Ontario

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Gold in Decayed Vegetation

in Murphy Township South

(10 km north of Timmins)

Ontario, Canada

Assessment Work on Claims :

612204 - 208, 630978, 630994 - 995

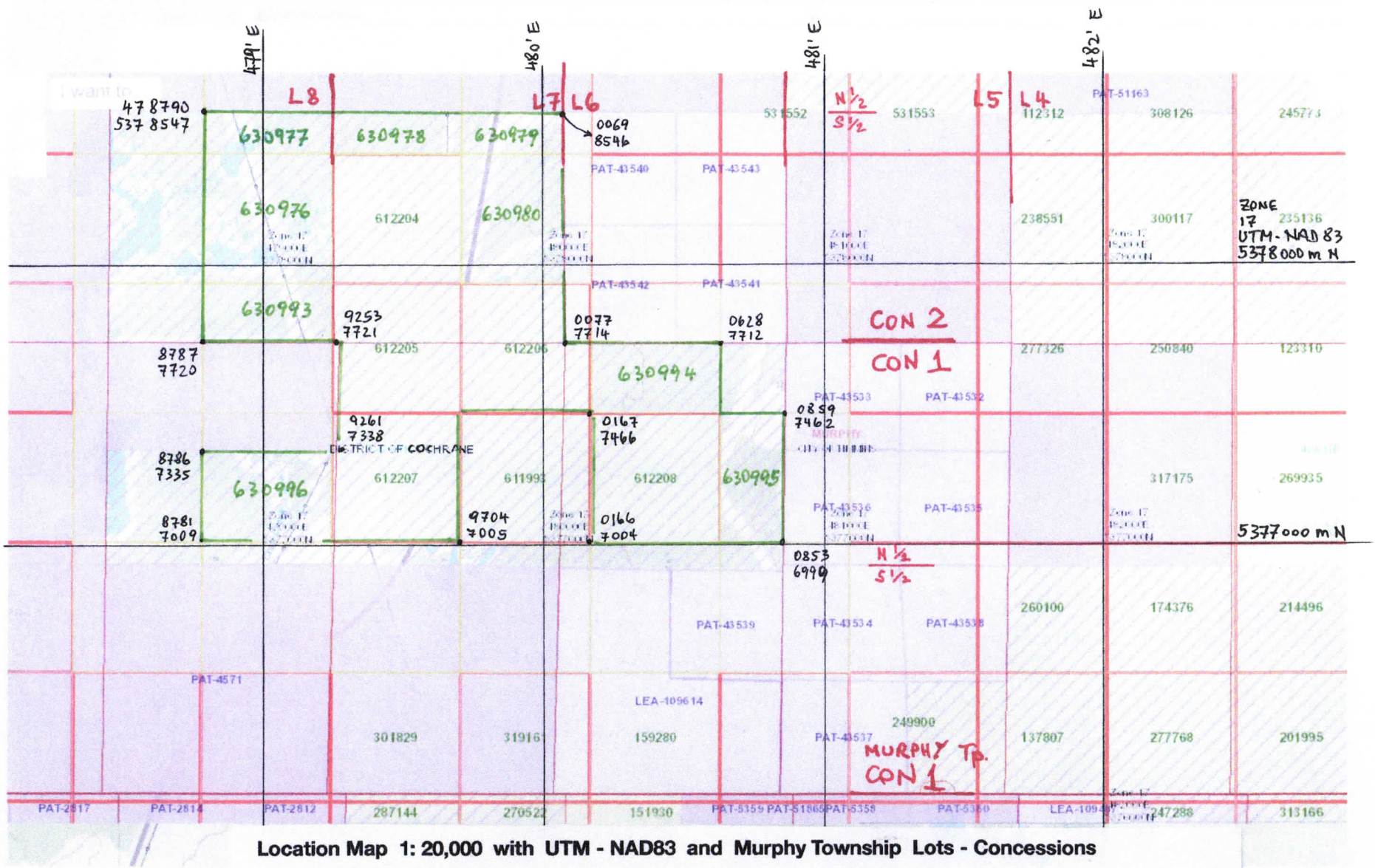
In Ontario Grid Cells :

42A11C116, 136, 156, 157, 158, 176, 178, 179

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

17 August 2022

Ontario Ministry of Energy, Northern Development and Mines
MLAS



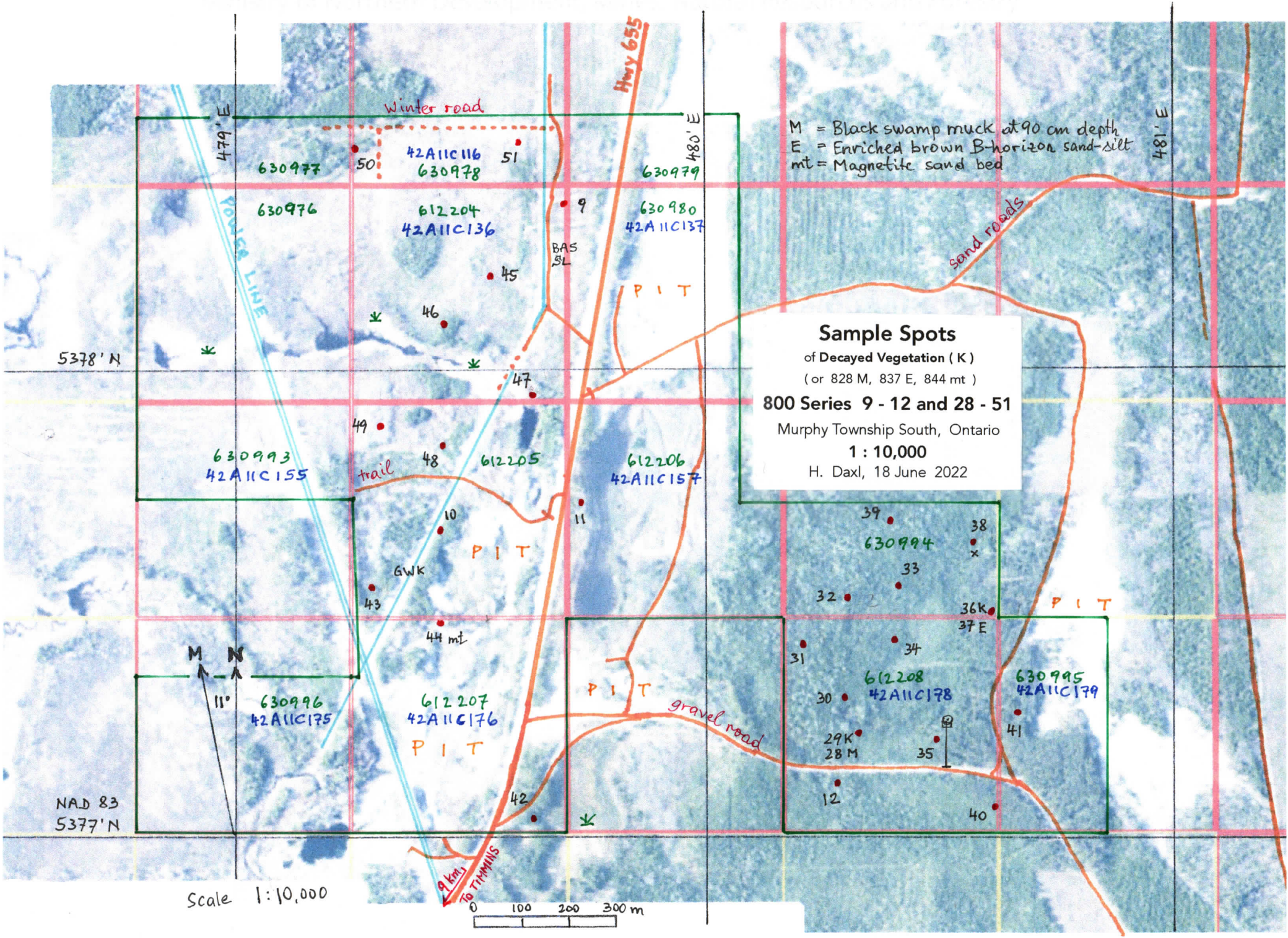
Location Map 1: 20,000 with UTM - NAD83 and Murphy Township Lots - Concessions

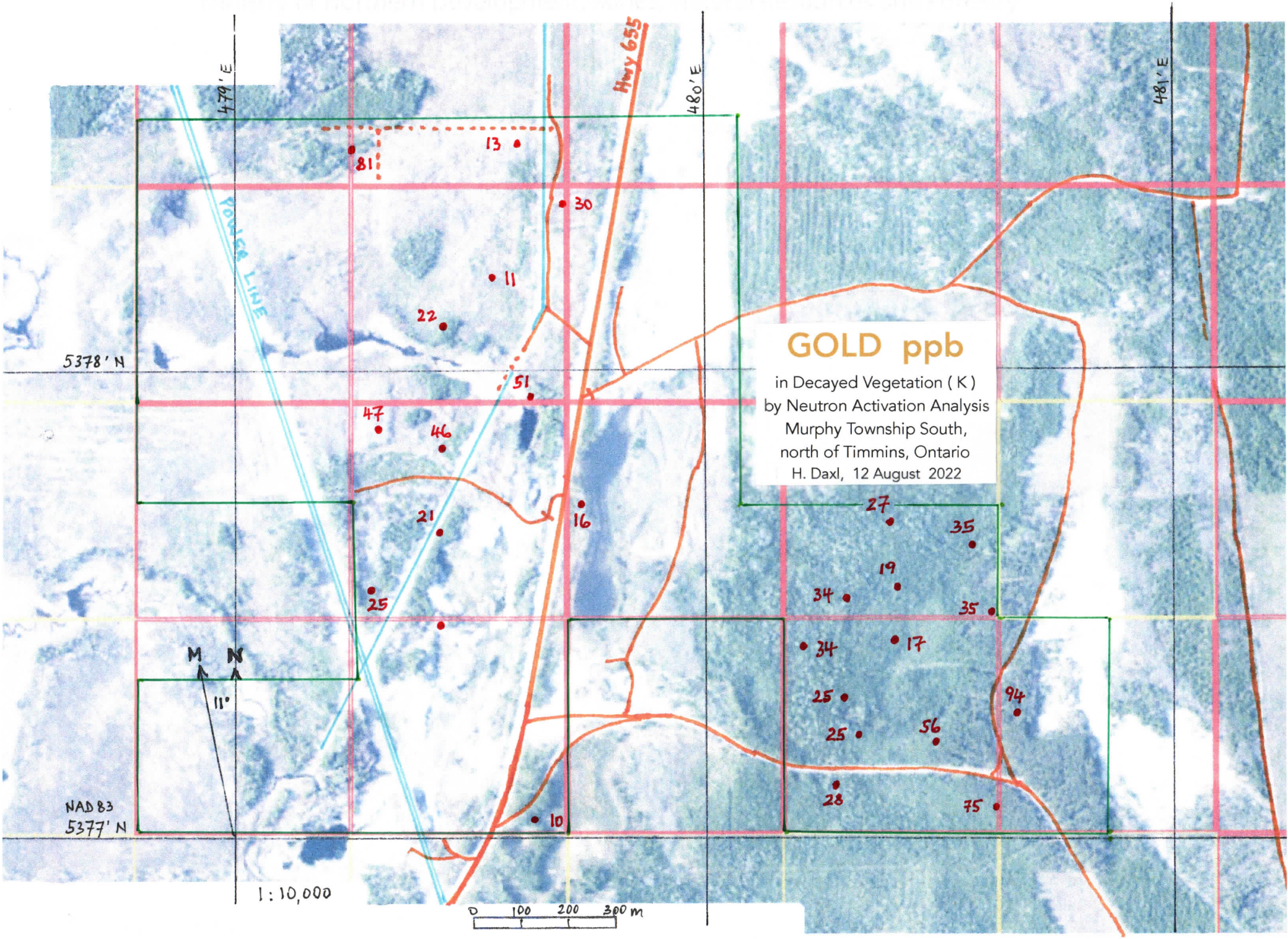
Daxl 14-Claim Group 612204 - 208, 630976 - 630980, 630993 -996

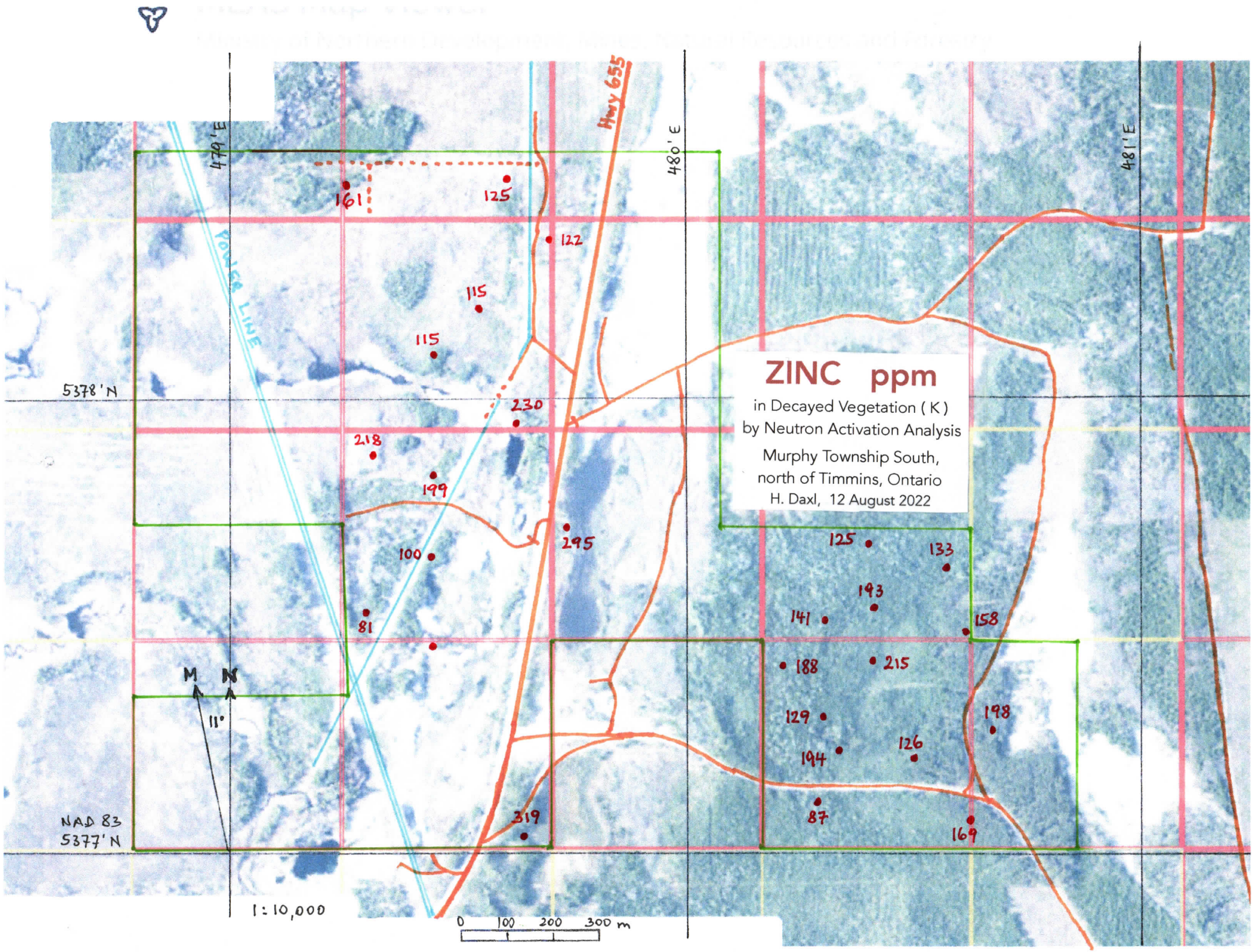
(Hatched areas indicate surface rights of others)

1: 20,000

0 0.15 0.3km


Sample Spots
of Decayed Vegetation (K)
(or 828 M, 837 E, 844 mt)
800 Series 9 - 12 and 28 - 51
Murphy Township South, Ontario
1 : 10,000
H. Daxl, 18 June 2022
M = Black swamp muck at 90 cm depth
E = Enriched brown B-horizon sand-silt
mt = Magnetite sand bed
Winter road
Hwy 655
sand roads
trail
gravel road
POWER LINE
PIT
GWK
BAS SL
479' E
480' E
481' E
5378' N
5377' N
NAD 83
11°
630977
630976
630979
630980
630993
630994
630995
630996
612204
42A11C136
612205
612206
42A11C157
612207
42A11C176
612208
42A11C178
42A11C116
630978
42A11C137
42A11C155
42A11C175
42A11C179
9 km to TIMMINS
Scale 1:10,000
0 100 200 300 m


GOLD ppb
in Decayed Vegetation (K)
by Neutron Activation Analysis
Murphy Township South,
north of Timmins, Ontario
H. Daxl, 12 August 2022
479' E
480' E
481' E
5378' N
5377' N
NAD 83
Hwy 655
POWER LINE
M
N
11°
1 : 10,000
0 100 200 300 m
81
13
30
11
22
51
47
46
21
16
25
27
35
19
34
35
34
17
25
94
25
56
28
75
10


ZINC ppm
in Decayed Vegetation (K)
by Neutron Activation Analysis
Murphy Township South,
north of Timmins, Ontario
H. Daxl, 12 August 2022
Hwy 655
POWER LINE
479 'E
480 'E
481 'E
5378 'N
5377 'N
NAD 83
M
N
11°
1 : 10,000
0 100 200 300 m
161
125
122
115
115
230
218
199
295
100
81
125
133
193
141
158
188
215
129
198
126
194
87
169
319

Become a modern

Prospector

Introduction

My present preliminary prospecting discovered 10 to 94 ppb gold in decayed vegetation on my 8 mining claims in Murphy Township South. Decayed vegetation reflects excessive elements in the rock below, a fact that has been known since Agricola 500 years ago. Modern methods can analyze them. Witwatersrand-style gold fields are speculated, not precluding Timmins-style occurrences.

I collected 28 samples on my claims 612204 - 208, 630978, 630994 - 995, Ontario grid cells 42A11C116, 136, 156, 157, 158, 176, 178, 179, in the 5 field trips from 18 September 2020 to 13 June 2022, and did all specialized preparation for the lab myself. Access from Highway 655 is after 9 km north of Timmins. Please see the attached location, sample and traverse maps.

The gentle natural relief within 5 m is interrupted by several <10 m deep sand or gravel pits mostly near highway 655. The few side roads are sand or gravel. Two major power lines stretch north-south. Several parties own all the surface rights and sand or gravel pits, but there is no other development. Please see the attached map showing lots and concessions.

Half-grown spruce forests remain in the swampy areas northwest and southeast. Usually I could reach sand with my 1.20 m Dutch auger but at sample 850 is gray clay at 1.20 m, and at sample 851 silt comes to surface, indicating the western extent of the lacustrine delta. Details are annotated on the lab results.

Local Geology

As per the regional OGS map P.3305-rev mafic metavolcanic rocks occur in the northern third and metasedimentary rocks southward in my worked area. I encountered much basalt and slate (BAS-SL) near sample 809 and much graywacke (GWK) near 843, but no other outcrop. Sample 844 is pure coarse magnetite (mt) sand from a magnetite

bed above the sand pit. The OGS Map 81071 shows no conductors but a gradual onset to the MAG northwestward.

According to the several reverse circulation drill (RCD) holes, the vertical depth of the overburden is near 20 m in the northwest, 20 - 28 m outside the pit in the southwest and 25 - 36 m in the southeast on my worked area. Moneta reported several up to 2.1 g/t gold (Au) results in the nonmagnetic heavy mineral concentrate (NHMC) of their 15 MSM-87 RCD holes in the southwest and southeast, with one extreme 6.4 g/t Au of sample 14415 in hole MSM-87-04 at 600 m southeast of my sample 840 of 75 ppb Au. These high values were near the change from the usual rounded polymictic gravel to glacial till below, or to bedrock. The mostly graywacke bedrock top returned <20 ppb Au (14484) in only 4 of the 15 holes.

Considering the 6 kg to 20 g concentration of the NHMC, a rough estimate overall would be that 35 intervals of about 2.5 m each in gravel average 1.8 ppb Au in situ, and that most holes average that over about 7 - 10 m. Such average for only the southeastern holes MSM-87-04 to 07 is 2.5 ppb Au. Their remaining 38 samples had no gold. The upper overburden of usually glaciolacustrine sand to clay was not sampled.

A 160m, 181/50, diamond drill hole by Renzy Mines Ltd. of Nov 1969, at UTM NAD83 480520 E - 5377250 N as re-calculated from the logs, all in graywacke, showed 3 quartz-rich intersections of <1 m containing minor sulphides. Their 3 samples were called poor quartz, and no analyses were given. Unfortunately it was not customary to sample apparently barren rock such as graywacke.

Present Work

Decayed vegetation sampling prevents the pitfalls of conventional soil or humus sampling. Samples are collected from chosen dry spots where water can evaporate, which in swampy ground may only be around trees, avoiding sand, silt or clay (DTC) which could contaminate and would dilute. Values are not treated by statistics which always find anomalies, but the absolute values are high enough to be interpreted

directly, as ions from depth accumulate on surface, condensed by the plant cycle. Already 15 samples per claim unit will show its potential, no outcrop is needed.

After brushing aside loose or green material on the forest 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. A photo and the GPS list is attached. This decayed vegetation from 0 - 6 cm depth (K) makes one sample. Thereby all K-samples are of like material and age. After drying in air, pounding and rolling to release the fines, the <250 micron sievings were homogenized by cross-lapping with a sheet of paper.

Where any sand or silt (DT) content was visible with a hand lens, it was removed by more suitable sieving, or by dry swirling in a plastic gold pan and discarding the DT dregs. Any remaining DT was estimated in volume percent, as annotated on the lab results. Clay (C) cannot be removed but can be estimated from the typical clay elements as per separate clay analyses or regional clay values. Please search > youtube hermann daxl < to view videos.

Analyses

I compacted the sievings into the 7 cm3 medium vials for instrumental neutron activation analysis (INAA), Code 2 B - vegetation, with double irradiation time at extra cost, by Activation Laboratories Limited. Such analyses are most suitable for gold and were plotted on the gold map without considering the less reliable gold results by ME-MS41L - super trace aqua regia, done by ALS Canada Ltd. on the several samples selected for base metals. Please see the maps for gold and zinc.

The 3 contiguous gold values of 56, 75, 94 ppb Au (samples 835, 840, 841 in the southeast corner of my claim group) despite 30 m overburden, are significant especially because all nearby values are also moderately anomalous. Possibly the graywacke drilled by Renzy Mines Ltd. carries gold, even if it was not apparent in the AXQ drill core to have been sampled.

The group of 3 more gold values of 51, 46, 47 ppb Au (samples 847, 848, 849) on claims 612204 - 205 despite 20 m overburden are also quite anomalous. The OGS Map.3305-rev shows the contact between the northern mafic metavolcanic and the southern metasedimentary rocks in that area. Zinc is also somewhat anomalous there.

The northernmost single 81 ppb gold (sample 850) on claim 630978 may also be significant, but is still rather isolated.

Typically, black swamp muck (M) 828 and sand-silt from the enriched horizon (E) 837, taken with a 7cm Dutch hand auger at the noted depth, were blank, but each has its proper element composition.

Sand-silt (DT) dregs extracted from decayed vegetation (K) do not have gold, which is confirmed by samples 853 and 854 extracted from 842 and 851. Their approximately 80 volume percent DT of much higher density negates the gold in their contained minor decayed vegetation, which illustrates why inorganic material has to be extracted first to make samples comparable. I annotate any remaining DTC content but do not adjust values. Please see lab results.

Such dilution has to be avoided, but contamination by DTC is not serious as so far they have not carried the elements sought. Sample 852 was extracted from 841 but contains some 50 volume % DT. Its diluted 38 ppb Au versus 94 ppb Au of 841 is somewhat proportionate to its K-content by weight. Other examples are 816-817 versus 810-811.

However, sand-silt from the enriched horizon (E) sample 837 returned 151 ppb Au by neutron activation but 0.7 ppb Au from the 0.45 g aliquot in aqua regia. The gold could have been a very rare 100-micron flake in the 8.62 g in the vial for neutron activation. Such rare flakes would not be suitable to evaluate a potential of claims.

Contamination is most unlikely, as the several blanks and control analyses were correct, and I filled the vials myself. The lab takes precaution that no gold particles cling to the outside of vials by static, as this would show in the analyses. Duplicate sievings 812 and

855 returned the similar 27.8 and 35.9 ppb Au despite being in different batches. Sample 820 of 19.7 ppb Au matched the 19.0 and 21.5 ppb Au of past years.

No other anomalies are apparent. Arsenic is also quite normal. The 240 ppm vanadium and 19.55 ppm yttrium in black swamp muck sample 828 are typical of regional clay content which, although not recognized in the sample, is confirmed also by its elevated content of CeCoCrHfLaScTh.

Sample 844 is cleaned magnetite (mt) sand sieved to 1.5 - 3 mm from a 10 cm thick magnetite bed above the sand pit. With 42.4 % iron and 3.2 % zinc, but also 39.8 ppb gold, it is otherwise quite pure.

Conclusions and Recommendations

Over barren bedrock the sampled decayed vegetation should have no gold, therefore the 7 high gold values of 46 to 94 ppb Au of the 3 areas, especially on claims 612208 / 630995, Ontario cells 42A11C178 / 179, suggest gold occurrences. More samples should be taken especially in the center and north of the claim group. Also the graywacke between samples 810 and 843, and other outcrops, need to be sampled.

Much gold had been mined from the Witwatersrand of South Africa, which is alluvial gold deposited in lake sediments, then lithified into sedimentary rock like here. Considering that here it has not been customary to sample such seemingly barren rock, as such gold would not be visible, the repeated values of gold I discovered in decayed vegetation on many of my claims may well be above gold fields like Witwatersrand.

Sampling such gold should actually be simpler than vein gold, because it would be more evenly distributed, but entire drill holes or at least close intervals would need to be sampled. The usual criteria like silicification and other alteration would not apply.

Respectfully submitted,

Timmins, 17 August 2022 by Hermann Daxl, M.Sc.(Minex), Claim Holder

Quality Analysis ... **Actlabs** *Innovative Technologies*

Report No.: A20-14312
Report Date: 23-Dec-20
Date Submitted: 10-Nov-20
Your Reference: VAR-NA

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

ATTN: Hermann Daxl

CERTIFICATE OF ANALYSIS

46 Vial samples were submitted for analysis. decayed vegetation sievings

The following analytical package(s) were requested:		Testing Date:
2B-~~Neg~~ med.vials see mass net	QOP INAAGEO (Vegetation INAA) double irradiation time	2020-12-01 11:28:56

REPORT **A20-14312**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control
Coordinator

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E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Decayed Vegetation 0-6 cm depth (K), by neutron activation, 2B Vegetation, double irrad. time, 7 cm³ vials, sieved < 250 µm.

Results **Activation Laboratories Ltd.** **Report: A20-14312**

Still Vol.% sand D silt T	Analyte Symbol / Unit Symbol / Detection Limit / Analysis Method	Au ppb 0.1 INAA	Ag ppm 0.3 INAA	As ppm 0.01 INAA	Ba ppm 5 INAA	Br ppm 0.01 INAA	Ca % 0.01 INAA	Co ppm 0.1 INAA	Cr ppm 0.3 INAA	Cs ppm 0.05 INAA	Fe % 0.005 INAA	Hg ppm 0.05 INAA	Hf ppm 0.05 INAA	Ir ppb 0.1 INAA	? K % 0.01 INAA	? Mo ppm 0.05 INAA	Na ppm 1 INAA	Ni ppm 2 INAA	Rb ppm 1 INAA	Sb ppm 0.005 INAA	Sc ppm 0.01 INAA
3 DT	809 K	30.0	< 0.3	3.07	166	8.54	< 0.01	3.4	26.3	0.88	0.900	0.15	1.80	< 0.1	1.75	< 0.05	6390	< 2	16	0.350	2.94
3 DT	810 K	20.5	< 0.3	2.75	224	8.28	1.11	4.9	36.4	< 0.05	0.980	< 0.05	2.83	< 0.1	1.61	< 0.05	7920	< 2	32	0.310	3.61
3 D	811 K	16.1	< 0.3	3.69	208	8.33	2.65	6.8	43.8	1.05	1.460	0.20	2.51	< 0.1	1.61	< 0.05	9320	17	57	0.370	4.57
ϕ	812 K	27.8	< 0.3	3.32	29	13.30	0.95	1.9	15.9	< 0.05	0.400	0.20	0.83	< 0.1	1.91	< 0.05	2470	< 2	< 1	0.360	1.61
ϕ	813 blank M103	< 0.1 ✓	< 0.3	2.07	51	22.60	4.94	2.6	5.7	< 0.05	0.460	0.12	0.30	< 0.1	1.67	0.97	294	< 2	< 1	0.090	0.73
98 T	816 silt part of 810	4.9	< 0.3	0.39	348	1.83	1.39	3.8	57.3	0.54	1.450	< 0.05	10.60	< 0.1	< 0.01	< 0.05	19400	< 2	18	0.140	6.24
85 D	817 sand part of 811	3.8	< 0.3	0.65	298	1.81	1.15	3.1	51.0	0.42	1.240	< 0.05	2.49	< 0.1	0.28	< 0.05	15600	< 2	37	0.050	4.77
ϕ	818 K shaft test	84.6 ✓	< 0.3	54.60	209	8.46	2.81	20.1	58.4	< 0.05	2.040	0.27	1.64	< 0.1	5.78	< 0.05	5410	< 2	29	0.620	12.40
	819 OREAS 45e	58.9 53	< 0.3	15.30 ✓	192	3.37	< 0.01	61.2 / 1100.0 979		< 0.85	25.100 ✓	< 0.05	6.88 3.11	< 0.1	~~5.16~~ 0.4	~~< 0.05~~ 2.4	590 ✓	433 ✓	< 1	0.960 ✓	99.30 ✓
ϕ	820 = 527 K	19.7 ✓	< 0.3	2.81 1.83	39	14.10	0.82	1.4	8.6 ✓	< 0.05	0.270 0.19	0.34	0.14	< 0.1	5.80	< 0.05	608	< 2	< 1	0.330	0.88

809 – 811 swirled in pan to remove fine sand-silt dregs. 816 – 817 show that no gold is in sand-silt, but would dilute.

Still Vol.% sand D silt T	Analyte Symbol / Unit Symbol / Detection Limit / Analysis Method	Se ppm 0.1 INAA	Sr ppm 100 INAA	Ta ppm 0.05 INAA	Th ppm 0.1 INAA	U ppm 0.01 INAA	W ppm 0.05 INAA	Zn ppm 2 INAA	La ppm 0.01 INAA	Ce ppm 0.1 INAA	Nd ppm 0.3 INAA	Sm ppm 0.001 INAA	Eu ppm 0.05 INAA	Tb ppm 0.1 INAA	Lu ppm 0.001 INAA	Yb ppm 0.005 INAA	Mass g INAA	
3 DT	809 K	< 0.1	< 100	< 0.05	2.5	0.18	< 0.05	122	8.53	15.9	8.2	0.910	0.32	< 0.1	0.080	0.430	2.88	– on leached sand at 5 cm
3 DT	810 K	< 0.1	< 100	< 0.05	3.5	0.93	< 0.05	100	12.50	24.5	11.3	1.420	0.67	< 0.1	0.050	0.610	3.10	
3 D	811 K	< 0.1	< 100	< 0.05	4.0	0.92	< 0.05	295	12.00	21.3	10.7	1.210	0.53	< 0.1	0.050	0.620	3.48	– very sandy slope to pit
ϕ	812 K	< 0.1	< 100	< 0.05	0.9	< 0.01	< 0.05	87	3.39	7.2	3.8	0.420	0.12	< 0.1	0.020	0.210	2.57	– on > 1m black swamp muck
ϕ	813 blank M103	< 0.1	< 100	< 0.05	1.1	0.51	< 0.05	16	2.86	5.5	5.7	0.320	0.07	< 0.1	< 0.001	0.160	2.91	– blank black muck 103
98 T	816 silt part of 810	< 0.1	< 100	< 0.05	8.1	1.16	< 0.05	< 2	22.90	42.1	17.8	2.470	1.07	< 0.1	0.110	1.060	8.41	– < 125 µm
85 D	817 sand part of 811	< 0.1	< 100	< 0.05	2.9	< 0.01	< 0.05	9	8.43	16.2	5.1	0.970	0.55	< 0.1	0.080	0.530	9.44	– 125 - 250 µm
ϕ	818 K shaft test	< 0.1	< 100	< 0.05	1.6	< 0.01	0.66	240	6.86	14.2	4.9	1.220	0.18	< 0.1	0.050	0.970	3.15	– 125-250 µm, test.
	819 OREAS 45e	< 0.1	< 100	< 0.05	12.7 ✓	2.31	~~< 0.05~~ 1.07	< 2 46	12.90 ✓	26.4 ✓	5.9	2.200	0.52	< 0.1	0.220	1.750	6.68	– Standard test
ϕ	820 = 527 K	< 0.1	< 100	< 0.05	0.7	< 0.01	< 0.05	135	3.11	6.1	1.2	0.400	< 0.05	< 0.1	0.010	0.170	2.88	– Batch test

Quality Analysis ... **Actlabs** *Innovative Technologies*

Report No.: A22-09825
Report Date: 05-Aug-22
Date Submitted: 14-Jul-22
Your Reference: MUS-WH-VEG

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

ATTN: Hermann Daxl

CERTIFICATE OF ANALYSIS

49 Vial samples were submitted for analysis. packed full with decayed vegetation sieved <250 µm, etc.

The following analytical package(s) were requested:		Testing Date:
~~2B-150~~ See Mass net gram	QOP INAAGEO (Vegetation INAA)	2022-07-27 10:35:13

by neutron activation, double irradiation time

REPORT **A22-09825**

Notes:

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

SCC Accredited LAB
LAB Accredite CCN TV
LabID: 266

CERTIFIED BY:

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Decayed vegetation from 0-6 cm depth (K) sieved < 250 micron - by neutron activation - 2 B veg - double irrad. time - med. vials 7 cm³, see mass in g.

Results **Activation Laboratories Ltd.** **Report: A22-09825**

	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
Still	Analysis Method		INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
Vol.% sand silt clay	COBL blank		< 0.1	< 0.3	< 0.01	< 5	4.17	< 0.01	1.4	< 0.3	< 0.05	< 0.005	< 0.05	< 0.05	< 0.1	0.80	< 0.05	79	< 2	23	< 0.005	0.25
0	828	M at 90 cm	< 0.1	< 0.3	13.60	< 5	50.20	5.42	10.8	78.0	1.42	1.420	< 0.05	< 0.05	< 0.1	0.82	10.80 ?	618	< 2	< 1	< 0.005	4.10
0	829	K	24.9	< 0.3	3.39	< 5	17.10	< 0.01	3.3	21.8	< 0.05	0.490	< 0.05	< 0.05	< 0.1	1.04	< 0.05	1640	< 2	< 1	0.560	1.52
0	830	K	24.8	< 0.3	3.27	< 5	23.50	< 0.01	3.1	12.8	< 0.05	0.520	0.90	< 0.05	< 0.1	1.02	< 0.05	2080	< 2	< 1	0.550	1.43
0	831	K	34.4	< 0.3	3.29	< 5	20.10	2.79	2.9	22.0	< 0.05	0.550	0.92	0.69	< 0.1	0.82	6.91 ?	3220	< 2	< 1	0.320	2.05
1 D	832	K @	34.4	< 0.3	3.51	< 5	16.90	< 0.01	< 0.1	11.0	< 0.05	0.460	< 0.05	< 0.05	< 0.1	0.78	< 0.05	2640	< 2	< 1	0.630	1.66
0	833	K	19.1	< 0.3	2.21	< 5	16.80	1.90	2.9	16.9	< 0.05	0.440	< 0.05	< 0.05	< 0.1	1.08	< 0.05	2090	< 2	< 1	0.510	1.45
0	834	K	17.4	< 0.3	3.51	< 5	17.00	< 0.01	3.1	16.1	< 0.05	0.410	< 0.05	0.84	< 0.1	1.02	< 0.05	2380	< 2	< 1	0.380	1.62
3 D	835	K @	55.8	< 0.3	5.30	< 5	17.10	2.74	4.6	35.3	< 0.05	0.850	< 0.05	< 0.05	< 0.1	0.86	< 0.05	4420	< 2	18	0.650	2.82
0	836	K	35.3	< 0.3	3.81	< 5	18.10	< 0.01	3.6	21.8	< 0.05	0.590	1.19	1.11	< 0.1	0.79	< 0.05	3190	< 2	< 1	0.970	2.26
100 ST	837	E < 125	151.0 ?	< 0.3	3.98	344	8.51	< 0.01	12.4	149.0	0.61	3.800	< 0.05	13.20	< 0.1	0.36	< 0.05	16900	< 2	< 1	< 0.005	10.10
0	838	K	34.7	< 0.3	4.66	189	14.40	< 0.01	2.9	27.6	< 0.05	0.600	< 0.05	< 0.05	< 0.1	1.01	< 0.05	3090	< 2	< 1	0.720	2.27
0	839	K	26.9	< 0.3	2.74	< 5	16.50	< 0.01	3.5	18.4	< 0.05	0.430	< 0.05	1.09	< 0.1	0.78	< 0.05	1860	< 2	< 1	0.270	1.40
2 D	840	K @	75.1	< 0.3	4.03	< 5	15.30	< 0.01	3.0	42.6	< 0.05	0.740	< 0.05	< 0.05	< 0.1	0.98	< 0.05	5020	< 2	< 1	0.690	2.67
3 D	841	K 125-250 @	94.0	< 0.3	6.32	376	15.40	< 0.01	< 0.1	34.3	< 0.05	0.790	< 0.05	1.35	< 0.1	1.05	< 0.05	5060	< 2	< 1	1.450	2.76
5 DC	842	K 125-250 @	10.2	< 0.3	5.97	285	12.70	< 0.01	6.7	63.4	1.17	1.920	< 0.05	5.27	< 0.1	0.63	< 0.05	11400	< 2	37	0.770	5.08
2 D	843	K @	25.0	< 0.3	1.90	228	10.40	1.96	2.8	31.9	< 0.05	0.730	0.80	3.56	< 0.1	0.75	< 0.05	8020	< 2	29	0.190	2.71
1 D	844	mt 1500-3000	39.8	< 0.3	634.00	366	< 0.01	1.52	1130.0	358.0	< 0.05	42.400	< 0.05	2.21	< 0.1	0.25	< 0.05	3220	< 2	< 1	40.900	3.96
3 D	845	K @	10.9	< 0.3	5.83	< 5	20.20	3.44	6.7	19.0	< 0.05	1.140	< 0.05	< 0.05	< 0.1	0.83	< 0.05	3930	< 2	< 1	0.580	2.07
0	846	K	21.9	< 0.3	2.84	< 5	15.60	1.96	3.3	21.9	< 0.05	0.570	0.75	1.68	< 0.1	0.86	< 0.05	3430	< 2	< 1	0.470	1.99
1 T	847	K	50.7	< 0.3	5.99	263	23.90	1.84	4.3	28.0	< 0.05	0.820	< 0.05	1.93	< 0.1	0.70	10.30 ?	5340	< 2	23	0.630	2.66
2 T	848	K @	45.8	< 0.3	3.71	173	13.70	2.02	4.6	27.6	< 0.05	0.640	< 0.05	2.59	< 0.1	0.76	< 0.05	6340	< 2	< 1	0.810	2.76
0	849	K	47.3	< 0.3	8.47	< 5	23.00	2.76	4.8	14.9	0.81	0.690	0.60	< 0.05	< 0.1	0.66	< 0.05	1910	< 2	< 1	0.630	1.37
0	850	K	80.8	< 0.3	4.19	< 5	18.80	< 0.01	3.6	15.5	< 0.05	0.480	< 0.05	< 0.05	< 0.1	0.94	< 0.05	2230	< 2	< 1	0.440	1.72
5 D	851	K @	13.2	< 0.3	1.90	246	13.40	< 0.01	4.7	30.9	< 0.05	0.780	< 0.05	2.71	< 0.1	0.80	< 0.05	7240	< 2	< 1	0.660	3.20

Results — Activation Laboratories Ltd. — Report: A22-09825

sieve size micron		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
<250	852	50 DT of 841 K	38.0	< 0.3	1.95	469	7.10	< 0.01	2.2	47.4	< 0.05	0.960	< 0.05	4.42	< 0.1	0.36	< 0.05	16100	< 2	57	1.200	3.87
<125	853	80% DT of 842 K	< 0.1	< 0.3	1.85	581	5.39	2.42	3.9	51.9	< 0.05	1.410	< 0.05	8.96	< 0.1	0.39	< 0.05	19800	< 2	128	< 0.005	5.06
<250	854	80% D of 851 K	< 0.1	< 0.3	< 0.01	454	4.29	1.84	3.7	47.9	< 0.05	0.970	< 0.05	5.85	< 0.1	0.18	< 0.05	19200	< 2	57	0.280	4.22
<250	855	= 812, KA	35.9 27.8	< 0.3	5.85 3.32	< 5	20.00	3.24	3.6	18.5	< 0.05	0.470	< 0.05	< 0.05	< 0.1	0.85	< 0.05	2520 ✓	< 2	< 1	0.740	1.84 ✓
	856	OREAS 45h	34.6 ✓	< 0.3	19.50 ✓	446	8.14	< 0.01	100.0 ✓	753.0 602	1.32 2.3	22.500 19.5	< 0.05	5.90	< 0.1	0.38	< 0.05	952	829 423	< 1	0.370	60.00 ✓

Quality Control — Activation Laboratories Ltd. — Report: A22-09825

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	24.5			< 5		< 0.01	31.6	627.0	4.14	16.000		9.54		0.43		971	233	42		50.00
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	< 0.01	< 0.05	< 1	< 2	< 1	< 0.005	< 0.01

The 151 ppb Au in 837 could be one 100 µm gold flake, as ALS returned only 0.7 ppb Au. Such rare flakes are not useful.

Results **Activation Laboratories Ltd.** **Report: A22-09825**

Still Vol.% sand silt clay	Analyte Symbol / Unit Symbol / Detection Limit / Analysis Method		Se ppm 0.1 INAA	Sr ppm 100 INAA	Ta ppm 0.05 INAA	Th ppm 0.1 INAA	U ppm 0.01 INAA	W ppm 0.05 INAA	Zn ppm ALS 2 INAA	La ppm 0.01 INAA	Ce ppm 0.1 INAA	Nd ppm 0.3 INAA	Sm ppm 0.001 INAA	Eu ppm 0.05 INAA	Tb ppm 0.1 INAA	Lu ppm 0.001 INAA	Yb ppm 0.005 INAA	Mass g net INAA	INORGANIC TOP AT cm DEPTH
	COBL	blank ✓	< 0.1	< 100	< 0.05	< 0.1	< 0.01	< 0.05	< 2	0.90	< 0.1	< 0.3	0.090	< 0.05	< 0.1	< 0.001	< 0.005	3.15	– Van Houtte Columbian Coffee
θ	828	M at 90 cm	< 0.1	< 100	< 0.05	5.5	5.11	< 0.05	55 < 2	57.00	77.3	37.5	5.480	1.56	< 0.1	0.370	1.440	3.43	– black swamp muck from 90 cm
θ	829	K	< 0.1	< 100	< 0.05	0.8	< 0.01	< 0.05	194	4.54	8.4	< 0.3	0.540	0.32	< 0.1	< 0.001	< 0.005	2.74	> 110
θ	830	K	< 0.1	< 100	< 0.05	1.2	< 0.01	< 0.05	129	4.60	6.5	< 0.3	0.500	< 0.05	< 0.1	0.070	< 0.005	2.71	80 greenish fine sand
θ	831	K	< 0.1	< 100	< 0.05	1.3	0.79	< 0.05	188	5.97	9.1	< 0.3	0.660	< 0.05	< 0.1	0.060	0.280	2.88	70 beige sand
1D	832	K ◎	< 0.1	< 100	< 0.05	1.1	< 0.01	< 0.05	141	5.17	7.4	< 0.3	0.540	< 0.05	< 0.1	0.010	< 0.005	2.71	10 fine black to bleached D
θ	833	K	< 0.1	< 100	< 0.05	0.5	< 0.01	< 0.05	193	4.82	10.9	< 0.3	0.530	< 0.05	< 0.1	< 0.001	< 0.005	2.72	50 gray sand
θ	834	K	< 0.1	< 100	< 0.05	0.9	< 0.01	< 0.05	129 215	4.99	5.3	< 0.3	0.510	< 0.05	< 0.1	0.030	< 0.005	2.75	100 fine beige sand
3D	835	K ◎	< 0.1	< 100	< 0.05	1.3	< 0.01	< 0.05	126	8.92	14.4	10.5	0.890	< 0.05	< 0.1	0.110	0.480	2.75	8 gravel
θ	836	K	< 0.1	< 100	< 0.05	1.6	< 0.01	< 0.05	126 158	6.47	8.9	< 0.3	0.680	< 0.05	< 0.1	0.040	0.430	2.70	5 leached gray coarse sand
100 DT	837	E < 125 µm	< 0.1	< 100	< 0.05	12.1	0.95	< 0.05	34 < 2	43.20	60.5	34.3	4.200	0.97	< 0.1	0.300	1.570	8.62	– from 10-20 cm, quite brown D
θ	838	K	< 0.1	< 100	< 0.05	0.7	< 0.01	< 0.05	133	6.05	14.3	< 0.3	0.640	< 0.05	< 0.1	0.090	< 0.005	2.74	5 leached sand, at 10 = E
θ	839	K	< 0.1	< 100	< 0.05	0.6	< 0.01	< 0.05	125 125	4.52	4.4	< 0.3	0.490	< 0.05	< 0.1	0.030	< 0.005	2.88	60 med. beige sand
2D	840	K ◎	< 0.1	< 100	< 0.05	1.4	< 0.01	< 0.05	120 169	7.57	14.3	< 0.3	0.770	< 0.05	< 0.1	0.090	0.490	3.01	5 gray sand, at 10 = E
3D	841	K 125-250 ◎	< 0.1	< 100	< 0.05	1.4	< 0.01	< 0.05	198	9.06	15.3	< 0.3	0.920	< 0.05	< 0.1	0.100	0.480	2.63	5 leached sand, at 10 = E
5DC	842	K 125-250 ◎	< 0.1	< 100	< 0.05	4.7	< 0.01	< 0.05	94 319 ?	19.20	24.3	< 0.3	1.870	0.75	< 0.1	0.160	0.620	3.87	10 brown sand, at 40 = T
2D	843	K ◎	< 0.1	< 100	< 0.05	2.7	< 0.01	< 0.05	118 81	11.60	13.8	< 0.3	1.050	< 0.05	< 0.1	< 0.001	0.390	3.19	5 leached D, at 15 = ED
1D	844	mt 1500-3000	22.5	< 100	< 0.05	1.2	< 0.01	6.37	32000	22.80	31.8	21.3	5.230	< 0.05	< 0.1	0.450	2.630	13.60	– magnetite sand bed
3D	845	K ◎	< 0.1	< 100	< 0.05	1.9	< 0.01	< 0.05	115	9.45	15.8	< 0.3	1.090	< 0.05	< 0.1	0.080	0.340	3.18	80 fine gray sand
θ	846	K	< 0.1	< 100	< 0.05	1.4	< 0.01	< 0.05	105 115	5.46	8.6	< 0.3	0.610	< 0.05	< 0.1	< 0.001	0.280	2.81	110 greenish silt
1T	847	K	< 0.1	< 100	< 0.05	1.9	2.51	< 0.05	230	8.44	14.5	< 0.3	0.890	< 0.05	< 0.1	0.030	0.490	3.28	> 110
2T	848	K ◎	< 0.1	< 100	< 0.05	2.1	< 0.01	< 0.05	199	8.74	15.4	< 0.3	0.920	0.14	< 0.1	0.160	0.530	3.01	10 sand
θ	849	K	< 0.1	< 100	< 0.05	1.1	< 0.01	< 0.05	181 218	5.29	9.6	< 0.3	0.590	< 0.05	< 0.1	< 0.001	< 0.005	3.48	30 beige fine sand
θ	850	K	< 0.1	< 100	< 0.05	0.3	< 0.01	< 0.05	127 161	5.22	9.9	< 0.3	0.570	< 0.05	< 0.1	< 0.001	< 0.005	2.75	120 gray clay
5D	851	K ◎	< 0.1	< 100	< 0.05	2.2	< 0.01	< 0.05	125	11.30	20.0	21.5	1.120	0.51	< 0.1	0.110	0.270	3.36	2 silt

◎ means swirled in plastic gold pan to remove most D = sand, T = silt, C = clay, from dry < 250 µm sievings. M = Muck. E = Enriched B-horizon.

Results **Activation Laboratories Ltd.** **Report: A22-09825**

Sieve size micron	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	net	
	Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	
<250	852 50% DT of 841 K	< 0.1	< 100	< 0.05	3.7	< 0.01	< 0.05	< 2	13.90	18.8	25.1	1.410	0.36	< 0.1	0.060	0.560	5.59	
<125	853 80% DT of 842 K	< 0.1	< 100	< 0.05	4.5	0.88	< 0.05	< 2	18.90	27.0	12.8	1.990	0.57	< 0.1	0.120	0.700	7.16	
<250	854 80% D of 851 K	< 0.1	< 100	< 0.05	3.9	< 0.01	< 0.05	78	14.20	20.9	20.0	1.450	0.62	< 0.1	0.080	0.720	8.47	
<250	855 =812 K~~0~~	< 0.1	< 100	< 0.05	0.8 ✓	< 0.01	< 0.05	108 87	4.77 ✓	10.8 7.2	< 0.3	0.570 ✓	< 0.05	< 0.1	0.020	< 0.005	2.70	
	856 OREAS 45h	< 0.1	< 100	< 0.05	7.9 ✓	2.95 1.6	< 0.05	< 2 40	17.80 12	27.4 ✓	14.4 ✓	2.360 ✓	0.61 ✓	< 0.1	0.310 ✓	1.600 ✓	7.30	Standard

Quality Control **Activation Laboratories Ltd.** **Report: A22-09825**

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 45d (INAA) Meas		< 100	1.32	15.0	3.01	< 0.05		23.30	40.0	14.5	3.000	0.67	< 0.1		2.150	
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

All nonradioactive

Zinc at these levels is less reliable than by aqua regia of ALS.

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To: HERMANN DAXL
39-630 RIVERPARK RD
TIMMINS ON P4P 1B4

Finalized Date: 20-JUL-2022
Account: DAXHER

CERTIFICATE VA22175232

Project: WH-MUS-VEG

This report is for 21 samples of Decayed Vegetation submitted to our lab in Vancouver, BC, Canada on 28-JUN-2022.

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-MS41L	Super Trace Lowest DL AR by ICP-MS Aqua Regia ~0.45 g	

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 0-6 cm depth (K)
sieved <250 micron (or as marked)

BY ALS – Supertrace – aqua regia
~0.45 g aliquots

Still Vol.%	Sample Description		VA22175232 ME-MS41L Au ppb	VA22175232 ME-MS41L Ag NA	VA22175232 ME-MS41L Ag ppm	VA22175232 ME-MS41L Al %	VA22175232 ME-MS41L As ppm	VA22175232 ME-MS41L B ppm	VA22175232 ME-MS41L Ba ppm	VA22175232 ME-MS41L Be ppm	VA22175232 ME-MS41L Bi ppm
3 DT	809	K	15.4	30	0.201	0.49	3.17	<10	72.3	0.12	0.3030
3 D	811	K	5.0	16	0.150	0.57	4.18	10	89.9	0.17	0.2320
ϕ	812	K	39.3	28	0.089	0.12	3.56	<10	18.4	0.03	0.2170
ϕ	828	M 90 cm	0.2	ϕ	0.032	0.34	14.05	10	46.4	0.51	0.0497
ϕ	834	K	28.9	18	0.112	0.10	2.91	<10	31.3	0.03	0.2390
ϕ	836	K	31.7	35	0.411	0.18	3.53	<10	31.2	0.04	0.3360
100 DT	837	E <125 µm	0.7		0.080	2.67	2.65	<10	19.8	0.45	0.0815
ϕ	839	K	21.2	27	0.116	0.12	3.06	10	43.3	0.03	0.2010
2 D	840	K	29.4	75	0.323	0.22	4.30	<10	47.4	0.05	0.3560
5 DC	842	K 125-250	17.2	10	0.187	0.74	3.99	<10	50.1	0.17	0.1915
2 D	843	K	20.5	25	0.221	0.18	2.32	<10	112.5	0.06	0.2480
ϕ	846	K	14.4	22	0.101	0.13	2.61	<10	31.9	0.03	0.2460
ϕ	849	K	18.7	47	0.182	0.15	6.94	10	79.2	0.07	0.2810
ϕ	850	K	17.5	81	0.139	0.14	3.30	10	40.4	0.04	0.3090
	856	OREAS 45h	35.5 ✓		0.075 ✓	3.71 ✓	8.05 ✓	10	269.0 ✓	0.85 ✓	0.1210 ✓

Volume percent D=sand, T=silt, C=clay content. M=black swamp muck, 90 cm depth.
E = enriched horizon sand-silt.

NA – gold is more reliable by neutron activation.
Lab dupl. of 828 all OK ✓ Both blanks also OK ✓

Sample Description			VA22175232 ME-MS41L Ca %	VA22175232 ME-MS41L Cd ppm	VA22175232 ME-MS41L Ce ppm	VA22175232 ME-MS41L Co ppm	VA22175232 ME-MS41L Cr ppm	VA22175232 ME-MS41L Cs ppm	VA22175232 ME-MS41L Cu ppm	VA22175232 ME-MS41L Fe %
3 DT	809	K	0.42	1.280	9.34	2.170	11.40	0.387	66.50	0.600
3 D	811	K	1.54	1.125	10.60	4.570	17.00	0.409	38.90	0.860
ϕ	812	K	0.83	0.962	3.17	1.005	5.73	0.133	72.70	0.270
ϕ	828	M 90 cm	5.07	0.645	75.20	7.800	56.50	0.142	10.55	1.040
ϕ	834	K	0.70	1.135	2.81	1.175	4.78	0.138	74.00	0.238
ϕ	836	K	0.41	1.855	3.29	1.355	6.19	0.330	89.20	0.310
100 DT	837	E <125 µm	0.08	0.161	28.60	4.650	44.80	0.520	8.77	1.910
ϕ	839	K	0.72	1.050	3.03	1.105	6.03	0.199	63.80	0.270
2 D	840	K	0.63	1.610	4.52	1.615	7.21	0.342	68.60	0.380
5 DC	842	K 125-250	0.59	0.687	14.60	3.780	19.00	0.440	41.70	1.030
2 D	843	K	0.91	0.978	6.12	1.620	5.85	0.318	35.20	0.290
ϕ	846	K	0.44	0.767	3.57	1.050	6.81	0.180	67.20	0.300
ϕ	849	K	2.39	1.295	3.26	2.720	3.66	0.154	39.00	0.450
ϕ	850	K	0.74	0.987	3.27	1.205	6.20	0.264	80.30	0.310
	856	OREAS 45h	0.11 ✓	0.007	18.20 ✓	77.900 ✓	491.00 ✓	1.180 ✓	693.00 ✓	18.350 ✓

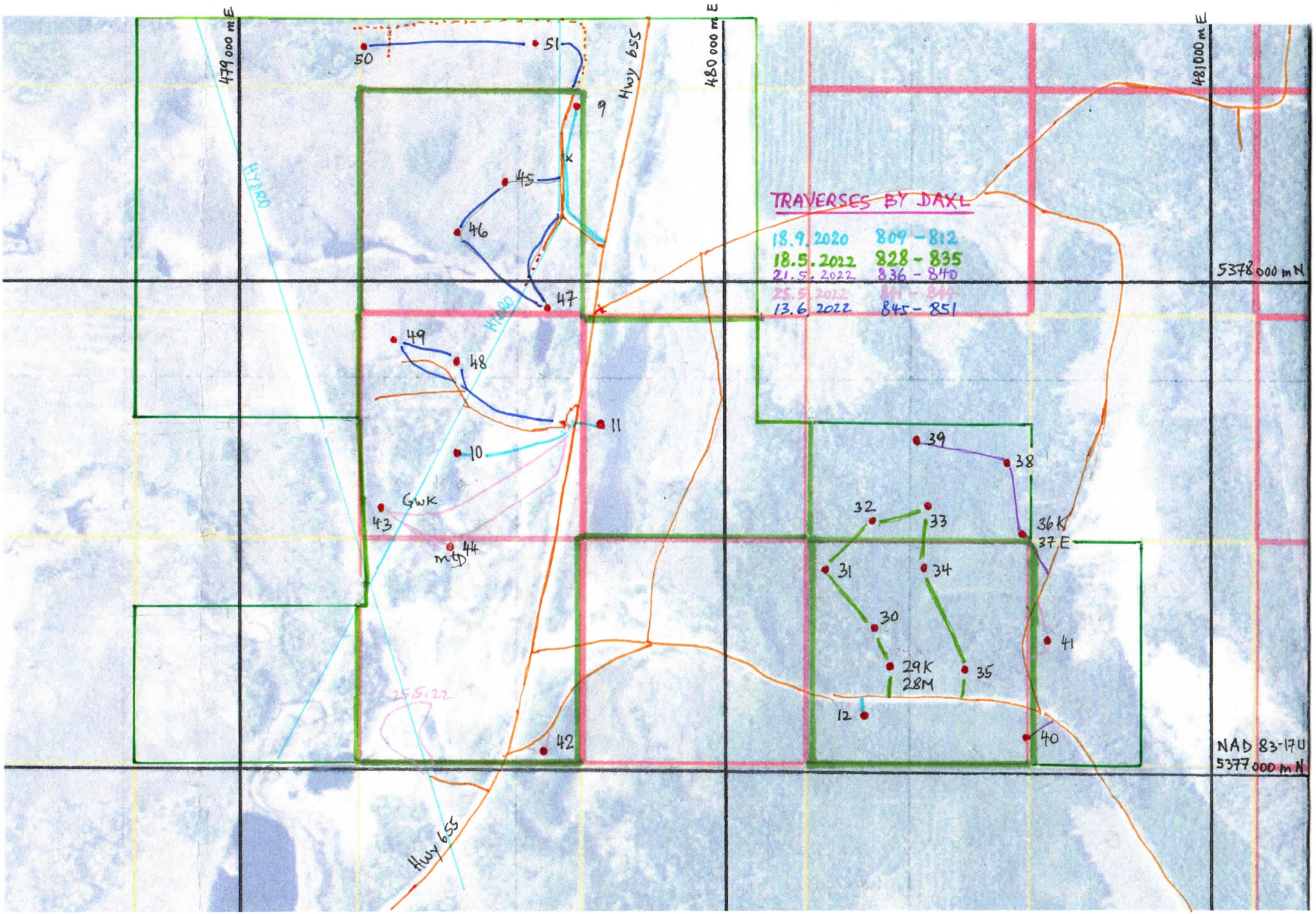
Still Vol.%	Sample Description		VA22175232 ME-MS41L Ga ppm	VA22175232 ME-MS41L Ge ppm	VA22175232 ME-MS41L Hf ppm	VA22175232 ME-MS41L Hg ppm	VA22175232 ME-MS41L In ppm	VA22175232 ME-MS41L K %	VA22175232 ME-MS41L La ppm	VA22175232 ME-MS41L Li ppm
3 DT	809	K	2.050	0.027	0.004	0.203	0.178	0.08	4.250	2.9
3 D	811	K	3.430	0.024	0.005	0.105	0.071	0.08	5.130	4.8
0	812	K	0.462	0.024	0.010	0.241	0.144	0.06	1.540	0.5
0	828	M 90	0.904	0.300	0.207	0.112	0.008	0.01	35.200	0.3
0	834	K	0.408	0.021	0.009	0.254	0.166	0.09	1.345	0.4
0	836	K	0.616	0.028	0.007	0.297	0.216	0.07	1.665	0.4
100 DT	837	E <125	4.670	0.037	0.061	0.065	0.024	0.02	14.150	10.4
0	839	K	0.445	0.022	0.010	0.319	0.121	0.11	1.460	0.5
2 D	840	K	0.933	0.033	0.006	0.277	0.194	0.07	2.390	0.6
5 DC	842	K 125-250	3.770	0.029	0.008	0.129	0.076	0.07	7.060	5.6
2 D	843	K	1.090	0.023	0.003	0.153	0.100	0.09	4.280	0.6
0	846	K	0.523	0.022	0.010	0.291	0.139	0.07	1.685	0.6
0	849	K	0.677	0.051	0.019	0.258	0.096	0.07	1.575	0.5
0	850	K	0.590	0.031	0.014	0.293	0.191	0.09	1.585	0.5
	856	OREAS 45h	16.000 ✓	0.139 ✓	0.745 0.9	0.021 ✓	0.081 ✓	0.08 ✓	8.530 ✓	6.2

	Sample Description		VA22175232 ME-MS41L Mg %	VA22175232 ME-MS41L Mn ppm	VA22175232 ME-MS41L Mo ppm	VA22175232 ME-MS41L Na %	VA22175232 ME-MS41L Nb ppm	VA22175232 ME-MS41L Ni ppm	VA22175232 ME-MS41L P %	VA22175232 ME-MS41L Pb ppm
3 DT	809	K	0.11	649.0	0.43	0.004	0.460	9.22	0.087	37.400
3 D	811	K	0.23	521.0	0.38	0.008	0.745	11.95	0.093	31.300
0	812	K	0.11	70.3	0.42	0.003	0.119	5.63	0.056	17.400
0	828	M 90	0.25	60.9	0.77	0.006	0.792	12.65	0.052	1.870
0	834	K	0.08	269.0	0.35	0.005	0.109	5.12	0.061	22.800
0	836	K	0.08	347.0	0.44	0.004	0.129	8.62	0.088	29.100
100 DT	837	E <125	0.15	99.9	0.25	0.004	1.695	17.30	0.082	8.200
0	839	K	0.10	115.5	0.40	0.006	0.114	5.59	0.066	21.700
2 D	840	K	0.10	410.0	0.53	0.003	0.187	10.05	0.083	40.800
5 DC	842	K 125-250	0.19	422.0	0.40	0.011	0.965	12.45	0.073	22.300
2 D	843	K	0.09	1120.0	0.38	0.005	0.170	6.04	0.086	31.100
0	846	K	0.08	304.0	0.51	0.006	0.155	5.65	0.073	16.250
0	849	K	0.14	1680.0	1.92	0.005	0.125	5.39	0.100	38.300
0	850	K	0.09	386.0	0.55	0.006	0.143	6.46	0.068	27.400
	856	OREAS 45h	0.15 ✓	235.0 ✓	0.74 ✓	0.031 ✓	0.112	350.00 ✓	0.017	9.840

Sill Vol.%	Sample Description		VA22175232 ME-MS41L Pd ppb	VA22175232 ME-MS41L Pt ppb	VA22175232 ME-MS41L Rb ppm	VA22175232 ME-MS41L Re ppm	VA22175232 ME-MS41L S %	VA22175232 ME-MS41L Sb ppm	VA22175232 ME-MS41L Sc ppm	VA22175232 ME-MS41L Se ppm
3 DT	809	K	1	<2	7.260	0.0004	0.10	0.284	0.447	1.205
3 D	811	K	1	<2	12.300	0.0003	0.11	0.203	0.595	0.574
0	812	K	4	<2	2.620	0.0006	0.15	0.217	0.434	1.210
0	828	M 90 cm	4	<2	1.675	0.0064	0.45	0.075	2.000	2.710
0	834	K	3	<2	3.480	0.0007	0.13	0.259	0.378	1.100
0	836	K	4	<2	5.040	0.0009	0.14	0.590	0.379	1.685
100 DT	837	E <125 µm	1	<2	4.230	<0.0002	0.01	0.109	2.520	0.509
0	839	K	2	<2	5.120	0.0006	0.14	0.245	0.423	0.916
2 D	840	K	1	<2	4.400	0.0009	0.12	0.351	0.499	1.370
5 DC	842	K 125-250	3	<2	7.300	0.0004	0.06	0.205	0.841	0.602
2 D	843	K	1	<2	7.240	0.0005	0.09	0.245	0.419	0.795
0	846	K	3	<2	3.220	0.0007	0.12	0.269	0.481	1.070
0	849	K	1	<2	2.620	0.0014	0.20	0.377	0.345	1.175
0	850	K	3	<2	5.070	0.0007	0.15	0.292	0.481	1.300
	856	OREAS 45h	87 ✓	79 ✓	10.050 ✓	0.0002	0.02 ✓	0.213	51.700 ✓	0.489

	Sample Description		VA22175232 ME-MS41L ppm Sn	VA22175232 ME-MS41L ppm Sr	VA22175232 ME-MS41L ppm Ta	VA22175232 ME-MS41L ppm Te	VA22175232 ME-MS41L ppm Th	VA22175232 ME-MS41L % Ti	VA22175232 ME-MS41L ppm Tl	VA22175232 ME-MS41L ppm U
3 DT	809	K	0.96	12.10	<0.005	0.017	0.035	0.015	0.104	0.224
3 D	811	K	0.90	31.20	0.005	0.039	0.116	0.028	0.054	0.180
0	812	K	0.64	21.70	<0.005	0.014	0.151	0.004	0.024	0.063
0	828	M 90 cm	0.15	47.20	0.013	0.021	1.240	0.011	0.075	4.930
0	834	K	0.63	12.40	<0.005	0.012	0.144	0.004	0.045	0.061
0	836	K	1.13	10.10	<0.005	0.020	0.089	0.005	0.133	0.085
100 DT	837	E <125 µm	0.35	4.89	0.022	0.026	7.100	0.054	0.040	0.551
0	839	K	0.51	20.10	<0.005	0.011	0.135	0.004	0.042	0.062
2 D	840	K	1.17	16.50	<0.005	0.019	0.164	0.008	0.091	0.109
5 DC	842	K 125-250	0.74	23.50	<0.005	0.023	0.170	0.036	0.052	0.216
2 D	843	K	0.87	38.40	<0.005	0.011	0.151	0.008	0.059	0.116
0	846	K	0.73	10.50	<0.005	0.011	0.282	0.005	0.075	0.099
0	849	K	0.87	29.90	<0.005	0.041	0.140	0.004	0.102	0.312
0	850	K	1.01	15.10	<0.005	0.013	0.183	0.005	0.067	0.080
	856	OREAS 45h	1.27 ✓	15.55 ✓	<0.005	0.029	5.520 ✓	0.105 ✓	0.071 ✓	0.852 ✓

Still Vol %	Sample Description		VA22175232 ME-MS41L ppm V	VA22175232 ME-MS41L ppm W	VA22175232 ME-MS41L ppm Y	VA22175232 ME-MS41L ppm Zn	VA22175232 ME-MS41L ppm NA	VA22175232 ME-MS41L ppm Zr	Inorganic Top at cm depth
3 DT	809	K	9.9	0.263	1.440	99.0	122	0.16	5 cm – leached sand.
3 D	811	K	16.0	0.278	1.305	231.0	295	0.23	very sandy slope to pit.
θ	812	K	3.6	0.642	0.520	96.0	87	0.39	>100 still M.
θ	828	M 90	240.0	0.829	19.550	54.6		11.50	>110 still M.
θ	834	K	3.4	0.196	0.521	129.5	215	0.33	100 – fine beige sand under M.
θ	836	K	4.5	0.421	0.530	126.0	158	0.27	5cm – leached sand on E.
100 DT	837	E < 125	36.1	0.101	2.510	33.9		2.27	E from 10–20 cm depth, brown.
θ	839	K	3.7	0.228	0.575	125.5	125	0.38	60 – med. beige sand under M.
2 D	840	K	6.2	0.584	0.699	120.5	169	0.29	5 – gray sand on very dark E or rock.
5 DC	842	K 125-250	19.8	0.395	1.955	94.3	319 ?	0.31	10 – brown sand, on beige silt at 40.
2 D	843	K	5.2	0.173	1.020	118.5	81	0.18	5 – leached sand on fine E sand.
θ	846	K	4.2	0.244	0.582	105.5	115	0.41	110 – greenish silt under M.
θ	849	K	4.1	0.145	0.794	181.5	218	0.63	30 – beige fine sand
θ	850	K	4.6	0.230	0.611	127.5	161	0.48	120 – gray clay under M.
	856	OREAS 45h	221.0 ✓	0.011	7.200 ✓	26.0 ✓		25.30 ✓	Standard OREAS 45h


479 000 mE
480 000 mE
481 000 mE
5378 000 mN
5377 000 mN
NAD 83-17U
Hwy 655
HYDRO
TRAVERSES BY DAXL
18.9.2020 809 - 812
18.5.2022 828 - 835
21.5.2022 836 - 840
25.5.2022 841 - 844
13.6.2022 845 - 851
50
51
9
45
46
47
49
48
11
10
43
GWK
44
mtp
42
39
38
32
33
36K
37E
31
34
30
41
29K
28M
35
12
40
25.5.22

NAD 83 UTM Zone 17 U **Murphy Township South**

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

Sample #		Easting 4	Northing 537 . . . .
809		79703	8356
810		79441	7657
811		79741	7717
812		80284	7112
828	M	80325	7220
829		"	"
830		80300	7295
831		80208	7416
832		80304	7513
833		80412	7540
834		80406	7421
835		80493	7210
836		80609	7487
837	E	"	"
838		80579	7632
839		80397	7678
840		80622	7071
841		80669	7272
842		79633	7038
843		79292	7539
844	mt	79439	7458
845		79549	8202
846		79450	8100
847		79633	7944
848		79443	7842
849		79306	7881
850		79258	8479
851		79609	8488

(M = black swamp Muck, E = Enriched B-horizon sand, mt = magnetite sand bed)

612204 ETC.

LOG OF WORK DONE BY H. DAXL ON MURPHY SOUTH CLAIMS

2020

* 18 SEP Sampled 809 – 812
19 " Drying samples, cleaning
11 Oct. Sieving, separating sand
5 NOV. Fill vials, lab order, send

2022

* 18 MAY Sampled 828 – 835
19 " Dry, plot, map.
* 21 " Sampled 836 – 840
23 " Dry, sieve.
24 " Sieve
* 25 " Sampled 841 – 844
28 " Sieve, dry.
* 13 JUNE Sampled 845 – 851
14 " Dry, plot, envelope
18 " Make maps, UTM list
19 " Sieve samples
23 " Fill envelopes + weigh, pack, lab order ALS, pack, sieve, file.
28 " Annotate and evaluate 809 – 820
9 JULY Label weigh empty vials, fill, weigh full, list for lab, pack, ship ACTLABS
11 " Study OB holes and 1 DDH and draft Introduction
21 " Study ALS results, compare results, standards.
9 Aug Annotate ALS, print, draft report start, write to ACTLABS.
12 " Finish draft, make elementmaps
13 " Proofread report, corrections.
14 " Finish writing and typing report
15 " Write log and make copies, scan to file, review report.
16 " Annotate ACTL. results

26 days TOTAL = * 5 prospecting, collect 28 samples
11 sample preparation – beneficiation
10 Report, Maps

Assessment Work Report

MURPHY SOUTH – H. Daxl, Report dated 17 August 2022

Prospecting / Grassroots
18.9.2020 – 13.6.2022 5 days x 350 $ 1,750 *

Sampling / Beneficiation
19.9.2020 – 9.7.2022 11 days x 400 $ 4,400

Assoc. Work / Assays
10.11.2020 – 5.8.2022 excl. HST
$ 300 ACTLABS A20-14312 – 10 analyses
$ 944 ACTLABS A22-09825 – 30 analyses
$ 776 ALS VA22175232 – 15 analyses
$ 2,012 (55 x 36.58) 55 analyses $ 2,020

Assoc. Cost / Pers. Transport
Assoc. Cost 18.9.2020 – 13.6.2022 5 trips x 30 = 150 km x 0.50 $ 75

SHIPPING Samples 24.6. – 11.8.22
Express Post 24.6.22 ALS 24.73
– " – 11.7.22 ACTL. 17.91
Loonis vials 11.8.22 ACTL. 18.10

Assoc. Cost / Supplies 18.9.2020 – 17.8.2022 Paper Inc Bags, ribbons $ 61 $ 44
Assoc. Cost / Report / Maps 18.6.2022 – 17.8.2022 10 days x 500 $ 5,000
$ 13,350

DISTRIBUTION :

CLAIM	Sample Spots	Work done
630978	2	1027
612204	4	2054
612205	4	2054
612206	1	513
612207	2	1027
612208	7	3595
630994	5	2567
630995	1	513
	26 x 513.44	$ 13,350

Put Pending Distr. to also 630976, 977, 979, 980, 993, 996.

* Please double for Prospecting