	12E	26N	72	97	8	1	7	0.30	26	5.8	2.0	21.3	146	1.0	0.1	0.3	3.0
64L	801348	13	567800	6458000	12E	26N	73	106	9	1	7	0.10	43	6.2	5.9	49.3	220	1.9	0.1	0.5	2.6
64L	801349	13	567800	6458000	12E	26N	73	115	9	1	7										
64L	801350	13	567800	6458000	12E	26N	73	124	8	1	7										
64L	801351	13	567800	6458000	12E	26N	73	132	10	1	7	0.12	93	7.5		83.6	363	3.9	0.1	0.5	7.0
64L	801352	13	567800	6458000	12E	26N	73	142	10	1	7										
64L	801353	13	567800	6458000	12E	24N	71	0	15	1	3										
64L	801355	13	567800	6458000	12E	24N	71	15	9	1	6	0.05	44	6.1		49.9	126	2.1	0.1	2.1	2.4
64L	801356	13	567800	6458000	12E	24N	71	24	11	1	6										
64L	801357	13	567800	6458000	12E	24N	71	35	11	1	6										
64L	801358	13	567800	6458000	12E	24N	71	46	14	1	6										
64L	801359	13	567800	6458000	12E	24N	71	60	14	1	6										
64L	801360	13	567800	6458000	12E	24N	72	74	11	1	6										
64L	801362	13	567800	6458000	12E	22N	71	0	25	1	3										
64L	801363	13	567800	6458000	12E	22N	71	25	14	1	6	0.05	50	5.5	3.3	47.4	125	3.2	0.1	1.2	1.3
64L	801364	13	567800	6458000	12E	22N	71	39	10	1	6	0.05	29	5.6	1.3	34.8	138	2.5	0.1	1.2	1.1
64L	801365	13	567800	6458000	12E	22N	71	49	10	1	6	0.05	25	5.6	2.6	29.2	119	2.0	0.1	2.1	1.3
64L	801366	13	567800	6458000	12E	22N	71	59	13	1	6	0.05	31	5.7	2.6	34.2	151	1.9	0.1	2.0	1.6
64L	801367	13	567800	6458000	12E	22N	71	72	5	1	6	0.05	37	5.6	2.6	39.3	177	2.0	0.1	1.9	1.5
64L	801368	13	567800	6458000	12E	22N	72	77	10	1	7	0.40	43	6.8	13.0	24.5	171	1.9	0.1	0.9	2.1

NEA-IAEA ATHABASCA BASIN - WOLLASTON LAKE TEST AREA
INTERSTITIAL PEAT WATERS - GEOCHEMICAL DATA

MAP SHEET	SAMPLE NUMBER	UTM ZN	UTM EAST	UTM COORDINATES	GRID LOCATION	SAMPLE TYPE	SAMPLE DEP CM	THK CM	SOIL HOR	COL	U PPB	COND μ MHOS	PH	CACO3 PPM	HCO3 PPM	ORG-C PPM	F PPM	CL PPM	PO4 PPM	NO3 PPM	SO4 PPM
64L	801393	13	567800	6458000	12E	11N	15	13	1	3	0.46	121	5.0			156.3	339	8.3	0.1	3.2	4.8
64L	801394	13	567800	6458000	12E	11N	28	11	1	7											
64L	801396	13	567800	6458000	12E	11N	39	11	1	7											
64L	801397	13	567800	6458000	12E	11N	50	9	1	7	0.48	99	5.6	8.0	9.8	126.9	247	4.7	0.2		2.1
64L	801398	13	567800	6458000	12E	11N	59	9	1	7	0.62	78	5.0			106.2	253	2.8	0.2		2.2
64L	801399	13	567800	6458000	12E	11N	68	13	1	7	0.54	80	5.4	4.8	5.9	109.9	181	1.7	0.1	2.4	2.7
64L	801400	13	567800	6458000	12E	11N	81	8	1	7	0.42	64	5.2	1.1	1.3	91.6	178	2.3	0.1	2.4	1.3
64L	801402	13	567800	6458000	12E	11N	89	9	1	7	0.44	62	5.2	1.6	2.0	90.9	190	2.3	0.1	2.0	1.3
64L	801403	13	567800	6458000	12E	11N	98	7	1	7	0.54	45	5.3	1.1	1.3	68.7	111	1.3	0.1	1.3	1.5
64L	801404	13	567800	6458000	12E	11N	105	10	1	7	0.64	84	6.7	17.1	20.8	78.7	190	3.1	0.1	2.5	1.8
64L	801405	13	567800	6458000	12E	11N	115	10	1	7											
64L	801406	13	567800	6458000	12E	11N	125	10	1	7											
64L	801407	13	567800	6458000	12E	11N	135	7	1	7	0.64	85	6.6	16.6	20.2	86.9	195	3.4	0.1	2.7	3.4
64L	801408	13	567800	6458000	12E	10N	0	15	1	3											
64L	801409	13	567800	6458000	12E	10N	15	7	1	6											
64L	801410	13	567800	6458000	12E	10N	22	9	1	7	0.36	157	4.2			98.5	100	22.8	0.1	2.2	1.9
64L	801411	13	567800	6458000	12E	10N	31	9	1	7	0.30	485	4.2			60.6	240	144.3	0.1	2.4	1.5
64L	801418	13	567800	6458000	12E	10N	93	9	1	6	0.54	82	6.0			87.0	287	2.6	0.1	5.2	9.4
64L	801419	13	567800	6458000	12E	10N	102	9	1	3											
64L	801420	13	567800	6458000	12E	10N	111	10	1	3	0.52	69	5.3	28.3	34.5	93.5	185	2.6	0.1	2.4	8.6
64L	801422	13	567800	6458000	12E	10N	121	11	1	6	0.68	124	6.9			118.4	188	2.2	0.1	0.9	9.2
64L	801423	13	567800	6458000	12E	10N	132	4	1	6	0.72	88	5.5	8.5	10.4	130.1	231	2.7	0.1	3.5	11.7
64L	801455	13	569380	6459100	12E	10N	0	25	1	7	0.44	45	6.7			30.2	105	2.3	0.1	0.4	2.0
64L	801456	13	569380	6459100	12E	10N	25	5	1	7	0.40	35	5.5			34.9	146	3.1	0.1	0.2	2.3
64L	801458	13	569380	6459100	12E	10N	38	11	1	6	0.42	33	4.9			27.3	100	4.1	0.1	0.5	1.1
64L	801459	13	569380	6459100	12E	10N	49	7	1	6	0.96	155	6.4			86.2	203	15.8	0.1	1.1	6.7
64L	801460	13	569380	6459100	12E	10N	56	10	1	6	0.70	48	6.6			29.5	162	3.5	0.1	1.4	4.8
64L	801462	13	569380	6459100	12E	10N	30	8	1	3	0.70	35	6.3	3.7	4.6	25.9	129	2.0	0.1	1.7	2.1
64L	801475	13	569100	6459250	12E	10N	0	30	1	3	0.70	50	4.3			46.0	108	1.9	0.1	0.4	2.7
64L	801572	13	560050	6463160	12E	10N	0	22	1	3	0.60	49	4.4	12.8	15.6	38.8	115	2.6	0.4	0.4	1.4
64L	801574	13	560050	6463160	12E	10N	22	7	1	3	0.60	82	6.6	13.9	16.9	47.7	120	7.9	0.1	0.7	2.4
64L	801575	13	560050	6463160	12E	10N	29	10	1	7	0.60	56	6.7	1.1	1.3	35.2	111	3.3	0.1	0.4	1.2
64L	801576	13	560050	6463160	12E	10N	39	11	1	7	0.56	24	5.5	4.3	5.2	19.4	106	2.4	0.1	0.4	1.1
64L	801577	13	560050	6463160	12E	10N	50	8	1	7	0.72	27	6.0	12.8	15.6	20.0	103	1.3	0.1	0.4	1.2
64L	801585	13	563300	6461160	12E	10N	0	23	1	6	0.68	63	6.7	10.7	13.0	43.1	185	2.6	0.1	0.5	4.2
64L	801586	13	563300	6461160	12E	10N	23	8	1	7	0.52	68	6.6			12.5	222	3.7	0.1	1.5	3.8
64L	801587	13	563300	6461160	12E	10N	31	12	1	7	0.68	19	5.9	7.5	9.1	27.7	193	1.3	0.1	0.4	1.8
64L	801588	13	563300	6461160	12E	10N	43	9	1	7	0.80	47	6.5			24.1	160	1.6	0.1	1.7	3.4
64L	801589	13	563300	6461160	12E	10N	52	8	1	7	0.92	55	6.8					2.5	0.1	0.4	3.3
64L	801590	13	563300	6461160	12E	10N	60	9	1	7											
64L	801591	13	571400	6460550	12E	10N	0	18	1	3	0.50	45	6.2	6.4	7.8	36.4	218	4.9	0.1	0.9	2.3
64L	801592	13	571400	6460550	12E	10N	18	10	1	6	0.54	40	6.6	9.1	11.1	25.4	127	1.9	0.1	1.2	2.1
64L	801593	13	571400	6460550	12E	10N	28	7	1	6	0.56	64	6.9	12.3	15.0	26.2	150	2.5	0.1	0.4	7.4
64L	801594	13	571400	6460550	12E	10N	35	8	1	6	0.96	55	6.7	13.9	16.9	30.5	111	2.9	0.1	0.7	3.8
64L	801599	13	572630	6457870	12E	10N	0	29	1	3	0.86	132	6.2			88.2	113	8.2	0.1	0.7	3.8
64L	801600	13	572630	6457870	12E	10N	29	6	1	6	0.72	120	4.0			383.0	194	4.9	0.6	0.7	1.4

NEA-IAEA ATHABASCA BASIN - WOLLASTON LAKE TEST AREA
INTERSTITIAL PEAT WATERS - GEOCHEMICAL DATA

HAP SHEET	SAMPLE NUMBER	UTM ZN	UTM EAST	UTM NORTH	GRID LOCATION 100FT 100FT	SAMPLE TYPE	SAMPLE DEP THK CM	SAMPLE CM	SOIL HOR	COL	U PPB	COND μ MHOS	PH	CAC03 PPM	HCO3 PPM	ORG-C PPM	F PPM	CL PPM	PO4 PPM	NO3 PPM	SO4 PPM
741	801047	13	552940	6461450	68N 103W	71	82	5	1	6	0.20	76	6.9			77.4	220	1.3	0.1	1.6	4.7
741	801055	13	552940	6461450	68N 101W	71	29	8	1	3	0.16	69	4.3			84.4	91	1.8	1.1	1.0	1.2
741	801056	13	552940	6461450	68N 101W	71	37	12	1	3	0.16	62	4.0			57.1	98	1.2	0.1	0.3	1.5
741	801057	13	552940	6461450	68N 101W	71	49	12	1	3	0.24	48	4.4			64.6	116	1.2	0.1	1.0	1.8
741	801064	13	552940	6461450	68N 100W	71	23	8	1	3	0.05	60	4.0			76.7	94	2.6	0.1	0.4	1.5
741	801070	13	554130	6463000	136N 98W	71	0	25	1	3	0.10	115	4.3			163.2	140	5.0	1.0	0.7	1.8
741	801071	13	554130	6463000	136N 98W	71	25	8	1	6	0.05	74	4.8			86.9	109	3.6	3.8	0.9	1.3
741	801072	13	554130	6463000	136N 98W	71	33	8	1	6	0.05	115	7.2			63.5	228	7.7	0.1	1.9	2.7
741	801093	13	554130	6463000	136N 96W	71	0	15	1	3	0.05	65	4.6			78.0	101	2.1	0.1	0.6	1.8
741	801094	13	554130	6463000	136N 96W	71	15	12	1	6	0.12	34	4.4			41.4	94	0.9	0.1	0.4	1.7
741	801095	13	554130	6463000	136N 96W	71	27	13	1	3	0.05	34	4.7			48.7	94	0.6	0.1	0.4	1.2
741	801096	13	554130	6463000	136N 96W	71	40	10	1	3	0.10	36	4.9			47.2	134	0.7	0.1	0.5	1.8
741	801097	13	554130	6463000	136N 96W	71	50	11	1	3	0.05	41	5.0	4.8	5.9	65.0	113	0.6	0.1	0.5	1.6
741	801098	13	554130	6463000	136N 96W	71	61	14	1	3	0.05	58	5.6	3.2	3.9	84.1	126	1.0	0.1	0.7	1.7
741	801099	13	554130	6463000	136N 96W	71	75	7	1	3	0.16	61	5.5	19.8	24.1	91.8	174	1.2	0.1	1.0	2.9
741	801100	13	554130	6463000	136N 96W	71	82	11	1	3	0.24	96	6.8	16.6	20.2	104.6	140	1.3	0.1	1.8	2.8
741	801102	13	554130	6463000	136N 96W	71	93	9	1	6	0.05	99	6.5	18.2	22.1	124.1	155	1.3	0.1	1.2	2.0
741	801103	13	554130	6463000	136N 96W	71	102	8	1	6	0.24	91	6.4	9.6	11.7	86.0	162	1.4	0.1	1.5	2.6
741	801104	13	554130	6463000	136N 96W	71	110	10	1	7	0.05	123	6.7	21.9	26.7	94.8	189	1.5	0.1	0.6	3.5
741	801114	13	552940	6461450	136N 93W	71	0	13	1	3	0.22	43	4.3			59.8	131	1.5	0.1	0.3	1.4
741	801115	13	552940	6461450	136N 93W	71	13	14	1	3	0.05	41	4.8			49.3	155	1.0	0.1	0.5	1.5
741	801116	13	552940	6461450	136N 93W	72	27	10	1	6	0.05	41	4.5			51.9	165	1.0	0.1	0.6	1.5
741	801117	13	552940	6461450	136N 93W	72	37	12	1	6	0.12	62	6.7			44.1	247	2.3	0.1	0.8	7.0
741	801118	13	552940	6461450	136N 93W	72	49	15	1	6	0.05	64	5.6			86.4	214	1.4	0.1	1.1	2.7
741	801119	13	552940	6461450	136N 93W	72	64	12	1	6	0.05	77	6.0			99.5	140	1.2	0.1	1.5	2.0
741	801122	13	552940	6461450	136N 93W	72	76	14	1	6	0.16	81	6.2			124.4	190	1.3	0.1	1.6	2.5
741	801123	13	552940	6461450	136N 93W	72	90	9	1	6	0.12	93	6.1	9.1	11.1	128.0	288	1.1	0.3	1.8	4.2
741	801125	13	552940	6461450	136N 93W	72	99	10	1	6	0.05	100	7.2	12.3	15.0	114.9	216	2.6	0.1	1.7	3.0
741	801126	13	552940	6461450	136N 93W	73	109	13	1	6	0.05	84	6.1	10.7	13.0	77.9	159	3.3	0.1	1.0	2.5
741	801136	13	552940	6461450	136N 90W	71	0	18	1	3	0.05	41	4.3			54.2	120	0.8	0.1	0.6	1.2
741	801137	13	552940	6461450	136N 90W	71	18	8	1	6	0.10	34	4.5			49.5	103	1.0	0.1	0.7	0.9
741	801138	13	552940	6461450	136N 90W	71	26	13	1	3	0.05	52	5.3			74.3	173	1.0	0.1	1.0	2.0
741	801139	13	552940	6461450	136N 90W	71	39	6	1	6	0.05	70	6.2	0.5	0.7	84.4	197	1.7	0.1	1.4	2.8
741	801140	13	552940	6461450	136N 90W	71	48	6	1	6	0.05	72	4.7	8.0	9.8	81.6	81	4.3	0.1	1.7	2.0
741	801151	13	553250	6463100	124N 131W	71	0	30	1	3	0.05	48	4.8			80.3	160	1.9	0.1	0.5	5.6
741	801152	13	553250	6463100	120N 115W	71	30	10	1	3	0.05	120	6.8	25.6	31.3	75.0	133	6.0	0.5	0.7	1.2
741	801159	13	553600	6462770	120N 115W	71	0	28	1	3	0.24	45	4.8			66.2	117	2.8	0.1	0.7	1.2
741	801160	13	553600	6462770	120N 115W	71	28	8	1	6	0.24	68	4.2			79.7	110	3.1	0.1	0.3	1.6
741	801162	13	553600	6462770	120N 115W	71	36	12	1	6	0.12	154	6.0			49.3	129	3.4	0.1	0.5	55.2
741	801163	13	553600	6462770	120N 115W	71	48	7	1	7	0.12	53	4.8			53.2	125	2.9	3.2	0.5	2.2
741	801164	13	553600	6462770	120N 115W	71	56	7	1	3	0.05	40	4.9			44.6	129	2.1	0.1	0.5	2.5
741	801165	13	553540	6462680	116N 116W	71	0	22	1	3	0.42	128	5.4	3.7	4.6	100.5	160	7.4	0.1	1.9	6.1
741	801166	13	553540	6462680	116N 116W	71	31	8	1	3	0.05	42	6.3	5.9	7.2	58.1	159	1.6	0.1	0.5	2.0
741	801167	13	553540	6462680	96N 115W	71	0	20	1	3	0.05	328	8.1			61.7	240	40.6	0.1	0.9	5.0
741	801176	13	553130	6462100	96N 115W	71	20	10	1	7	0.34	67	4.3			69.0	155	4.8	0.1	0.3	2.0
741	801177	13	553130	6462100	96N 115W	72	30	4	1	1	0.30	48	4.4			49.6	123	3.5	0.1	0.4	2.6
741	801178	13	553130	6462100	100N 116W	71	25	8	1	1	0.10	98	7.0	27.2	33.2	42.5	120	5.0	0.1	1.5	
741	801185	13	553200	6462230	100N 116W	71	33	8	1	1	0.10	98	7.0								
741	801186	13	553200	6462230	100N 116W	71	33	8	1	1	0.10	98	7.0								
741	801187	13	553200	6462230	100N 116W	71	41	7	1	1	0.10	98	7.0								

NEA-IAEA ATHABASCA BASIN - WOLLASTON LAKE TEST AREA
INTERSTITIAL PEAT WATERS - GEOCHEMICAL DATA

HAP SHEET	SAMPLE NUMBER	UTM ZN	UTM EAST	UTM NORTH	GRID LOCATION	100FT	100FT	SAMPLE TYPE	DEPTH CM	DEPTH THK CM	SAMPLE SOIL	COND U	PH	CACO3 PPM	HCO3 PPM	ORG-C PPM	F PPM	CL PPM	PO4 PPM	NO3 PPM	SO4 PPM
741	801200	13	553470	6462600	112N	117W	71	71	22	13	1	3	0.10	4.7		92.3	100	3.9	0.2	0.5	1.0
741	801202	13	553470	6462600	112N	117W	71	71	35	5	1	6	0.10	6.1	5.9	47.7	123	7.0	0.1	0.8	2.0
741	801203	13	553470	6462600	112N	117W	85	85	40	4	8	9									
741	801204	13	553760	6462920	128N	114W	71	71	0	22	1	3									
741	801205	13	553760	6462920	128N	114W	72	72	22	10	1	6	0.05	5.2		41.8	319	3.9	0.1	0.2	5.8
741	801229	13	554860	6463150	156N	86W	71	71	0	24	1	3	0.20	3.9		93.6	119	6.2	3.1	0.5	2.2
741	801230	13	554860	6463150	156N	86W	71	71	24	12	1	3	0.05	4.0		73.0	104	2.5	1.1	0.2	1.1
741	801231	13	554860	6463150	156N	86W	71	71	36	18	1	3	0.05	6.8	19.8	59.9	195	7.6	0.1	1.5	2.9
741	801232	13	554860	6463150	156N	86W	71	71	54	14	1	3	0.05	4.6		58.3	114	3.0	0.1	1.1	1.6
741	801233	13	554860	6463150	156N	86W	72	72	68	14	1	6	0.05	7.5	42.7	48.0	240	6.3	0.1	2.8	4.0
741	801234	13	554860	6463150	156N	86W	72	72	82	10	1	6									
741	801235	13	554860	6463150	156N	86W	72	72	92	7	1	6	0.05	5.1		43.4	219	3.5	0.1	0.3	5.1
741	801236	13	554860	6463150	156N	86W	72	72	99	8	1	6	0.05	7.3		86.3	422	4.1	0.1	2.0	6.4
741	801237	13	554860	6463150	156N	86W	72	72	107	8	1	6	0.05	7.0		57.4	570	3.6	0.1	0.3	10.5
741	801238	13	554860	6463150	156N	86W	72	72	115	11	1	6	0.05	5.9		60.6	214	4.7	0.1	2.7	4.7
741	801248	13	554860	6463150	156N	90W	71	71	0	24	1	3	0.05	6.1	13.4	92.0	150	6.0	0.1	0.8	5.4
741	801249	13	554860	6463150	156N	90W	71	71	24	9	1	3	0.12	4.4		78.4	142	3.8	0.1	0.2	1.5
741	801250	13	554860	6463150	156N	90W	71	71	33	8	1	6	0.10	4.4		94.1	150	4.6	4.2	0.9	2.6
741	801252	13	554860	6463150	156N	90W	71	71	41	10	1	6	0.20	4.7		57.9	183	3.0	0.1	2.2	2.4
741	801253	13	554860	6463150	156N	90W	71	71	51	6	1	6									
741	801254	13	555200	6464140			71	71	0	32	1	3	0.42	5.3	1.6	48.9	175	5.0	0.1	1.3	3.7
741	801255	13	555200	6464140			71	71	32	8	1	6	0.42	3.9		94.3	125	2.4	2.5	0.6	1.6
741	801256	13	555200	6464140			71	71	40	14	1	3	1.02	3.9		110.0	138	1.4	0.1	0.6	1.7
741	801257	13	555200	6464140			71	71	54	9	1	3	0.16	4.8		83.4	438	2.5	0.1	0.7	6.5
741	801258	13	555200	6464140			71	71	63	6	1	3	0.05	4.6		106.6	170	2.6	0.1	1.7	2.9
741	801259	13	555200	6464140			72	72	69	9	1	6									
741	801260	13	555200	6464140			72	72	78	9	1	6	0.50	4.4		147.2	274	1.7	0.1	0.9	3.9
741	801262	13	555200	6464140			72	72	87	14	1	6	0.32	4.4		150.6	272	2.5	0.1	1.3	2.2
741	801263	13	555960	6466270			71	71	0	11	1	3									
741	801264	13	555960	6466270			71	71	11	14	1	7									
741	801265	13	555960	6466270			72	72	25	11	1	6	0.14	4.4		74.5	189	4.8	0.1	0.3	2.5
741	801266	13	555960	6466270			73	73	36	12	1	6									
741	801267	13	555960	6466270			71	71	0	8	1	3	0.05	4.7		164.6	300	10.7	35.1	1.8	12.0
741	801269	13	555960	6466270			71	71	8	13	1	7	0.16	5.8	11.8	135.5	260	9.4	0.1	2.0	7.6
741	801270	13	555960	6466270			72	72	21	11	1	7	0.10	6.0	4.8	42.6	209	6.7	0.1	1.4	2.1
741	801271	13	555960	6466270			73	73	32	8	1	7	0.05	5.4	0.5	29.4	187	4.7	0.1	0.5	2.2
741	801287	13	556550	6460070			72	72	34	10	1	7	0.05	5.9	2.1	26.0	161	2.5	0.1	0.3	2.7
741	801288	13	556550	6460070			72	72	44	12	1	7	0.44	6.3	4.3	37.4	153	1.7	0.1	1.2	2.8
741	801289	13	556550	6460070			73	73	56	12	1	7									
741	801290	13	556550	6460070			73	73	68	9	1	7				31.8	204	2.0	0.1	1.4	3.3
741	801291	13	556550	6460070			73	73	77	7	1	7									
741	801292	13	556550	6460070			73	73	85	7	1	7									
741	801293	13	556550	6460070			73	73	92	8	1	7	0.36	6.7	12.8	45.7	173	1.3	0.1	0.4	3.2
741	801294	13	556550	6460070			73	73	100	9	1	7	0.26	5.1		27.6	233	1.8	0.1	0.4	4.4
741	801295	13	556550	6460070			73	73	109	9	1	7	0.20	7.3	21.4	39.6	310	2.6	0.1	0.4	4.2
741	801296	13	556550	6460070			73	73	118	8	1	7	0.28	7.5		50.8	331	2.3	0.1	0.4	4.9