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**Gold and Zinc
in Decayed Vegetation at
Southwest of
Murphy Township,
Ontario, Canada**

On Claims :

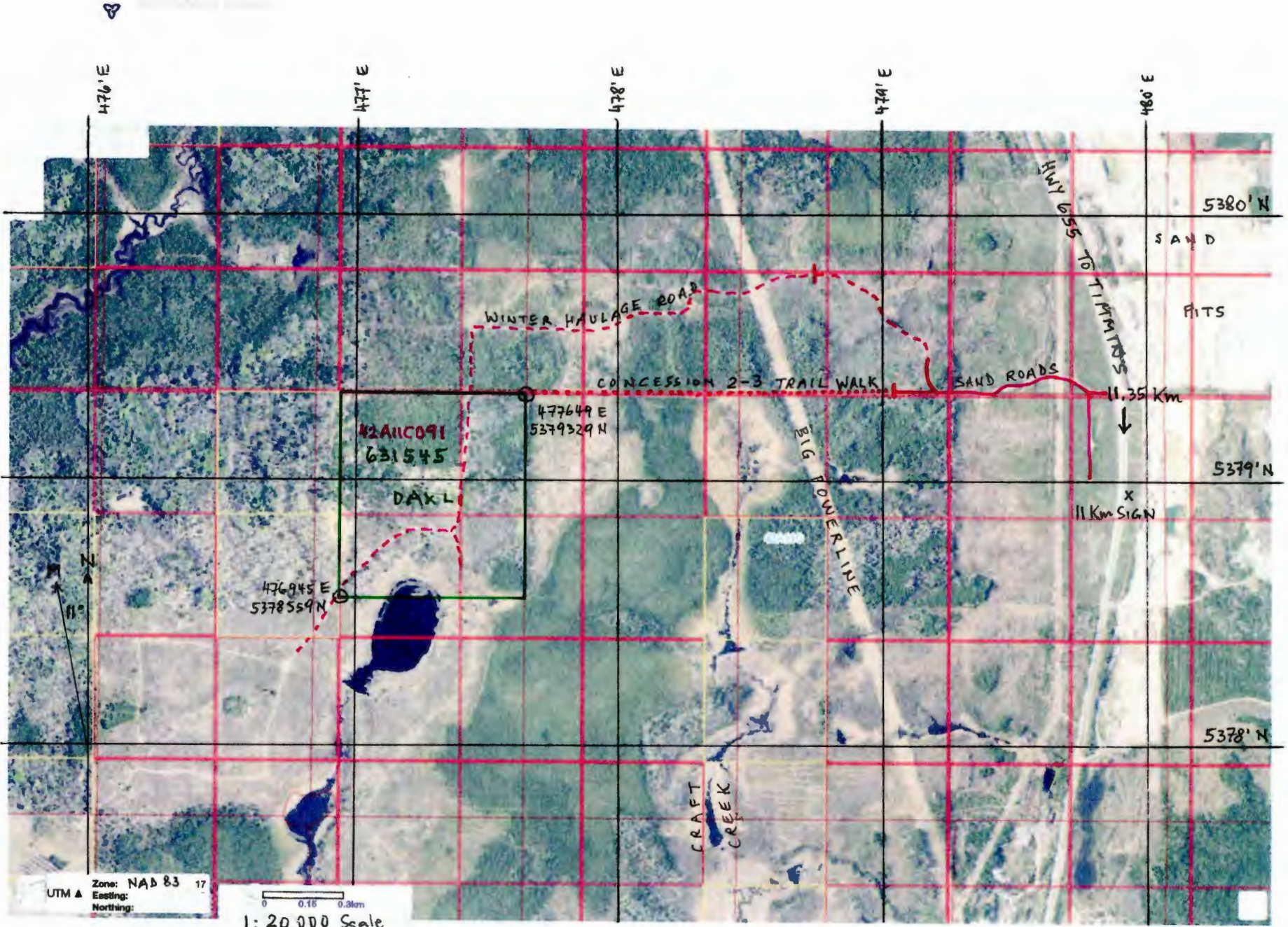
631545, 631546, 631547, 631548

In Respective Cells :

42A11C091, 42A11C111, 42A11C092, 42A11C112

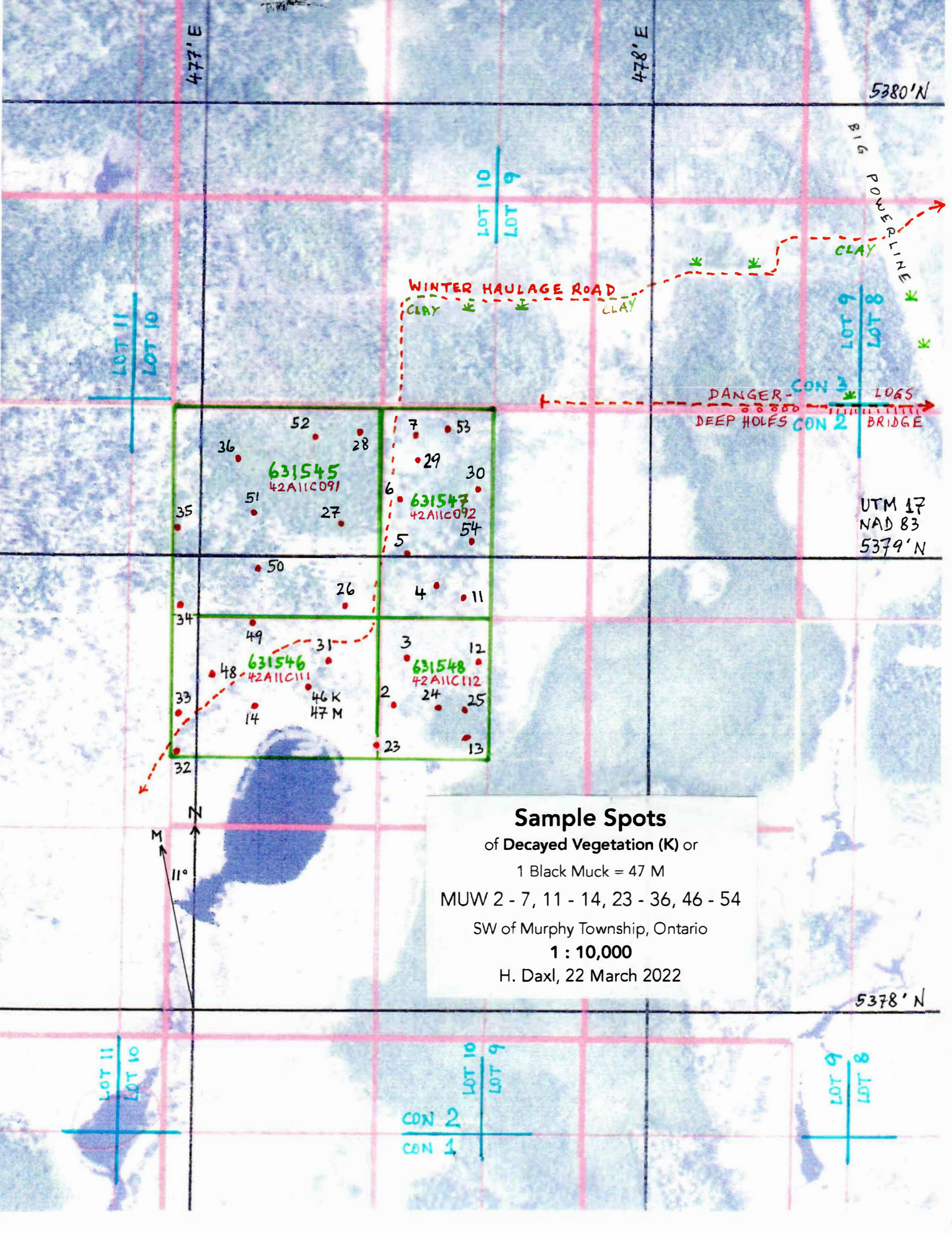
Report by Hermann Daxl, M.Sc.(Minex), Claim Holder

9 April 2022



UTM ▲
 Zone: NAD 83 17
 Easting:
 Northing:

0 0.15 0.30km
 1: 20,000 Scale



Sample Spots

of Decayed Vegetation (K) or

1 Black Muck = 47 M

MUW 2 - 7, 11 - 14, 23 - 36, 46 - 54

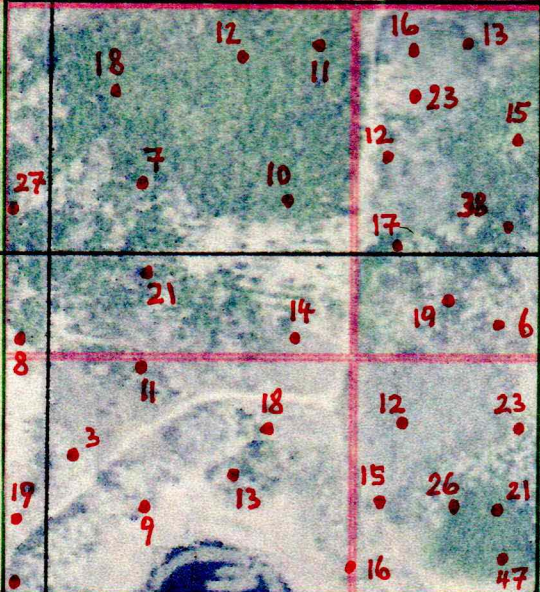
SW of Murphy Township, Ontario

1 : 10,000

H. Daxl, 22 March 2022

5380 000 m N

5379 000 m N



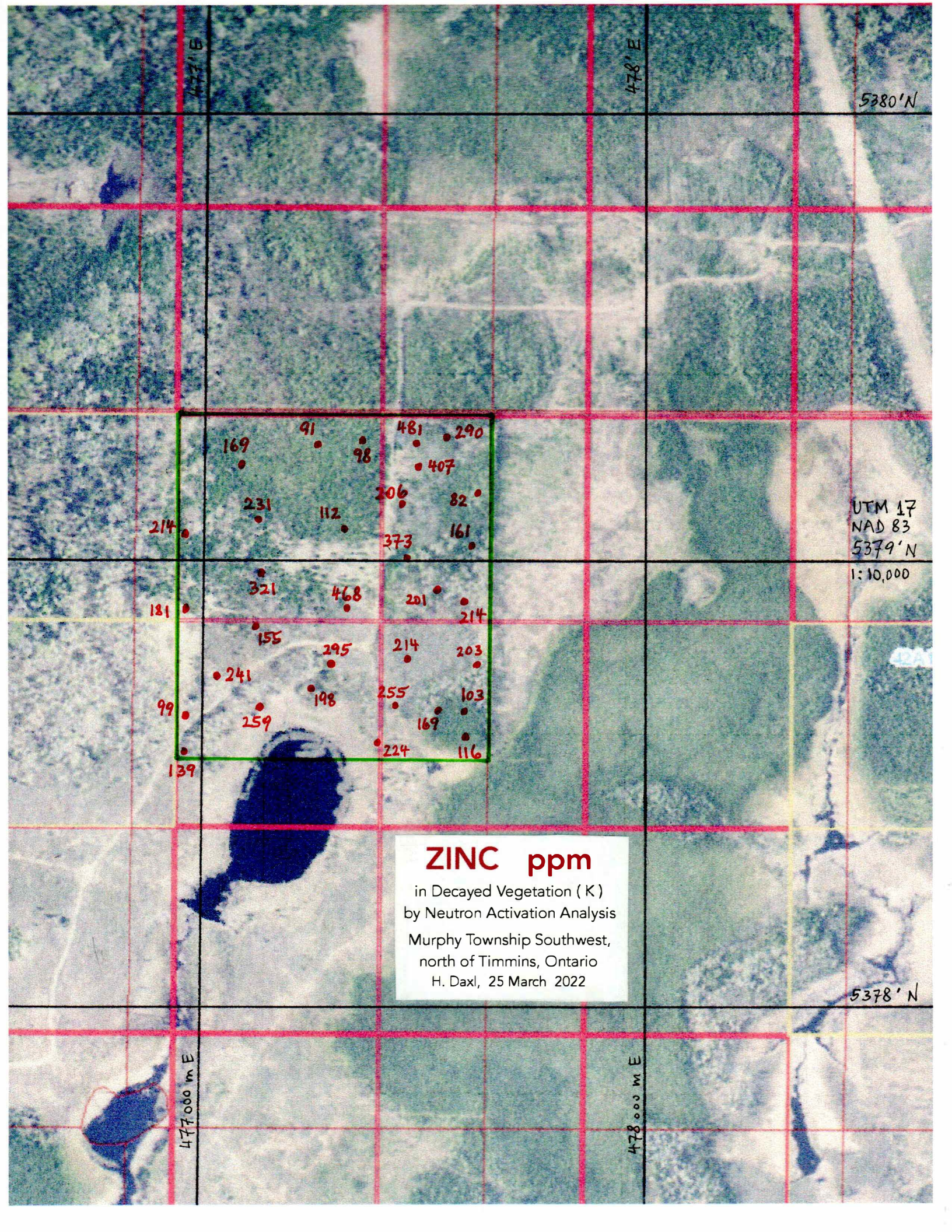
GOLD ppb

in Decayed Vegetation (K)
 by Neutron Activation Analysis
 Murphy Township Southwest,
 north of Timmins, Ontario
 H. Daxl, 25 March 2022

NAD 83
 UTM 17
 5378 000 m N
 Scale: 1:10,000

477 000 m E

478 000 m E



477°E

478°E

5380'N

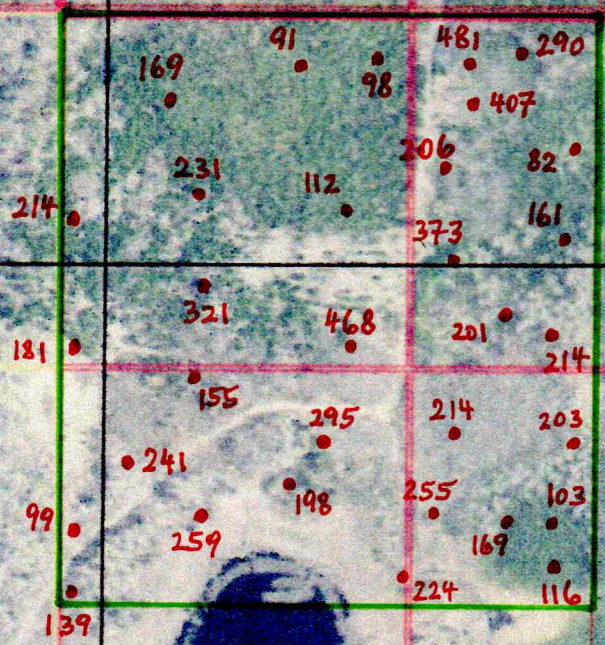
UTM 17
NAD 83
5379'N
1:10,000

477.000 m E

478.000 m E

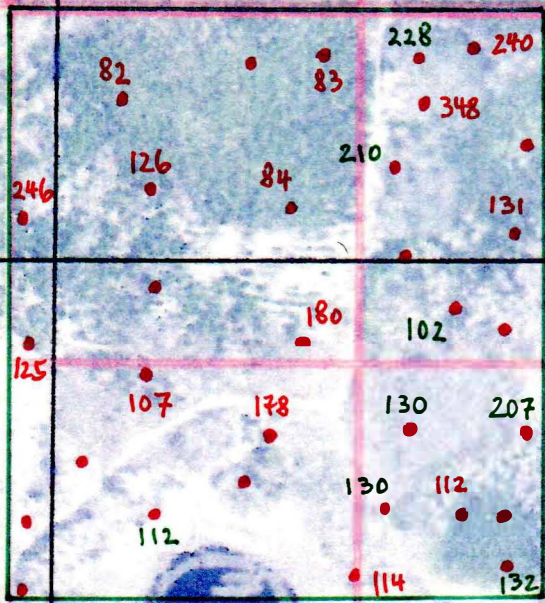
5378'N

ZINC ppm
in Decayed Vegetation (K)
by Neutron Activation Analysis
Murphy Township Southwest,
north of Timmins, Ontario
H. Daxl, 25 March 2022



Point ID	ZINC ppm
169	169
91	91
98	98
481	481
290	290
407	407
206	206
82	82
112	112
214	214
231	231
373	373
161	161
181	181
321	321
468	468
201	201
214	214
155	155
295	295
214	214
203	203
241	241
198	198
255	255
103	103
99	99
259	259
169	169
116	116
224	224
139	139

5380 000 m N



5379 000 m N

SILVER ppb

by ME-VEG41 / HNO3-HCl or
by ME-MS41L / aqua regia
(not all samples analyzed)
in Decayed Vegetation (K)
Murphy Township Southwest,
north of Timmins, Ontario
H. Daxl, 25 March 2022

NAD 83
UTM 17
5378 000 m N

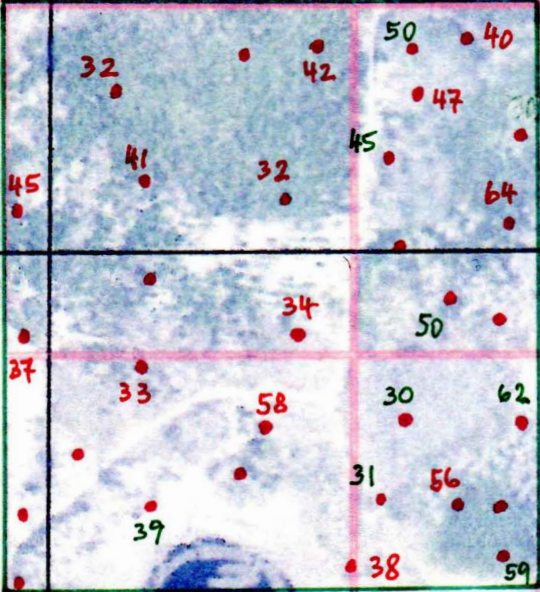
1: 10,000

477 000 m E

478 000 m E

5380 000 m N

5379 000 m N



27

COPPER ppm

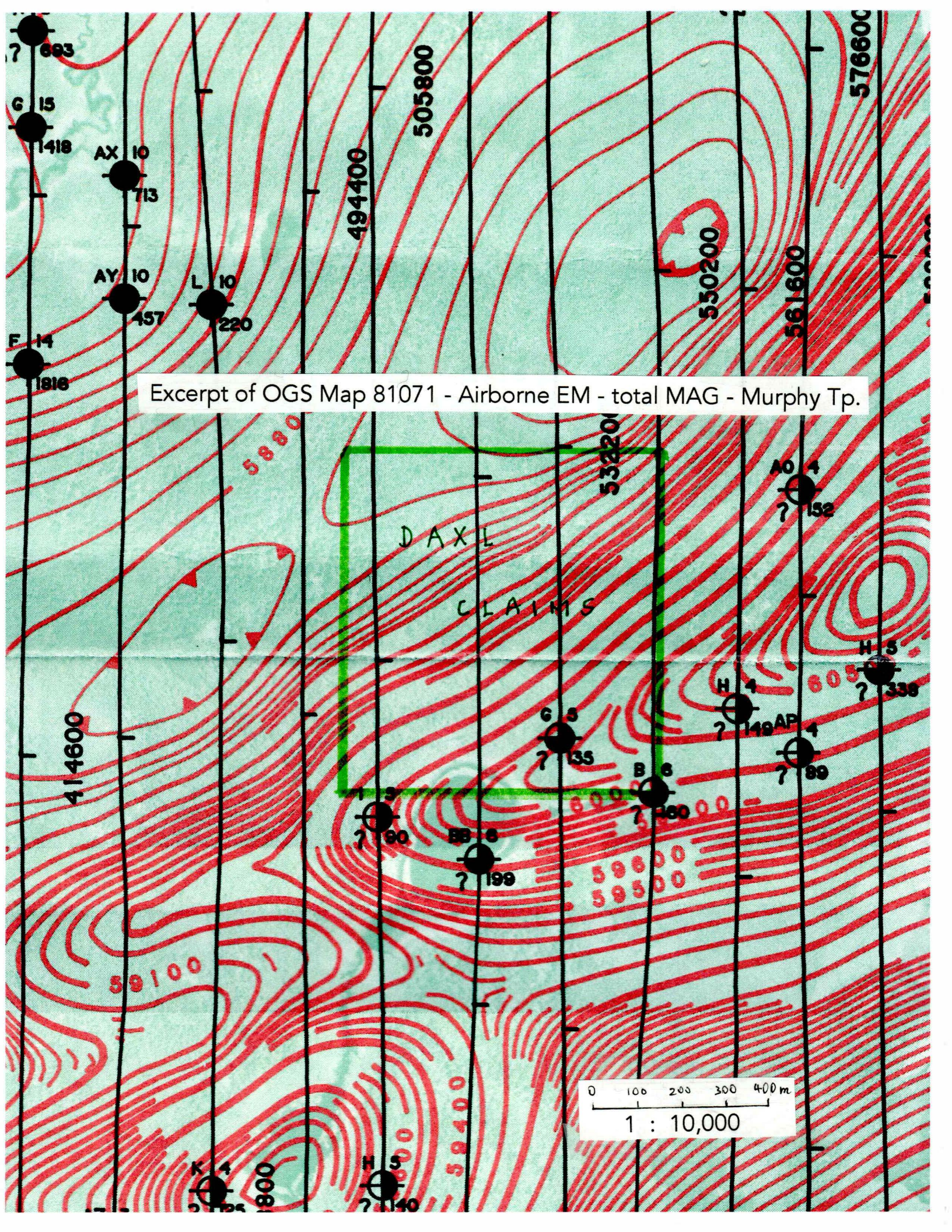
by ME-VEG41 / HNO3-HCl or
 by ME-MS41L / aqua regia
 (not all samples analyzed)
 in Decayed Vegetation (K)
 Murphy Township Southwest,
 north of Timmins, Ontario
 H. Daxl, 25 March 2022

NAD 83
 UTM 17
 5378 000 m N

1: 10,000

477 000 m E

478 000 m E



Excerpt of OGS Map 81071 - Airborne EM - total MAG - Murphy Tp.

DAXL
CLAIMS

0 100 200 300 400 m
1 : 10,000

Introduction

The < 47 ppb gold and < 481 ppm zinc in decayed vegetation throughout my 4 mining claims 631545, 631546, 631547, 631548 on crown land in the southwest of Murphy Township, Ontario, are considered moderately anomalous. Claim 631545 covers the full Ontario Grid cell 42A11C091, the other 3 are boundary claims.

Decayed vegetation from 0 - 6 cm depth (K) reflects excessive elements in the rock below, a fact that has been known since Agricola 500 years ago. Modern methods can extract and analyze them. I took 32 such K samples on 6 traverses from 4 June to 27 September 2021 and did all specialized preparation for the lab myself. Please refer to the attached maps and UTM list.

The flat topography on the claims rises about 3 m from the south. The ground is often swampy, but all on beige clay often at only 10 - 20 cm depth, and seldom at over 50 cm, as annotated on the sample results. The mixed forest is mostly mature but had been harvested on claim 631545. The winter haulage road is the only development.

Rocks on the OGS Map P.3305 are sedimentary in the northwest and felsic volcanic to ultramafic in the southeast of my claim group, with outcrops only some 200 m further SW and SE. The attached OGS Map 81071 shows the MAG high of the ultramafics and conductors near samples MUW 32, 2, 13.

Access from Highway 655 is at 11.35 km north of Timmins, 350 m after the 11 km sign, westward opposite a sandpit entrance, on the sand trail on concession 2 / 3 line, which becomes swampy after a westward slope from a barren basalt outcrop at NAD 83 - 479120 E - 5379331 N. It is treacherous after the big power line, along a row of bottomless ponds near 478268 E - 5379331 N where we rescued a moose from drowning in mud. The more northern winter haulage road is blocked at a creek at 478738 E - 5379776 N. Please refer to the attached maps.

Present Work

My present new method of soil sampling, namely decayed vegetation (K), is based on the centuries old knowledge that elements from ore deposits migrate to surface and directly, or indirectly through the plant cycle, accumulate in recent surface organic material. I improved the method by carefully selecting samples of like material and age, excluding any inorganic content which could dilute or contaminate a sample. This allows direct analyses with the necessary very low detection limits. Decayed vegetation is the only soil horizon useful for exploration, but deeper black swamp muck (M) under rare circumstances can also work for Cu, Au, Mo. Please refer to the annotations on the lab results.

After brushing aside loose material on the ground, a handful of the exposed rootlets with encrusted leaves, needles, bark, and mold was ripped up from each of several suitable dry spots, often around trees, over a 20 - 40 m area, and the GPS in their center noted. This decayed vegetation from 0 - 6 cm depth (K) made one sample. After drying in the sun, pounding and rolling to release the fines, the <250 micron sievings were homogenized by cross-lapping with a sheet of paper, and checked for any sand or silt (DT) content. Dry swirling of K to remove DT dregs was not necessary this time. Please search >youtube hermann daxl< to view videos.

Black swamp muck (M) sample MUW47 from 80 cm depth, 10 cm above beige silt, was taken at MUW46 (K) and as usual for M returned no gold nor zinc. The various re-analyses, also between batches as MUW16 to 21, 39, 40, 43, 56 to 60, and other test samples were acceptable, as annotated on the lab results. MUW37 versus swirled dregs MUW38, and MUW41, show that regional sand or silt carry no gold nor elements of interest, and therefore cannot contaminate, but with their higher density would dilute values significantly. Some fine panning also revealed no gold. MUW42 seems to confirm that less-decayed vegetation may return somewhat lesser values.

Analyses

I compacted the sievings into the 7 cm³ medium vials for instrumental neutron activation analysis, Code 2 B - vegetation, with double irradiation time at extra cost, by Activation Laboratories Limited. Such neutron activation analyses (INAA) are most suitable for gold and were plotted on the gold map without considering the less reliable gold results by ME-VEG41 - HNO₃-HCl, or even by ME-MS41L - super trace aqua regia, both done respectively by ALS Canada Ltd. on the 23 K-samples selected also for base metal analyses. Please refer to the attached maps for gold, zinc, silver, copper, and the five lab reports.

Gold values are moderately anomalous throughout the claims, but higher in the southeast with 47 ppb Au, than in the southwest. Zinc values are more moderately anomalous towards the northeast with 481 ppm Zn. Silver and lead are weakly anomalous only in the northeast corner, with highs of 348 ppb Ag in MUW29 and 69 ppm Pb in MUW35. Arsenic, mercury, copper and indium values are quite normal, and no other anomalies were discovered.

Conclusion and Recommendation

Logically the anomalous gold and zinc emanate from bedrock and are not limited to the MAG high with conductors in the southeast. Expansion of the present exploration over the neighbouring land, with somewhat tighter sampling, is recommended.

Respectfully submitted,

Timmins, 9 April 2022

by Hermann Daxl, M.Sc.(Minex), Claim Holder



Report No.: A21-12591
Report Date: 29-Jul-21
Date Submitted: 06-Jul-21
Your Reference: MUW-COL-VAR

Hermann Daxl
39-630 Riverpark Road
Timmins Ontario P4P 1B4
Canada

ATTN: Hermann Daxl

CERTIFICATE OF ANALYSIS

41 Vial samples were submitted for analysis. in medium vials (~7cm) packed with ~ 250 decayed vegetation

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
2B-16g NOT BRIQUETTES QOP INAA GEO (Vegetation INAA) 2021-07-16 12:39:49

See mass net by neutron activation, double irradiation time
REPORT A21-12591

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

Notes:

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



LabID: 266

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905.648.9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

CERTIFIED BY:

[Handwritten signature]

Emmanuel Esemé, Ph.D.
Quality Control
Coordinator

Decayed vegetation (K) sieved < 250 micron, by neutron activation - 2 B vegetation - double irradiation time - medium vials (see mass)
 no inorganic content

		Results										Activation Laboratories Ltd.					Report: A21-12591				
Analyte Symbol		Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hg	Hf	Ir	K	Mo	Na	Ni	Rb	Sb	Sc
Unit Symbol		ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	%	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.1	0.3	0.01	5	0.01	0.01	0.1	0.3	0.05	0.005	0.05	0.05	0.1	0.01	0.05	1	2	1	0.005	0.01
Analysis Method		INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
MUW 1	blank 151 M	<0.1 ✓	<0.3	1.58	43	19.70	2.60	<0.1	6.3	<0.05	0.290	0.13	0.22	<0.1	1.08	0.39	400	<2	<1	<0.005	0.75
MUW 2	K	15.2	<0.3	2.01	66	18.60	2.58	7.9	9.5	<0.05	0.440	0.11	<0.05	<0.1	0.91	0.90	822	<2	<1	0.300	1.40
MUW 3	K	11.8	<0.3	1.70	55	19.40	2.37	6.1	9.2	<0.05	0.440	0.11	0.13	<0.1	0.87	0.93	854	14	4	0.310	1.23
MUW 4	K	18.8	<0.3	1.95	36	20.70	1.66	2.5	8.2	<0.05	0.210	0.09	0.22	<0.1	0.98	<0.05	761	<2	<1	0.250	0.79
MUW 5	K	16.8	<0.3	2.16	111	17.90	0.49	5.2	9.3	<0.05	0.290	0.24	0.24	<0.1	0.94	<0.05	878	<2	1	0.360	0.91
MUW 6	K	12.4	<0.3	2.22	93	13.40	1.58	3.4	10.0	<0.05	0.420	0.26	0.30	<0.1	0.96	0.14	916	<2	<1	0.380	1.41
MUW 7	K	16.0	<0.3	1.74	275	13.20	3.24	5.9	10.0	<0.05	0.420	0.39	0.26	<0.1	1.19	<0.05	1240	<2	20	0.400	1.35
MUW 8	M blank	<0.1 ✓	<0.3	4.39	72	25.80	3.93	0.5	5.3	<0.05	1.160	<0.05	0.27	<0.1	0.85	<0.05	371	<2	<1	0.050	0.76
MUW 11	K	5.9	<0.3	1.24	58	20.00	1.98	4.7	5.6	<0.05	0.230	<0.05	<0.05	<0.1	0.98	<0.05	642	<2	<1	0.270	0.82
MUW 12	K	23.2	<0.3	2.39	151	17.60	2.34	0.9	9.7	0.16	0.330	0.54	0.28	<0.1	1.04	<0.05	897	<2	<1	0.280	1.04
MUW 13	K	46.9 ^{38.1}	<0.3	2.68	76	13.50	0.59	1.5	14.0	<0.05	0.360	0.48	0.41	<0.1	1.02	<0.05	1640	<2	<1	0.470	1.45
MUW 14	K	8.6 ^{12.5}	<0.3	1.91	48	15.30	1.72	1.4	7.6	<0.05	0.200	0.15	0.19	<0.1	1.00	<0.05	655	36	<1	0.200	0.72
MUW 16		9.9 ^{9.7}	<0.3	1.87 ^{1.44}	73	13.50	0.59	1.8	10.9	0.22	0.200 [✓]	0.32	<0.05	<0.1	0.62	<0.05	697 ⁵⁸⁰	<2	<1	0.300 [✓]	0.78
MUW 17	TESTS	6.2 [✓]	<0.3	2.37 [✓]	70 [✓]	17.70 [✓]	2.41 [✓]	2.60 [✓]	8.1	<0.05	0.330 ^{0.25}	0.15	0.54	<0.1	0.48	0.99 [✓]	1000 ⁷⁴⁷	<2	<1	0.380 [✓]	1.24
MUW 18	BETWEEN	9.9 ^{16.4}	<0.3	1.81 ^{2.85}	97	16.80	2.32 [✓]	2.5 [✓]	10.8 [✓]	<0.05	0.370 [✓]	0.15	0.44	<0.1	0.48	1.12	687 ⁷⁹¹	<2	8	0.290 [✓]	1.15 ^{1.35}
MUW 19	BATCHES	17.1 ^{23.3}	<0.3	2.27 ^{1.66}	416 ³⁴⁹	4.11	1.09 ^{0.23}	5.8 [✓]	49.8 [✓]	0.76	1.400 [✓]	<0.05	6.48 [✓]	<0.1	0.15	0.36	17600 [✓]	<2	42 [✓]	0.180	5.79 [✓]
MUW 20		8.0 ^{7.9}	<0.3	2.19 ^{1.32}	162 [✓]	12.10	2.44 [✓]	3.9 [✓]	19.9 [✓]	0.65 [✓]	0.720 [✓]	<0.05	1.55	<0.1	0.56	1.72 ^{0.69}	3220 ²⁸⁰⁰	<2	18	0.380	2.67
MUW 21	OREAS 45e	48.5 ^{53.5}	<0.3	14.90 [✓]	205 [✓]	3.37	<0.01	61.6 [✓]	994.0 [✓]	<0.05	23.400 [✓]	<0.05	6.30 ^{3.1}	<0.1	0.23 ^{0.52}	1.21 ^{1.40}	582 [✓]	516 [✓]	8	0.850 [✓]	93.70 [✓]

		Quality Control										Activation Laboratories Ltd.					Report: A21-12591				
Analyte Symbol		Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hg	Hf	Ir	K	Mo	Na	Ni	Rb	Sb	Sc
Unit Symbol		ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	%	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit		0.1	0.3	0.01	5	0.01	0.01	0.1	0.3	0.05	0.005	0.05	0.05	0.1	0.01	0.05	1	2	1	0.005	0.01
Analysis Method		INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
OREAS 45e (INAA)	Meas	54.9			256		<0.01	64.0	938.0	<0.05	24.100		5.70		0.34		685	407	<1		92.60
OREAS 45e (INAA)	Cert	53.0			246		0.06	59.0	1070.0	1.20	24.200		6.31		0.34		580	459	21		91.00
Method Blank		<0.1	<0.3	<0.01	<5	<0.01	<0.01	0.1	<0.3	<0.05	<0.005	<0.05	<0.05	<0.1	0.26	<0.05	<1	<2	<1	<0.005	<0.01

Results

Activation Laboratories Ltd.

Report: A21-12591

Analyte Symbol	Se	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Lu	Yb	Mass	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	INORGANIC TOP
Detection Limit	0.1	100	0.05	0.1	0.01	0.05	2	0.01	0.1	0.3	0.001	0.05	0.1	0.001	0.005	net	at cm depth
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	
MUW 1 blank (S1M)	< 0.1	< 100	< 0.05	0.9	0.08	< 0.05	3 < 2	2.98	6.1	< 0.3	0.280	0.05	< 0.1	< 0.001	0.220	2.59	
MUW 2 K	< 0.1	< 100	< 0.05	1.7	1.15	< 0.05	230 255	10.40	19.0	10.8	0.790	0.24	< 0.1	0.010	0.430	2.97	- 20 beige clay
MUW 3 K	< 0.1	< 100	< 0.05	1.1	0.27	< 0.05	201 214	7.07	13.1	7.9	0.570	0.21	< 0.1	0.010	0.320	2.85	- 20 " "
MUW 4 K	< 0.1	< 100	< 0.05	0.5	< 0.01	< 0.05	180 201	2.94	5.8	6.2	0.250	< 0.05	< 0.1	< 0.001	0.320	2.86	- 20 " "
MUW 5 K	< 0.1	< 100	< 0.05	0.7	< 0.01	< 0.05	373	3.05	5.8	< 0.3	0.290	0.11	< 0.1	< 0.001	0.220	3.00	- 15 " "
MUW 6 K	< 0.1	< 100	< 0.05	1.4	0.57	< 0.05	182 206	10.80	18.0	15.8	0.830	0.47	< 0.1	0.010	0.500	2.98	- 20 gray then beige
MUW 7 K	< 0.1	< 100	< 0.05	1.2	< 0.01	< 0.05	449 481	8.27	18.4	6.8	0.670	0.19	< 0.1	< 0.001	0.470	2.87	- 10 beige clay
MUW 8 M blank	< 0.1	< 100	< 0.05	1.2	0.38	< 0.05	40 45	2.43	4.2	3.6	0.250	0.05	< 0.1	< 0.001	0.220	3.01	
MUW 11 K	< 0.1	< 100	< 0.05	0.7	< 0.01	< 0.05	214	6.98	12.4	6.9	0.590	0.17	< 0.1	< 0.001	0.380	2.69	- 10 beige clay
MUW 12 K	< 0.1	< 100	< 0.05	0.8	< 0.01	< 0.05	208 203	6.63	12.2	5.9	0.580	0.13	< 0.1	< 0.001	0.320	2.81	- 10 " "
MUW 13 K	1.2	< 100	< 0.05	1.2	< 0.01	< 0.05	88 116	3.23	7.2	< 0.3	0.360	0.11	< 0.1	0.020	0.350	2.66	- >100 black muck (M)
MUW 14 K	< 0.1	< 100	< 0.05	0.8	< 0.01	< 0.05	219 259	2.12	4.6	2.9	0.190	< 0.05	< 0.1	< 0.001	0.090	2.74	- 10 beige clay
MUW 16	1.5	< 100	< 0.05	0.4	< 0.01	< 0.05	143	2.20	4.72	< 0.3	0.260	< 0.05	< 0.1	< 0.001	0.080	2.60	
MUW 17	< 0.1	< 100	< 0.05	1.3	1.11	< 0.05	102	6.31	9.2	5.8	0.660	0.13	< 0.1	0.040	0.290	3.04	
MUW 18	< 0.1	< 100	< 0.05	1.1	0.24	< 0.05	77	5.75	9.4	3.9	0.570	0.07	< 0.1	0.030	0.210	2.89	
MUW 19	< 0.1	< 100	< 0.05	4.6	0.81	< 0.05	44	18.40	29.2	12.2	2.130	0.64	< 0.1	0.070	0.900	6.76	
MUW 20	< 0.1	< 100	< 0.05	2.6	1.32	< 0.05	105	12.70	19.1	10.2	1.350	0.34	< 0.1	0.080	0.480	2.89	
MUW 21 OREAS 45 e	< 0.1	< 100	< 0.05	11.5	2.85	< 0.05	21	12.60	23.4	8.1	1.790	0.35	< 0.1	0.230	1.450	7.99	- STANDARD

Quality Control

Activation Laboratories Ltd.

Report: A21-12591

Analyte Symbol	Se	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Lu	Yb	Mass
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
Detection Limit	0.1	100	0.05	0.1	0.01	0.05	2	0.01	0.1	0.3	0.001	0.05	0.1	0.001	0.005	
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
OREAS 45e (INAA) Meas		< 100	< 0.05	13.1	2.45	< 0.05		11.20	23.3	9.4	1.400	0.63	< 0.1	0.310	1.470	
OREAS 45e (INAA) Cert		16	0.63	13.0	2.54	1.06		11.10	23.5	9.5	2.130	0.55	0.4	0.230	1.480	
Method Blank	< 0.1	< 100	< 0.05	< 0.1	< 0.01	< 0.05	< 2	< 0.01	< 0.1	< 0.3	< 0.001	< 0.05	< 0.1	< 0.001	< 0.005	10.00



Report No.: A21-20305
Report Date: 30-Nov-21
Date Submitted: 27-Oct-21
Your Reference: MUW2 - NA

Hermann Daxl
39-630 Riverpark Road
Timmins Ontario P4P 1B4
Canada

ATTN: Hermann Daxl

CERTIFICATE OF ANALYSIS

24 Vial samples were submitted for analysis. decayed vegetation (K) sieved < 250 micron in 7 cm^3 vials

Table with 2 columns: 'The following analytical package(s) were requested:' and 'Testing Date:'. Row 1: '2B-156 not briquettes', 'GOP INAA GEO (Vegetation INAA) - 2 B veg.', '2021-11-09 10:40:49'.

See mass net

by neutron activation, double irradiation time

REPORT A21-20305

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Notes:

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



LabID: 266

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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control
Coordinator

Decayed vegetation (K) sieved < 250 micron
no organic content (MUW 23-36) Results

By neutron activation - 2 B vegetation - double irradiation time - medium vials 7 cm³
Activation Laboratories Ltd. Report: A21-20305 (see mass)

Still Vol. %	Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hg	Hf	Ir	K	Mo	Na	Ni	Rb	Sb	Sc
DT	Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	%	ppm	ppm	ppm	ppm	ppm	ppm
	Detection Limit	0.1	0.3	0.01	5	0.01	0.01	0.1	0.3	0.05	0.005	0.05	0.05	0.1	0.01	0.05	1	2	1	0.005	0.01
	Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
+	MUW 22 blank M	<0.1	<0.3	1.69	<5	24.10	3.29	<0.1	6.7	<0.05	0.190	<0.05	0.52	<0.1	1.26	<0.05	437	<2	<1	0.140	0.74
+	MUW 23 K	16.1	<0.3	1.89	189	19.10	4.28	5.5	16.7	<0.05	0.770	0.40	0.29	<0.1	0.87	0.81	1360	<2	19	0.270	1.65
+	MUW 24 K	25.9	<0.3	2.30	<5	21.20	0.67	<0.1	9.0	<0.05	0.260	0.47	<0.05	<0.1	1.24	<0.05	985	<2	11	0.300	0.73
+	MUW 25 K	20.6	<0.3	2.95	<5	20.00	0.95	1.7	11.5	<0.05	0.340	0.68	0.21	<0.1	1.53	<0.05	1210	<2	5	0.310	0.84
+	MUW 26 K	13.7	<0.3	1.93	189	13.10	3.68	5.7	11.5	<0.05	0.490	0.55	0.25	<0.1	1.09	<0.05	1390	<2	7	0.290	1.21
+	MUW 27 K	9.7	<0.3	1.28	32	16.20	1.70	2.0	4.0	<0.05	0.170	0.10	0.11	<0.1	1.17	<0.05	714	<2	<1	0.190	0.49
+	MUW 28 K	11.2	<0.3	1.82	<5	18.00	0.76	1.7	6.8	<0.05	0.220	0.58	<0.05	<0.1	1.01	<0.05	841	<2	<1	0.320	0.62
+	MUW 29 K	23.3	<0.3	2.73	309	14.20	2.65	6.1	11.5	<0.05	0.520	0.67	0.28	<0.1	0.99	0.87	1560	<2	9	0.490	1.33
+	MUW 30 K	15.1	<0.3	2.34	<5	16.60	0.39	2.6	3.7	<0.05	0.370	0.47	<0.05	<0.1	1.56	<0.05	916	<2	8	0.370	1.05
+	MUW 31 K	18.2	<0.3	2.26	37	18.80	3.92	3.0	8.3	<0.05	0.290	0.10	0.09	<0.1	1.29	<0.05	740	<2	<1	0.280	0.71
+	MUW 32 K	5.1	<0.3	2.29	107	18.50	2.35	15.9	6.4	<0.05	0.540	0.49	0.14	<0.1	1.24	<0.05	669	<2	<1	0.350	0.60
+	MUW 33 K	19.3	<0.3	3.45	140	14.40	2.57	2.0	7.7	<0.05	0.280	0.79	0.13	<0.1	0.90	0.74	659	<2	<1	0.590	0.70
+	MUW 34 K	8.1	<0.3	1.55	<5	17.70	1.71	2.8	8.1	0.37	0.390	0.43	0.18	<0.1	1.20	0.81	810	<2	<1	0.300	1.23
+	MUW 35 K	27.3	<0.3	3.15	191	8.34	2.01	6.7	26.6	1.53	1.070	<0.05	1.74	<0.1	0.98	0.88	2820	<2	40	0.700	2.94
+	MUW 36 K	18.1	<0.3	1.43	<5	12.70	1.72	1.8	4.7	<0.05	0.180	0.07	<0.05	<0.1	1.23	<0.05	563	<2	6	0.260	0.74
2D	MUW 37 K	14.7	<0.3	2.56	152	10.80	<0.01	8.8	33.3	0.33	0.970	0.41	1.86	<0.1	1.05	<0.05	6740	<2	26	0.450	2.72
65D	MUW 38 OF MUW 37	4.7	<0.3	1.17	438	3.21	<0.01	5.6	58.0	0.39	1.130	<0.05	5.49	<0.1	0.70	0.44	19700	<2	14	0.180	4.95
+	MUW 39 K = MUW 13	34.1 ^{46.9}	<0.3	3.17	<5	12.60	0.47	<0.1	13.4	0.59	0.400	0.78	0.27	<0.1	1.07	1.32	1500	<2	<1	0.530	1.39
+	MUW 40 K = MUW 14	12.5 ^{8.6}	<0.3	1.89	<5	15.30	1.48	1.9	7.3	<0.05	0.190	<0.05	<0.05	<0.1	1.03	<0.05	579	<2	<1	0.300	0.67
100D	MUW 41 < 125 μm	3.4	<0.3	0.44	240	<0.01	2.52	6.7	72.9	0.33	1.390	<0.05	8.17	<0.1	<0.01	<0.05	20000	<2	24	0.060	7.45
2D	MUW 42 K	25.5	<0.3	2.46	229	9.94	1.19	<0.1	11.0	<0.05	0.430	<0.05	1.10	<0.1	1.20	<0.05	3330	<2	9	0.560	1.43
2D	MUW 43 KH = 7574	10.01 ^{9.0}	<0.3	8.78	139	23.30	<0.01	<0.1	18.6	<0.05	1.100	0.31	5.06	<0.1	1.23	4.15 ^{1.17}	4330 ³¹⁷⁰	<2	5	1.210	2.45
	MUW 44 DREAS 45 h	36.9 ⁴¹	<0.3	16.10	197	6.23	<0.01	91.5	654.0	1.00	20.500	<0.05	5.76	<0.1	0.41	4.62	1000	468	<1	0.650	55.00
	MUW 45 Shaft test	120.0	<0.3	56.50	218	9.79	2.39	20.5	56.4	0.58	2.090	0.47	1.76	<0.1	1.31	<0.05	6120	121	12	0.700	11.10

MUW 37 - MUW 45 ARE TESTS - ALL OK

MUW 38 < 125 Dregs swirled from MUW 37 shows that regional sand carries no gold at 9350 E - 9500 N.

MUW 39 - 40 reanalyzed same sievings show that different batches give quite similar results.

MUW 41 < 125 leached white sand-silt in place at 9120 E - 9331 N carries no gold.

MUW 42 is 2nd nub. Shows that less-decayed organics give only somewhat lower values, 26 vs. 38 ppb Au.

MUW 43 = 7574 KH 2D 125-250, same sievings same in 2018.

MUW 44 Standard DREAS 45 h, OK.

MUW 45 High-value test, OK, decayed vegetation test.

Results

Activation Laboratories Ltd.

Report: A21-20305

Stk U	Analyte Symbol	Se	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Lu	Yb	Mass	
Vol. %	Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	
D Sand	Detection Limit	0.1	100	0.05	0.1	0.01	0.05	2	0.01	0.1	0.3	0.001	0.05	0.1	0.001	0.005	net	
T Silt	Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	
	MUW 22 blank M	<0.1	<100	<0.05	1.2	0.11	<0.05	<2	3.73	9.0	<0.3	0.400	<0.05	<0.1	<0.001	0.080	2.76	INORGANIC TOP at cm depth blank M
⊕	MUW 23 K	<0.1	<100	<0.05	2.5	0.16	<0.05	224	12.30	20.3	16.6	1.030	0.63	<0.1	<0.001	0.380	3.15	10 - beige clay
⊕	MUW 24 K	<0.1	<100	<0.05	0.7	<0.01	<0.05	169	2.30	5.7	1.8	0.290	<0.05	<0.1	0.010	0.050	2.74	100 - gray clay
⊕	MUW 25 K	<0.1	<100	<0.05	0.7	<0.01	0.69	103	2.76	5.5	<0.3	0.350	<0.05	<0.1	<0.001	0.080	2.71	50 - greenish clay
⊕	MUW 26 K	<0.1	<100	<0.05	0.7	<0.01	<0.05	468	7.41	12.1	2.4	0.670	0.08	<0.1	<0.001	0.210	3.13	10 - beige clay
⊕	MUW 27 K	<0.1	<100	<0.05	0.6	<0.01	<0.05	112	1.98	3.5	0.7	0.250	<0.05	<0.1	<0.001	0.110	2.66	50 - " "
⊕	MUW 28 K	<0.1	<100	<0.05	0.6	<0.01	<0.05	98	2.13	8.2	<0.3	0.240	<0.05	<0.1	0.020	0.050	2.59	30 - " "
⊕	MUW 29 K	<0.1	<100	<0.05	1.3	0.09	<0.05	407	6.19	11.5	2.2	0.670	<0.05	<0.1	0.010	0.260	3.20	5 - " "
⊕	MUW 30 K	<0.1	<100	<0.05	1.5	<0.01	<0.05	82	8.76	15.3	7.9	0.960	0.33	<0.1	0.070	0.320	2.51	10 - " "
⊕	MUW 31 K	<0.1	<100	<0.05	0.7	<0.01	<0.05	295	6.57	8.9	5.3	0.540	0.07	<0.1	0.030	0.300	3.04	30 - " "
⊕	MUW 32 K	<0.1	200	<0.05	0.8	0.47	<0.05	139	5.03	13.3	2.8	0.510	<0.05	<0.1	0.040	0.260	3.00	20 - " "
⊕	MUW 33 K	<0.1	<100	<0.05	0.5	0.21	<0.05	99	3.85	6.0	<0.3	0.340	<0.05	<0.1	0.030	0.070	3.09	20 - " "
⊕	MUW 34 K	<0.1	<100	<0.05	1.5	0.11	<0.05	181	10.30	17.3	3.7	1.270	0.36	<0.1	0.010	0.420	2.64	20 - " "
⊕	MUW 35 K	<0.1	<100	<0.05	2.9	0.68	<0.05	214	9.66	16.2	15.5	1.220	0.33	<0.1	0.050	0.440	3.36	10 - " "
⊕	MUW 36 K	<0.1	<100	<0.05	0.9	0.08	<0.05	169	4.81	8.6	11.4	0.570	<0.05	<0.1	<0.001	0.060	2.88	40 - " "
2 D	MUW 37 K	<0.1	<100	<0.05	2.0	<0.01	<0.05	197	7.67	14.1	2.8	1.240	0.31	<0.1	0.030	0.420	3.39	
65 D	MUW 38 OF MUW 37	<0.1	500	<0.05	5.1	0.72	<0.05	9	16.10	27.9	11.1	2.220	0.76	<0.1	0.110	0.760	7.93	
⊕	MUW 39 K = MUW 13	<0.1	<100	<0.05	0.9	<0.01	<0.05	93 ✓	2.93 ✓	5.8 ✓	1.3	0.510	<0.05	<0.1	0.040	0.280	2.78	
⊕	MUW 40 K = MUW 14	<0.1	<100	<0.05	0.4	<0.01	<0.05	227 ✓	2.19 ✓	4.0 ✓	<0.3	0.320	<0.05	<0.1	<0.001	0.030	2.79	
100 D	MUW 41 < 125	<0.1	<100	<0.05	4.8	0.97	<0.05	17	15.60	26.4	11.3	2.160	0.57	<0.1	0.150	0.940	9.77	
2 D	MUW 42 K	<0.1	<100	<0.05	1.3	<0.01	<0.05	218	4.33	8.3	<0.3	0.630	0.06	<0.1	0.050	0.330	2.80	
2 D	MUW 43 KH = 7574	<0.1	<100	<0.05	5.1	1.53	<0.05	<2	28.10	56.9 ✓	31.1 ^{19.7}	5.890 ^{4.5}	1.16	2.0	1.110 ^{0.9}	5.460 ^{5.89}	3.02	
	MUW 44 OREAS 45h	<0.1	<100	0.57	7.9	1.44	<0.05	26 ³⁷	14.00	27.5	12.2	2.690	0.91	<0.1	0.280	1.680	8.13	
	MUW 45 Shaft test	<0.1	<100	<0.05	1.7	0.54	<0.05	241 ✓	6.17 ✓	14.20	7.4	1.310	0.38	<0.1	0.070	0.910	3.34	

Quality Control

Activation Laboratories Ltd.

Report: A21-20305

Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hg	Hf	Ir	K	Mo	Na	Ni	Rb	Sb	Sc
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	%	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.3	0.01	5	0.01	0.01	0.1	0.3	0.05	0.005	0.05	0.05	0.1	0.01	0.05	1	2	1	0.005	0.01
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
OREAS 45d (INAA) Meas	22.9			186		<0.01	31.4	561.0	4.31	15.000		9.29		0.43		1060	523	45		48.30
OREAS 45d (INAA) Cert	23.0			183		0.19	31.3	585.0	3.94	14.800		8.90		0.43		970	234	42		49.00
Method Blank	<0.1	<0.3	<0.01	<5	<0.01	<0.01	0.2	<0.3	<0.05	<0.005	<0.05	<0.05	<0.1	0.31	<0.05	<1	<2	<1	<0.005	0.05

Quality Control

Activation Laboratories Ltd.

Report: A21-20305

Se	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Lu	Yb	Mass
ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
0.1	100	0.05	0.1	0.01	0.05	2	0.01	0.1	0.3	0.001	0.05	0.1	0.001	0.005	
INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
	<100	<0.05	15.9	2.59	<0.05		18.70	38.6	14.7	3.280	0.71	<0.1		2.120	
	33	1.30	15.0	3.00	1.97		17.30	38.0	14.5	3.170	0.67	0.5		2.170	
<0.1	<100	<0.05	<0.1	<0.01	<0.05	<2	<0.01	<0.1	<0.3	0.030	<0.05	<0.1	<0.001	<0.005	10.00



Report No.: A22-00225
Report Date: 04-Apr-22
Date Submitted: 10-Jan-22
Your Reference: MUW 3-655-NA

Hermann Daxl
39-630 Riverpark Road
Timmins Ontario P4P 1B4
Canada

ATTN: Hermann Daxl

CERTIFICATE OF ANALYSIS

33 Vial samples were submitted for analysis. Compacted with < 250 microm decayed vegetation sievings

Table with 2 columns: Analytical package(s) requested, Testing Date. Row 1: 2B-15g 7cm3 - see mass net, QOP INAA GEO (Vegetation INAA), 2022-03-28 19:58:19

Neutron activation Code 2B - Vegetation, double irradiation time, not briquettes

REPORT A22-00225

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Notes:

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



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CERTIFIED BY:

[Signature]

Emmanuel Esemé, Ph.D.
Quality Control
Coordinator

Decayed vegetation sieved < 250 micron, from 0-6 cm depth (K)
no inorganic content

By neutron activation - Code 2B Vegetation,
double irradiation time - 7cm³ medium vials.

Results

Activation Laboratories Ltd.

Report: A22-00225

Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hg	Hf	Ir	K	Mo	Na	Ni [?]	Rb	Sb	Sc
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	%	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.3	0.01	5	0.01	0.01	0.1	0.3	0.05	0.005	0.05	0.05	0.1	0.01	0.05	1	2	1	0.005	0.01
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
COF 2 blank ✓	<0.1	<0.3	<0.01	<5	15.70	0.18	1.1	<0.3	<0.05	0.030	<0.05	<0.05	<0.1	2.07	<0.05	68	<2	35	<0.005	0.16
MUW 46 K	13.4	<0.3	2.17	59	18.00	1.19	1.7	12.3	<0.05	0.250	0.14	<0.05	<0.1	2.70	0.74	754	<2	<1	0.130	0.85
MUW 47 M 80 cm	<0.1	<0.3	1.93	<5	23.80	3.63	<0.1	3.6	<0.05	0.500	<0.05	0.18	<0.1	2.78	5.12 [?]	363	<2	<1	0.150	0.93
MUW 48 K	3.3	<0.3	1.77	73	15.30	2.71	2.5	8.4	<0.05	0.260	0.86	0.16	<0.1	2.97	<0.05	517	<2	<1	0.290	0.73
MUW 49 K	10.8	<0.3	1.61	<5	12.60	1.38	3.0	9.3	<0.05	0.210	0.47	<0.05	<0.1	3.13	<0.05	465	<2	8	0.250	0.69
MUW 50 K	20.9	<0.3	1.96	138	13.90	1.73	4.8	7.2	<0.05	0.240	<0.05	<0.05	<0.1	2.76	<0.05	616	<2	<1	0.240	0.86
MUW 51 K	7.3	<0.3	1.30	<5	13.40	2.09	3.8	7.1	<0.05	0.320	0.41	<0.05	<0.1	3.00	<0.05	554	<2	<1	0.220	0.85
MUW 52 K	11.6	<0.3	1.33	<5	16.30	0.47	1.3	6.3	<0.05	0.080	0.72	0.23	<0.1	3.40	<0.05	610	<2	<1	0.180	0.66
MUW 53 K	12.9	<0.3	3.41	268	12.80	2.19	7.6	23.5	0.46	0.870	0.48	1.19	<0.1	1.77	<0.05	1950	<2	7	0.430	2.40
MUW 54 K	38.2	<0.3	2.59	92	19.00	<0.01	4.1	9.5	<0.05	0.430	0.78	0.18	<0.1	2.70	<0.05	1040	41	5	0.380	1.25
MUW 55 OREAS 45h	36.2 ⁴¹	<0.3	14.80 ✓	317 ✓	6.76	<0.01	89.7 ✓	650.0 ✓	1.16 ²³	21.400 ✓	<0.05	5.27 ^{3b}	<0.1	0.12	6.54 ^{1.5}	950 ✓	656 ⁴²³	13	0.310	53.60 ✓
MUW 56 = MUW 12	15.5 ^{23.2}	<0.3	2.10 ✓	109 ¹⁵¹	18.70 ✓	1.74 ^{2.3}	4.90 ⁹	11.5 ✓	<0.05	0.360 ✓	0.61 ✓	0.17	<0.1	2.45 ^{1.04}	0.33	799 ✓	<2	<1	0.300 ✓	1.00 ✓
MUW 57 = MUW 23	5.3 ^{16.1}	<0.3	2.27 ✓	108 ¹⁸⁴	17.60 ✓	3.130 ^{4.3}	5.0 ✓	14.1 ✓	1.04 ⁸	0.750 ✓	<0.050	0.52	<0.1	2.07 ^{0.9}	<0.05 ^{0.3}	1160 ✓	<2	2 ¹⁹	0.210 ✓	1.97 ✓
MUW 58 = MUW 32	10.1 ^{5.1}	<0.3	2.14 ✓	<5 ¹⁰⁷	17.40 ✓	2.79 ✓	16.1 ✓	6.9 ✓	<0.05	0.630 ✓	0.45 ✓	0.18 ✓	<0.1	2.26 ^{1.2}	0.48 ^{1.1}	620 ✓	<2	5	0.3200	0.76 ✓
MUW 59 = LG 21 *	90.4 ³⁶	<0.3	4.50 ✓	30	20.00 ✓	<0.01	2.3 ✓	17.6 ✓	<0.05	0.500 ✓	0.91 ✓	0.80	<0.1	3.24 ^{1.1}	<0.05	1750 ✓	<2	<1	0.620 ✓	1.53 ✓
MUW 60 = LG 33	30.4 ³⁶	<0.3	4.05 ✓	<5	14.20 ✓	0.68	3.4 ✓	15.7 ✓	<0.05	0.640 ✓	0.12 ^{0.99}	0.28 ✓	<0.1	2.72 ^{0.4}	<0.050	1790 ✓	<2	<1	0.600 ✓	1.66 ✓

* Aplite bedrock influence at 10 cm

Quality Control

Activation Laboratories Ltd.

Report: A22-00225

Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hg	Hf	Ir	K	Mo	Na	Ni	Rb	Sb	Sc
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	%	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.3	0.01	5	0.01	0.01	0.1	0.3	0.05	0.005	0.05	0.05	0.1	0.01	0.05	1	2	1	0.005	0.01
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
OREAS 45d (INAA) Meas	25.0			136		<0.01	30.9	571.0	4.08	16.100		8.65		0.43		984	351	43		48.50
OREAS 45d (INAA) Cert	23.0			183		0.19	31.3	585.0	3.94	14.800		8.90		0.43		970	234	42		49.00
Method Blank	<0.1	<0.3	<0.01	<5	<0.01	<0.01	<0.1	<0.3	<0.05	<0.005	<0.05	<0.05	<0.1	1.02	<0.05	<1	<2	<1	<0.005	<0.01

Results

Activation Laboratories Ltd.

Report: A22-00225

Analyte Symbol	Se	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Lv	Yb	Mass	Inorganic top at cm depth
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	
Detection Limit	0.1	100	0.05	0.1	0.01	0.05	2	0.01	0.1	0.3	0.001	0.05	0.1	0.001	0.005	net	
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	
COF 2 blank ✓	<0.1	<100	<0.05	<0.1	<0.01	<0.05	<2	0.86	<0.1	<0.3	0.060	<0.05	<0.1	<0.001	<0.005	3.56	- Coffee Lavazza (r+Gusto)
MUW 46 K	0.9	<100	<0.05	1.0	<0.01	<0.05	198	2.52	5.2	<0.3	0.340	<0.05	<0.1	<0.001	0.140	2.89	- 90 beige silt
MUW 47 M 80 cm	<0.1	<100	<0.05	1.5	2.32	<0.05	<2	5.49	10.9	2.8	0.640	0.21	<0.1	0.010	0.310	2.80	- black muck from 80cm
MUW 48 K	<0.1	<100	<0.05	1.2	0.77	<0.05	241	3.88	8.7	8.9	0.380	<0.05	<0.1	0.010	0.080	2.86	- 20 beige clay
MUW 49 K	<0.1	<100	<0.05	0.6	0.21	<0.05	155	6.27	9.5	<0.3	0.650	<0.05	<0.1	<0.001	0.060	2.63	- 50 " "
MUW 50 K	<0.1	<100	<0.05	0.8	<0.01	<0.05	321	6.35	10.0	6.8	0.580	<0.05	<0.01	0.020	0.220	2.83	- 10 " "
MUW 51 K	<0.1	<100	<0.05	0.8	<0.01	<0.05	231	11.50	19.1	14.6	1.100	0.11	<0.1	0.040	0.190	2.72	- 20 " "
MUW 52 K	<0.1	<100	<0.05	1.1	<0.01	<0.05	91	3.25	2.2	<0.3	0.320	<0.05	<0.1	<0.001	<0.005	2.32	- 70 greenish clay
MUW 53 K	<0.1	<100	<0.05	2.3	0.20	<0.05	290	12.50	23.2	21.5	1.520	0.27	<0.1	0.040	0.490	3.04	- 10 beige clay
MUW 54 K	<0.1	<100	<0.05	1.3	<0.01	<0.05	161	4.96	8.2	<0.3	0.580	<0.05	<0.1	0.010	0.090	2.65	- 20 gray-beige clay
MUW 55 OREAS 45 h	<0.1	<100	<0.05	7.4 ✓	1.70 ✓	<0.05	<2 ⁴⁰	13.80 ✓	30.8 ²⁴	11.4 ✓	20400 ✓	0.75 ✓	<0.1	0.290 ✓	1.630 ✓	8.14	TESTS BETWEEN BATCHES OK
MUW 56 = MUW 12	<0.1	<100	<0.05	0.9 ✓	<0.01	<0.05	200 ✓	7.48 ✓	13.8 ✓	3.2 ^b	0.890 ^{0.58}	0.18	<0.1	0.040	0.270 ^{0.3}	2.86	
MUW 57 = MUW 23	<0.1	<100	<0.05	2.0 ✓	0.34	<0.05	174 ²²	11.60 ✓	19.9 ✓	3.2 ¹⁷	1.260 ✓	0.09	<0.1	0.050	0.140 ^{0.4}	3.01	
MUW 58 = MUW 32	<0.1	<100	<0.05	0.9 ✓	0.96 ✓	<0.05	114 ¹⁹	5.78 ✓	12.3 ✓	2.6 ✓	0.630 ✓	0.08	<0.1	<0.001	0.310 ✓	2.89	
MUW 59 = LG 21	1.2	<100	<0.05	1.3	<0.01	<0.05	161 ¹³	4.40 ✓	13.8 ✓	2.3	0.620 ✓	<0.05	<0.1	0.0600 ✓	0.310 ✓	2.56	
MUW 60 = LG 33	<0.1	<100	<0.05	1.2	<0.01	<0.05	101 ⁹⁰	5.53 ^{3.6}	10.30	3.3	0.730	0.05	<0.1	0.040	0.360 ✓	2.57	

Quality Control

Activation Laboratories Ltd.

Report: A22-00225

Analyte Symbol	Se	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Lv	Yb	Mass
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
Detection Limit	0.1	100	0.05	0.1	0.01	0.05	2	0.01	0.1	0.3	0.001	0.05	0.1	0.001	0.005	
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
OREAS 45d (INAA) Meas		<100	<0.05	15.5	2.91	<0.05		18.00	39.3	16.3	3.060	0.67	<0.1		2.020	
OREAS 45d (INAA) Cert		33	1.30	15.0	3.00	1.97		17.30	38.0	14.5	3.170	0.67	0.5		2.170	
Method Blank	<0.1	<100	<0.05	<0.1	<0.01	<0.05	<2	<0.01	<0.1	<0.3	<0.001	<0.05	<0.1	<0.001	<0.005	10.00



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To: HERMANN DAXL
 39-630 RIVERPARK RD
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Page: 1
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 21-AUG-2021
 Account: DAXHER

CERTIFICATE VA21173801

P.O. No.: MUW-CL-VEG
 This report is for 23 samples of ^{Decayed}Vegetation submitted to our lab in Vancouver, BC, Canada on 6-JUL-2021.
 The following have access to data associated with this certificate:
 HERMANN DAXL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21q	Received Wet Sample Wt in grams
LOG-22	Sample login - Rcd w/o BarCode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-VEG41	Vegetation - HNO3/HCl ICPAES-ICPMS	

< 250µm sievings, analyze as is, unashed - 1g aliquots

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

Signature: 
 Saa Traxler, General Manager, North Vancouver

Decayed vegetation 0-6 cm depth (K), except black muck (M) at 70 cm, sieved < 250 µm except MUW 10, no inorganic content except 10% sand in MUW 10, unashed, by HNO₃-HCl - ICP/AES/MS - 1 g aliquots.

ALS Canada Ltd. - VA21173801	VA21173801	VA21173801	VA21173801	VA21173801	VA21173801	VA21173801	
Sample	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	
Description	Au*	vs. INNA	Ag	Al	As	B	Ba
	ppb	INNA	ppm	%	ppm	ppm	ppm
MUW 1 blank 151 M	0.2	<0.1	0.026	0.15	1.50	6	17.1
MUW 2 K 0	6.1	15.2	0.130	0.28	1.76	17	62.9
MUW 3 K 0	3.7	11.8	0.130	0.23	1.74	11	59.4
MUW 4 K 0	4.2	18.8	0.102	0.09	2.46	8	31.5
MUW 6 K 0	4.2	12.4	0.210	0.30	2.66	12	105.5
MUW 7 K 0	8.2	16.0	0.228	0.23	2.13	17	267.0
MUW 8 M 0 at 70 cm	<0.2	<0.1	0.044	0.15	4.94	19	80.8
MUW 9 K 0	8.4	28.6	0.114	0.12	4.29	9	53.4
MUW 10 K 10 D 125-250	11.8	37.7	0.294	0.19	2.26	7	216.0
MUW 12 K 0	15.7	23.2	0.207	0.15	2.55	13	87.3
MUW 13 K 0	19.2	46.9	0.132	0.13	2.78	5	49.6
MUW 14 K 0	34.1 8.6	12.7	0.112	0.09	2.08	11	63.5
MUW 21 OREAS 45e	42.5	48.5	0.191	2.85	8.19	7	137.0

REMOTE TESTS

VA21173801	VA21173801	VA21173801	VA21173801	VA21173801	VA21173801	VA21173801	VA21173801
Sample	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41
Description	Be	Bi	Ca	Cd	Ce	Co	Cr
	ppm	ppm	%	ppm	ppm	ppm	ppm
MUW 1 blank 151 M	0.05	0.017	2.35	0.101	2.57	0.332	1.37
MUW 2 K 0	0.17	0.183	2.30	1.495	14.70	5.970	4.98
MUW 3 K 0	0.11	0.170	1.56	1.245	10.00	4.700	5.02
MUW 4 K 0	0.05	0.154	1.25	1.430	3.04	1.780	3.71
MUW 6 K 0	0.15	0.239	1.62	1.320	14.75	2.160	5.86
MUW 7 K 0	0.12	0.304	2.64	3.020	11.55	4.090	5.28
MUW 8 M 0 at 70 cm	0.10	0.014	3.29	0.313	2.39	1.265	3.19
MUW 9 K 0	0.04	0.292	1.49	0.766	2.35	1.190	3.87
MUW 10 K 10 D 125-250	0.06	0.276	0.90	1.290	4.61	1.965	4.69
MUW 12 K 0	0.10	0.221	1.81	1.790	9.27	3.880	4.66
MUW 13 K 0	0.03	0.270	0.49	0.774	3.01	0.769	5.43
MUW 14 K 0	0.04	0.148	1.53	1.195	1.98	0.801	3.41
MUW 21 OREAS 45e	0.33	0.171	0.03	0.014	13.35	35.000	>250.00

VA21173801	VA21173801	VA21173801	VA21173801	VA21173801	VA21173801	VA21173801	VA21173801
Sample	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41	ME-VEG41
Description	Cs	Cu	Fe	Ga	Ge	Hf	Hg
	ppm	ppm	ppm	ppm	ppm	ppm	ppm
MUW 1 blank 151 M	0.118	3.39	2220	0.381	0.032	0.046	0.078
MUW 2 K 0	0.200	30.70	3190	0.661	0.121	0.054	0.167
MUW 3 K 0	0.220	30.10	3030	0.596	0.092	0.053	0.191
MUW 4 K 0	0.081	49.90	1460	0.298	0.068	0.031	0.248
MUW 6 K 0	0.273	44.70	3270	1.080	0.159	0.070	0.213
MUW 7 K 0	0.222	49.70	2870	0.816	0.061	0.030	0.209
MUW 8 M 0 at 70 cm	0.105	9.46	10650	0.318	0.027	0.108	0.097
MUW 9 K 0	0.114	58.20	3430	0.503	0.133	0.030	0.322
MUW 10 K 10 D 125-250	0.332	47.70	2460	0.981	0.027	0.018	0.233
MUW 12 K 0	0.125	61.50	2140	0.465	0.084	0.034	0.282
MUW 13 K 0	0.204	58.70	2440	0.544	0.101	0.034	0.406
MUW 14 K 0	0.092	39.40	1410	0.317	0.093	0.031	0.171
MUW 21 OREAS 45e	0.687	414.00	>50000	10.0000	0.051	0.703	0.012

Sample	VA21173801 ME-VEG41	VA21173801 ME-VEG41	VA21173801 ME-VEG41	VA21173801 ME-VEG41	VA21173801 ME-VEG41	VA21173801 ME-VEG41	VA21173801 ME-VEG41
Description	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm
MUW 1	blank SIM	0.007	0.01	1.33	0.1	0.119	0.20
MUW 2	K 0	0.071	0.09	7.49	1.8	0.243	0.46
MUW 3	K 0	0.061	0.08	4.99	1.6	0.159	0.55
MUW 4	K 0	0.098	0.07	1.64	0.1	0.130	0.38
MUW 6	K 0	0.118	0.13	8.50	1.9	0.133	0.67
MUW 7	K 0	0.143	0.13	5.78	1.3	0.155	1885.0
MUW 8	M 0	<0.005	0.01	1.34	0.5	0.206	164.5
MUW 9	K 0	0.155	0.06	1.16	0.2	0.128	614.0
MUW 10	K 10 D 125-250	0.125	0.11	2.34	0.6	0.093	2360.0
MUW 12	K 0	0.135	0.08	5.23	0.6	0.172	1105.0
MUW 13	K 0	0.164	0.09	1.48	0.2	0.082	80.0
MUW 14	K 0	0.070	0.09	1.11	0.3	0.140	119.5
MUW 21	OREAS 45e	0.055 ^{0.09}	0.05	5.36	3.3	0.073	276.0 ⁴⁰⁰

Sample	VA21173801 ME-VEG41	VA21173801 ME-VEG41	VA21173801 ME-VEG41	VA21173801 ME-VEG41	VA21173801 ME-VEG41	VA21173801 ME-VEG41	VA21173801 ME-VEG41
Description	Na %	Nb ppm	Ni ppm	P %	Pb ppm	Pd ppb	Pt ppb
MUW 1	blank SIM	0.012	0.122	1.05	0.031	1.17	<1
MUW 2	K 0	0.010	0.215	7.62	0.118	15.25	<1
MUW 3	K 0	0.009	0.222	6.59	0.119	16.95	3
MUW 4	K 0	0.003	0.103	4.66	0.089	11.50	1
MUW 6	K 0	0.004	0.321	7.54	0.103	24.80	1
MUW 7	K 0	<0.001	0.235	9.68	0.145	38.10	2
MUW 8	M 0	0.010	0.153	4.47	0.052	0.70	1
MUW 9	K 0	0.005	0.132	4.22	0.087	32.00	1
MUW 10	K 10 D 125-250	0.003	0.195	6.08	0.125	32.40	<1
MUW 12	K 0	0.001	0.100	7.00	0.100	24.00	1
MUW 13	K 0	0.003	0.154	4.34	0.072	25.80	1
MUW 14	K 0	0.004	0.111	4.02	0.080	10.90	<1
MUW 21	OREAS 45e	0.010	0.059	248.00 ³⁰	0.0250	10.00 ^{14.3}	15 ⁷⁵

Sample	VA21173801 ME-VEG41	VA21173801 ME-VEG41	VA21173801 ME-VEG41	VA21173801 ME-VEG41	VA21173801 ME-VEG41	VA21173801 ME-VEG41	VA21173801 ME-VEG41
Description	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm
MUW 1	blank SIM	0.31	0.001	0.18	0.04	0.49	0.922
MUW 2	K 0	2.89	0.001	0.26	0.24	0.37	1.135
MUW 3	K 0	3.20	0.001	0.27	0.25	0.35	1.175
MUW 4	K 0	1.55	0.001	0.25	0.18	0.26	2.210
MUW 6	K 0	4.49	<0.001	0.26	0.36	0.46	3.070
MUW 7	K 0	5.20	0.001	0.23	0.25	0.23	3.150
MUW 8	M 0	0.75	0.001	0.21	0.05	0.43	1.015
MUW 9	K 0	1.70	0.001	0.21	0.30	0.30	3.620
MUW 10	K 10 D 125-250	6.31	0.001	0.17	0.26	0.22	4.430
MUW 12	K 0	1.94	0.001	0.26	0.27	0.25	2.730
MUW 13	K 0	2.21	0.001	0.15	0.32	0.43	5.400
MUW 14	K 0	1.43	0.001	0.23	0.19	0.22	1.695
MUW 21	OREAS 45e	7.07 ⁸	<0.001	0.02 ^{0.04}	0.05	56.30 ⁷⁸	0.282

Sample Description	VA21173801 ME-VEG41	VA21173801 ME-VEG41	VA21173801 ME-VEG41	VA21173801 ME-VEG41	VA21173801 ME-VEG41	VA21173801 ME-VEG41	VA21173801 ME-VEG41
	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm
MUW 1 blank 151 M	90.0	0.009	0.005	0.364	0.003	0.029	0.116
MUW 2 K 0	66.2	0.004	0.018	0.156	0.006	0.038	0.647
MUW 3 K 0	36.8	0.004	0.017	0.139	0.006	0.049	0.292
MUW 4 K 0	28.5	0.006	0.010	0.089	0.002	0.019	0.070
MUW 6 K 0	38.2	0.003	0.013	0.176	0.008	0.045	0.224
MUW 7 K 0	44.3	0.003	0.028	0.069	0.006	0.073	0.098
MUW 8 M 0	85.7	0.007	0.005	0.449	0.003	0.021	0.286
MUW 9 K 0	56.5	0.005	0.018	0.111	0.003	0.043	0.070
MUW 10 K 10 D 125-250	44.6	0.003	0.015	0.113	0.006	0.188	0.097
MUW 12 K 0	44.0	0.004	0.018	0.087	0.004	0.051	0.118
MUW 13 K 0	21.5	0.004	0.014	0.175	0.004	0.051	0.080
MUW 14 K 0	57.9	0.004	0.011	0.104	0.003	0.021	0.060
MUW 21 OREAS 45e	3.2 ⁴	<0.001	0.043	8.160 ^{10.7}	0.039	0.053	1.430 ^{1.73}

Sample Description	VA21173801 ME-VEG41	VA21173801 ME-VEG41	VA21173801 ME-VEG41	VA21173801 ME-VEG41	VA21173801 ME-VEG41
	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
MUW 1 blank 151 M	1.98	0.03	0.681	3.5	1.43 - Blank
MUW 2 K 0	4.28	0.16	2.740	230.0	2.32
MUW 3 K 0	5.01	0.13	1.760	201.0	2.21
MUW 4 K 0	2.32	0.17	0.636	180.0	1.11
MUW 6 K 0	5.34	0.18	2.640	182.5	2.45
MUW 7 K 0	4.41	0.26	1.810	449.0	1.00
MUW 8 M 0	2.50	0.02	0.901	39.8	4.19 - Blank for gold
MUW 9 K 0	3.06	0.25	0.578	108.0	1.07
MUW 10 K 10 D 125-250	4.20	0.19	0.565	210.0	0.68
MUW 12 K 0	3.34	0.20	1.930	208.0	1.24
MUW 13 K 0	3.60	0.46	0.552	87.5	1.08
MUW 14 K 0	2.33	0.14	0.429	219.0	1.02
MUW 21 OREAS 45e	148.50 ²⁹⁵	0.03	3.890 ^v	21.2 ^{30.6}	22.50 - Standard

* As per higher gold by neutron activation, gold extraction from organics here is only partial. Also gold by MS tends to coat the tube and releases at times resulting in extreme values.



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Page: 1
 Total # Pages: 4 (A - D)
 Plus Appendix Pages
 Finalized Date: 14-FEB-2022
 This copy reported on
 3-MAR-2022
 Account: DAXHER

CERTIFICATE VA22013500

P.O. No.: MOL-LG-MUW *Decayed < 250 micron sievings*
 This report is for 83 samples of Vegetation submitted to our lab in Vancouver, BC, Canada on 14-JAN-2022.
 The following have access to data associated with this certificate:
 HERMANN DAXL

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-24	Pulp Login - Rcd w/o Barcode
DIS-PUL21	Disposal of M/+ Split after analysis.

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS41L	Super Trace Lowest DL AR by ICP-MS <i>AQUA REGIA</i>	<i>~ 0.45 g aliquots</i>

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

Signature: 
 Saa Traxler, Director, North Vancouver Operations

Decayed vegetation (K) sieved <250 um (or as marked) - aqua regia - 0.45 g

Sample	VA22013500 ME-MS41L	VA22013500 ME-MS41L	VA22013500 ME-MS41L	VA22013500 ME-MS41L	VA22013500 ME-MS41L	VA22013500 ME-MS41L	VA22013500 ME-MS41L	VA22013500 ME-MS41L	VA22013500 ME-MS41L	
Description	Au ppb	↓ * INAA	Ag ppm	Al %	As ppm	↓ INAA	B ppm	Ba ppm	Be ppm	Bi ppm
MUW 23	24.7	16	0.114	0.46	1.98	1.89	20	107.0	0.21	0.186
MUW 24	12.0	26	0.112	0.08	1.68	2.30	10	46.2	0.03	0.210
MUW 26	11.8	14	0.180	0.26	1.59	1.93	10	142.0	0.11	0.188
MUW 27	2.6	10	0.084	0.06	1.08	1.28	10	28.1	0.03	0.126
MUW 28	3.6	11	0.083	0.08	1.78	1.82	<10	40.9	0.03	0.192
MUW 29	10.3	23	0.348	0.25	2.78	2.73	10	198.0	0.11	0.426
MUW 31	17.2	18	0.178	0.15	2.65	2.26	20	94.4	0.08	0.247
MUW 32	2.3	5	0.131	0.17	2.43	2.29	10	59.9	0.09	0.170
MUW 34	4.6	8	0.125	0.26	1.55	1.55	10	62.2	0.14	0.210
MUW 35	28.0	27	0.246	0.56	3.03	3.15	10	169.0	0.22	0.479
MUW 36	5.0	18	0.082	0.11	1.16	1.43	10	60.7	0.06	0.145
MUW 47 M80	0.3	✓	0.033	0.21	1.50	1.93	10	45.3	0.17	0.018
MUW 49	22.5	11	0.107	0.09	1.10	1.61	10	44.7	0.07	0.116
MUW 51	3.4	7	0.126	0.15	1.23	1.30	10	77.1	0.10	0.149
MUW 53	16.5	13	0.240	0.39	2.70	3.41	10	205.0	0.20	0.370
MUW 54	18.1	38	0.131	0.17	2.90	2.59	<10	48.6	0.06	0.271

* Gold is more reliable by INAA.

Sample	VA22013500 ME-MS41L	VA22013500 ME-MS41L	VA22013500 ME-MS41L	VA22013500 ME-MS41L	VA22013500 ME-MS41L	VA22013500 ME-MS41L	VA22013500 ME-MS41L	VA22013500 ME-MS41L
Description	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
MUW 23	2.46	1.370	15.950	3.890	9.17	0.404	37.90	0.560
MUW 24	0.80	1.015	2.340	0.798	3.55	0.119	55.80	0.177
MUW 26	2.60	2.420	9.390	5.670	5.19	0.302	34.00	0.330
MUW 27	1.03	0.600	1.775	0.652	2.16	0.084	32.00	0.111
MUW 28	0.71	0.641	1.590	0.473	2.55	0.091	41.90	0.133
MUW 29	2.28	3.090	7.580	5.450	5.80	0.291	46.50	0.360
MUW 31	2.75	2.020	7.850	2.560	3.51	0.143	57.80	0.213
MUW 32	2.16	1.645	12.000	15.100	2.84	0.116	26.90	0.450
MUW 34	1.55	1.940	14.500	2.580	5.26	0.238	36.60	0.300
MUW 35	1.38	3.380	14.350	6.000	12.85	0.788	44.60	0.780
MUW 36	1.54	0.988	6.000	0.889	2.62	0.125	32.10	0.141
MUW 47 M80	3.28	0.484	4.370	0.578	2.86	0.047	26.80	0.350
MUW 49	1.93	1.270	7.570	2.420	2.11	0.119	32.80	0.145
MUW 51	2.06	1.865	15.400	2.290	3.45	0.135	40.60	0.193
MUW 53	1.71	2.130	18.250	5.160	8.38	0.372	40.10	0.520
MUW 54	0.68	1.155	4.880	1.895	5.43	0.161	63.60	0.260

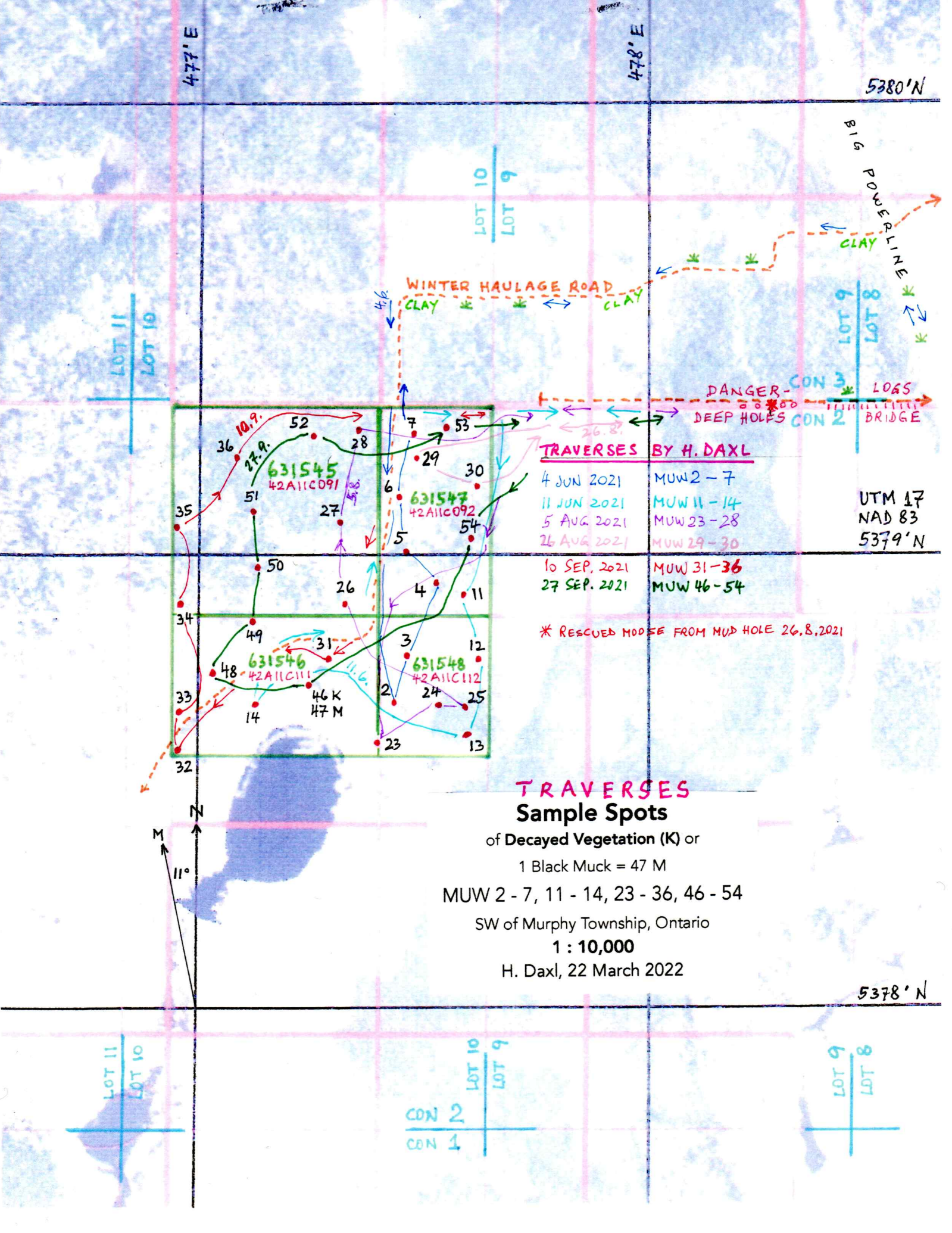
	VA22013500	VA22013500	VA22013500	VA22013500	VA22013500	VA22013500	VA22013500	VA22013500
Sample	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
Description	Ga	Ge	Hf	Hg	In	K	La	Li
	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
MUW 23	1.480	0.042	0.048	0.195	0.073	0.12	8.96	4.6
MUW 24	0.315	0.020	0.008	0.413	0.130	0.07	1.17	0.1
MUW 26	0.990	0.032	0.027	0.164	0.074	0.11	4.89	2.2
MUW 27	0.217	0.018	0.009	0.169	0.065	0.06	0.95	<0.1
MUW 28	0.285	0.023	0.008	0.195	0.103	0.07	0.82	<0.1
MUW 29	1.190	0.040	0.027	0.227	0.156	0.10	3.72	1.7
MUW 31	0.501	0.043	0.022	0.240	0.134	0.10	5.40	0.7
MUW 32	0.648	0.037	0.020	0.168	0.051	0.07	4.19	0.4
MUW 34	0.837	0.044	0.036	0.179	0.089	0.11	8.24	2.0
MUW 35	2.360	0.042	0.023	0.236	0.161	0.17	6.04	5.4
MUW 36	0.347	0.028	0.017	0.148	0.069	0.10	3.38	0.5
MUW 47 M80	0.456	0.033	0.053	0.089	<0.005	<0.01	2.99	0.1
MUW 49	0.268	0.022	0.010	0.157	0.053	0.08	4.27	0.2
MUW 51	0.436	0.029	0.017	0.160	0.078	0.12	8.86	1.0
MUW 53	1.610	0.034	0.011	0.188	0.129	0.14	8.11	3.1
MUW 54	0.572	0.023	0.017	0.401	0.176	0.09	2.59	0.8

	VA22013500	VA22013500	VA22013500	VA22013500	VA22013500	VA22013500	VA22013500	VA22013500
Sample	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
Description	Mg	Mn	Mo	Na	Nb	Ni	P	Pb
	%	ppm	ppm	%	ppm	ppm	%	ppm
MUW 23	0.27	515.0	0.44	0.005	0.401	9.09	0.098	15.100
MUW 24	0.09	93.7	0.34	0.007	0.079	4.32	0.077	18.400
MUW 26	0.20	881.0	0.37	0.001	0.242	8.48	0.121	20.200
MUW 27	0.13	213.0	0.52	0.005	0.057	2.97	0.070	6.250
MUW 28	0.09	83.2	0.41	0.009	0.068	3.31	0.067	13.450
MUW 29	0.15	1810.0	0.65	0.004	0.309	10.80	0.133	59.500
MUW 31	0.21	267.0	0.49	0.011	0.120	6.85	0.101	23.200
MUW 32	0.16	1960.0	1.10	0.011	0.133	4.99	0.127	25.300
MUW 34	0.14	466.0	0.85	0.004	0.248	7.29	0.103	21.600
MUW 35	0.21	1920.0	1.10	0.007	0.702	13.15	0.140	69.500
MUW 36	0.12	241.0	0.42	0.008	0.089	3.74	0.084	12.350
MUW 47 M80	0.17	35.6	0.39	0.010	0.166	6.66	0.032	0.769
MUW 49	0.16	477.0	0.48	0.008	0.064	4.53	0.097	8.760
MUW 51	0.15	407.0	0.42	0.008	0.124	6.97	0.107	12.200
MUW 53	0.18	1860.0	0.49	0.006	0.464	12.25	0.132	47.100
MUW 54	0.09	427.0	0.34	0.012	0.169	6.61	0.096	23.600

	VA22013500	VA22013500	VA22013500	VA22013500	VA22013500	VA22013500	VA22013500	VA22013500
Sample	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
Description	Pd	Pt	Rb	Re	S	Sb	Sc	Se
	ppb	ppb	ppm	ppm	%	ppm	ppm	ppm
MUW 23	1	<2	6.290	0.0006	0.19	0.211	0.846	0.817
MUW 24	1	<2	1.355	0.0006	0.19	0.198	0.347	0.893
MUW 26	<1	<2	7.780	0.0005	0.20	0.172	0.460	0.728
MUW 27	<1	<2	1.720	0.0007	0.17	0.157	0.210	0.613
MUW 28	2	<2	1.850	0.0008	0.19	0.186	0.275	0.926
MUW 29	<1	<2	6.090	0.0006	0.20	0.351	0.566	1.170
MUW 31	<1	<2	2.290	0.0007	0.27	0.264	0.362	1.295
MUW 32	1	<2	1.730	0.0012	0.27	0.232	0.333	0.840
MUW 34	2	<2	4.870	0.0007	0.21	0.241	0.540	0.849
MUW 35	<1	<2	17.150	0.0006	0.17	0.444	0.944	1.210
MUW 36	1	<2	2.220	0.0006	0.20	0.183	0.355	0.719
MUW 47	MgO	<1	0.290	0.0019	0.29	0.116	0.426	0.999
MUW 49	<1	<2	2.140	0.0005	0.25	0.170	0.250	0.626
MUW 51	<1	<2	2.870	0.0008	0.23	0.163	0.383	0.740
MUW 53	1	<2	8.510	0.0004	0.19	0.290	0.597	0.993
MUW 54	1	<2	3.160	0.0008	0.22	0.254	0.488	1.300

	VA22013500	VA22013500	VA22013500	VA22013500	VA22013500	VA22013500	VA22013500	VA22013500
Sample	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
Description	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
MUW 23	0.57	124.50	<0.005	0.017	0.439	0.013	0.053	0.357
MUW 24	0.52	36.00	<0.005	0.009	0.131	0.002	0.031	0.068
MUW 26	0.58	48.20	<0.005	0.021	0.218	0.008	0.049	0.119
MUW 27	0.33	23.40	<0.005	0.008	0.040	0.001	0.028	0.073
MUW 28	0.53	41.90	<0.005	0.008	0.065	0.002	0.035	0.049
MUW 29	1.30	38.60	<0.005	0.046	0.223	0.010	0.101	0.125
MUW 31	0.66	87.00	<0.005	0.018	0.156	0.003	0.047	0.319
MUW 32	0.33	53.50	<0.005	0.024	0.150	0.004	0.059	0.688
MUW 34	0.62	32.10	<0.005	0.015	0.269	0.007	0.046	0.394
MUW 35	1.65	34.90	<0.005	0.033	0.317	0.022	0.121	0.234
MUW 36	0.43	45.90	<0.005	0.010	0.132	0.003	0.038	0.182
MUW 47	MgO	0.06	81.80	0.005	0.004	0.348	0.005	0.016
MUW 49	0.31	51.00	<0.005	0.010	0.054	0.002	0.045	0.234
MUW 51	0.40	46.90	<0.005	0.011	0.135	0.004	0.040	0.118
MUW 53	1.09	36.40	<0.005	0.029	0.157	0.013	0.092	0.176
MUW 54	0.72	17.85	<0.005	0.011	0.201	0.005	0.038	0.104

zero sand silt	D Description	VA22013500	VA22013500	VA22013500	VA22013500	VA22013500	Zr
		ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	
		V	W	Y	Zn	↓ INAA	ppm
		ppm	ppm	ppm	ppm		ppm
0	MUW 23 K	8.1	0.140	2.570	190.0	224	2.00
0	MUW 24 K	2.3	0.128	0.434	144.5	169	0.35
0	MUW 26 K	4.6	0.162	1.300	403.0	468	0.96
0	MUW 27 K	1.7	0.094	0.420	81.6	112	0.28
0	MUW 28 K	1.8	0.101	0.324	79.7	98	0.27
0	MUW 29 K	6.0	0.178	1.240	339.0	407	0.72
0	MUW 31 K	3.1	0.116	1.610	274.0	295	0.80
0	MUW 32 K	12.5	0.062	1.880	122.5	139	0.70
0	MUW 34 K	5.0	0.102	3.100	171.0	181	1.39
0	MUW 35 K	14.1	0.296	1.870	225.0	214	0.94
0	MUW 36 K	2.3	0.119	1.265	148.5	169	0.61
0	MUW 47 M80	12.5	0.015	2.070	15.0	0	3.13 = Black Muck from 80 cm depth
0	MUW 49 K	2.4	0.135	1.585	156.0	155	0.47
0	MUW 51 K	3.0	0.094	2.650	234.0	231	0.81
0	MUW 53 K	9.0	0.273	2.610	265.0	290	0.42
0	MUW 54 K	3.8	0.150	0.810	156.5	161	0.72



477'E

478'E

5380'N

LOT 10
LOT 9

LOT 11
LOT 10

LOT 9
LOT 8

WINTER HAULAGE ROAD
CLAY

BIG POWER LINE
CLAY

DANGER - DEEP HOLES
CON 3
CON 2
LOGS BRIDGE

TRAVERSES BY H. DAXL

4 JUN 2021	MUW 2 - 7
11 JUN 2021	MUW 11 - 14
5 AUG 2021	MUW 23 - 28
26 AUG 2021	MUW 29 - 30
10 SEP, 2021	MUW 31 - 36
27 SEP. 2021	MUW 46 - 54

UTM 17
NAD 83
5379'N

* RESCUED MOOSE FROM MUD HOLE 26.8.2021

**TRAVERSES
Sample Spots**

of Decayed Vegetation (K) or
1 Black Muck = 47 M

MUW 2 - 7, 11 - 14, 23 - 36, 46 - 54

SW of Murphy Township, Ontario

1 : 10,000

H. Daxl, 22 March 2022

5378'N

LOT 11
LOT 10

CON 2
CON 4

LOT 10
LOT 9

LOT 9
LOT 8

NAD 83 UTM Zone 17**Murphy Southwest, Murphy Township**

(K-Samples are composites of 6 spots in 15 m radius plotted in the center)

Sample #	Easting 47	Northing 537
MUW 2	7438	8678
MUW 3	7463	8780
MUW 4	7532	8936
MUW 5	7467	9003
MUW 6	7444	9132
MUW 7	7478	9276
MUW11	7588	8914
MUW12	7626	8764
MUW13	7596	8600
MUW14	7130	8671
MUW23	7401	8584
MUW24	7538	8670
MUW25	7603	8660
MUW26	7325	8885
MUW27	7318	9073
MUW28	7350	9282
MUW29	7483	9220
MUW30	7615	9152
MUW31	7292	8769
MUW32	6949	8563
MUW33	6953	8652
MUW34	6960	8892
MUW35	6951	9061
MUW36	7080	9219
MUW46	7250	8708
MUW47 M	"	"
MUW48	7036	8737
MUW49	7120	8851
MUW50	7128	8973
MUW51	7121	9100
MUW52	7250	9267
MUW53	7550	9282
MUW54	7605	9037

LOG OF WORK done by H. DAXL - SW MURPHY Tp.

X	3 JUN 2021	CLEARED ACCESS FOR SUV - but bend. at 478738-5379776.
X	4 "	Walk new trail, sampled MUW 2-8
	5 "	DRY, plot, plan, get bags, envelopes.
	6 "	Sieve, fill vials.
X	11 "	Sampled MUW 11 to 14
	12 "	drying, fix boots, repair.
	18 "	Sieve, select tests, weigh, fill vials.
X	5 AUG 2021	Sampled MUW 23-28
	6 "	Dry, plot etc, lab correspondence.
X	11 "	Test regional sand, panning, check for contamination.
X	26 "	Sampled MUW 29-30R, saved moose from drowning in mud.
X	10 SEP 2021	Sampled MUW 31-36
	11 "	Dry, plot, sieve
	16 "	Sieve, fill vials, pack, shipped 25 OCT. 2021
X	27 "	Sampled MUW 46-54
	28 "	Dry samples
	10 NOV 2021	Sieving, select repeats.
	4 JAN 2022	Fill vials, weigh, ship
	10 "	Select, fill vials for ALS, ship
	20 MAR 2022	Evaluate 41L #13500, ACTL 12591, annotate
	22 "	UTM List, map sample spots
	23 "	Location map, traverse, el. maps.
	24 "	Annotate A21-20305, evaluate, annotate
	26 "	Write draft, search previous work.
	5 APR 2022	Evaluate MUW 3 INAA, ALS 73801
	6 "	Annotate MUW 3 and ALS 13500
	7 "	Write report
	8 "	" "
	9 "	Proofread, scan, copy, file
	<u>29 DAYS</u>	<u>TOTAL</u>
X	8 days	FIELDWORK / PROSPECTING
	11 "	SAMPLE PREP
	10 "	REPORT / MAPS

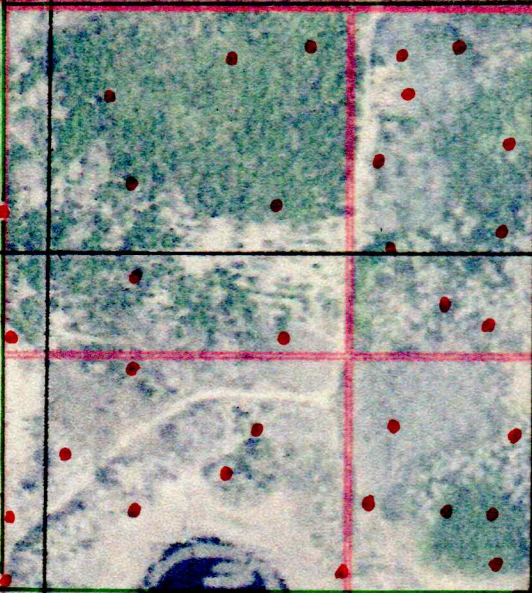
MAPS/REPORT

477 000 m E

478 000 m E

5380 000 m N

UTM 17
NAD 83
5379 000 m N
1:10,000



5378' N

5378 000 m N

477' E

478' E

02A11