Ontario

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(Part 2 - SW Extension)

More Gold

in Decayed Vegetation

north of Shillington

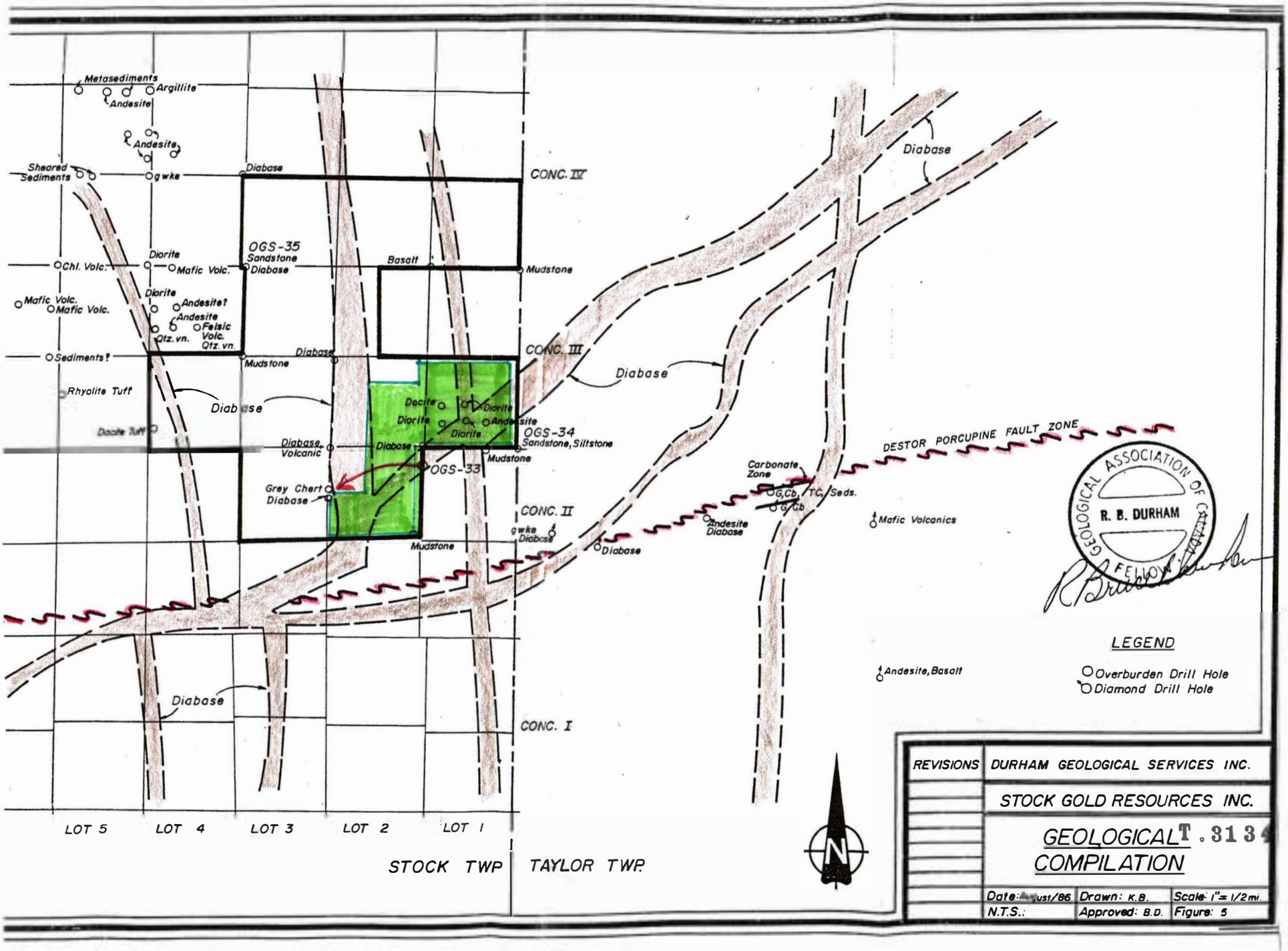
Stock Township, Ontario, Canada

Claims: 520440, 537081, 537082, 537083, 537084, 537194, 537195, 537903

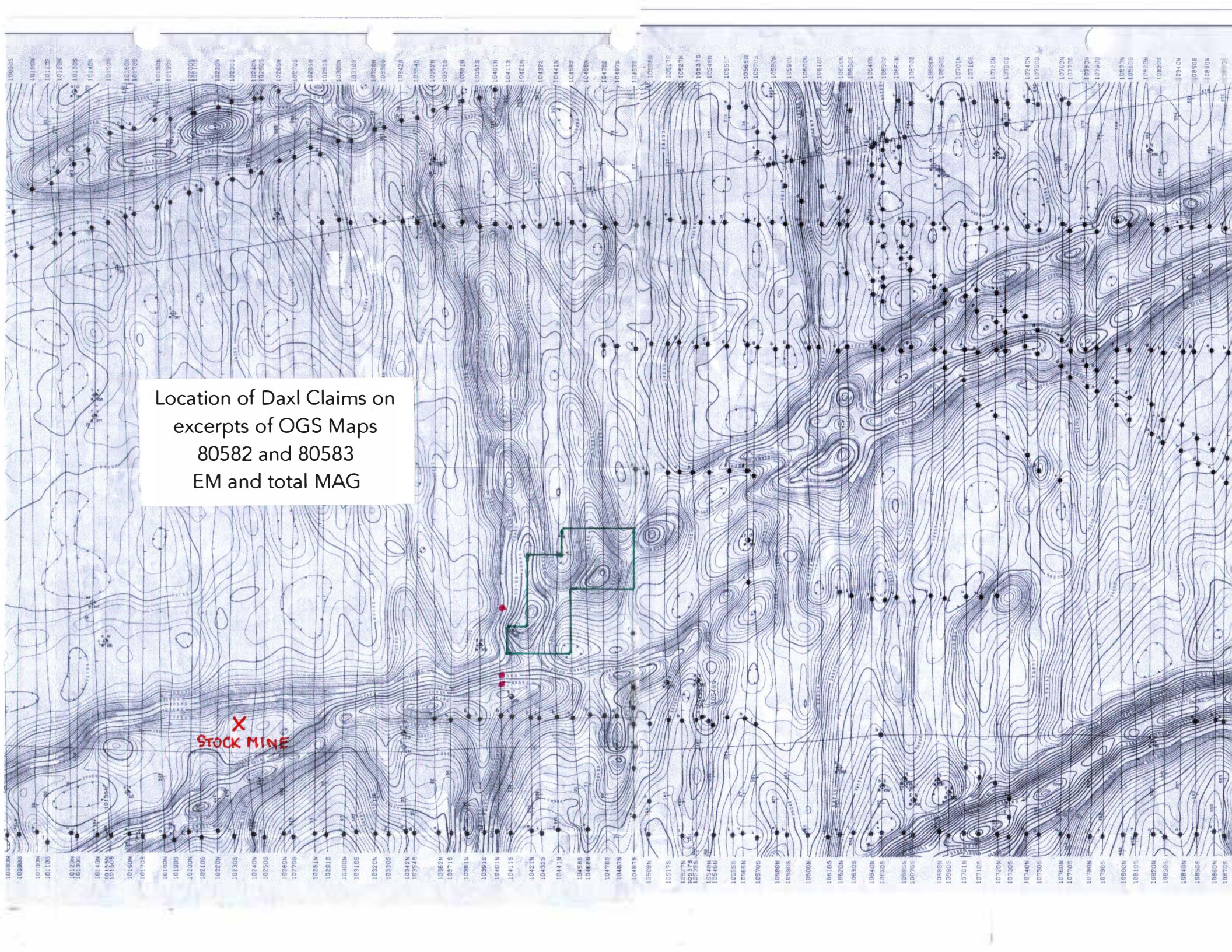
Cells: 42A10B069, 070, 071, 089, 090, 108, 109, 110

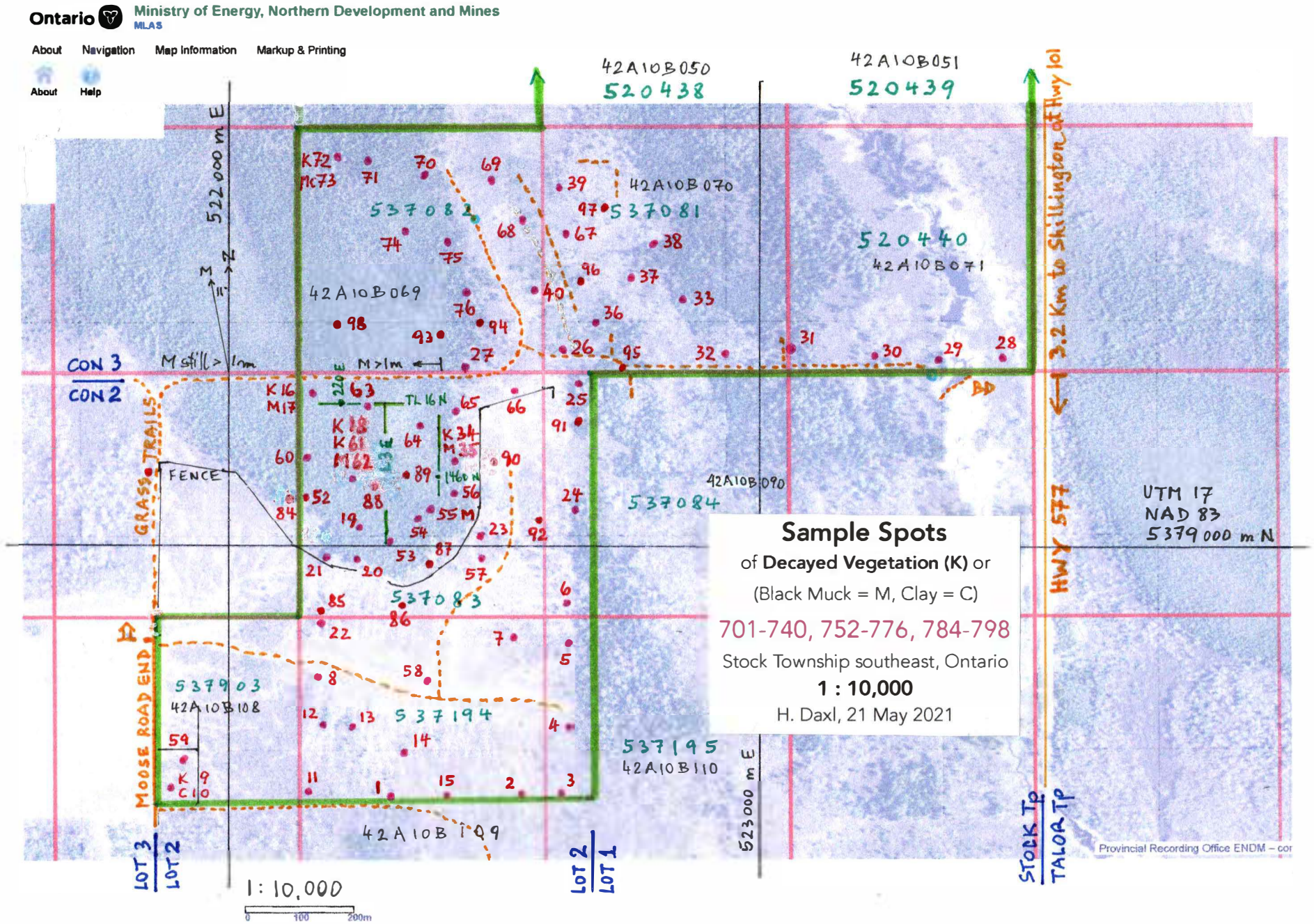
Report by Hermann Daxl, M.Sc.(Minex), Claim Holder

2 February 2022



REVISIONS	DURHAM GEOLOGICAL SERVICES INC.		
	STOCK GOLD RESOURCES INC.		
	GEOLOGICAL COMPILATION		T. 3134
	Date: August/86	Drawn: K.B.	Scale: 1"= 1/2 mi.
	N.T.S.:	Approved: B.D.	Figure: 5


Location of Daxl Claims on
excerpts of OGS Maps
80582 and 80583
EM and total MAG
X
STOCK MINE



Sample Spots

of **Decayed Vegetation (K)** or

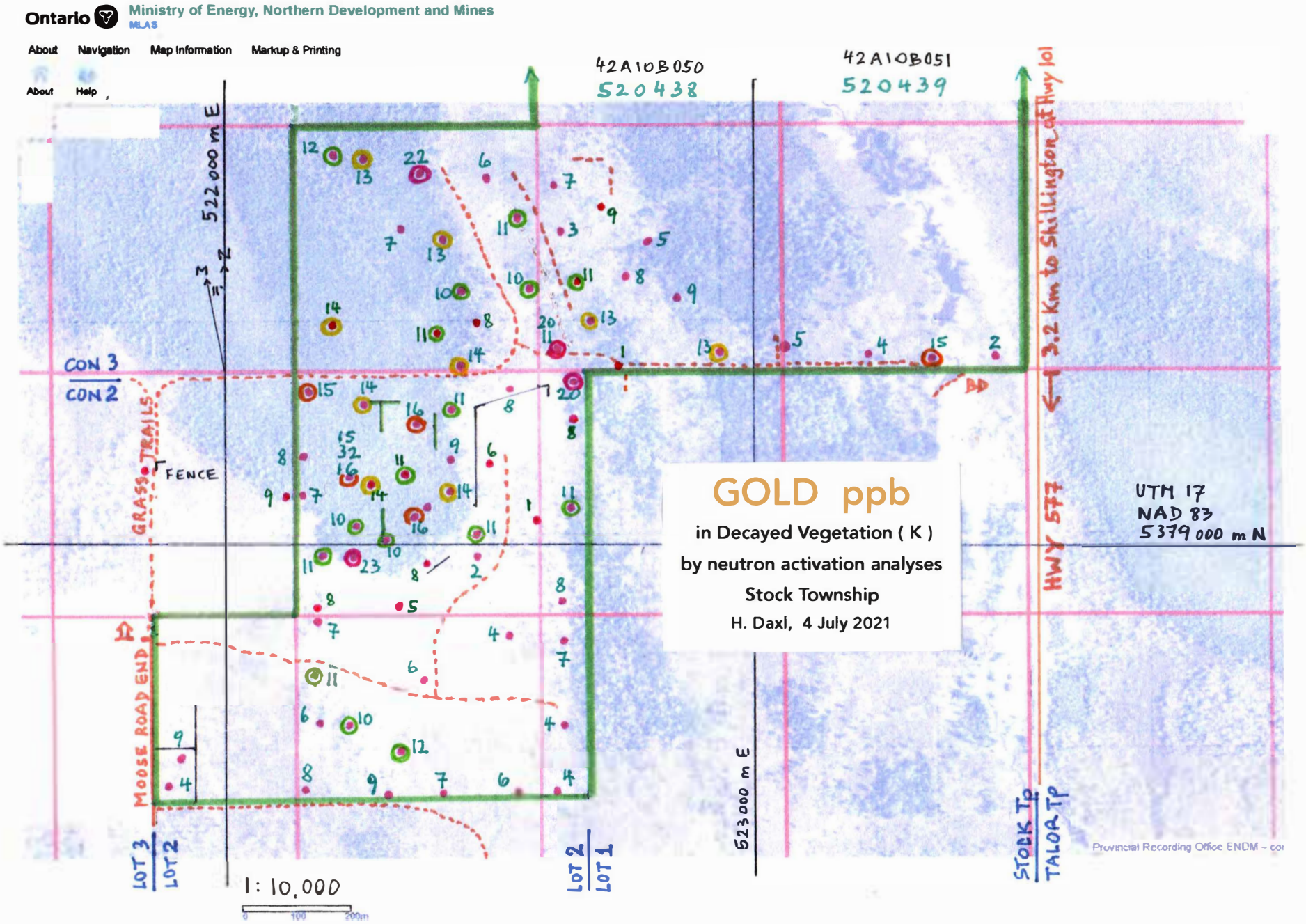
(Black Muck = M, Clay = C)

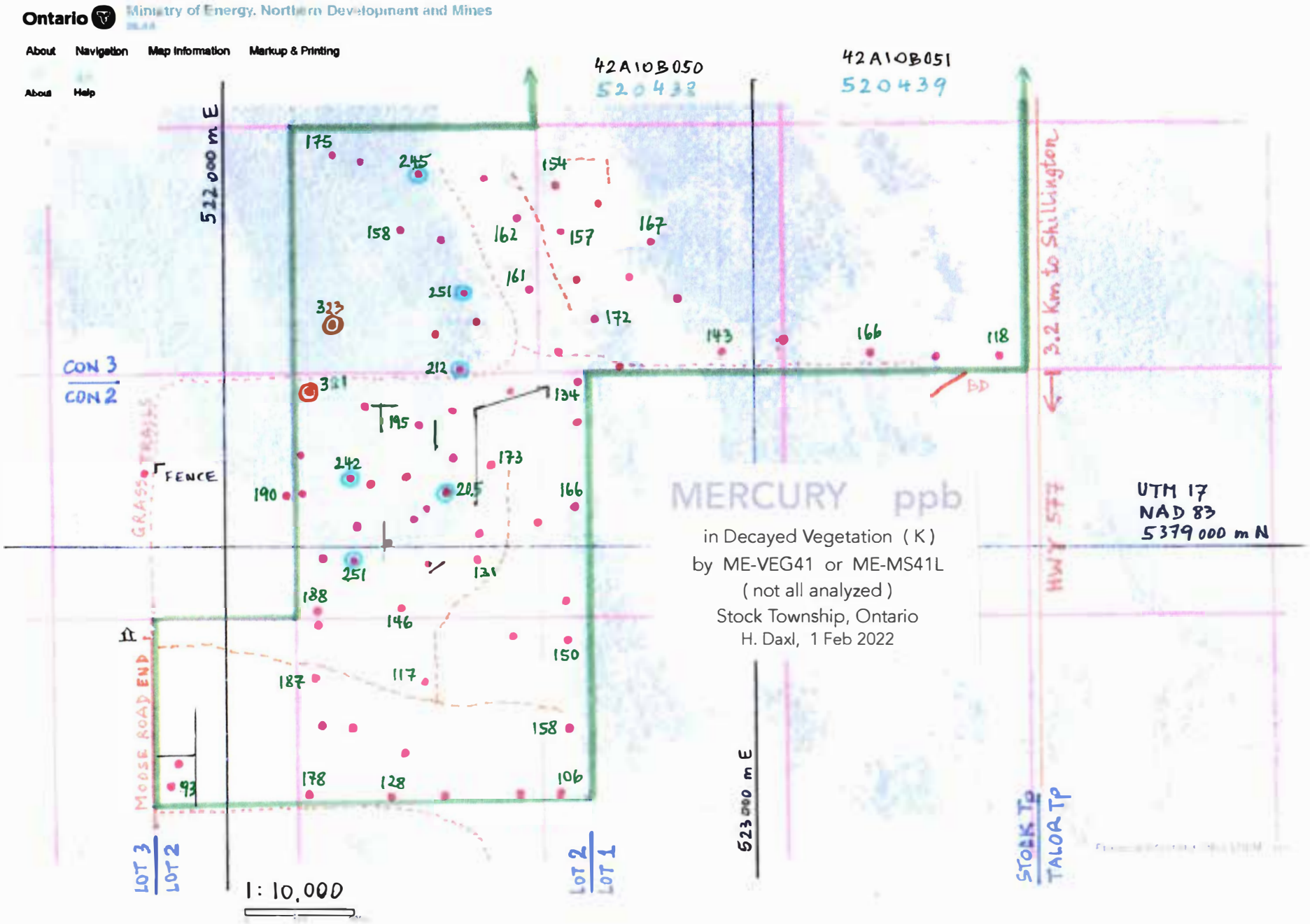
701-740, 752-776, 784-798

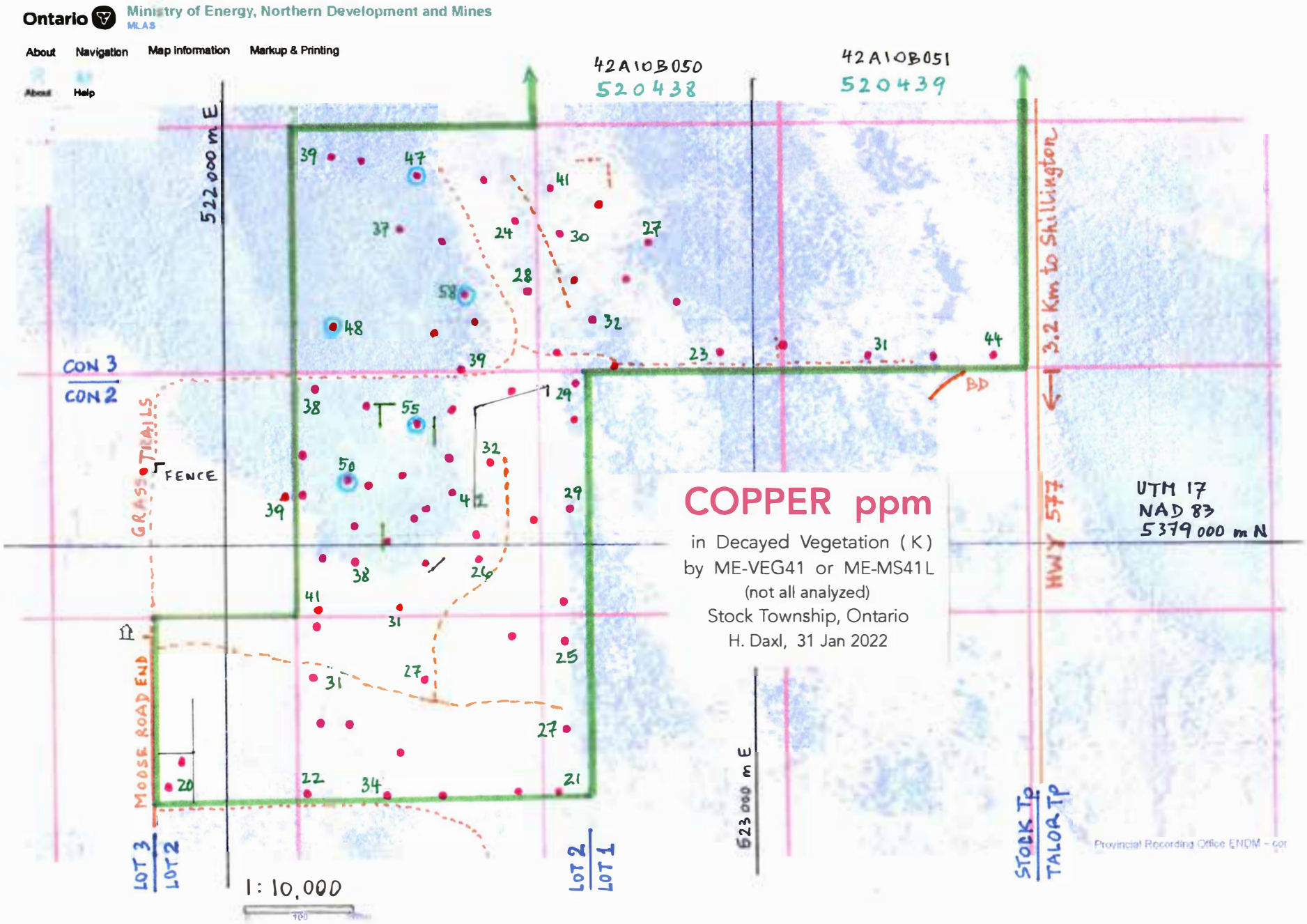
Stock Township southeast, Ontario

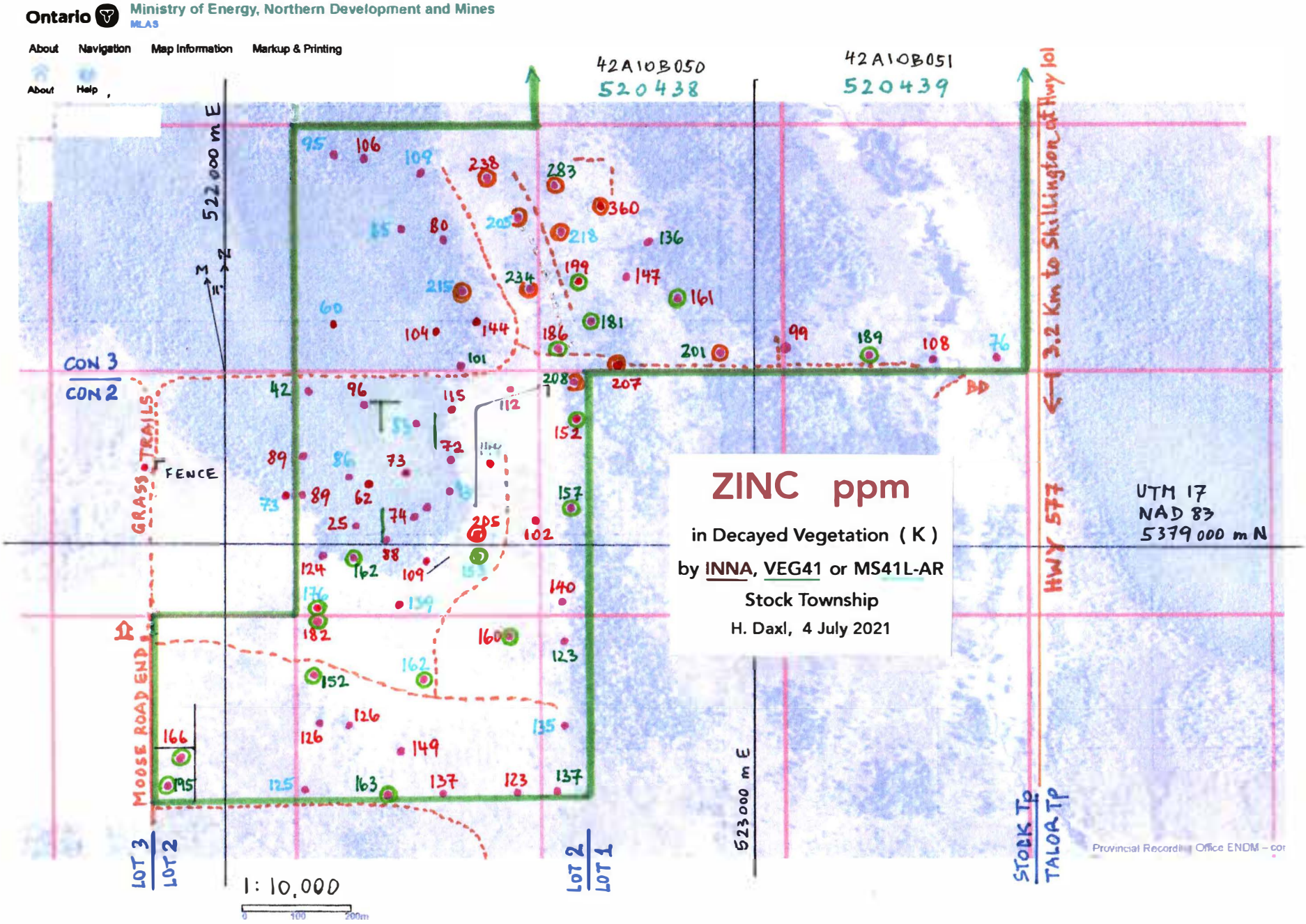
1 : 10,000

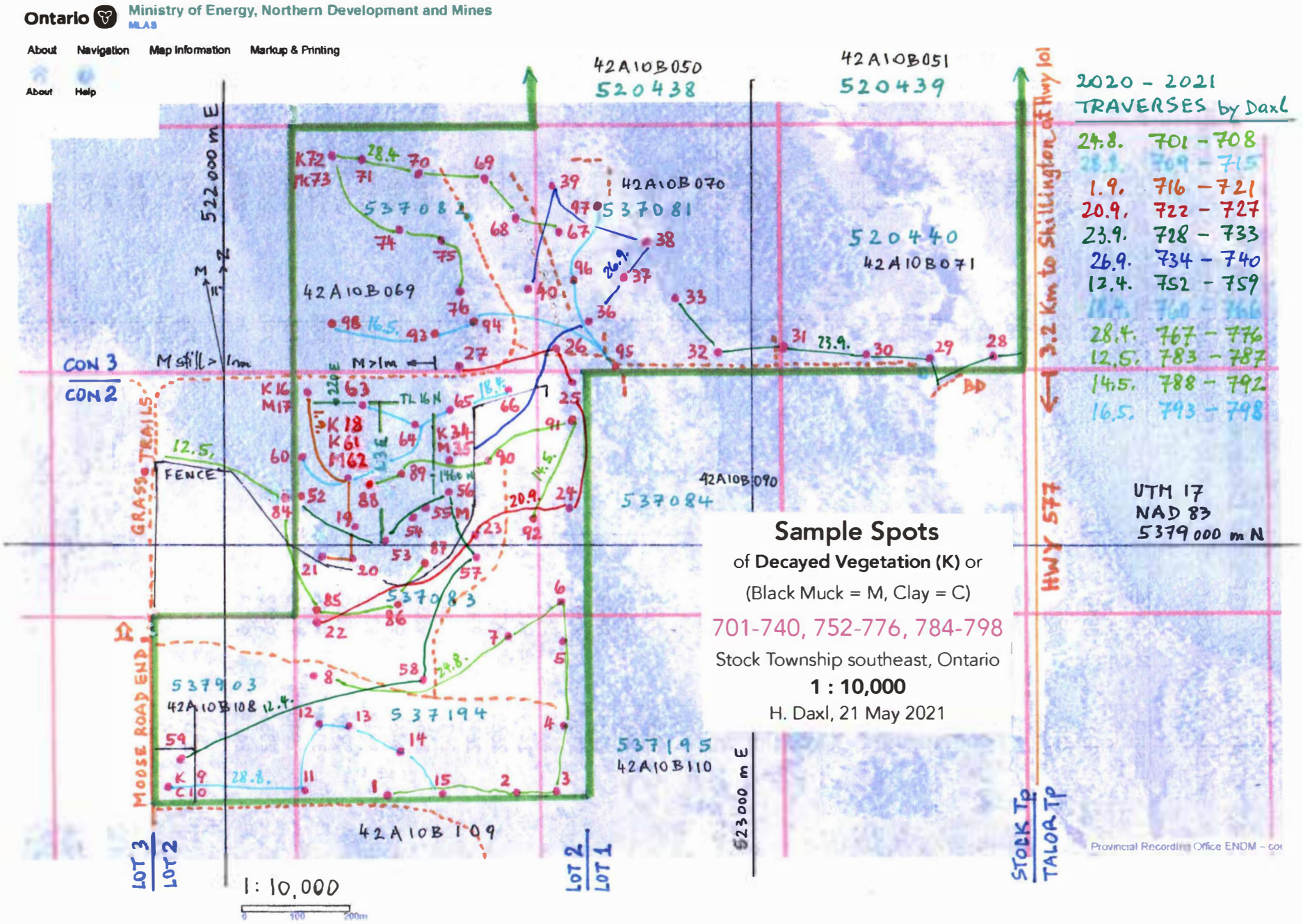
H. Daxl, 21 May 2021


Ontario
Ministry of Energy, Northern Development and Mines
MLAS
About
Navigation
Map Information
Markup & Printing
About
Help
42A10B050
520438
42A10B051
520439
522 000 m E
3.2 Km to Shillington at Hwy 101
CON 3
CON 2
GRASS TRAILS
FENCE
MOOSE ROAD END
HWY 577
UTM 17
NAD 83
5379 000 m N
GOLD ppb
in Decayed Vegetation (K)
by neutron activation analyses
Stock Township
H. Daxl, 4 July 2021
623 000 m E
LOT 3
LOT 2
LOT 2
LOT 1
STOCK Tp
TALOA TP
1 : 10,000
0
100
200m
Provincial Recording Office ENDM - cor


Ontario
Ministry of Energy, Northern Development and Mines
About
Navigation
Map Information
Markup & Printing
About
Help
42A10B050
520438
42A10B051
520439
522 000 m E
175
245
154
158
162
157
167
161
251
323
172
143
166
118
3.2 Km to Shillington
CON 3
CON 2
212
321
134
195
GRASS TRAILS
FENCE
242
173
190
205
166
MERCURY ppb
in Decayed Vegetation (K)
by ME-VEG41 or ME-MS41L
(not all analyzed)
Stock Township, Ontario
H. Daxl, 1 Feb 2022
UTM 17
NAD 83
5379 000 m N
HWY 537
251
121
188
146
150
187
117
158
MOOSE ROAD END
93
178
128
106
523 000 m E
LOT 3
LOT 2
LOT 2
LOT 1
STOCK TP
TALOA TP
1 : 10,000


Ontario
Ministry of Energy, Northern Development and Mines
MLAS
About
Navigation
Map Information
Markup & Printing
About
Help
42A10B050
520438
42A10B051
520439
522 000 m E
3.2 Km to Shillington
CON 3
CON 2
GRASS TRAILS
FENCE
BD
HWY 577
UTM 17
NAD 83
5379 000 m N
COPPER ppm
in Decayed Vegetation (K)
by ME-VEG41 or ME-MS41L
(not all analyzed)
Stock Township, Ontario
H. Daxl, 31 Jan 2022
MOOSE ROAD END
LOT 3
LOT 2
LOT 2
LOT 1
STOCK Tp
TALOA TP
623 000 m E
1:10,000
Provincial Recording Office ENDM – cor


Ontario
Ministry of Energy, Northern Development and Mines
MLAS
About
Navigation
Map Information
Markup & Printing
About
Help
42A10B050
520438
42A10B051
520439
522000 m E
3
2
CON 3
CON 2
TRAILS
GRASS
FENCE
MOOSE ROAD END
LOT 3
LOT 2
LOT 2
LOT 1
623000 m E
3.2 Km to Skillington at Hwy 101
HWY 577
STOCK Tp
TALOA TP
UTM 17
NAD 83
5379000 m N
ZINC ppm
in Decayed Vegetation (K)
by INNA, VEG41 or MS41L-AR
Stock Township
H. Daxl, 4 July 2021
1:10,000
0
100
200m
Provincial Record



Sample Spots

of **Decayed Vegetation (K)** or

(Black Muck = M, Clay = C)

701-740, 752-776, 784-798

Stock Township southeast, Ontario

1 : 10,000

H. Daxl, 21 May 2021

NAD 83 UTM Zone 17 GPS for Decayed Vegetation (K), some M, T, C.

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

Sample Number		Easting 52	Northing 537 . . . .
701		2311	8510
702		2557	8539
703		2638	8504
704		2646	8660
705		2642	8818
706		2646	8901
707		2545	8837
708		2163	8756
709		1890	8550
710	C	"	"
711		2154	8533
712		2181	8667
713		2230	8664
714		2332	8610
715		2416	8500
716		2158	9297
717	M	"	"
718		2234	9132
719		2248	9045
720		2234	8983
721		2190	8981
722		2176	8853
723		2479	9022
724		2662	9071
725		2672	9308
726		2633	9368
727		2450	9338
728		3468	9361
729		3349	9354
730		3229	9361
731		3054	9386
732		2940	9376
733		2859	9472
734		2428	9173
735	M	"	"
736		2700	9428
737		2769	9516
738		2811	9580
739		2629	9688
740		2581	9492
DST-N		1833	8190
DST-S		1820	8015

Sample Number		Easting 52	Northing 537 . . . .
752		2149	9100
753		2303	9004
754		2360	9055
755	M	2381	9077
756		2438	9100
757		2479	8979
758		2379	8754
759		1915	8597
760		2130	9179
761		2234	9132
762	M	"	"
763		2271	9269
764		2359	9233
765		2427	9265
766		2543	9290
767		2637	9593
768		2550	9620
769		2491	9700
770		2363	9711
771		2255	9734
772		2200	9747
773	MT	"	"
774		2333	9600
775		2408	9584
776		2450	9484
783		1864	9143
784		2086	9096
785		2180	8908
786		2335	8895
787		2372	8971
788		2275	9130
789		2340	9131
790		2498	9156
791		2658	9232
792		2585	9052
793		2402	9400
794		2472	9427
795		2746	9328
796		2664	9508
797		2704	9643
798		2202	9421

Introduction

More gold, up to 23 ppb Au in decayed vegetation, occurs adjacent southwest of my previous assessment work report 1775. With 20 to 30 m overburden of much clay the moderate gold values spread over two claims are significant. Moreover their location at intersecting magnetic dikes supports my previous hypothesis gleaned from the very detailed historic overburden drilling report by Durham, that gold spread from the DPFZ into subsidiary fault zones where then the dikes injected, and that the basal till with so much gold is actually weathered bedrock. Please read my detailed discussion in my report 1775. Also note that gold values here are higher than from samples taken where the DPFZ is plotted, which returned only 6 and 8 ppb Au at the two red dots on the attached excerpt of OGS Map 80582 and 83. Exact location of the magnetic dikes and drilling their wider wallrock and country rock is the next step.

Decayed vegetation 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 80 samples on my claims 520440, 537081, 537082, 537083, 537084, 537194, 537195, 537903, between 24 August 2020 and 16 May 2021, and did all specialized preparation for the lab myself.

These claims are quite flat except for a gentle slope toward the swampy creek in the east, with mature or young mixed forest, except as visible on the attached location map, with a coniferous swamp in the northwest, and cows in the fenced pasture with bushes, large stumps and sparse remaining trees in the south. The subsurface is mostly beige clay to silt under 15 - 25 cm of clayey humus. More details are annotated on the attached lab results.

There are no outcrops, but mostly shale and local diabase has been reached in the several overburden drill holes. Such geology favours the expected structural gold.

The several surface right owners are used to exploration. Southwest off my claims is grassland with a house at the north end of the gravel Moose Road where I parked my car. From there the several grass trails are on clay, but with >1m black muck across the

swamp on the cut W-E concession 2/3 line. In the east this cut line can be accessed from highway 577 across a treacherous beaver dam, at 3.2 km north of Shillington and highway 101, at about 55 km east of Timmins. Moose Road exits highway 101 northward at NAD83 - 521916 E - 5376115 N. Please refer to the sample location map, which also bears the Ontario grid cell numbers.

Present Work

My present new method of soil sampling 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 analyses with the necessary very low detection limits.

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 air, pounding and rolling to release the fines, sieving to <250 micron, any obvious sand and silt were removed by dry swirling in a plastic gold pan and skimming off the organics, or by bracket sieving to 125 - 250 micron. After cross-lapping with a sheet of paper to homogenize, and estimating the volume percent of any remaining sand, silt and clay (DTC), 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. Sand and silt hardly contaminate, but their comparatively high density can seriously dilute the results. Please search >youtube hermann daxl< to view videos.

Such INAA analyses 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 ME-MS41L - aqua regia, both done by ALS Canada Ltd. on the many samples selected for

base metals. These results were used for the attached mercury, copper, and zinc maps. Missing values for zinc were taken from INNA which are comparable at the levels of interest. All values are plotted per GPS and the list of coordinates is attached.

I did not plot values for chromium, because they are influenced by remaining DTC, as is evident from clay contaminated samples, especially 766 and its clay concentrate 778, which also show how clay dilutes gold values. Usually conspicuous elements of clay are Na, Sc, La, Ce, Nd, Sm, and here the few elevated Co, Cr, Cs, Fe, Hf, Th, are also due to clay. Sample 710 of clay sieved <125 micron lets compare local clay values, and rules out gold contamination by clay. Also note the double mass of clay for the same 7cm3. Arsenic is quite normal throughout, and it would show well by the three methods used.

Black muck (M) from depth usually does not scavenge any gold, so the 7 ppb Au of 762M under the 16 ppb Au of 761K, and 5.6 ppb Au in 755M may be a good sign. Also I have never had gold values in sand, silt, clay, nor the enriched brown B-horizon, on my many claims in the Timmins region, but these would dilute strongly and need to be removed. Please consider the relevant annotations on the lab results, however, I have never adjusted values.

Gold in bedrock usually causes stronger anomalies, but considering attenuation through 20 - 30 m of till and clay, yet consistently 10 - 23 ppb Au over the 1000m x 400m N-S area, these results are promising.

Conclusions and Recommendations

The consistent moderately anomalous gold values of 10 to 23 ppb Au through my claims 537082 and 537083 fall between intersecting magnetic diabase dikes. Over barren bedrock the sampled decayed vegetation should be barren. Under 20 - 30m overburden, gold in bedrock could be considerable here, as is also indicated by much gold in basal till which likely is preglacial overburden. The gold could have spread from the DPFZ at only 1 km south, through subsidiary fault zones whereafter these dikes injected.

The attached copper map, despite the hardly anomalous values, and the zinc map with weakly anomalous values, further show a zoned halo of copper, then distal zinc eastward, radiating from the large swamp, and overlapping the gold. This would fit typical zoning in large scale infiltration away from a shear zone. The somewhat elevated values on the mercury map fit the gold area and a hydrothermal system. The swamp is no reason for that.

The Stock mine and mill is only 8 km away via highway 101, or 5 km if the Caribou Road can be connected.

The plotted remnants of a grid suggest that a ground magnetic survey was archived. Otherwise a walking MAG on the few trails could probably locate the dikes. A drone could also be flown very low on several, except to the eastern swamp. No other survey could be useful. As per old notes, local NAD27 can be converted to NAD83 by adding 9m E and 222m N.

After exactly locating these magnetic dikes, their wallrock and country rock between the dikes should be drilled. Please refer to the attached map by Durham. Three long holes in different directions should establish attitudes of bedding and shearing, rock types, and the type of gold system.

More samples of decayed vegetation could be taken around trees in that swamp, however, ending in a creek northward, elements may have been flushed out, making this an unnecessary distraction.

Respectfully submitted,

Timmins, 2 February 2022 by Hermann Daxl, M.Sc.(Minex), Claim Holder

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

Report No.: A20-15394
Report Date: 17-Dec-20
Date Submitted: 30-Nov-20
Your Reference: SHI-TB2

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

ATTN: Hermann Daxl

CERTIFICATE OF ANALYSIS

All nonradioactive

50 Vial samples were submitted for analysis. Decayed vegetation sieved < 250 micron, medium vials.

The following analytical package(s) were requested:		Testing Date:
~~2B-MSg~~ see mass net	QOP INAAGEO (Vegetation INAA)	2020-12-09 11:06:03

Neutron activation, double irradiation time.

REPORT **A20-15394**

Notes:

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

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control
Coordinator

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

Decayed vegetation (K) sieved < 250 micron, by neutron activation - 2B vegetation, double irradiation time, medium vials.

Results **Activation Laboratories Ltd.** **Report: A20-15394**

Still	Analyte Symbol		Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hg	Hf	Ir	K	Mo	Na	~~W~~	Rb	Sb	Sc
Vol.%	Unit Symbol		ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	%	ppm	ppm	ppm	ppm	ppm	ppm
sand D	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
silt T	Analysis Method		INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
1 D	701	Kc	9.4	< 0.3	0.61	256	12.10	2.21	7.8	32.9	1.91	1.580	< 0.05	1.20	< 0.1	0.68	< 0.05	2440	< 2	50	0.260	0.19
0	702	Kc	6.1	< 0.3	3.40	278	0.26	1.33	9.3	43.5	2.71	2.010	< 0.05	1.55	< 0.1	0.46	< 0.05	3010	< 2	63	1.760	5.54
2T	703	Kc	3.9	< 0.3	1.69	261	11.30	0.45	5.4	4.9	3.06	1.140	0.09	1.75	< 0.1	0.52	0.20	4100	< 2	41	8.940	8.82
0	704	Kc	4.1	< 0.3	1.30	159	15.20	2.54	4.1	20.3	< 0.05	0.780	< 0.05	0.79	< 0.1	0.67	< 0.05	1520	< 2	16	0.050	0.23
0	705	K	7.4	< 0.3	2.38	126	13.70	0.24	2.2	12.1	< 0.05	0.440	0.13	0.54	< 0.1	0.67	0.26	913	< 2	4	0.080	1.31
0	706	K	8.4	< 0.3	1.52	136	12.00	0.25	< 0.1	10.4	< 0.05	0.250	0.88	0.37	< 0.1	0.69	0.38	457	< 2	< 1	1.130	0.80
3 D	707	K	4.2	< 0.3	0.89	79	13.10	1.52	2.0	9.0	< 0.05	0.240	< 0.05	0.38	< 0.1	0.59	0.23	730	< 2	< 1	0.720	1.02
0	708	K	10.9	< 0.3	1.48	104	12.20	1.45	2.6	0.4	0.32	0.420	0.17	0.64	< 0.1	0.59	0.52	746	< 2	< 1	0.450	1.19
0	709	Kc	4.3	< 0.3	1.69	194	11.50	1.66	9.6	46.0	3.28	1.840	< 0.05	1.38	< 0.1	0.53	< 0.05	2200	< 2	78	2.240	0.67
	710	Clay < 125 µm	< 0.1	< 0.3	3.46	578	3.50	< 0.01	22.6	112.0	7.17	5.120	0.14	4.34	< 0.1	0.21	< 0.05	8880	< 2	150	8.470	35.30
0	711	K	8.2	< 0.3	1.31	222	12.00	2.04	6.8	33.9	2.76	1.470	< 0.05	1.43	< 0.1	0.56	0.17	2040	< 2	49	14.200	4.28
0	712	Kc	6.1	< 0.3	1.68	130	12.00	0.41	4.2	23.9	2.10	0.960	< 0.05	0.80	< 0.1	0.60	0.77	1140	< 2	30	7.590	4.76
0	713	K	9.9	< 0.3	2.34	165	11.80	1.43	3.5	1.1	2.85	0.910	0.41	0.82	< 0.1	0.64	0.12	1280	< 2	10	2.060	1.47
0	714	K	< 0.1 12	< 0.3	< 0.01	168	12.10	1.84	6.4	21.9	1.53	1.030	< 0.05	0.92	< 0.1	0.63	< 0.05	1180	< 2	27	3.060	2.96
0	715	K	7.4	< 0.3	1.52	203	8.63	1.47	5.2	1.3	1.37	1.090	< 0.05	1.09	< 0.1	0.68	< 0.05	2090	< 2	58	3.060	2.92
0	716	K	14.8	< 0.3	0.55	96	13.60	0.53	2.9	0.6	< 0.05	0.260	0.38	0.28	< 0.1	0.68	< 0.05	678	< 2	6	0.650	0.90
0	717	M 100	< 0.1	< 0.3	0.63	< 5	21.50	0.73	1.1	6.2	< 0.05	0.180	< 0.05	0.40	< 0.1	0.73	< 0.05	185	< 2	< 1	0.630	0.89
0	718	K	32.3	< 0.3	0.59	< 5	10.90	0.94	1.6	9.1	0.62	0.220	0.15	0.20	< 0.1	0.67	< 0.05	496	< 2	< 1	0.670	0.70
0	719	K	10.2	< 0.3	1.35	< 5	10.50	0.91	2.0	6.7	< 0.05	0.190	0.79	0.25	< 0.1	0.60	< 0.05	428	< 2	< 1	4.580	0.66
0	720	K	23.4	< 0.3	1.21	136	11.00	0.31	< 0.1	8.9	< 0.05	0.220	1.36	0.32	< 0.1	0.67	< 0.05	448	< 2	< 1	0.240	0.69
1 T	721	K	< 0.1 11	< 0.3	2.58	104	10.60	0.82	1.6	1.4	< 0.05	0.310	0.33	0.24	< 0.1	0.65	< 0.05	712	< 2	< 1	0.430	0.64
0	722	K	7.2	< 0.3	2.39	211	9.91	1.50	7.5	24.9	2.90	1.620	0.24	1.36	< 0.1	0.59	0.70	2550	< 2	56	2.710	3.92
0	723	K	11.4	< 0.3	1.18	131	13.30	2.31	4.9	0.3	0.89	0.690	0.54	0.58	< 0.1	0.51	0.34	802	< 2	32	0.190	1.92
0	724	K	10.9	< 0.3	1.03	89	10.10	1.83	3.4	5.6	< 0.05	0.320	0.41	0.31	< 0.1	0.52	< 0.05	507	< 2	< 1	1.470	0.96
0	725	K	20.3	< 0.3	1.62	165	0.24	1.82	4.6	17.5	1.21	0.690	< 0.05	0.57	< 0.1	0.63	< 0.05	1160	< 2	35	1.140	1.85
0	726	K	10.6	< 0.3	1.19	224	8.77	2.86	3.1	3.0	< 0.05	0.540	0.38	0.49	< 0.1	0.54	< 0.05	1060	< 2	24	3.140	1.45
0	727	K	14.2	< 0.3	1.48	109	5.21	1.07	2.1	2.9	< 0.05	0.300	< 0.05	< 0.05	< 0.1	0.55	< 0.05	427	< 2	16	0.250	0.86
0	728	KH clayey	1.9	< 0.3	7.60	484	22.30	22.60	11.4	56.1	2.67	2.710	< 0.05	4.58	< 0.1	0.45	< 0.05	8190	< 2	66	4.140	7.34
0	729	K	14.7	< 0.3	1.34	120	14.30	1.10	3.0	13.6	< 0.05	0.470	< 0.05	0.79	< 0.1	0.60	2.70	1620	< 2	< 1	0.230	1.47
0	730	K	3.7	< 0.3	1.45	< 5	16.10	2.50	2.9	9.0	< 0.05	0.290	~~96.40~~	0.45	< 0.1	0.62	< 0.05	870	< 2	18	0.290	0.91
0	731	K	4.5	< 0.3	1.74	127	11.60	2.68	2.2	8.9	0.34	0.300	< 0.05	0.21	< 0.1	0.90	0.43	704	< 2	11	0.220	1.04

Results **Activation Laboratories Ltd.** **Report: A20-15394**

	Analyte Symbol		Se	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Lu	Yb	Mass	INORGANIC TOP
	Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	at cm depth
	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	
1D	701	Kc	< 0.1	< 100	< 0.05	5.0	0.90	< 0.05	132	15.80	24.1	12.2	1.930	0.70	< 0.1	0.050	0.700	3.28	10 clay
0	702	Kc	< 0.1	< 100	< 0.05	6.7	0.93	< 0.05	123	27.40	33.1	21.1	3.190	1.07	< 0.1	0.100	1.130	3.86	25 beige silt under H
2T	703	Kc	< 0.1	< 100	< 0.05	4.0	1.14	< 0.05	130	17.10	23.4	19.9	2.240	0.80	0.8	0.090	0.880	3.76	20 " " " HT
0	704	Kc	< 0.1	< 100	< 0.05	3.1	0.86	< 0.05	123	10.30	14.4	14.4	1.290	0.44	< 0.1	0.030	0.490	3.12	25 " clay " HT
0	705	K	< 0.1	< 100	< 0.05	1.6	0.51	< 0.05	149	6.36	0.2	7.6	0.710	0.31	< 0.1	0.010	0.250	2.98	20 " " " HC
0	706	K	< 0.1	< 100	< 0.05	0.9	< 0.01	< 0.05	140	3.30	6.5	4.8	0.420	< 0.05	< 0.1	< 0.001	< 0.005	2.80	20 " " "
3D	707	K	< 0.1	< 100	< 0.05	1.3	0.99	< 0.05	160	1.76	0.1	4.8	0.670	0.11	< 0.1	0.050	0.270	2.95	20 " silt " HC
0	708	K	< 0.1	< 100	< 0.05	1.5	< 0.01	< 0.05	111	4.96	7.5	< 0.3	0.600	0.18	< 0.1	< 0.001	0.180	2.89	20 " clay "
0	709	Kc	< 0.1	< 100	< 0.05	4.8	0.97	< 0.05	166	0.44	0.7	12.2	1.660	0.49	< 0.1	0.030	0.560	3.52	15 " clay " HC
	710	Clay <125 µm	< 0.1	< 100	< 0.05	15.5	1.49	< 0.05	74	43.30	5.7	32.7	5.310	1.60	0.3	0.230	2.060	8.33	dark beige clay from 20-40 cm
0	711	K	< 0.1	< 100	< 0.05	6.1	1.08	< 0.05	123	18.30	15.9	13.1	2.320	0.61	< 0.1	0.080	0.780	3.29	35 beige clay under HC
0	712	Kc	< 0.1	< 100	< 0.05	3.1	0.66	< 0.05	126	10.40	15.3	8.3	1.250	0.45	0.2	0.030	0.350	3.12	20 " " " HC
0	713	K	< 0.1	< 100	< 0.05	3.2	0.47	< 0.05	126	9.47	14.0	8.1	1.210	0.37	< 0.1	0.030	0.390	3.10	10 " " " H
0	714	K	< 0.1	< 100	< 0.05	3.7	0.41	< 0.05	149	3.65	19.7	15.9	1.740	0.45	< 0.1	0.060	0.600	3.09	20 " " " H
0	715	K	< 0.1	< 100	< 0.05	3.1	< 0.01	< 0.05	137	8.70	15.7	14.2	1.190	0.30	< 0.1	0.010	0.420	3.26	15 " " " H
0	716	K	0.8	< 100	< 0.05	0.7	< 0.01	< 0.05	46	2.41	3.7	3.9	0.360	< 0.05	< 0.1	0.010	< 0.005	2.52	
0	717	M100	< 0.1	< 100	< 0.05	1.5	0.27	< 0.05	< 2	3.75	6.3	< 0.3	0.540	0.18	< 0.1	< 0.001	0.200	2.79	> 100 M
0	718	K	1.3	< 100	< 0.05	0.6	< 0.01	< 0.05	58	1.98	1.8	3.8	0.290	< 0.05	< 0.1	< 0.001	0.080	2.78	> 100 M
0	719	K	< 0.1	< 100	< 0.05	0.6	< 0.01	< 0.05	25	0.49	3.8	< 0.3	0.260	< 0.05	< 0.1	< 0.001	< 0.005	2.52	> 100 M
0	720	K	< 0.1	< 100	< 0.05	0.9	< 0.01	< 0.05	134	2.62	0.3	4.9	0.360	< 0.05	< 0.1	< 0.001	< 0.005	2.83	20 gray-beige clay " H
1T	721	K	< 0.1	< 100	< 0.05	1.2	< 0.01	< 0.05	124	0.38	7.5	4.2	0.550	0.21	< 0.1	0.020	0.150	2.91	20 " " " " H
0	722	K	< 0.1	< 100	< 0.05	4.1	0.39	< 0.05	182	13.40	21.2	12.3	1.760	0.50	< 0.1	0.040	0.730	3.55	20 beige clay " H
0	723	K	< 0.1	< 100	< 0.05	2.1	0.34	< 0.05	205	8.51	13.6	10.2	1.160	0.33	< 0.1	0.030	0.480	3.23	25 " dark " " HC
0	724	K	< 0.1	< 100	< 0.05	1.1	< 0.01	< 0.05	127	3.48	5.9	2.5	0.470	0.14	< 0.1	0.010	0.180	3.05	25 " " " HC
0	725	K	< 0.1	< 100	< 0.05	2.1	0.36	< 0.05	186	6.05	12.1	12.0	0.800	0.30	< 0.1	0.010	0.330	3.09	20 " " " HC
0	726	K	< 0.1	< 100	< 0.05	1.5	< 0.01	< 0.05	186	6.02	9.3	8.5	0.720	0.20	< 0.1	< 0.001	0.350	2.98	20 " " " HC
0	727	K	< 0.1	< 100	< 0.05	1.0	< 0.01	< 0.05	200	6.43	7.8	5.7	0.570	< 0.05	< 0.1	< 0.001	0.210	2.95	25 " " " H
0	728	KH clayey	< 0.1	< 100	< 0.05	10.0	3.62	< 0.05	103	? ~~21~~ 27.5	56.9	35.3	5.260	1.84	< 0.1	0.240	1.710	5.45	20 pale gray silt, C at 50
0	729	K	< 0.1	< 100	< 0.05	1.9	0.90	< 0.05	108	5.54	10.0	7.0	0.850	0.33	0.2	0.030	0.240	2.95	20 beige silt under H
0	730	K	< 0.1	< 100	< 0.05	1.1	0.52	< 0.05	67	3.91	6.6	< 0.3	0.580	0.19	< 0.1	< 0.001	0.240	3.02	20 gray beige silt
0	731	K	< 0.1	< 100	< 0.05	1.0	1.09	< 0.05	99	4.80	8.3	22.7	0.610	< 0.05	< 0.1	< 0.001	0.090	3.19	20 " " clay under H

Decayed vegetation (K) sieved < 250 micron, by neutron activation – 2B vegetation, double irradiation time, medium vials.

Results **Activation Laboratories Ltd.** **Report: A20-15394**

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	~~Nk~~ ppm 2 INAA	Rb ppm 1 INAA	Sb ppm 0.005 INAA	Sc ppm 0.01 INAA
0	732 K	12.7	< 0.3	1.31	82	7.96	2.52	0.6	3.5	< 0.05	0.140	0.14	< 0.05	< 0.1	0.83	< 0.05	233	< 2	< 1	0.040	0.40
0	733 K	8.9	< 0.3	1.52	< 5	10.40	2.38	0.8	2.9	< 0.05	0.160	0.32	< 0.05	< 0.1	0.94	< 0.05	308	< 2	6	0.210	0.48
0	734 K	8.8	< 0.3	1.19	< 5	10.40	1.69	1.6	7.9	< 0.05	0.190	0.42	0.12	< 0.1	1.06	0.78	372	< 2	< 1	0.160	0.64
0	735 M 90	< 0.1	< 0.3	0.91	< 5	10.30	2.27	1.8	6.3	< 0.05	0.440	< 0.05	< 0.05	< 0.1	1.28	< 0.05	271	< 2	< 1	0.150	1.14
0	736 K	13.3	< 0.3	1.41	154	6.74	2.44	3.7	14.1	0.39	0.610	< 0.05	0.26	< 0.1	1.02	< 0.05	991	< 2	< 1	0.070	1.87
0	737 K	< 0.1 8 5	< 0.3	1.22	166	11.20	2.31	1.5	15.5	< 0.05	0.830	< 0.05	< 0.05	< 0.1	0.87	< 0.05	780	< 2	11	0.150	2.19
0	738 K	< 0.1	< 0.3	1.24	66	11.10	2.03	0.7	10.0	< 0.05	0.230	< 0.05	< 0.05	< 0.1	0.99	< 0.05	335	< 2	< 1	0.250	0.80
0	739 K	7.1	< 0.3	1.75	95	10.70	2.94	1.9	11.4	< 0.05	0.340	< 0.05	< 0.05	< 0.1	0.79	< 0.05	423	< 2	8	0.230	1.00
0	740 K	10.4	< 0.3	1.27	114	8.89	1.77	4.9	18.5	0.40	0.490	< 0.05	0.19	< 0.1	0.92	< 0.05	768	< 2	< 1	0.180	1.54
0	741 blank (M)	< 0.1 ✓	< 0.3	0.63	98	14.70	1.54	0.7	9.2	< 0.05	0.260	< 0.05	0.21	< 0.1	0.88	< 0.05	261	< 2	< 1	0.100	1.10
	742 TEST (621)	16.0 19-21	< 0.3	2.75	~~> 5~~	10.90	0.97	2.0	15.9	< 0.05	0.310	0.24	0.22	< 0.1	1.12	< 0.05	844	~~48~~	< 1	0.320	1.04
	743 OREAS 45e	45.4 53	< 0.3 ✓	11.40 16	~~> 5~~	1.48	< 0.01	57.7 ✓	1050.0 ✓	~~< 0.05~~	22.900 ✓	< 0.05	5.77	< 0.1	0.47	0.89 2.4	439 590	411 ✓	< 1	0.620	88.00 ✓

C = some clay balls K = decayed vegetation 0-6 cm M 100 = black swamp muck at 100 cm. H = humus C = clay T = silt D = sand

Results **Activation Laboratories Ltd.** **Report: A20-15394**

	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	INORGANIC TOP at cm depth
0	732 K	< 0.1	< 100	< 0.05	0.2	< 0.01	< 0.05	155	1.14	2.8	< 0.3	0.140	< 0.05	< 0.1	< 0.001	< 0.005	3.04	20 beige silt under H
0	733 K	< 0.1	200	< 0.05	0.8	< 0.01	< 0.05	161	1.61	1.7	< 0.3	0.210	< 0.05	< 0.1	< 0.001	0.040	2.99	20 varicolor silt " H
0	734 K	< 0.1	< 100	< 0.05	0.7	< 0.01	< 0.05	72	1.96	2.1	< 0.3	0.260	< 0.05	< 0.1	< 0.001	0.040	2.68	
0	735 M 90	< 0.1	< 100	< 0.05	1.7	0.54	< 0.05	< 2	8.35	12.1	11.5	0.960	0.16	< 0.1	0.010	0.320	2.56	> 100 M
0	736 K	< 0.1	< 100	< 0.05	1.7	< 0.01	< 0.05	135	8.51	13.2	14.5	0.920	0.07	< 0.1	0.010	0.290	2.88	20 beige gray silt under HT
0	737 K	< 0.1	< 100	< 0.05	2.6	0.44	< 0.05	147	17.00	21.9	24.3	1.870	0.21	< 0.1	0.040	0.430	3.18	20 " " clay
0	738 K	< 0.1	< 100	< 0.05	1.1	0.20	< 0.05	117	4.25	5.5	5.3	0.510	< 0.05	< 0.1	< 0.001	< 0.005	2.95	30 varicolor clay, nice H
0	739 K	< 0.1	< 100	< 0.05	0.7	< 0.01	< 0.05	215	4.79	6.1	10.8	0.530	< 0.05	< 0.1	< 0.001	< 0.005	3.24	15 gray silt
0	740 K	< 0.1	< 100	< 0.05	1.5	< 0.01	< 0.05	180	7.19	12.2	9.0	0.900	0.10	< 0.1	0.030	0.220	3.09	15 " beige clay
0	741 blank (M)	< 0.1	< 100	< 0.05	1.5	0.71	< 0.05	< 2	5.78	9.7	9.5	0.790	0.05	< 0.1	0.010	0.180	2.85	
	742 TEST (621)	< 0.1	< 100	< 0.05	0.9	< 0.01	< 0.05	76	2.31	5.1	< 0.3	0.380	< 0.05	< 0.1	0.010	0.120	2.77	
	743 OREAS 45e	~~< 0.1~~	< 100	< 0.05	12.6 ✓	2.78 ✓	~~< 0.05~~	< 2 47	10.40 ✓	21.4 ✓	21.8 9	1.980 ✓	0.43	< 0.1	0.160 ✓	1.270 ✓	6.18	

Quality Control **Activation Laboratories Ltd.** **Report: A20-15394**

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	53.9			251		< 0.01	61.1	1010.0	< 0.05	24.900		6.65		0.33	< 0.05	481 ~	375 ~	< 1		88.30
OREAS 45e (INAA) Cert	53.0			246		0.06	59.0	1070.0	1.20	24.200		6.31		0.34	2.95	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	0.25	< 0.05	< 1	< 2	< 1	< 0.005	< 0.01

Quality Control **Activation Laboratories Ltd.** **Report: A20-15394**

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	13.2	2.49	< 0.05		11.00	21.0	9.6	2.210	0.56	< 0.1	0.240	1.450	
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

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

Report No.: A21-09900
Report Date: 23-Jun-21
Date Submitted: 02-Jun-21
Your Reference: SHIL 5- VAR

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

ATTN: Hermann Daxl

CERTIFICATE OF ANALYSIS

Decayed vegetation sieved < 250 micron pressed into medium vials (~7 cm³)

45 Vial samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
~~2B-15g~~ See mass net not briquettes	QOP INAAGEO (Vegetation INAA) by neutron activation - double irradiation time	2021-06-15 12:14:45

REPORT **A21-09900**

Notes:

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

SCC Accredited LAB
LAB Accredité CCN
LabID: 266

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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Decayed Vegetation (K) sieved < 250 µm (except DST-S), by neutron activation-2B vegetation-double irrad. time-med. vials, no inorg. content except 791, 795

Results **Activation Laboratories Ltd.** **Report: A21-09900**

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
782	blank MIS6	< 0.1 ✓	< 0.3	1.11	< 5	17.80	1.93	< 0.1	4.5	< 0.05	0.270	< 0.05	0.20	< 0.1	0.60	< 0.05	293	< 2	< 1	< 0.005	0.71
783	KΘ Terrain TEST	8.9	< 0.3	1.94	157	11.20	2.45	5.0	17.1	0.88	0.830	< 0.05	0.68	< 0.1	0.63	< 0.05	2400	< 2	21	0.160	2.27
784		9.3	< 0.3	2.19	56	10.90	1.73	1.8	10.9	0.38	0.420	0.42	0.54	< 0.1	0.60	< 0.05	969	< 2	4	0.290	1.25
785		7.5	< 0.3	2.19	83	11.30	< 0.01	1.9	10.6	0.40	0.420	< 0.05	0.27	< 0.1	0.64	0.65	931	< 2	4	0.340	1.22
786		4.8	< 0.3	1.72	83	11.80	1.87	3.1	14.5	0.40	0.640	< 0.05	0.35	< 0.1	0.54	< 0.05	1010	< 2	11	0.130	1.82
787		7.7	< 0.3	1.70	< 5	12.40	1.89	2.4	6.3	< 0.05	0.170	0.41	< 0.05	< 0.1	0.64	< 0.05	422	< 2	< 1	0.290	0.55
788		13.5	< 0.3	1.54	< 5	10.10	0.24	0.4	6.3	< 0.05	0.160	0.28	< 0.05	< 0.1	0.65	< 0.05	624	< 2	< 1	0.300	0.62
789	mossy	10.8	< 0.3	2.31	< 5	11.40	1.10	0.4	5.1	< 0.05	0.180	0.30	0.22	< 0.1	0.71	1.13	582	31	< 1	0.340	0.67
790		6.4	< 0.3	2.34	87	13.20	2.20	3.4	12.9	0.26	0.560	0.16	0.43	< 0.1	0.62	0.84	1090	< 2	< 1	0.430	1.64
791	clayey - 10% C	8.2	< 0.3	2.65	201	8.41	< 0.01	4.4	22.5	< 0.05	0.890	0.15	0.95	< 0.1	0.64	< 0.05	3110	< 2	18	0.280	2.48
792		1.0	< 0.3	2.40	106	11.20	1.19	3.6	17.9	0.82	0.710	< 0.05	0.37	< 0.1	0.64	0.77	1400	< 2	20	0.410	2.05
793		10.8	< 0.3	1.65	59	12.20	2.37	0.3	8.6	< 0.05	0.180	0.22	0.18	< 0.1	0.62	< 0.05	544	< 2	< 1	0.270	0.56
794		7.6	< 0.3	1.20	< 5	9.86	2.02	< 0.1	6.8	0.16	0.210	0.33	< 0.05	< 0.1	0.62	< 0.05	400	36	< 1	0.150	0.70
795	1% sand	1.3	< 0.3	1.39	122	10.90	2.50	4.6	12.9	< 0.05	0.640	< 0.05	0.58	< 0.1	0.68	< 0.05	1030	< 2	13	0.160	1.75
796		10.8	< 0.3	1.76	198	9.15	2.55	3.2	9.9	< 0.05	0.440	0.17	0.31	< 0.1	0.58	< 0.05	1260	< 2	< 1	0.260	1.33
797		9.4	< 0.3	1.79	236	13.50	3.08	3.8	10.9	< 0.05	0.340	0.10	0.57	< 0.1	0.60	< 0.05	1340	< 2	< 1	0.250	1.15
798	mDssy	13.9	< 0.3	1.56	< 5	8.54	0.22	1.5	8.2	< 0.05	0.180	0.43	< 0.05	< 0.1	0.73	< 0.05	667	< 2	< 1	0.380	0.74
799	= 714 KΘ	3.4 12.0	< 0.3	1.28	114 168	10.30 12.1	2.12 1.8	4.3 6.4	20.9 ✓	0.92 1.5	0.720 1.03	0.27	0.78	< 0.1	0.62 ✓	< 0.05	1140 ✓	< 2	36	0.130 3.06	2.43 ✓
800	= 752 KΘ	12.1 6.8	< 0.3	1.41 2.4	< 5	9.30 12	1.33 ✓	< 0.1	6.0 ✓	< 0.05	0.200 ✓	0.22 ✓	< 0.05	< 0.1	0.79 1.8	< 0.05 0.6	409 630	~~< 2~~ 19	< 1	0.230 0.37	0.70 0.9
DST-N	KΘ	~~< 0.1~~ 6.2	< 0.3	2.43 ✓	63 ✓	14.40 ✓	2.17 ✓	2.3 ✓	7.1 ✓	< 0.05	0.250 0.33	< 0.05	0.22	< 0.1	0.67	0.84 ✓	747 1000	< 2	3	0.350 ✓	0.96
DST-S	KΘ 125-250	7.9 8.0	< 0.3	1.82 2.19	171 ✓	9.47	2.68 ✓	3.7 ✓	18.3 ✓	0.55	0.620	0.12	1.19	< 0.1	0.73	0.69 1.72	2800 3220	< 2	5	0.290	2.15
ST1	OREAS 45e	43.2 53	< 0.3	13.90 ✓	259 ✓	~~3.55~~	< 0.01	56.9 ✓	915.0 ✓	~~< 0.05~~	21.400 24	< 0.05	5.88	< 0.1	~~0.05~~	< 0.05 2.4	574 ✓	337 454	< 1	0.920 ✓	85.70 ✓

Quality Control **Activation Laboratories Ltd.** **Report: A21-09900**

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	52.1			252		< 0.01	57.6	1080.0	< 0.05	25.100		6.46		0.34	< 0.05	602	551	< 1		98.90
OREAS 45e (INAA) Cert	53.0			246		0.06	59.0	1070.0	1.20	24.200		6.31		0.34	2.95	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	< 0.01	< 0.05	< 1	< 2	< 1	< 0.005	< 0.01

Results **Activation Laboratories Ltd.** **Report: A21-09900**

Analyte Symbol	Se	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Lu	Yb	Mass	INORGANIC TOP
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	at cm depth
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	
782 blank M 156	< 0.1	< 100	< 0.05	0.9	< 0.01	< 0.05	< 2	2.32	4.3	< 0.3	0.370	< 0.05	< 0.1	< 0.001	0.160	3.00	– blank
783 KΘ Terrain test	< 0.1	< 100	< 0.05	2.8	0.35	< 0.05	214	8.18	14.4	7.7	1.050	0.34	< 0.1	0.010	0.440	3.67	– 10 beige clay
784	< 0.1	< 100	< 0.05	1.3	0.20	< 0.05	13	5.91	10.1	5.5	0.730	0.11	< 0.1	0.020	0.260	3.34	– 40 " "
785	< 0.1	< 100	< 0.05	1.6	< 0.01	< 0.05	164	3.84	6.6	4.1	0.520	0.11	< 0.1	< 0.001	0.220	3.35	– 10 black, 30 beige clay
786	< 0.1	< 100	< 0.05	2.2	0.50	< 0.05	157	11.50	15.5	18.7	1.210	0.33	< 0.1	0.060	0.390	3.61	– 30 beige clay
787	< 0.1	< 100	< 0.05	0.8	< 0.01	< 0.05	109	2.46	4.0	< 0.3	0.320	< 0.05	< 0.1	< 0.001	< 0.005	3.21	– 40 " " under M
788	< 0.1	< 100	< 0.05	0.5	< 0.01	< 0.05	62	1.53	2.8	< 0.3	0.240	< 0.05	< 0.1	< 0.001	0.070	3.08	
789 mossy	< 0.1	< 100	< 0.05	0.6	< 0.01	< 0.05	73	1.73	3.3	3.4	0.270	0.10	0.2	0.010	0.050	3.03	
790	< 0.1	< 100	< 0.05	1.9	0.37	< 0.05	116	5.90	10.4	5.9	0.770	0.13	< 0.1	< 0.001	0.390	3.61	– 15 beige clay
791 clayey - 10% C	< 0.1	< 100	< 0.05	2.2	0.17	< 0.05	152	6.10	13.9	6.4	0.870	0.32	< 0.1	0.040	0.420	3.41	– 15 " "
792	< 0.1	< 100	< 0.05	2.1	0.25	< 0.05	102	7.98	14.1	4.7	1.020	0.27	< 0.1	0.060	0.400	3.61	– 10 " "
793	< 0.1	< 100	< 0.05	0.6	< 0.01	< 0.05	104	1.71	3.2	< 0.3	0.260	< 0.05	< 0.1	< 0.001	0.070	3.29	– >100 black muck(M)
794	< 0.1	< 100	< 0.05	1.1	< 0.01	< 0.05	144	3.37	4.8	2.2	0.410	0.07	< 0.1	< 0.001	0.130	3.32	
795 1% sand	< 0.1	< 100	< 0.05	2.1	< 0.01	< 0.05	207	14.30	21.6	13.1	1.530	0.33	< 0.1	0.050	0.450	3.45	– 10 beige clay
796	< 0.1	< 100	< 0.05	1.1	< 0.01	< 0.05	199	6.30	10.0	6.6	0.770	0.16	< 0.1	< 0.001	0.280	3.44	– 10 " "
797	< 0.1	< 100	< 0.05	1.0	< 0.01	< 0.05	360	4.45	9.0	5.7	0.540	< 0.05	< 0.1	0.020	0.240	3.61	– 10 beige silt
798 mossy	0.6	< 100	< 0.05	0.6	< 0.01	< 0.05	56	1.79	3.3	< 0.3	0.260	< 0.05	< 0.1	0.010	0.090	3.06	– >100 M
799 = 714 KΘ	< 0.1	< 100	< 0.05	2.8 3.7	0.34 ✓	< 0.05	115 149	11.50 3.6	17.4 ✓	7.0 16	1.360 1.7	0.30	< 0.1	0.070	0.520 ✓	3.51	
800 = 752 KΘ	< 0.1	100	< 0.05	0.6 1	< 0.01	< 0.05	63 89	2.87 3.7	4.7 5.9	1.8 ✓	0.370 ✓	< 0.05	< 0.1	0.030 ✓	< 0.005 0.18	3.28	
DST-N KΘ	< 0.1	< 100	< 0.05	1.1	0.83	< 0.05	59 102	4.46	6.9	7.7	0.610	0.07	< 0.1	0.060	0.190	3.44	– DESTOR – 15 beige clay
DST-S KΘ 125-250	< 0.1	< 100	< 0.05	2.4	0.70	< 0.05	84 105	9.18	15.3	10.1 ✓	1.240 ✓	0.22	< 0.1	0.110	0.430 ✓	3.75	– DESTOR
ST1 OREAS 45e	~~< 0.1~~ 3	< 100	~~< 0.05~~	11.7 ✓	1.60 2.4	~~< 0.05~~	~~< 2~~ 47	10.60 ✓	20.7 ✓	8.4 ✓	1.970 ✓	0.34	< 0.1	0.270	1.380 ✓	7.55	– Standard

Quality Control **Activation Laboratories Ltd.** **Report: A21-09900**

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	12.7	2.01	< 0.05		11.40	28.4	3.2	2.090	0.58	< 0.1	0.270	1.430	
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

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

Report No.: A21-08073
Report Date: 25-May-21
Date Submitted: 06-May-21
Your Reference: SHIL-NA 4

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

ATTN: Hermann Daxl

CERTIFICATE OF ANALYSIS

31 Vial samples were submitted for analysis. All nonradioactive Decayed vegetation sieved < 250 micron, medium vials.

The following analytical package(s) were requested:		Testing Date:
2B-~~1SG~~ see mass (net)	QOP INAAGEO (Vegetation INAA)	2021-05-18 11:18:21

Neutron activation, double irradiation time.

REPORT **A21-08073**

Notes:

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

SCC Accredited LAB
LAB Accredité CCN
LabID: 266

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

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Decayed vegetation (K, no DT, not swirled) sieved < 250 µm, by neutron activation – 2 B vegetation, double irradiation time, medium vials.

Results **Activation Laboratories Ltd.** **Report: A21-08073**

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
751	= 157 M blank	1.1 ✓	< 0.3	1.52	< 5	21.80	2.26	< 0.1	7.2	< 0.05	0.180	< 0.05	0.21	< 0.1	1.99	0.68	341	< 2	< 1	0.090	0.69
752	K	6.8	< 0.3	2.39	< 5	12.30	1.51	1.3	8.5	< 0.05	0.290	0.19	< 0.05	< 0.1	1.81	0.60	636	19	< 1	0.370	0.90
753	K	9.6	< 0.3	1.54	< 5	12.20	1.79	1.2	6.9	< 0.05	0.240	0.57	< 0.05	< 0.1	1.77	< 0.05	596	< 2	< 1	0.220	0.72
754	K	15.6	< 0.3	1.11	< 5	13.90	1.20	0.4	6.9	< 0.05	0.160	0.24	< 0.05	< 0.1	1.86	< 0.05	492	< 2	< 1	0.200	0.62
755	Mat 100 cm	5.6	< 0.3	2.62	310	17.00	0.37	6.4	35.5	2.46	1.520	< 0.05	1.06	< 0.1	1.53	1.67	2810	< 2	< 1	0.400	4.46
756	K	14.4	< 0.3	1.31	< 5	14.60	< 0.01	1.3	6.2	< 0.05	0.180	0.15	0.19	< 0.1	1.91	< 0.05	569	< 2	< 1	0.280	0.59
757	K	2.3	< 0.3	2.89	358	12.10	2.87	5.6	32.7	2.23	1.390	< 0.05	1.13	< 0.1	1.41	< 0.05	2510	< 2	33	0.310	4.00
758	K bit clayey	6.4	< 0.3	2.94	470	9.68	2.20	6.6	34.0	1.69	1.510	< 0.05	1.58	< 0.1	1.14	< 0.05	4570	< 2	21	0.300	4.09
759	K clayey	8.8	< 0.3	4.33	577	10.60	0.31	11.8	50.8	3.28	2.400	< 0.05	2.17	< 0.1	1.44	< 0.05	5500	< 2	41	0.360	6.26
760	K	7.6	< 0.3	1.61	115	15.10	2.13	1.6	7.1	< 0.05	0.260	0.24	< 0.05	< 0.1	1.36	1.31	602	< 2	< 1	0.280	0.81
761	K	16.0	< 0.3	1.67	120	13.50	1.71	1.4	9.5	< 0.05	0.240	0.56	0.21	< 0.1	1.59	< 0.05	670	< 2	< 1	0.370	0.75
762	M at 85 cm	7.0	< 0.3	0.67	< 5	23.00	2.62	< 0.1	8.1	< 0.05	0.180	< 0.05	0.46	< 0.1	1.59	1.02	277	< 2	< 1	0.220	1.38
763	K	14.0	< 0.3	1.96	< 5	13.20	0.32	1.6	12.9	< 0.05	0.240	0.19	< 0.05	< 0.1	1.61	< 0.05	955	< 2	< 1	0.460	0.80
764	K	16.4	< 0.3	1.65	72	12.60	1.46	1.8	9.0	< 0.05	0.240	0.17	0.22	< 0.1	1.54	0.59	762	< 2	< 1	0.420	0.78
765	K	11.2	< 0.3	1.34	78	17.90	1.99	1.3	6.7	< 0.05	0.230	0.28	< 0.05	< 0.1	1.74	< 0.05	537	< 2	< 1	0.230	0.77
766	K clayey	8.1	< 0.3	2.09	238	11.70	1.70	7.5	35.7	1.86	1.400	< 0.05	1.21	< 0.1	1.59	< 0.05	2340	< 2	28	0.220	3.87
767	K 4, 2,	< 0.1	< 0.3	1.64	140	11.70	2.48	3.0	15.1	< 0.05	0.580	0.14	0.33	< 0.1	1.49	< 0.05	799	< 2	< 1	0.340	1.82
768	K	10.8	< 0.3	2.69	272	9.03	2.38	5.4	20.6	0.83	0.750	< 0.05	0.65	< 0.1	1.30	< 0.05	2070	< 2	25	0.330	2.36
769	K	6.4	< 0.3	1.92	157	11.50	3.02	4.3	10.6	< 0.05	0.330	< 0.05	0.32	< 0.1	1.57	< 0.05	886	< 2	18	0.390	1.12
770	K	21.6	< 0.3	1.99	107	16.50	1.76	1.8	8.3	< 0.05	0.180	0.13	< 0.05	< 0.1	1.64	0.54	425	< 2	< 1	0.330	0.63
771	K	12.8	< 0.3	2.22	< 5	15.40	1.22	2.0	9.3	< 0.05	0.180	0.26	< 0.05	< 0.1	1.80	< 0.05	543	< 2	< 1	0.320	0.68
772	K	11.6	< 0.3	1.56	49	13.40	1.44	2.0	6.9	0.25	0.170	0.14	< 0.05	< 0.1	1.43	< 0.05	411	< 2	< 1	0.260	0.62
773	MT interface	3.1	< 0.3	1.92	332	9.21	2.31	4.8	36.0	0.94	1.100	0.21	3.83	< 0.1	0.73	0.95	9160	< 2	31	0.210	5.60
774	K	7.2	< 0.3	1.27	< 5	11.10	0.59	1.8	5.1	0.28	0.160	0.10	< 0.05	< 0.1	1.61	0.30	378	< 2	< 1	0.360	0.54
775	K	13.2	< 0.3	1.18	< 5	11.80	1.28	0.2	5.5	< 0.05	0.150	< 0.05	< 0.05	< 0.1	1.63	< 0.05	390	< 2	< 1	0.200	0.54
776	K	10.4	< 0.3	1.96	130	11.80	1.89	2.2	6.0	0.18	0.200	0.62	0.21	< 0.1	1.44	< 0.05	516	< 2	< 1	0.430	0.70
777	= 718 K	14.8 32.3	< 0.3	1.84	48	11.40	1.27	1.6	10.5	0.26	0.230	0.52	< 0.05	< 0.1	1.80	< 0.05	677	< 2	< 1	0.380	0.78
778	Clayballs of 766	1.3	< 0.3	4.65	353	9.94	2.23	13.1	75.8	3.74	3.270	< 0.05	3.22	< 0.1	0.41	1.28	6600	< 2	80	0.470	10.10
779	= 7828 K	9.0 11.1	< 0.3	2.48	78	13.40	2.47	3.1	14.7	0.55	0.490	0.23	0.67	< 0.1	1.30	0.51	1430	< 2	< 1	0.430	1.73
780	OREAS 147	1.8	< 0.3	29.30 36	1650 1950	< 0.01	< 0.01 1%	< 0.1	76.2 68	242.00 ✓	2.910 3.3	< 0.05	5.17 ✓	< 0.1	0.09 1.6	10.90 9.6	8730	< 2	702 1184	11.400 10.5	10.50
781	= 726 K	22.0 10.6	< 0.3	1.52	173	8.79	2.75	4.1	12.0	< 0.05	0.480	< 0.05	0.48	< 0.1	1.09	< 0.05	1380	< 2	< 1	0.240	1.55

Results **Activation Laboratories Ltd.** **Report: A21-08073**

Analyte Symbol		Se	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Lu	Yb	Mass	INORGANIC TOP
Unit Symbol		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	at cm depth
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	
751	= 157 M blank	< 0.1	< 100	< 0.05	1.2	< 0.01	< 0.05	< 2	2.82	4.3	< 0.3	0.390	0.08	< 0.1	0.020	0.130	2.48	Blank
752	K	< 0.1	< 100	< 0.05	1.0	0.55	< 0.05	89	3.74	5.9	2.1	0.410	0.08	< 0.1	0.030	0.180	2.65	cedar swamp
753	K	< 0.1	< 100	< 0.05	0.7	< 0.01	< 0.05	88	2.35	4.6	< 0.3	0.290	< 0.05	< 0.1	0.010	< 0.005	2.52	Spruce "
754	K	< 0.1	< 100	< 0.05	0.6	0.25	< 0.05	74	1.72	3.5	6.0	0.220	< 0.05	< 0.1	< 0.001	< 0.005	2.56	spruce "
755	M at 100 cm	< 0.1	< 100	< 0.05	5.2	1.09	< 0.05	108	17.90	28.6	16.7	2.010	0.59	< 0.1	0.070	0.550	2.52	cedar "
756	K	< 0.1	< 100	< 0.05	0.7	< 0.01	< 0.05	88	1.69	3.2	3.6	0.250	< 0.05	< 0.1	< 0.001	0.090	2.47	spruce "
757	K	< 0.1	< 100	< 0.05	4.8	1.08	< 0.05	181	15.90	25.3	18.2	1.750	0.73	< 0.1	0.060	0.600	3.42	20 beige clay, swamp
758	K bit clayey	< 0.1	< 100	< 0.05	4.1	0.75	< 0.05	147	13.00	22.5	15.0	1.530	0.55	< 0.1	0.080	0.670	3.32	10 clay
759	K clayey	< 0.1	< 100	< 0.05	6.5	0.98	< 0.05	166	18.00	36.2	13.4	2.060	0.87	< 0.1	0.100	0.850	3.58	10 clay
760	K	2.1	< 100	< 0.05	0.8	0.28	< 0.05	89	2.56	5.9	3.2	0.320	< 0.05	< 0.1	< 0.001	0.140	2.62	cedar swamp
761	K	< 0.1	< 100	< 0.05	0.7	< 0.01	< 0.05	104	2.14	3.4	< 0.3	0.270	< 0.05	< 0.1	0.010	0.130	2.47	> 100 M spruce-cedar swamp
762	M at 85 cm	< 0.1	< 100	< 0.05	2.8	0.18	< 0.05	< 2	6.32	9.8	8.4	0.820	0.19	0.1	0.010	0.380	2.48	
763	K	< 0.1	< 100	< 0.05	0.7	< 0.01	< 0.05	96	1.86	3.0	5.0	0.260	< 0.05	< 0.1	0.010	0.090	2.44	Spruce "
764	K	< 0.1	< 100	< 0.05	0.9	< 0.01	< 0.05	99	2.02	3.2	1.6	0.280	0.07	< 0.1	0.010	0.110	2.56	Spruce "
765	K	< 0.1	< 100	< 0.05	0.9	< 0.01	< 0.05	115	2.24	4.1	< 0.3	0.300	< 0.05	< 0.1	0.020	0.110	2.65	Spruce-cedar "
766	K clayey	< 0.1	< 100	< 0.05	4.3	1.15	< 0.05	122	17.10	24.3	20.1	1.620	0.67	< 0.1	0.060	0.480	3.08	30 beige clay
767	K 4, 2,	0.9	< 100	< 0.05	1.6	0.42	< 0.05	216	12.50	16.0	18.4	1.180	0.40	< 0.1	0.060	0.270	2.70	15 yellow-beige silt
768	K	< 0.1	< 100	< 0.05	2.0	0.46	< 0.05	173	6.63	11.2	3.1	0.700	< 0.05	< 0.1	0.030	0.350	2.90	hill flat
769	K	< 0.1	< 100	< 0.05	1.1	< 0.01	< 0.05	238	6.04	9.1	5.3	0.590	0.13	< 0.1	< 0.001	0.240	2.71	10 yellow-beige silt
770	K	< 0.1	< 100	< 0.05	0.7	0.20	< 0.05	115	2.00	2.2	< 0.3	0.230	< 0.05	< 0.1	0.020	0.080	2.50	50 y-beige clay, spruce Swamp
771	K	< 0.1	< 100	< 0.05	0.6	< 0.01	< 0.05	106	1.92	3.8	< 0.3	0.240	< 0.05	< 0.1	0.010	0.110	2.52	30 beige clay, " "
772	K	< 0.1	< 100	< 0.05	0.5	< 0.01	< 0.05	100	1.81	2.1	< 0.3	0.220	< 0.05	< 0.1	0.020	0.090	2.62	larch-fir swamp
773	MT interface	< 0.1	< 100	< 0.05	5.5	3.02	< 0.05	17	26.50	41.8	43.1	3.280	1.67	< 0.1	0.220	1.200	4.66	MUCK - SILT at 70 cm
774	K	< 0.1	100	< 0.05	0.3	0.28	< 0.05	73	1.60	3.4	< 0.3	0.190	0.08	< 0.1	< 0.001	0.080	2.70	> 100 M cedar swamp
775	K	< 0.1	< 100	< 0.05	0.4	< 0.01	< 0.05	80	1.60	3.7	3.9	0.200	0.07	< 0.1	< 0.001	< 0.005	2.63	50 grey clay, spruce "
776	K	< 0.1	< 100	< 0.05	0.5	< 0.01	< 0.05	203	2.20	3.3	2.1	0.270	0.08	< 0.1	0.020	0.110	2.89	10 beige clay
777	= 718 K	1.9	200	< 0.05	0.6	< 0.01	< 0.05	77	2.13	3.1	< 0.3	0.270	0.07	< 0.1	0.010	0.110	2.56	
778	clayballs of 766	< 0.1	< 100	< 0.05	11.1	2.38	< 0.05	92	35.00	57.2	48.9	4.080	1.63	0.1	0.260	1.520	5.58	
779	= 7828 K	< 0.1	< 100	< 0.05	1.7	1.09	< 0.05	125	8.22	11.6	7.1	0.950	0.35	< 0.1	0.060	0.320	3.01	
780	OREAS 147	< 0.1	< 100	11.90 [17.8]	92.0 ✓	15.80	3.23	93 [142]	682.00 ✓	883.0 [1198]	400.0 ✓	36.800 [48]	11.60 [10.2]	< 0.1 [2.3]	0.040	0.330 [1.6]	9.91	Standard
781	= 726 K	< 0.1	< 100	< 0.05	1.2	< 0.01	< 0.05	210	6.32	9.6	6.1	0.620	< 0.05	< 0.1	0.040	0.210	3.03	

Quality Control **Activation Laboratories Ltd.** **Report: A21-08073**

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	54.0			265		< 0.01	60.3	982.0	< 0.05	25.100		6.11		0.34	< 0.05	723	459	21		96.60
OREAS 45e (INAA) Cert	53.0			246		0.06	59.0	1070.0	1.20	24.200		6.31		0.34	2.95	580	459	21		91.00
Method Blank	< 0.1	< 0.3	< 0.01	< 5	0.70	< 0.01	< 0.1	0.5	< 0.05	0.010	< 0.05	< 0.05	< 0.1	< 0.01	< 0.05	38	< 2	< 1	0.020	0.06

Quality Control **Activation Laboratories Ltd.** **Report: A21-08073**

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	2.22	< 0.05		11.40	23.1	9.3	2.130	0.58	< 0.1	0.230	1.490	
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	0.17	0.4	< 0.3	0.020	< 0.05	< 0.1	< 0.001	< 0.005	10.00

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

Finalized Date: 22-NOV-2020
Account: DAXHER

CERTIFICATE VA20241009

P.O. No.: MU-SH-20 Decayed vegetation sievings < 250 micron
This report is for 31 Vegetation samples submitted to our lab in Vancouver, BC, Canada on 21-OCT-2020.
The following have access to data associated with this certificate:
HERMANN DAXL

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-VEG41	Vegetation - HNO3/HCl ICPAES-ICPMS - 1 g aliquots

NOT ASHED

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

Sand Silt Vol.%		Sample Description	VA20241009 ME-VEG41 Au NA	VA20241009 ME-VEG41 Au ? ppb	VA20241009 ME-VEG41 Ag ppm	VA20241009 ME-VEG41 Al %	VA20241009 ME-VEG41 As ppm	VA20241009 ME-VEG41 B ppm	VA20241009 ME-VEG41 Ba ppm	VA20241009 ME-VEG41 Be ppm	VA20241009 ME-VEG41 Bi ppm
	671	OREAS 47	35.0	32.4	0.089	0.74	8.69	2	57.0	0.1	0.111
1 D	701	KC	9.4	1.4	0.094	1.01	2.74	15	87.3	0.35	0.169
2 T	703	KC	3.9	1.0	0.080	0.64	1.86	13	53.0	0.26	0.145
0	705	K	7.4	2.1	0.057	0.27	1.81	15	37.0	0.10	0.139
0	708	K	10.9	1.4	0.109	0.26	2.21	12	53.7	0.10	0.181
? 0	709	KC	4.3	1.2	0.130	1.16	2.22	14	92.7	0.40	0.126
0	716	K	14.8	3.3	0.077	0.08	2.38	3	45.3	0.03	0.294
0	720	K	23.4	2.6	0.106	0.11	2.18	10	109.5	0.04	0.263
0	724	K	10.9	2.0	0.082	0.20	1.51	16	72.7	0.07	0.153
0	725	K	20.3	3.1	0.092	0.43	1.73	16	115.5	0.16	0.158
0	727	K	14.2	2.0	0.095	0.17	2.27	14	41.9	0.08	0.176
0	730	K	3.7	2.5	0.086	0.17	1.55	16	69.9	0.07	0.127
0	732	K	12.7	2.7	0.099	0.43	1.43	13	123.5	0.18	0.132
0	736	K	13.3	1.5	0.066	0.04	1.19	17	70.4	0.02	0.120
0	738	K	5.0	1.7	0.078	0.16	1.64	12	76.3	0.08	0.145
0	739	K	7.1	2.0	0.128	0.23	1.96	27	72.3	0.10	0.216
0	740	K	10.4	2.1	0.103	0.34	1.63	14	87.8	0.14	0.156

? Not suitable for gold in K.
NA = Gold by neutron activation

		Sample Description	VA20241009 ME-VEG41 Ca %	VA20241009 ME-VEG41 Cd ppm	VA20241009 ME-VEG41 Ce ppm	VA20241009 ME-VEG41 Co ppm	VA20241009 ME-VEG41 Cr ppm	VA20241009 ME-VEG41 Cs ppm	VA20241009 ME-VEG41 Cu ppm	VA20241009 ME-VEG41 Fe %
	671	OREAS 47	0.55	0.482	39.100	44.600	26.70	1.210	139.00	1.340
1 D	701	KC	2.10	1.065	19.950	5.830	21.60	0.996	34.00	1.140
2 T	703	KC	2.10	0.862	18.100	3.700	13.65	0.610	21.20	0.728
0	705	K	2.02	0.786	5.800	1.910	5.88	0.423	24.90	0.311
0	708	K	2.15	1.420	7.240	2.260	5.65	0.288	31.30	0.314
? 0	709	KC	1.98	0.964	17.350	6.160	22.50	1.075	19.85	1.275
0	716	K	0.44	0.698	2.060	0.687	3.18	0.109	37.60	0.160
0	720	K	1.59	0.939	2.790	0.725	3.10	0.162	38.40	0.151
0	724	K	2.04	0.902	4.360	1.610	4.31	0.239	28.50	0.228
0	725	K	2.45	1.115	9.060	3.250	9.85	0.507	28.60	0.521
0	727	K	2.55	1.040	5.900	1.415	4.08	0.148	39.00	0.215
0	730	K	2.27	1.085	5.130	1.135	3.97	0.196	30.80	0.182
0	732	K	2.42	1.090	11.550	2.800	9.08	0.567	23.20	0.479
0	736	K	2.12	0.895	0.958	0.483	1.74	0.081	31.50	0.082
0	738	K	1.76	0.754	4.760	0.787	2.99	0.137	27.30	0.165
0	739	K	3.44	1.895	5.880	2.390	4.95	0.254	40.50	0.244
0	740	K	2.21	1.575	10.350	3.750	6.93	0.372	27.60	0.373

Sand Silt Vol.%	Sample Description	VA20241009 ME-VEG41 Ga ppm	VA20241009 ME-VEG41 Ge ppm	VA20241009 ME-VEG41 Hf ppm	VA20241009 ME-VEG41 Hg ppm	VA20241009 ME-VEG41 In ppm	VA20241009 ME-VEG41 K %	VA20241009 ME-VEG41 La ppm	VA20241009 ME-VEG41 Li ppm
	671 OREAS 47	~~2.73~~ 3.28	~~0.07~~	0.213	~~0.046~~	~~0.035~~ ✓	~~0.11~~	~~22.700~~ 25.2	8.4 8.8
1 D	701 KC	3.640	0.055	0.315	0.128	0.066	0.21	10.450	12.6
2 T	703 KC	2.090	0.078	0.198	0.106	0.039	0.12	10.900	7.2
0	705 K	0.932	0.086	0.085	0.150	0.050	0.13	3.270	3.0
0	708 K	0.948	0.120	0.085	0.187	0.070	0.08	4.540	2.5
? 0	709 KC	4.140	0.029	0.267	0.093	0.029	0.28	8.840	14.1
0	716 K	0.389	0.122	0.018	0.321	0.146	0.11	1.095	0.5
0	720 K	0.428	0.132	0.033	0.251	0.105	0.08	1.650	0.8
0	724 K	0.683	0.082	0.062	0.166	0.060	0.11	2.530	1.9
0	725 K	1.605	0.078	0.123	0.134	0.063	0.16	4.890	5.3
0	727 K	0.588	0.111	0.053	0.212	0.095	0.08	3.100	1.2
0	730 K	0.550	0.077	0.053	0.166	0.061	0.09	3.380	1.6
0	732 K	1.445	0.081	0.107	0.143	0.052	0.15	7.130	5.0
0	736 K	0.168	0.037	0.013	0.172	0.066	0.09	0.501	0.3
0	738 K	0.454	0.076	0.050	0.167	0.065	0.08	3.110	1.0
0	739 K	0.763	0.128	0.059	0.154	0.087	0.10	3.590	2.4
0	740 K	1.085	0.085	0.080	0.161	0.056	0.15	5.790	3.5

	Sample Description	VA20241009 ME-VEG41 Mg %	VA20241009 ME-VEG41 Mn ppm	VA20241009 ME-VEG41 Mo ppm	VA20241009 ME-VEG41 Na %	VA20241009 ME-VEG41 Nb ppm	VA20241009 ME-VEG41 Ni ppm	VA20241009 ME-VEG41 P %	VA20241009 ME-VEG41 Pb ppm
	671 OREAS 47	0.446	~~239.0~~ 230	~~11.15~~ 12.7	~~0.071~~ 0.091	0.195	70.10 ~~60~~	0.050 ✓	~~260.00~~ 284
1 D	701 KC	0.392	321.0	0.41	0.004	1.575	14.00	0.081	13.95
2 T	703 KC	0.326	236.0	0.43	0.004	1.055	9.66	0.098	13.05
0	705 K	0.179	133.5	0.45	0.007	0.390	5.54	0.086	12.10
0	708 K	0.216	220.0	0.68	0.006	0.374	5.57	0.097	17.15
? 0	709 KC	0.418	641.0	0.38	0.003	1.640	15.50	0.100	9.49
0	716 K	0.083	93.3	0.38	0.006	0.097	3.77	0.071	20.10
0	720 K	0.109	272.0	0.44	0.004	0.134	4.38	0.082	21.20
0	724 K	0.170	281.0	0.34	0.003	0.250	5.03	0.089	13.25
0	725 K	0.236	424.0	0.38	0.005	0.731	8.46	0.101	13.15
0	727 K	0.264	206.0	0.68	0.006	0.275	4.80	0.098	14.35
0	730 K	0.161	185.5	0.38	0.004	0.173	4.64	0.078	9.25
0	732 K	0.223	453.0	0.39	0.006	0.624	7.74	0.116	10.70
0	736 K	0.136	142.5	0.47	0.005	0.060	2.65	0.084	7.74
0	738 K	0.126	97.8	0.40	<0.001	0.156	4.46	0.080	11.80
0	739 K	0.253	136.0	0.57	0.003	0.270	7.09	0.101	19.80
0	740 K	0.222	734.0	0.52	0.005	0.426	7.13	0.115	15.50

Sand Silt Vol.%		Sample Description	VA20241009 ME-VEG41 Pd ppb	VA20241009 ME-VEG41 Pt ppb	VA20241009 ME-VEG41 Rb ppm	VA20241009 ME-VEG41 Re ppm	VA20241009 ME-VEG41 S %	VA20241009 ME-VEG41 Sb ppm	VA20241009 ME-VEG41 Sc ppm	VA20241009 ME-VEG41 Se ppm
	671	OREAS 47	~~26~~ 43	~~12~~ 26	~~7.13~~ ✓	~~<0.001~~ ✓	~~0.04~~ ✓	~~0.01~~ 0.2	~~2.85~~ 3.17	~~0.057~~
1 D	701	KC	<1	1	17.65	<0.001	0.15	0.12	2.07	1.535
2 T	703	KC	<1	1	11.00	0.001	0.17	0.14	1.30	0.995
0	705	K	<1	5	5.80	<0.001	0.22	0.17	0.58	1.460
0	708	K	1	1	5.39	0.001	0.27	0.24	0.50	1.595
? 0	709	KC	<1	1	21.90	<0.001	0.12	0.09	1.63	0.718
0	716	K	1	4	2.54	<0.001	0.12	0.34	0.25	6.130
0	720	K	1	2	2.48	<0.001	0.21	0.26	0.29	2.900
0	724	K	1	1	4.32	<0.001	0.21	0.19	0.38	1.330
0	725	K	<1	1	10.90	<0.001	0.17	0.18	0.77	1.540
0	727	K	<1	2	2.80	0.001	0.27	0.22	0.31	1.575
0	730	K	<1	1	3.45	0.001	0.21	0.16	0.30	1.045
0	732	K	<1	1	10.15	<0.001	0.19	0.16	0.66	1.240
0	736	K	1	2	2.30	<0.001	0.25	0.16	0.14	1.025
0	738	K	<1	1	1.98	0.001	0.22	0.20	0.25	1.310
0	739	K	<1	1	5.56	0.001	0.25	0.20	0.29	1.190
0	740	K	<1	<1	7.41	<0.001	0.22	0.20	0.51	1.515

		Sample Description	VA20241009 ME-VEG41 Sn ppm	VA20241009 ME-VEG41 Sr ppm	VA20241009 ME-VEG41 Ta ppm	VA20241009 ME-VEG41 Te ppm	VA20241009 ME-VEG41 Th ppm	VA20241009 ME-VEG41 Ti %	VA20241009 ME-VEG41 Tl ppm	VA20241009 ME-VEG41 U ppm
	671	OREAS 47	~~0.77~~ 2.54	~~28.10~~ 31.4	~~0.001~~	~~0.01~~	~~2.940~~ 3.25	~~0.055~~ 0.07	~~0.073~~ 0.083	~~0.416~~ 0.47
1 D	701	KC	0.37	35.30	0.003	0.02	1.870	0.033	0.082	0.429
2 T	703	KC	0.25	32.10	0.006	0.02	1.045	0.023	0.068	1.070
0	705	K	0.34	27.00	0.005	0.01	0.507	0.011	0.035	0.133
0	708	K	0.38	33.80	0.007	0.02	0.349	0.009	0.054	0.354
? 0	709	KC	0.23	33.40	0.001	0.02	1.100	0.032	0.089	0.337
0	716	K	0.54	12.55	0.004	0.01	0.099	0.003	0.033	0.050
0	720	K	0.61	29.50	0.003	0.01	0.206	0.004	0.059	0.073
0	724	K	0.36	29.70	0.004	0.01	0.266	0.007	0.041	0.085
0	725	K	0.37	40.50	0.004	0.02	0.537	0.017	0.044	0.138
0	727	K	0.34	63.70	0.008	0.02	0.173	0.006	0.038	0.594
0	730	K	0.27	33.50	0.003	0.01	0.187	0.005	0.051	0.115
0	732	K	0.26	35.10	0.005	0.02	0.357	0.015	0.057	0.190
0	736	K	0.27	49.90	0.003	0.01	0.065	0.001	0.038	0.049
0	738	K	0.25	44.70	0.004	0.02	0.158	0.004	0.037	0.247
0	739	K	0.35	42.10	0.004	0.02	0.113	0.006	0.041	0.128
0	740	K	0.26	32.20	0.004	0.01	0.291	0.010	0.059	0.151

Sand Silt Vol.%	Sample Description		VA20241009 ME-VEG41 V ppm	VA20241009 ME-VEG41 W ppm	VA20241009 ME-VEG41 Y ppm	VA20241009 ME-VEG41 Zn ppm	VA20241009 ME-VEG41 Zr ppm
	671	OREAS 47	~~22.70~~ ~~24.7~~	~~0.02~~ ~~0.11~~	5.740	~~191.5~~ ~~217~~	~~6.69~~ - STANDARD, augmented till
1 D	701	KC	22.20	0.12	3.690	163.5	10.60
2 T	703	KC	13.80	0.10	4.490	137.0	7.91
0	705	K	5.58	0.09	1.040	122.5	2.86
0	708	K	5.81	0.09	1.400	152.0	3.06
? 0	709	KC	24.60	0.23	2.770	194.5	9.40
0	716	K	2.04	0.16	0.439	42.1	0.73
0	720	K	2.63	0.12	0.612	162.0	1.17
0	724	K	3.73	0.07	0.782	156.5	1.98
0	725	K	10.30	0.16	1.580	208.0	4.14
0	727	K	4.35	0.08	1.285	100.5	2.28
0	730	K	3.08	0.07	1.110	189.0	1.77
0	732	K	8.38	0.13	2.300	201.0	3.54
0	736	K	1.21	0.07	0.228	181.0	0.48
0	738	K	2.60	0.09	1.165	135.5	2.24
0	739	K	4.25	0.13	1.220	283.0	2.18
0	740	K	6.19	0.17	1.900	234.0	3.01

A lab duplicate of 725 agreed well, and so did the lab blank.

Gold results are vague and variable, generally lower than by neutron activation.

K = Decayed vegetation 0-6 cm depth, KC = some clayballs.

D = Sand

T = Silt

C = Clay

NA = Gold by neutron activation is more reliable, therefore plotted on gold map.

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

Finalized Date: 22-JUN-2021
Account: DAXHER

CERTIFICATE VA21141376

P.O. No.: SHI-VAR-AR
This report is for 39 samples of Vegetation submitted to our lab in Vancouver, BC, Canada on 3-JUN-2021.
The following have access to data associated with this certificate:
HERMANN DAXL

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS41L	Super Trace Lowest DL AR by ICP-MS (unashed)	

Decayed, sieved < 250 micron dry.

SUPER TRACE: Analyzed as is by Aqua regia for soil ME-MS41L ~.45g

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) sieved < 250 μm, except MTCD = muck, silt, clay, sand. no other inorganic content, by SUPER TRACE - aqua regia - ICP/MS, by ALS Canada Ltd. North Vancouver.

Sample	Description	VA21141376 ME-MS41L Au ppb	NA	VA21141376 ME-MS41L Ag ppm	VEG41	VA21141376 ME-MS41L Al %	VA21141376 ME-MS41L As ppm	VEG41	VA21141376 ME-MS41L B ppm	VA21141376 ME-MS41L Ba ppm		VA21141376 ME-MS41L Be ppm
156	blank MD	1.3 ✓		0.016		0.17	1.17		<10	24.0		0.08
704		8.1	4.1	0.074		0.48	1.94		10	48.6		0.20
711		2.7	8.2	0.110		1.03	2.41		10	77.6		0.42
728	clayey	1.5	1.9	0.097		1.08	9.67	7.3 NA	10	108.0	484 NA	0.60
756		18.2	14.4	0.080		0.06	1.48		10	33.2		0.03
757		3.2	2.3	0.113		1.11	2.59		20	82.7		0.41
758		3.3	6.4	0.133		0.90	2.94		10	116.5		0.32
761		14.8	10-16	0.098		0.09	2.02		10	48.5		0.04
762	M at 85 cm	2.1	7.0	0.043		0.31	0.48		<10	26.6		0.22
764		9.4	16.4	0.185		0.08	1.61		10	37.7		0.03
767		6.1	2-4	0.246		0.41	1.79		10	103.0		0.19
768		3.7	10.8	0.159		0.42	2.33		10	140.5		0.14
770		11.9	21.6	0.091		0.07	1.86		10	65.9		0.03
772		13.5	11.6	0.080		0.06	1.45		10	37.7		0.02
773	MT 50% T	0.7	3.1	0.095		0.80	1.24		<10	48.7	332 NA	0.37
774		10.9	7.2	0.087		0.06	1.34		10	21.6		0.02
776		9.8	10.4	0.162		0.08	2.28		10	113.0		0.03
783		3.1	8.9	0.072		0.54	1.87		20	109.5		0.22
784		7.9	9.3	0.115		0.30	2.48		10	47.4		0.13
785		5.2	7.5	0.083		0.28	2.49		10	53.7		0.11
786		3.1	4.8	0.095		0.57	2.24		10	71.7		0.23
790		3.2	6.4	0.122		0.42	3.11		10	79.9		0.16
798		? 26.5	13.9	0.118		0.09	2.54		<10	26.6		0.03
DSTN		7.3	6.2	0.103		0.21	2.45		10	43.6		0.11
ST3	OREAS 47	35.1 ✓	40.-	0.098		0.77 ✓	9.21 ✓		<10	59.6 ✓		0.18 ✓
TST1	= 522	9.4	18	0.124	0.114	0.09	2.21	1.92	<10	31.6		0.02
TST2	= 525	17.4	24	0.064	0.073	0.07	2.49	2.29	<10	19.4		0.02
TST3	= 561	18.4	21	0.222	0.186	0.18	2.50	2.05	10	80.3		0.10
TST4	= 595	6.1	20	0.239	0.214	0.10	2.44	2.29	10	131.5		0.05
TST5	= 640	16.9	21	0.104	0.060	0.12	3.50	1.96	<10	67.7		0.03
157	blank MD	0.5 ✓		0.017		0.19	1.06		<10	18.4		0.09
8069	K 4% T 125-250	13.1	23.4+26.2	0.188		0.95	5.27	3.79 NA	10	96.3		0.28
8074	SHAFT TEST K 125-250	91.4 ✓		0.133	0.127	0.60	66.00	54 NA	10	151.0		0.10

GOLD by this method still varies too much but is closer to neutron activation than ME-VEG 41. Other elements are also somewhat higher, as shown by TST1-TST5 of other batches from Ass. Work 3878 MURPHY TOWNSHIP. by ME-VEG 41 unashed - HNO_3/HCl - ICPAES/ICPMS by ALS, especially copper.

Sample Description		VA21141376 ME-MS41L Bi ppm	VA21141376 ME-MS41L Ca %	VA21141376 ME-MS41L Cd ppm	VA21141376 ME-MS41L Ce ppm	VA21141376 ME-MS41L Co → ppm VEG41	VA21141376 ME-MS41L Cr → ppm VEG41	VA21141376 ME-MS41L Cs ppm
156	blank MΘ	0.015	2.55	0.055	2.80	0.336	1.81	0.097
704		0.136	2.39	1.030	14.50	3.440	11.75 20 NA	0.422
711		0.141	2.16	1.015	27.30	5.570	22.90	0.764
728	clayey	0.203	2.48	1.085	51.80 56.9 NA	8.670 11.4 NA	28.90 56 NA	0.747
756		0.195	0.89	0.935	1.41	0.569	2.94	0.109
757		0.190	2.07	1.145	24.50	4.880	22.50	0.808
758		0.205	1.61	1.000	21.30	5.670	20.70	0.670
761		0.270	1.28	0.931	2.04	0.736	3.22	0.120
762	M at 85 cm	0.020	2.23	0.216	8.28	0.598	4.62	0.115
764		0.276	1.14	0.829	1.62	0.614	3.28	0.133
767		0.182	2.32	1.430	16.25	2.690	7.95	0.322
768		0.224	1.86	1.360	8.58	4.200	9.41	0.411
770		0.235	1.17	1.095	1.58	0.709	2.59	0.096
772		0.146	1.21	0.677	1.34	0.776	2.69	0.141
773	MT 50% T	0.074	1.68	0.578	37.80	3.360	18.05	0.584
774		0.169	1.38	0.699	1.19	0.476	2.22	0.106
776		0.311	1.55	1.495	1.97	1.175	2.84	0.105
783		0.122	2.54	1.150	14.80	4.240	13.00	0.462
784		0.237	1.31	0.850	8.49	1.195	6.77	0.335
785		0.281	1.63	1.170	5.55	2.000	6.76	0.299
786		0.176	2.08	0.902	17.95	2.710	11.40	0.453
790		0.258	2.03	1.350	9.02	2.610	8.70	0.355
798		0.407	0.31	1.040	2.31	0.648	3.47	0.197
DSTN		0.188	2.31	0.993	6.08	1.470	4.17	0.155
ST3	OREAS 47	0.128 ✓	0.54 ✓	0.464 ✓	41.10 ✓	44.100 ✓	29.30 ✓	1.100 ✓
TST1	= 522	0.254	0.34	0.876	2.22	0.711 0.6	3.25 2.7	0.175
TST2	= 525	0.191	0.73	0.700	1.29	0.494 0.44	2.30 2.1	0.132
TST3	= 561	0.283	1.62	1.665	8.07	2.390 2.00	4.22 3.5	0.180
TST4	= 595	0.282	2.41	1.675	4.06	3.530 3.11	2.76 2.5	0.111
TST5	= 640	0.392	0.49	1.165	2.76	0.918 0.49	3.78 2.1	0.144
157	blank MΘ	0.024	2.21	0.190	3.00	0.410	2.04	0.075
8069	K 4% T 125-250	0.234	1.23	0.949	19.25 24.2 NA	7.000 9 NA	23.20 42 NA	0.621
8074	SHAFT TEST KΘ 125-250	0.209	1.88	0.936	6.37 11.6 NA	18.300 NA	20.30 60 NA	0.513

Sample	Description	VA21141376 ME-MS41L Cu ppm VEG41	VA21141376 ME-MS41L Fe % VEG41	VA21141376 ME-MS41L Ga ppm	VA21141376 ME-MS41L Ge ppm	VA21141376 ME-MS41L Hf ppm	VA21141376 ME-MS41L Hg ppm	VA21141376 ME-MS41L In ppm VEG41
156	blank MΘ	3.5	0.240	0.417	0.018	0.012	0.067	<0.005
704		26.8	0.570	1.630	0.044	0.065	0.158	0.050
711		22.4	1.110	3.540	0.056	0.060	0.178	0.033
728	clayey	44.3	1.950	3.820	0.081	0.058	0.118	0.037
756		42.2	0.125	0.239	0.016	0.005	0.205	0.108
757		26.1	1.180	3.890	0.070	0.077	0.131	0.045
758		26.8	1.210	3.520	0.054	0.046	0.117	0.050
761		49.3	0.153	0.358	0.024	0.008	0.242	0.158
762	M at 85 cm	18.3	0.128	0.444	0.026	0.081	0.071	0.006
764		54.5	0.151	0.357	0.027	0.006	0.195	0.163
767		29.5	0.440	1.270	0.049	0.053	0.157	0.059
768		24.4	0.580	1.875	0.038	0.029	0.162	0.057
770		47.0	0.117	0.284	0.029	0.009	0.245	0.110
772		39.3	0.112	0.240	0.018	0.008	0.175	0.092
773	MT 50% T	17.2	0.750	2.510	0.067	0.098	0.129	0.011
774		36.8	0.105	0.250	0.017	0.008	0.158	0.090
776		57.9	0.143	0.377	0.033	0.012	0.251	0.146
783		24.6	0.750	2.020	0.042	0.054	0.116	0.034
784		39.2	0.370	1.045	0.039	0.045	0.190	0.092
785		40.9	0.360	1.065	0.038	0.038	0.188	0.094
786		30.7	0.620	1.790	0.056	0.079	0.146	0.059
790		31.9	0.500	1.545	0.062	0.059	0.173	0.061
798		47.6	0.176	0.457	0.033	0.006	0.323	0.156
DSTN		22.8	0.237	0.696	0.046	0.046	0.178	0.043
ST3	OREAS 47	149.0 ✓	1.500 ✓	2.640	0.082	0.182	0.022	0.030 ✓
TST1	= 522	55.1 44	0.173 0.165	0.398	0.024	0.009	0.313	0.153 0.132
TST2	= 525	46.1 38	0.122 0.118	0.284	0.019	0.005	0.237	0.118 0.099
TST3	= 561	71.7 56	0.260 0.221	0.635	0.038	0.021	0.220	0.175 0.125
TST4	= 595	73.1 69	0.212 0.204	0.389	0.033	0.013	0.267	0.201 0.193
TST5	= 640	76.1 46	0.237 0.141	0.580	0.048	0.010	0.356	0.239 0.136
157	blank MΘ	4.3	0.141	0.480	0.019	0.014	0.074	<0.005
8069	K4% T 125-250	34.9	1.220	3.700	0.047	0.012	0.155	0.066
8074	SHAFT TEST KΘ 125-250	51.0 47	1.730 1.69	2.470	0.035	0.009	0.524	0.051 0.046

Sample	Description	VA21141376 ME-MS41L K %	VA21141376 ME-MS41L La ppm VEG41	VA21141376 ME-MS41L Li ppm	VA21141376 ME-MS41L Mg %	VA21141376 ME-MS41L Mn ppm	VA21141376 ME-MS41L Mo ppm	VA21141376 ME-MS41L Na %
156	blank MO	<0.01	1.420	0.2	0.09	20.8	0.23	0.010
704		0.10	7.610	5.3	0.28	200.0	0.45	0.009
711		0.18	15.250	11.5	0.39	288.0	0.41	0.010
728	clayey	0.10	27.500	13.1	0.80	1440.0	0.53	0.030
756		0.10	0.730	0.2	0.13	48.0	0.31	0.009
757		0.21	13.850	12.1	0.43	260.0	0.46	0.010
758		0.17	9.760	11.1	0.37	424.0	0.41	0.009
761		0.08	1.095	<0.1	0.17	233.0	0.32	0.008
762	M at 85cm	0.01	5.260	<0.1	0.16	25.5	0.48	0.010
764		0.09	0.840	<0.1	0.17	123.0	0.26	0.007
767		0.14	9.620	3.6	0.21	359.0	0.51	0.008
768		0.16	3.840	3.8	0.19	749.0	0.73	0.007
770		0.08	0.861	<0.1	0.12	217.0	0.49	0.006
772		0.09	0.709	<0.1	0.14	514.0	0.43	0.005
773	MT 50% T	0.05	19.550	7.8	0.29	151.5	0.23	0.008
774		0.08	0.662	<0.1	0.14	191.5	0.36	0.007
776		0.09	1.085	<0.1	0.13	402.0	0.38	0.007
783		0.18	6.810	6.7	0.32	330.0	0.24	0.011
784		0.11	5.150	1.5	0.16	52.8	0.45	0.008
785		0.09	2.850	1.9	0.16	178.0	0.53	0.008
786		0.13	11.600	5.1	0.31	137.0	0.58	0.009
790		0.12	5.170	3.3	0.22	198.5	0.93	0.008
798		0.12	1.285	<0.1	0.07	96.7	0.34	0.009
DSTN		0.07	3.830	0.4	0.17	225.0	1.23	0.007
ST3	OREAS 47	0.11	24.200 ✓	8.0 ✓	0.43 ✓	254.0 ✓	11.40 ✓	0.081 ✓
TST1	= 522	0.09	1.100 0.979	<0.1	0.06	189.0	0.33	0.009
TST2	= 525	0.07	0.651 0.688	<0.1	0.09	87.4	0.39	0.009
TST3	= 561	0.10	4.170 3.49	0.5	0.18	628.0	0.45	0.008
TST4	= 595	0.07	1.910 1.59	<0.1	0.19	521.0	0.42	0.009
TST5	= 640	0.09	1.410 0.787	<0.1	0.08	53.6	0.53	0.009
157	blank MO	<0.01	1.570	<0.1	0.11	13.0	0.22	0.013
8069	K4%T 125-250	0.14	8.860 12.7 NA	9.7	0.34	1065.0	0.46	0.010
8074	SHAFTTEST KO 125-250	0.08	3.030 6.5 NA	5.2	0.31	1375.0	0.39	0.008

Sample Description	VA21141376 ME-MS41L Nb ppm	VA21141376 ME-MS41L Ni ppm VEG41	VA21141376 ME-MS41L P %	VA21141376 ME-MS41L Pb ppm VEG41	VA21141376 ME-MS41L Pd ppb	VA21141376 ME-MS41L Pt ppb	VA21141376 ME-MS41L Rb ppm
156 blank MΦ	0.111	1.53	0.025	1.01	<1	<2	0.210
704	0.615	8.03	0.117	10.60	<1	<2	6.230
711	1.205	12.95	0.108	11.65	<1	<2	14.200
728 clayey	1.805	21.10	0.138	16.25	<1	<2	9.920
756	0.059	4.11	0.066	13.15	1	<2	2.240
757	1.130	13.70	0.099	16.20	<1	<2	13.650
758	1.290	12.95	0.087	19.50	<1	<2	15.200
761	0.081	5.07	0.062	19.50	<1	5	1.795
762 M ot 85cm	0.243	6.27	0.045	0.94	<1	4	0.593
764	0.081	4.21	0.062	18.35	1	3	2.080
767	0.376	8.36	0.116	17.70	<1	<2	7.500
768	0.627	8.39	0.115	25.00	<1	<2	10.100
770	0.070	4.44	0.059	20.90	<1	<2	1.550
772	0.056	3.59	0.080	8.80	<1	<2	2.610
773 MT 50% T	1.190	10.10	0.062	4.81	<1	<2	5.350
774	0.060	3.09	0.060	10.30	<1	<2	2.050
776	0.086	5.30	0.083	27.50	1	<2	1.615
783	0.779	9.38	0.101	9.17	<1	<2	11.100
784	0.335	6.08	0.072	22.30	<1	<2	3.470
785	0.314	7.23	0.085	24.20	<1	<2	4.340
786	0.564	8.75	0.093	14.80	<1	<2	6.860
790	0.450	7.98	0.081	26.90	<1	<2	5.770
798	0.078	6.26	0.084	23.60	<1	<2	3.510
DSTN	0.195	5.27	0.086	18.90	<1	<2	2.290
ST3 OREAS 47	0.906	71.20 ✓	0.053 ✓	262.00 ✓	38 ✓	21 ✓	6.530 ✓
TST1 = 522	0.104	3.91 3.0	0.071	19.00 16.5	1	<2	3.560
TST2 = 525	0.063	3.05 2.4	0.069	15.35 13.5	1	<2	2.330
TST3 = 561	0.171	5.40 3.9	0.099	23.60 19.0	<1	<2	2.790
TST4 = 595	0.099	5.71 4.2	0.096	29.50 27.0	1	<2	1.880
TST5 = 640	0.127	6.29 2.7	0.068	39.00 22.0	<1	<2	1.720
157 blank MΦ	0.126	1.63	0.022	1.07	<1	<2	0.197
8069 K47.T 125-250	1.035	17.70	0.114	31.80	1	<2	19.500
8074 SHAFT TEST KΦ 125-250	0.359	25.10 24.2	0.114	55.40 50.2	2 ✓	<2	8.100

Sample Description	VA21141376 ME-MS41L Re ppm	VA21141376 ME-MS41L S → % VEGH	VA21141376 ME-MS41L Sb ppm	VA21141376 ME-MS41L Sc ppm	VA21141376 ME-MS41L Se ppm	VA21141376 ME-MS41L Sn ppm	VA21141376 ME-MS41L Sr ppm
156 blank MB	0.001	0.14	0.026	0.423	0.842	0.07	84.60
704	0.001	0.21	0.167	1.090	0.887	0.47	35.50
711	0.001	0.17	0.184	1.745	0.782	0.56	38.10
728 clayey	0.001	0.12	0.180	2.520 7.34 NA	1.195	0.72	53.50
756	0.001	0.16	0.165	0.315	0.827	0.47	33.00
757	0.001	0.15	0.187	1.900	0.763	0.77	34.60
758	0.000	0.11	0.135	1.680	0.553	0.66	33.50
761	0.000	0.13	0.229	0.429	1.120	0.65	26.10
762 M at 85cm	0.002	0.17	0.095	0.757	0.964	0.07	30.60
764	0.000	0.12	0.214	0.415	1.025	0.62	24.40
767	0.001	0.19	0.181	0.769	0.837	0.56	35.20
768	0.001	0.15	0.203	0.902	0.783	0.71	32.30
770	0.001	0.16	0.199	0.437	0.986	0.58	26.00
772	0.001	0.18	0.142	0.349	0.862	0.37	37.50
773 MT 50%T	0.001	0.11	0.064	2.170	1.040	0.26	31.10
774	0.000	0.15	0.158	0.375	0.787	0.38	21.30
776	0.001	0.20	0.254	0.436	1.230	0.84	25.20
783	0.001	0.16	0.110	1.105	0.470	0.38	38.80
784	0.001	0.19	0.233	0.830	1.085	0.74	23.70
785	0.001	0.20	0.259	0.675	1.060	0.83	24.80
786	0.001	0.19	0.169	1.115	0.904	0.56	34.10
790	0.001	0.18	0.339	0.925	1.075	0.87	44.80
798	0.001	0.10	0.384	0.435	1.545	1.02	7.06
DSTN	0.001	0.21	0.286	0.625	1.215	0.60	39.90
ST3 OREAS 47	0.000 ✓	0.03 ✓	0.192 ✓	2.900 ✓	0.072	2.42 ✓	29.20
TST1 = 522	0.001	0.13 0.14	0.215	0.462	1.265	0.71	14.25
TST2 = 525	0.001	0.16 0.18	0.171	0.384	1.015	0.52	21.00
TST3 = 561	0.000	0.20 ✓	0.236	0.534	1.215	0.72	54.20
TST4 = 595	0.000	0.22 0.25	0.224	0.406	1.240	0.77	81.30
TST5 = 640	0.000	0.14 0.09	0.358	0.578	1.625	1.16	43.80
157 blank MB	0.001	0.15	0.039	0.390	1.145	0.06	77.30
8069 K4%T 125-250	0.000	0.09	0.395	1.110 4.8 NA	0.645	0.98	32.60
8074 SHAFTTEST KB 125-250	0.000	0.11 0.14	0.435	2.650 10.9 NA	0.672	2.94	40.00

Sample Description	VA21141376 ME-MS41L Ta ppm	VA21141376 ME-MS41L Te ppm	VA21141376 ME-MS41L Th ppm	VA21141376 ME-MS41L Ti %	VA21141376 ME-MS41L Tl ppm	VA21141376 ME-MS41L U ppm	VA21141376 ME-MS41L V ppm
156 blank MT	<0.005	0.004	0.204	0.004	0.008	0.138	2.2
704	<0.005	0.018	0.639	0.019	0.055	0.757	10.7
711	0.005	0.021	0.835	0.034	0.087	1.095	19.4
728 clayey	0.005	0.037	1.800 10 NA	0.050	0.123	3.710 3.62 NA	40.5
756	<0.005	0.010	0.053	0.002	0.033	0.044	1.7
757	<0.005	0.025	0.938	0.034	0.078	0.580	18.6
758	<0.005	0.028	0.869	0.041	0.067	0.319	22.9
761	<0.005	0.012	0.106	0.003	0.046	0.052	2.3
762 M at 85 cm	0.007	0.006	0.577	0.006	0.015	0.460	5.2
764	<0.005	0.015	0.088	0.002	0.031	0.046	2.1
767	<0.005	0.017	0.393	0.012	0.049	0.199	6.5
768	<0.005	0.025	0.360	0.021	0.069	0.135	11.2
770	<0.005	0.013	0.100	0.002	0.043	0.060	2.0
772	<0.005	0.010	0.050	0.002	0.050	0.035	1.8
773 MT 50% T	0.005	0.009	2.270	0.038	0.061	1.610	17.7
774	<0.005	0.010	0.058	0.002	0.045	0.037	1.6
776	<0.005	0.016	0.093	0.002	0.065	0.059	2.2
783	<0.005	0.018	0.599	0.024	0.045	0.212	13.3
784	<0.005	0.018	0.483	0.011	0.032	0.251	5.4
785	<0.005	0.020	0.332	0.010	0.037	0.136	5.9
786	<0.005	0.017	0.637	0.017	0.051	0.390	9.4
790	<0.005	0.023	0.498	0.016	0.053	0.353	7.8
798	<0.005	0.021	0.076	0.003	0.041	0.049	2.2
DSTN	<0.005	0.020	0.347	0.006	0.043	0.865	4.4
ST3 OREAS 47	<0.005	0.012	3.130 ✓	0.076 ✓	0.069 ✓	0.412 ✓	22.6 ✓
TST1 = 522	<0.005	0.008	0.151	0.003	0.057	0.057	2.3
TST2 = 525	<0.005	0.012	0.063	0.002	0.034	0.040	1.8
TST3 = 561	<0.005	0.018	0.187	0.005	0.053	0.246	3.7
TST4 = 595	<0.005	0.020	0.102	0.003	0.039	0.117	3.1
TST5 = 640	<0.005	0.024	0.116	0.004	0.024	0.075	3.2
157 blank MT	<0.005	0.004	0.212	0.004	0.007	0.127	3.4
8069 K 4% T 125-250	<0.005	0.033	0.252	0.035	0.074	0.270	19.7
8074 SHAFT TEST K@ 125-250	<0.005	0.055	0.183	0.013	0.045	0.133	23.0 ✓

Sample Description		VA21141376 ME-MS41L W ppm	VA21141376 ME-MS41L Y ppm	VA21141376 ME-MS41L Zn ppm NA	VA21141376 ME-MS41L Zn ppm VEG44	VA21141376 ME-MS41L Zr ppm
156	blank MΘ	0.014	0.760	2.4		0.53
704		0.076	2.840	123 134.5		2.76
711		0.110	5.270	123 124.5		2.62
728	clayey	0.206	12.250	103 76.0		3.33
756		0.108	0.314	88 93.4		0.23
757		0.107	4.130	181 152.5		3.37
758		0.164	3.020	147 161.5		2.17
761		0.097	0.475	104 85.8		0.39
762	M at 85 cm	0.020	2.850	Θ 12.1		4.35
764		0.118	0.362	99 82.7		0.29
767		0.080	3.090	216 218.0		1.85
768		0.145	1.065	173 205.0		1.14
770		0.077	0.382	115 109.0		0.36
772		0.129	0.304	100 94.8		0.26
773	MT 50% T	0.082	7.860	17 40.2		4.35
774		0.107	0.308	73 65.2		0.29
776		0.095	0.411	203 215.0		0.36
783		0.087	2.230	214 225.0		2.12
784		0.102	1.770	13 72.9		1.74
785		0.104	1.020	164 175.5		1.38
786		0.082	3.210	157 139.0		3.28
790		0.094	1.820	116 148.5		2.11
798		0.129	0.373	56 59.8		0.23
DSTN		0.062	1.705	59 103.0		1.91
ST3	OREAS 47	0.110 ✓	5.260 ✓	196.5 ✓		6.07 ✓
TST1 = 522		0.394	0.400	80 96.9	96	0.33
TST2 = 525		0.093	0.288	84 91.3	88	0.26
TST3 = 561		0.102	1.365	214 225.0	189	0.84
TST4 = 595		0.156	0.757	284 287.0	276	0.52
TST5 = 640		0.716	0.611	119 106.0	65	0.44
157	blank MΘ	0.010	0.915	3.0		0.73
8069	K4XT 125-250	0.322	2.950	152 184.0		0.54
8074	SHAFTTEST KΘ, 125-250	0.459	1.385	✓ 256.0		0.37

LOG of work done by H. DAXL in Stock Township Claims

2020

*	24 AUG	Sampled 701 - 708
	25 "	Dry, plot, plan, clean samples, label envelopes, etc
*	28 "	Sampled 709 - 715
	30 "	Dry, plot, plan, prep, etc.
	31 "	Sieving
*	1 SEP	Sampled 716 - 721
	3 "	Drying, plot, etc.
	6 "	Sieving
*	20 "	Sampled 722 - 727
	21 "	Drying, plot, plan, etc.
*	23 "	Sampled 728 - 733
	25 "	Drying, etc.
*	26 "	Sampled 734 - 740
	27 "	Drying, plot, plan, etc.
	3 OCT	Sieving
	16 "	Select + fill sealvials, lab order, ship. ALS
	20 NOV.	Filled vials, lab order, ship

2021

*	12 APR.	Sampled 751 - 759
	13 "	Dry, plot, plan, etc.
*	18 "	Sampled 760 - 766
	19 "	Dry plot, plan, etc.
	23 "	Sieve
	26 "	"
*	28 "	Sampled 767 - 776
	29 "	Dry, plot, plan, etc
	2 MAY	Sieve
	3 "	Fill vials, sieve.
	4 "	Lab order, pack, ship.
*	12 "	Sampled 783 - 787
*	14 "	" 788 - 792
	15 "	Dry samples, etc.

Page 2 – 2021 LOG of work by H. DAXL

*	16 MAY	Sampled 793 – 798
	17 "	Dry samples, etc.
	20 "	Sieve samples
	21 "	" finish Sample plot maps.
	28 "	Fill vials, weigh, lot order, pack, ship to ACTLABS
	29 "	Select samples, lot order, ALS
	30 "	Fill sachets, weigh, pack.

38 days = * 12 field work + 26 sample prep + ship + lot corresp.

31 MAY	Type list of UTM, ship lost samples, make traverse map.
4 JULY	Make maps of gold and zinc.

2022

21	JAN	Annotate, study results + copies. ACTL. 15394
22	"	" " " " ACTL. 8073
25	"	" " " " ACTL. 9900
26	"	" " " " ALS 1009
27	"	" " " " ALS 1376
28	"	Study OGS Map, copper map, chromium, clay influence.
1	FEB	Study silver and make mercury map
2	"	Write report
3	"	" "
4	"	Scan, copy, finalize, proofread, report.

12 days for REPORT

50 days TOTAL

Assessment work SUM – Stack – H. DAXL, 4 Feb 2022:

Prospecting	Grassroots				
		24.8.2020 – 16.5.2021	12 days x 350	$ 4,200 *	
Sampling	Beneficiation				
		25.8.2020 – 30.5.2021	26 days x 400	$ 10,400	
			excl. HST		
Assays	ACTLABS	1277	43 Analyses		
		934	31 – " –		
		663	22 – " –		
	ALS Can.	542	16 – " –		
		1524	33 – " –		
		$ 4,940 – 145 Analyses x $ 34	22.11.2020 – 28.6.2021	$ 4,940	
Personnel	Transp.	12 x 120 Km x 0.50	24.8.2020 – 16.5.2021	$ 720	
Ship	Samples	20.11.2020 x 31.5.2021	14.07 + 12,70 14.07 + 38,16	$ 79	
Supplies		24.8.2020 – 4.2.2022	1 lot	$ 61	
Report / Maps		31.5.2021 – 4.2.2022	12 days x 400	$ 4800	
			TOTAL	$ 25,200	

* Please double Prospecting – 4200 x 2 = 8400