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Extensive Gold Anomaly

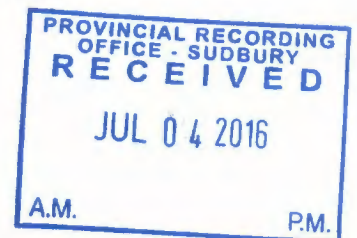
in

2-56984

Decayed Vegetation

on

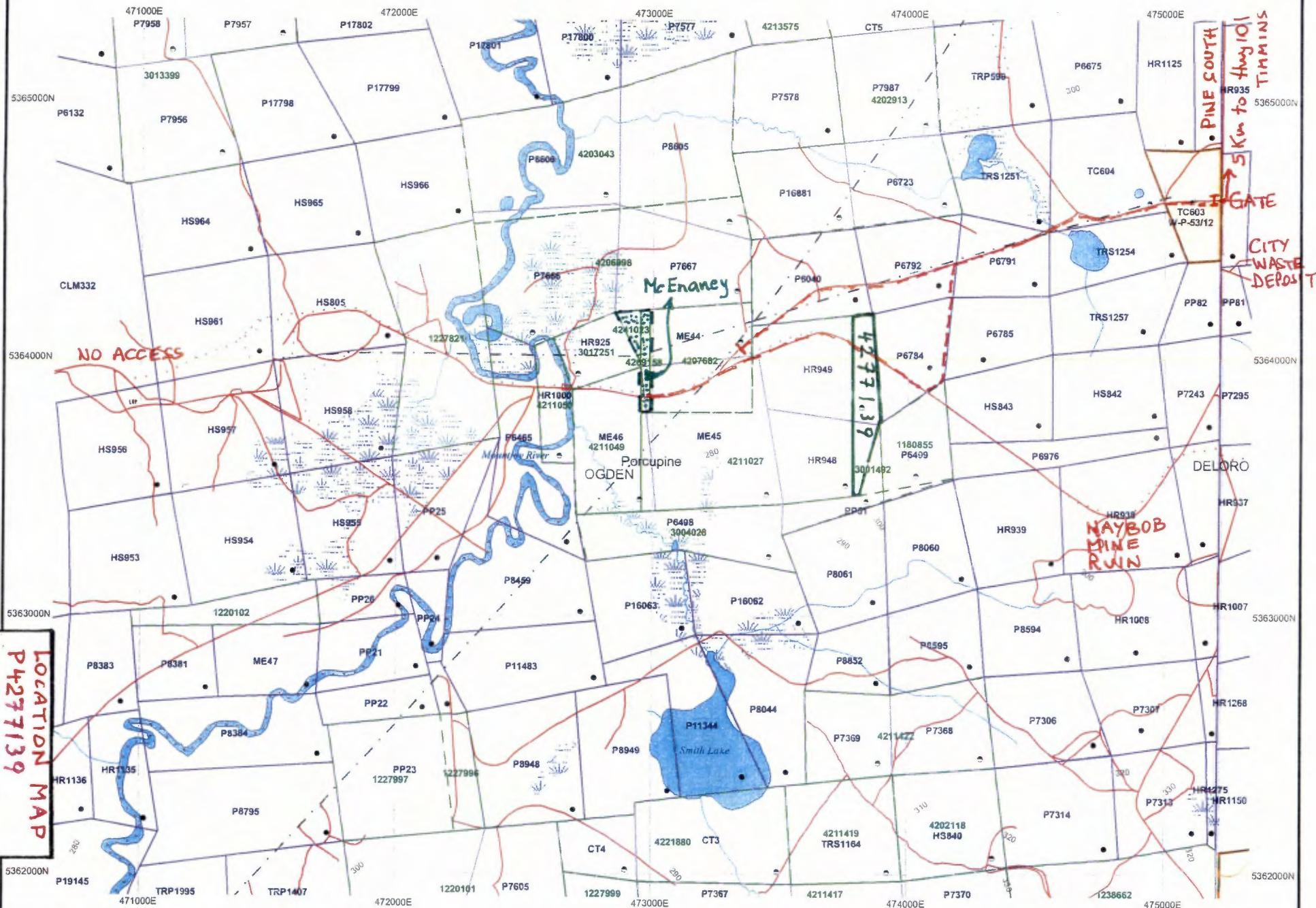
Claim P 4277139, Ogden Township, Ontario



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

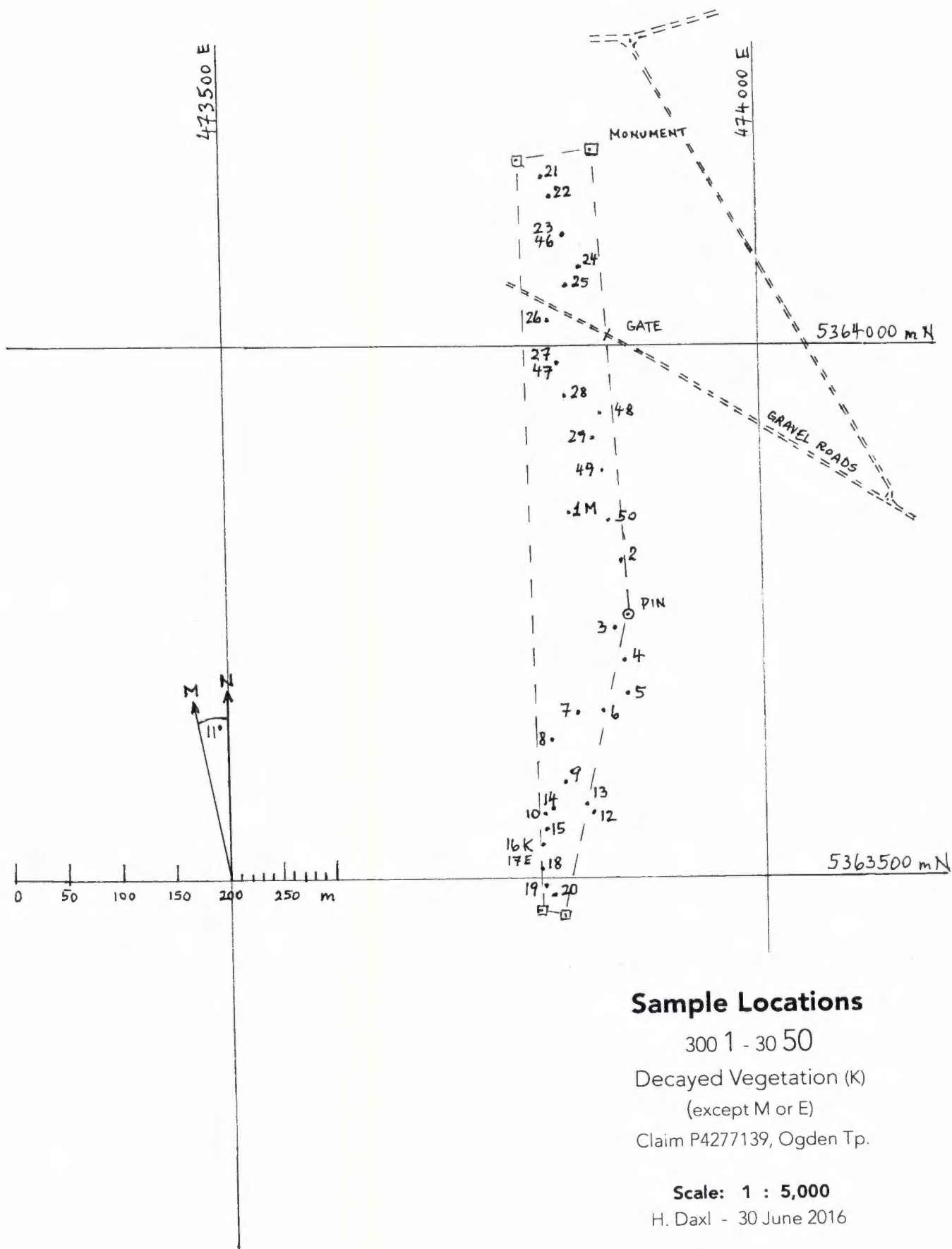
30 June 2016

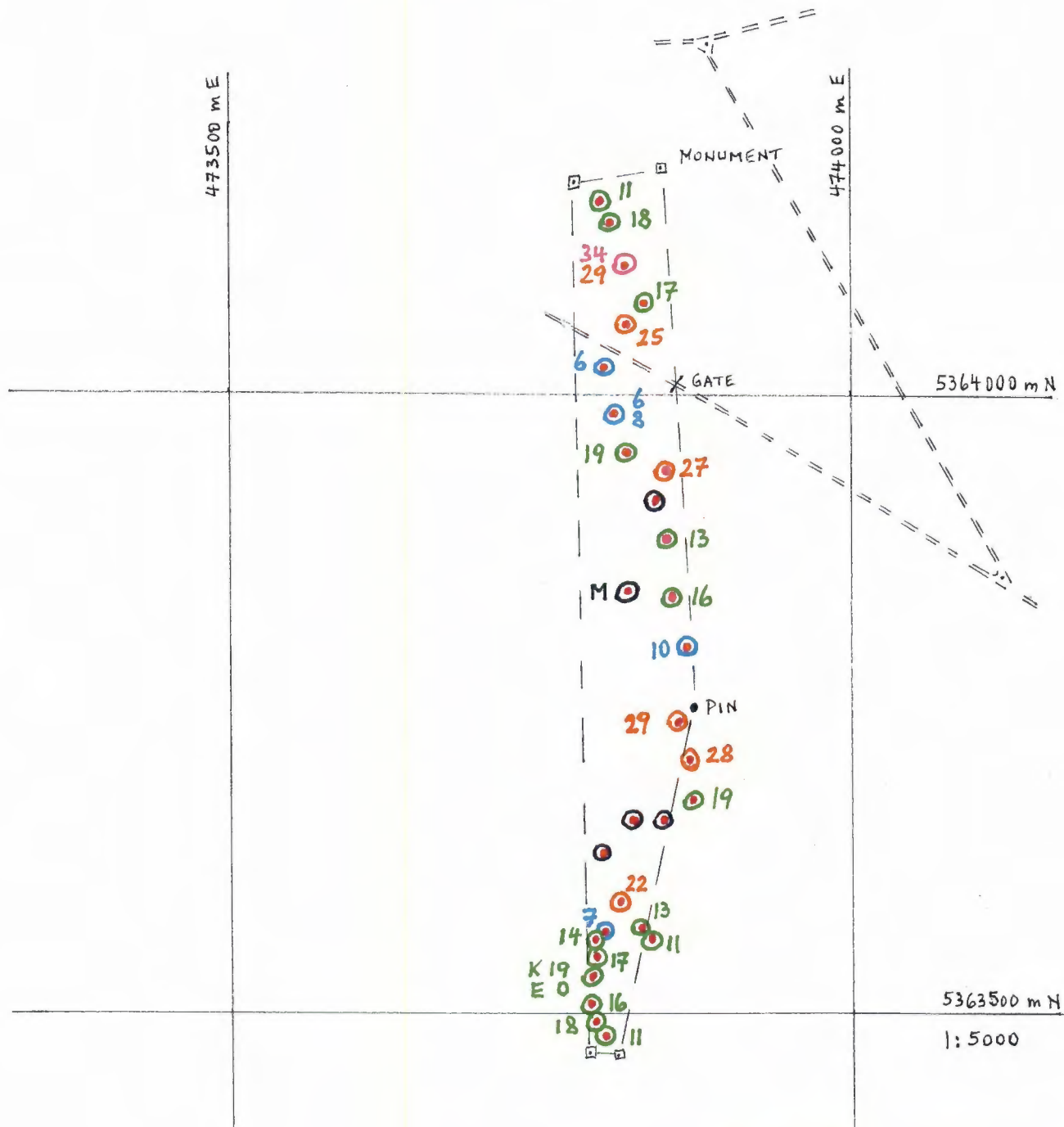
LOCATION MAP
P4277139
OGDEN TWP.



UTM Zone 17
1000m grid
NAD 83

1:20,000





Legend:

- < 0.1 ppb
- 1 - 9 "
- 10 - 19 "
- 20 - 29 "
- 30 > ppb

GOLD in ppb

Decayed Vegetation (K)
(except M or E)
Claim P4277139, Ogden Tp.

Scale: 1 : 5,000

H. Daxl - 30 June 2016

Introduction

An extensive gold anomaly covering my whole claim P4277139 in the northeast of Ogden Township has been proven in the top-most soil horizon from 0 - 6 cm depth, which usually consists of decaying leaves, needles or moss; rootlets, encrustations or mold, and does not include any black muck of total decay, nor sand to clay which I had to remove here. My claim lies on a gold trend and was also ideal for testing the method which has been taught in the Minex Program of Queen's University as the only soil method that works for gold. Having tried it and all other soil horizons around Timmins for 10 years, I fully agree.

I collected 26 samples of such decayed vegetation (K), 1 of black swamp muck from 90 cm depth (3001), and 1 of the enriched B-horizon in poorly sorted sand (3017), from 25 to 30 September 2015, and 5 more K (3046 - 50) on 12 December 2015 (no snow). I dried and sieved them, and filled the vials myself, and had them analyzed by Actlabs with neutron activation for gold, and nine with ICP-aqua regia for base metals.

The claim is variably wooded with only about 10 cm humus, on sand in the north, on local black muck in the center, but on silt to clay or rock in the south. The overburden profile seems to make no difference, as neither glacial lake deposits, nor their iron-enriched soil horizon, nor black muck contain or scavenge gold. However, base metals get variably enriched in black muck as well as in decayed vegetation. Elements seem to be taken up by deep roots and accumulate with leaves while they decay on fairly dry ground. A gold-bearing vein would therefore cause a wide gold halo, however, the repeatable 1 ppm Au (1 g/t) of sample 3034 directly above a vein at McEnaney would have to be from direct migration to surface.

Poor gravel and sand roads lead from Pine Street South, at 200 m north of the Timmins Waste Deposit south of Timmins, westward for 1400 m close to the northern boundary of my claim. The City of Timmins owns the surface rights. I hold two more claims around the McEnaney capped shaft about 900 m further WSW, where I continued such soil sampling with even better results, but where prior sampling of the enriched B-horizon in 2009-2010 failed (T-6108, 2.45888).

Please refer to the attached maps for location, sample locations and their gold values, as well as the lab certificates with annotations.

Sample Collection

Decayed organic matter from 0 to 6 cm depth is the only reliable medium of soil sampling for gold in such boreal forest. After brushing aside the loose debris, a handful of decayed leaves including rootlets and mold is grabbed with a gardening claw from each of several spots over less than 30m. This can be pushed into a 1-L plastic bag. Higher drier spots should be preferred and sand or black muck content avoided. A hypothesis to follow may be, that ions of gold would migrate to surface, if not carried sideways by moving water. They would either be taken up by roots and then end up in leaves, or collect were the water evaporates. Therefore gold would accumulate in this decayed horizon.

As per tests, and samples 3016 versus 3017, the orange-red enriched B-horizon in the underlying sand does not seem to collect gold nor other elements. Its iron seems to come merely from the minerals in the overlying sand leached by humic acid from above. This has often been confirmed by much higher gold or basemetal values in the decayed horizon and still higher basemetal values in swamp muck. The enriched B-horizon is therefore not useful, also not because of the high and variable dilution by such sand ballast.

Lumber cutting for nearby mining operations over a century resulted in much sand, silt or clay mixed with the merely 8 to 15 cm thick humus resting on such glacio-lacustrine deposits, ranging from beach sand on the hills to clay at lower elevations. The lack of mafic minerals and of magnetite indicates that the detritus stems from a transgressive sequence of eskers, however, it cannot be ruled out that gold-bearing quartz from the local hills has been incorporated, although seldom and in minor quantities. To prevent dilution and such contamination the detritus was eliminated from the decay samples by dry swirling and skimming off the organics for analysis. However, panning of this detritus and four separate analyses (3017, 3035 - 3037) revealed no such gold.

Sample Preparation and Analyses

The samples are air dried on paper towels over 48 hours, whereby the towels are changed several times. The dry samples are put into large Kraft envelopes left open for further drying in the sun. Insects or worms are rare.

After manual removal of local mud-balls, silt-balls, charcoal, and excessive sand by shaking, the sample is pounded with a glass bottle in a white glass bowl, then rubbed between fingers to release the very fine dust. Sieving minus 250 micron allows to estimate the sand or silt content. Dry swirling of the sievings horizontally in a green plastic gold pan with a flat bottom and smooth sides easily brings the organics to the top and center like scum, whereas the clean sand and silt spreads out over the whole bottom. Manoeuvring the organics to the side allows skimming them off with a round and flexible sheet of plastic onto the side of the pan and out onto a sheet of paper, with which they are rolled and overlapped until homogenized. This usually results in 5 - 10 cm³ of > 90%-pure organics, of which 2 - 4 g can be pressed into a medium-sized vial (7 cm³) and sent to Actlabs for instrumental neutron activation analysis (INNA) - Vegetation Code 2B, with a special 40-50 minute irradiation time, for vials instead of briquettes.

Three left-over sand-silt fractions (3035 - 3037) were also sent for INNA to test for sparse gold particles or gold-bearing quartz among the detritus, which if not removed could contaminate the organics, with a rare possibility to be from local outcrops or regional. INNA shows total gold and is not dependent on dissolution or particle size. The absence of gold in these fractions made anomalies still more reliable, even if some organic fractions still contained 10 - 20% of such detritus, as can be judged by the net weight of the aliquots (Mass g). Despite this minor dilution, anomalies are still quite evident. Even so, an absence of anomaly does not prove the absence of a deposit, especially not with this clay on bedrock, whereas a group of anomalies is more certainly due to a deposit. Fine panning of many left-over sand-silt fractions also revealed no gold.

The washed and scrubbed 125-250 um fraction (3037) of the orange-brown enriched B-horizon of subrounded poorly sorted sand (3017) from 20-40 cm depth had no gold, but was 1% magnetite, 5% mafics, 9% clear quartz, 20% white quartz, 30% white feldspar, 35% pink feldspar, and no mica nor calcite (no fizz). Sample 3017 sieved to <125 um, containing no organics but including all fines, with <0.1 ppb gold, further proves that the glacio-lacustrine sand contains no gold that could have contaminated the overlying anomalous decayed horizon 3016 of 19.2 ppb Au. This 6 cm thick decayed horizon rests on 15 cm white leached sand, which overlies the enriched sand down to bedrock at 50 cm.

Of special interest is analysis 3035 of the 90% sand-silt <125 um fraction left-over after skimming off the richest sample 3023 (33.6 ppb Au), because it would include also the finest gold that could have rubbed off from the organics 3023. However, the 2.8 ppb Au can be attributed to the 10% organics still contained in that fraction 3035. The washed 125-250 fraction (3036) of this left-over sand-silt had no gold.

Anomalies

28 of the 31 samples of decayed vegetation have anomalous gold values of 6 to 34 ppb Au. The 3 reruns, 2 field duplicates, 2 standards, and 1 lab blank agreed. Four barren sand and silt samples rule out detrital contamination. The consistent values are construed to be from several deep sources of gold probably extending beyond my claim, but gold-bearing quartz veins could also occur under shallow overburden between the widely-spaced samples, where then much higher values would be expected, as tested several times with sample 3034 near the McEnaney shaft. There is room for infill samples.

The nine samples analyzed by ICP-aqua regia for base metals show no other anomaly. That method is not suitable for gold partly because of the small aliquots of only 0.5 g, yet its gold values agree vaguely with neutron activation.

Beep Mat

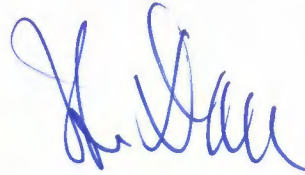
To take advantage of the thin overburden in the south, I scanned it with the Beep Mat but did not find any conductors. However, adjacent SW of sample 3024 over a 35 x 15 m NW - SE flat area lots of tin cans and glass bottles are strewn and long covered by 10 cm humus.

Conclusions and Recommendations

As tested on several gold zones around Timmins, analyses of decayed vegetation reflect gold in the rock below, whereas other soil horizons failed also here. My claim P4277139 thus lies within a gold trend. Also there is still room for infill sampling.

Respectfully submitted,

30 June 2016



Hermann Daxl, M.Sc.Minex, Claim Holder

Quality Analysis ...



Innovative Technologies

Date Submitted: 05-Nov-15
Invoice No.: A15-09546 (i)
Invoice Date: 15-Dec-15
Your Reference: OGD-EAST-K

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

ATTN: Hermann Daxl

CERTIFICATE OF ANALYSIS

40 Vial samples were submitted for analysis. *Compacted be me in mad. (7cm³) vials. See mass in gram.*

The following analytical package was requested Code 2B-~~15g~~ Vegetation INAA(INAAGEO) - *double irradiation to a total 40~50 minutes time.*

REPORT **A15-09546 (i)**

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Notes:

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "Emmanuel Esemé".

Emmanuel Esemé , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.

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E-MAIL ancaster@actlabsint.com ACTLABS GROUP WEBSITE <http://www.actlabsint.com>

Else decayed top horizon (K) sieved < 250 μm

Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hg	Hf	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	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	0.05	1	2	1	0.005	0.01	0.1
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
3001 Mat 90cm	<0.1	<0.3	6.44	92	31.90	3.54	2.2	9.7	<0.05	0.401	<0.05	<0.05	<0.1	0.30	509	<2	<1	0.142	1.15	<0.1
3002	10.4	<0.3	4.51	<5	14.60	<0.01	2.9	15.9	<0.05	0.348	1.04	<0.05	<0.1	<0.05	897	<2	<1	0.619	1.06	<0.1
3003	29.4	<0.3	6.47	<5	14.10	<0.01	4.6	10.2	<0.05	0.462	<0.05	<0.05	<0.1	<0.05	1360	<2	<1	0.900	1.67	<0.1
3004	27.7	<0.3	2.30	254	9.32	1.29	3.4	20.3	<0.05	0.517	<0.05	2.49	<0.1	<0.05	6930	<2	<1	0.709	2.30	<0.1
3005	19.3 ✓	<0.3	3.58	174	12.00	1.60	2.4	10.6	<0.05	0.392	<0.05	0.89	<0.1	<0.05	2560	<2	<1	0.862	1.41	<0.1
3006	<0.1	<0.3	3.93	260	7.24	3.09	9.3	43.9	1.99	1.660	<0.05	3.46	<0.1	<0.05	6630	<2	61	0.596	5.08	<0.1
3007	<0.1	<0.3	3.20	295	6.31	<0.01	7.2	43.0	1.43	1.430	<0.05	4.98	<0.1	<0.05	9750	<2	100	0.208	5.52	<0.1
3008	<0.1	<0.3	2.37	318	5.55	<0.01	7.7	53.2	1.74	1.780	<0.05	5.54	<0.1	0.27	10500	<2	84	0.304	6.47	<0.1
3009	22.2	<0.3	2.62	291	6.56	0.37	10.1	55.3	4.24	1.760	<0.05	6.64	<0.1	<0.05	10300	<2	46	0.318	6.82	<0.1
3010	13.8	<0.3	1.74	276	5.42	<0.01	8.0	36.5	1.91	1.110	<0.05	5.76	<0.1	<0.05	9650	<2	76	0.360	4.68	<0.1
3011	10.1	<0.3	2.52	282	5.68	<0.01	2.4	33.9	1.46	0.750	<0.05	4.26	<0.1	<0.05	10500	<2	<1	0.474	3.71	<0.1
3012	11.0	<0.3	0.59	315	5.83	<0.01	3.3	38.1	<0.05	0.647	<0.05	4.16	<0.1	<0.05	12200	<2	45	0.482	3.39	<0.1
3013	12.9	<0.3	1.48	307	5.07	<0.01	4.3	29.9	<0.05	0.795	<0.05	3.60	<0.1	0.14	9970	<2	<1	0.137	3.17	<0.1
3014	7.3	<0.3	0.70	241	4.53	<0.01	3.8	26.0	0.95	0.569	<0.05	3.13	<0.1	<0.05	10800	<2	35	0.232	2.91	<0.1
3015	17.0	<0.3	2.24	291	5.84	<0.01	5.3	33.3	1.78	0.661	<0.05	2.56	<0.1	<0.05	8630	<2	24	0.541	2.98	<0.1
3016 K < 250	19.2	<0.3	0.85	250	2.99	<0.01	4.0	31.3	1.54	0.690	<0.05	2.44	<0.1	<0.05	8490	<2	52	0.459	3.34	<0.1
3017 E at 30cm	<0.1	<0.3	4.40	318	8.11	1.05	17.8	95.5	<0.05	4.050	<0.05	9.79	<0.1	<0.05	14200	<2	61	<0.005	8.15	<0.1
3018	16.0	<0.3	1.49	244	5.89	1.26	6.6	36.4	2.18	0.826	<0.05	2.84	<0.1	<0.05	9480	<2	<1	0.332	3.32	<0.1
3019	18.4	<0.3	3.03	233	8.47	0.68	5.6	22.2	<0.05	0.521	<0.05	2.17	<0.1	<0.05	4640	<2	25	1.350	2.34	<0.1
3020	11.0	<0.3	1.59	216	6.21	0.38	3.6	30.9	1.83	0.536	<0.05	2.42	<0.1	<0.05	6780	<2	35	3.100	2.97	<0.1
3021	10.6	<0.3	0.90	185	6.21	1.29	<0.1	15.2	<0.05	0.429	<0.05	3.23	<0.1	<0.05	8640	<2	<1	0.325	2.12	<0.1
3022	17.8	<0.3	4.42	251	7.33	<0.01	5.6	28.4	2.21	0.585	<0.05	4.63	<0.1	<0.05	8890	<2	41	0.677	3.16	<0.1
3023	33.6	<0.3	1.25	218	5.30	0.54	5.3	23.3	<0.05	0.490	<0.05	2.33	<0.1	<0.05	11900	<2	45	0.594	2.48	<0.1
3024	16.5	<0.3	3.52	166	5.89	<0.01	2.9	22.8	<0.05	0.376	<0.05	1.05	<0.1	<0.05	9930	<2	<1	0.537	2.14	<0.1
3025	25.1	<0.3	13.90	151	6.56	<0.01	2.8	27.6	<0.05	0.518	<0.05	1.54	<0.1	<0.05	7320	<2	39	0.415	2.05	<0.1
3026	5.9	<0.3	10.30	213	5.95	<0.01	5.9	55.8	<0.05	1.110	<0.05	2.17	<0.1	<0.05	9710	<2	56	0.758	3.17	<0.1
3027	6.2	<0.3	2.74	210	6.51	<0.01	2.7	9.4	0.66	0.309	<0.05	0.73	<0.1	<0.05	6890	<2	39	0.497	1.41	<0.1
3028	18.6 ✓	<0.3	30.20	366	14.30	<0.01	8.5	35.9	<0.05	1.960	<0.05	1.04	<0.1	0.22	7800	<2	<1	0.576	4.68	<0.1
3029	<0.1	<0.3	3.80	<5	10.90	<0.01	2.9	7.0	<0.05	0.284	<0.05	<0.05	<0.1	<0.05	971	<2	<1	0.433	1.04	<0.1
3030 DREAS 45P	38.4 ✓	<0.3	10.80	312	11.10	<0.01	113.0	1040.0	<0.05	17.900	<0.05	7.73	<0.1	<0.05	720	384	<1	0.803	63.30	<0.1

Else decayed top horizon (K) sieved <250 μ m

Analyte Symbol	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	g	
Detection Limit	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	
3001 M at 90cm	<100	<0.05	0.4	0.70	<0.05	<2	3.64	6.9	<0.3	0.396	<0.05	<0.1	<0.001	<0.005	2.29	- black swamp muck < 250 μ m part from 90 cm depth.
3002	<100	<0.05	0.3	<0.01	<0.05	75	2.90	8.2	<0.3	0.256	<0.05	<0.1	<0.001	<0.005	2.23	
3003	<100	<0.05	0.8	<0.01	<0.05	242	4.01	12.8	<0.3	0.355	<0.05	<0.1	<0.001	<0.005	1.87	
3004	<100	<0.05	2.0	<0.01	<0.05	108	6.94	11.2	<0.3	0.756	<0.05	<0.1	0.034	0.334	3.03	
3005	<100	<0.05	0.9	<0.01	<0.05	131	4.13	8.6	<0.3	0.448	<0.05	<0.1	0.005	0.160	2.71	
3006	<100	<0.05	3.7	1.25	<0.05	156	17.40	26.6	<0.3	1.790	0.23	<0.1	0.121	0.703	4.05	
3007	<100	<0.05	3.5	0.56	<0.05	112	17.50	26.6	9.8	1.960	0.28	<0.1	0.111	0.792	4.80	
3008	<100	<0.05	5.0	0.58	<0.05	70	21.70	34.0	14.4	2.510	0.45	<0.1	0.080	1.010	4.80	
3009	<100	<0.05	4.4	0.46	<0.05	<2	22.80	34.6	14.2	2.490	0.29	<0.1	0.102	1.020	3.99	
3010	<100	<0.05	3.2	<0.01	<0.05	<2	16.40	22.3	<0.3	1.780	0.39	<0.1	0.090	1.040	3.63	
3011	<100	<0.05	2.0	<0.01	<0.05	<2	9.79	14.0	<0.3	1.240	<0.05	<0.1	0.104	0.381	3.38	
3012	<100	<0.05	2.4	<0.01	<0.05	124	11.60	18.0	12.6	1.260	<0.05	<0.1	0.113	0.842	3.84	
3013	<100	<0.05	1.7	<0.01	<0.05	86	8.36	15.4	<0.3	1.040	<0.05	<0.1	0.031	0.545	3.86	
3014	<100	<0.05	2.0	0.35	<0.05	126	9.42	19.4	5.4	1.050	<0.05	<0.1	0.108	0.353	3.38	
3015	<100	<0.05	2.1	<0.01	<0.05	142	8.71	16.3	<0.3	1.010	0.10	<0.1	0.101	0.538	2.83	
3016 K <250	<100	<0.05	2.0	<0.01	<0.05	154	7.45	14.8	<0.3	1.090	0.20	<0.1	0.048	0.471	3.52	- Usual K <250 μ m part, 0-6 cm.
3017 E at 30cm	<100	<0.05	7.3	0.76	<0.05	<2	24.30	49.4	9.6	3.380	0.45	<0.1	0.140	1.960	7.52	- Enriched horizon 20-40 cm depth in poorly sorted sand, <125 μ m part.
3018	<100	<0.05	1.4	<0.01	<0.05	<2	7.43	16.5	<0.3	1.130	<0.05	<0.1	0.068	0.485	3.16	
3019	<100	<0.05	1.6	<0.01	<0.05	74	5.55	8.8	<0.3	0.781	<0.05	<0.1	0.051	0.184	2.40	
3020	<100	<0.05	1.4	<0.01	<0.05	79	5.77	19.2	<0.3	0.821	<0.05	<0.1	0.039	0.473	2.44	
3021	<100	<0.05	2.0	<0.01	<0.05	<2	7.34	8.2	<0.3	0.937	<0.05	<0.1	<0.001	0.212	2.93	
3022	<100	<0.05	2.5	<0.01	<0.05	65	9.34	17.5	<0.3	1.160	<0.05	<0.1	0.066	0.753	2.92	
3023	<100	<0.05	2.0	0.60	<0.05	187	7.82	16.7	<0.3	0.926	<0.05	<0.1	0.084	0.507	2.80	
3024	<100	<0.05	1.1	<0.01	<0.05	<2	5.86	11.3	<0.3	0.742	<0.05	<0.1	0.080	0.388	2.68	
3025	<100	<0.05	1.4	<0.01	<0.05	103	5.71	11.7	<0.3	0.740	<0.05	<0.1	0.012	0.508	2.61	
3026	<100	<0.05	1.6	<0.01	<0.05	68	7.08	12.3	<0.3	1.000	<0.05	<0.1	0.137	0.443	3.46	
3027	<100	<0.05	0.9	<0.01	<0.05	44	3.15	6.3	<0.3	0.488	<0.05	<0.1	<0.001	0.149	3.59	
3028	<100	<0.05	3.8	3.76	<0.05	<2	18.80	28.4	16.3	2.550	0.48	<0.1	0.241	0.895	3.31	
3029	<100	<0.05	0.9	<0.01	<0.05	73	3.28	8.7	<0.3	0.529	<0.05	<0.1	0.060	<0.005	2.23	
3030 OREAS 45P	<100	<0.05	8.3	2.32	<0.05	126	24.20	47.8	14.6	4.220	0.66	<0.1	0.190	2.320	7.79	- standard

ALL NON-RADIOACTIVE

QUALITY CONTROL

Activation Laboratories Ltd.

Report: A15-09546 (I) rev 1

Quality Control																			
Analyte Symbol	Au	Ag	As	Bo	Br	Ca	Co	Cr	Cs ✓	Fe	Hg	Hf	Ir	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	0.05	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
LKSD-4 Meas	< 0.1	< 0.3	16.00	331	49.00		11.3	33.0	< 0.05	2.820		2.83		2.04		31.0	28.0	1.690	6.96
LKSD-4 Cert	2.00	0.200	16.00	330	49.00		11.0	33.0	1.70	2.800		2.80		2.00		31.0	28.0	1.700	7.00
Au 30ppb Meas	29.70								but reread							hint reread			
Au 30ppb Cert	30.00								✓										
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	< 0.05	< 1	< 2	< 1	< 0.005	< 0.01

Activation Laboratories Ltd.

Report: A15-09546 (I) rev 1

Quality Control															
Analyte Symbol	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	g
Detection Limit	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
LKSD-4 Meas	< 100	< 0.05	5.00	30.90	< 0.05	195	26.00	48.4	24.8	4.980	1.10	1.20	0.503	2.020	
LKSD-4 Cert	110	0.400	5.10	31.00	2.00	194	26.00	48.0	25.0	5.000	1.10	1.20	0.500	2.000	
Au 30ppb Meas		?													
Au 30ppb Cert															
Method Blank	< 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	10.0

Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hg	Hf	Ir	Mo	Na	Ni	Rb	Sb	Sc	Se
Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	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	0.05	1	2	1	0.005	0.01	0.1
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
3034 K/V-3.	1080.0	< 0.3	167.00	200	6.84	1.21	29.6	81.1	1.95	4.390	< 0.05	< 0.05	< 0.1	< 0.05	4450	< 2	53	0.337	22.50	< 0.1
3035 T of 3023	2.8	< 0.3	< 0.01	395	2.81	< 0.01	2.0	31.2	0.63	0.486	< 0.05	4.38	< 0.1	< 0.05	18400	< 2	49	0.119	2.89	< 0.1
3036 D of 3023	< 0.1	< 0.3	< 0.01	344	1.05	< 0.01	1.6	15.1	0.67	0.399	< 0.05	2.15	< 0.1	< 0.05	15500	< 2	48	< 0.005	2.23	< 0.1
3037 D of 3017	< 0.1	< 0.3	1.03	278	< 0.01	< 0.01	6.0	93.3	< 0.05	2.090	< 0.05	3.90	< 0.1	< 0.05	21500	< 2	< 1	< 0.005	8.40	< 0.1
3046	28.5	< 0.3	1.62	365	8.39	0.46	5.1	21.9	< 0.05	0.451	< 0.05	1.79	< 0.1	0.79	10200	< 2	< 1	1.190	2.32	< 0.1
3047	7.9	< 0.3	2.91	< 5	12.60	< 0.01	4.5	9.2	< 0.05	0.247	< 0.05	< 0.05	< 0.1	< 0.05	2680	< 2	< 1	1.330	1.11	< 0.1
3048	27.2	< 0.3	3.68	< 5	12.00	< 0.01	4.5	14.6	< 0.05	0.329	< 0.05	< 0.05	< 0.1	< 0.05	2200	< 2	< 1	1.520	1.50	< 0.1
3049	13.2	< 0.3	2.77	< 5	10.50	1.23	3.5	7.4	< 0.05	0.221	< 0.05	< 0.05	< 0.1	< 0.05	834	< 2	< 1	1.170	0.95	< 0.1
3050	16.2	< 0.3	3.11	< 5	14.00	2.23	6.4	6.8	< 0.05	0.210	< 0.05	< 0.05	< 0.1	< 0.05	708	< 2	< 1	1.420	0.90	< 0.1
3071 = 3005	18.0✓	< 0.3	3.78	< 5	13.30	1.37	3.4	10.3	< 0.05	0.268	< 0.05	0.44	< 0.1	0.77	2850	< 2	14	1.460	1.42	< 0.1
3072 = 3006	8.7 ^{vs}	< 0.3	5.22	471	9.72	3.07	9.9	41.4	1.94	1.780	< 0.05	2.89	< 0.1	< 0.05	7760	< 2	94	0.869	5.90	< 0.1
3073 = 3028	19.0✓	< 0.3	36.40	519	13.80	1.21	9.3	29.7	< 0.05	1.800	< 0.05	1.67	< 0.1	< 0.05	8680	< 2	20	0.815	4.75	< 0.1
3074 OREAS 42P	96.3✓	< 0.3	114.00	781	< 0.01	< 0.01	62.4	1220.0	< 0.05	8.600	< 0.05	6.46	< 0.1	8.03	1460	703	152	10.000	18.60	< 0.1

Else K < 250 μ m

Analyte Symbol	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	g
Detection Limit	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
3034	< 100	< 0.05	1.4	< 0.01	10.50	224	5.98	14.0	< 0.3	1.620	< 0.05	< 0.1	0.224	1.530	3.29 - K over rich vein, 3. RuB, same Au.
3035	< 100	< 0.05	2.2	0.54	< 0.05	32	10.70	18.5	6.0	1.130	< 0.05	< 0.1	0.076	0.519	7.17 - 90% sand-silt < 125 of 3023.
3036	< 100	< 0.05	1.0	< 0.01	< 0.05	< 2	5.34	8.1	2.3	0.583	0.20	< 0.1	0.053	0.445	10.20 - 100% washed 125-250 sand of 3023.
3037	< 100	< 0.05	3.9	< 0.01	< 0.05	< 2	17.90	26.8	11.0	2.470	0.39	< 0.1	0.109	1.090	10.40 - scrubbed 125-250 sand of 3017 (no coating)
3046	< 100	< 0.05	1.7	< 0.01	< 0.05	99	8.45	12.8	< 0.3	0.902	< 0.05	< 0.1	0.082	0.478	2.76
3047	< 100	< 0.05	0.4	< 0.01	< 0.05	222	2.87	4.9	< 0.3	0.342	< 0.05	< 0.1	0.007	< 0.005	2.03
3048	< 100	< 0.05	1.1	< 0.01	< 0.05	107	4.85	8.0	< 0.3	0.554	< 0.05	< 0.1	0.020	< 0.005	1.92
3049	< 100	< 0.05	0.8	< 0.01	< 0.05	143	2.92	6.4	< 0.3	0.377	< 0.05	< 0.1	0.009	< 0.005	2.16
3050	< 100	< 0.05	0.9	< 0.01	< 0.05	270	2.58	3.7	< 0.3	0.322	< 0.05	< 0.1	< 0.001	< 0.005	1.86
3071	< 100	< 0.05	0.9	< 0.01	< 0.05	184	3.04	6.1	< 0.3	0.506	< 0.05	< 0.1	< 0.001	< 0.005	2.41
3072	< 100	< 0.05	4.9	< 0.01	< 0.05	183	15.60	27.1	7.9	2.170	0.40	< 0.1	0.077	0.833	3.53
3073	< 100	< 0.05	3.7	2.45	< 0.05	< 2	17.10	24.8	12.5	2.460	0.41	< 0.1	0.200	1.010	3.59
3074	< 100	< 0.05	16.3	4.23	28.40	751	46.00	87.2	46.5	8.190	1.36	1.0	0.571	3.320	6.62 - standard

ALL NON-RADIOACTIVE



Date Submitted: 27-Nov-15
Invoice No.: A15-10424
Invoice Date: 11-Dec-15
Your Reference: OGD-FRP-UT2

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

ATTN: Hermann Daxl

CERTIFICATE OF ANALYSIS

10 sieved soils < 250 μ m (decayed top 1-6 cm horizon - except 3001)
~~16~~ Pulp samples were submitted for analysis.

The following analytical package was requested Code UT-2-0.5g Aqua Regia ICP-ICP/MS - Ultratrace 2
Aqua Regia
0.5 g aliquots

REPORT A15-10424

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

Notes:

Assays are recommended for values >10,000 for Cu and Au. The Au from AR-MS is only semi-quantitative. For accurate Au data, fire assay is recommended.

CERTIFIED BY :

Emmanuel Esemé, Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.

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Except 3001 all decayed vegetation (K)

Report: A15-10424

Ultratrace 2 - aqua regia - 0.5 g

VS. 2R1

Report: A15-10424

VS. 4.2

Sieved < 250 μ m,
Except 3001 all decayed vegetation (K)

Activation Laboratories Ltd.

Report: A15-10424

ultra trace 2 - aqua regia - 0.5 g only

Analyte Symbol	Sb	Te	Cs	Ba	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm
Detection Limit	0.02	0.02	0.02	0.5	0.5	0.01	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.01	0.02
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
3001 M at 90 cm	0.10	< 0.02	0.07	36.5	1.0	3.07	1.01	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.6	0.002	< 0.5	0.03	2.30	0.06
3002	0.09	< 0.02	0.17	32.3	0.8	2.74	0.68	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.3	< 0.001	4.2	0.12	21.90	0.24
3003	0.27	< 0.02	0.37	55.2	1.0	3.04	0.95	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.3	< 0.001	9.8	0.15	27.40	0.31
3007	0.17	0.03	0.87	85.9	9.9	22.30	8.07	1.4	0.2	0.1	0.2	< 0.1	< 0.1	< 0.05	0.2	< 0.001	0.9	0.11	18.50	0.23
3014	0.15	< 0.02	0.41	89.0	3.8	8.62	2.95	0.5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	10.1	0.05	13.90	0.18
3020	0.16	< 0.02	0.39	125.0	2.6	6.54	2.09	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	2.5	0.06	15.70	0.20
3023	0.12	< 0.02	0.36	65.7	3.5	7.96	2.69	0.4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.2	< 0.001	13.6	0.06	31.00	0.28
3027	0.14	< 0.02	0.20	65.2	1.3	4.05	1.10	0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	10.2	0.05	16.70	0.18
3029	0.04	< 0.02	0.23	56.2	1.7	4.22	1.52	0.3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.10	11.40	0.14
3030 OREAS 4SP	0.40	0.06	1.34	173.0	17.3	36.90	15.90	3.5	0.8	0.4	1.0	0.1	0.4	< 0.05	< 0.1	< 0.001	35.9	0.13	19.40	0.19

Activation Laboratories Ltd.

Report: A15-10424

Analyte Symbol	Th	U	Hg	
Unit Symbol	ppm	ppm	ppb	
Detection Limit	0.1	0.1	10	
Analysis Method	AR-MS	AR-MS	AR-MS	
3001 M at 90 cm	0.2	0.5	80	- Black swamp muck at 90 cm depth
3002	< 0.1	< 0.1	200	
3003	0.2	< 0.1	250	
3007	0.6	0.4	50	
3014	< 0.1	0.1	80	
3020	0.2	< 0.1	110	
3023	< 0.1	0.1	110	
3027	< 0.1	< 0.1	170	
3029	< 0.1	0.5	180	
3030 OREAS 4SP	7.7	1.3	30	- Standard

Report: A15-10424

●

WORK LOG - OGDEN EAST - CLAIM P4277139

2015

SEP 25 Collect 3001-3009, drying.
26 -" - 3010-3019 -" -
30 3021-3029 -" -
OCT 05 Sieving
08 -" -
13 Swirl, weigh, fill vials, sachets.
19 Write about sample prep
23 Ranning left-overs, plot samples.
NOV. 05 Deep Mat
DEC. 12 } Collect 3046-3050, drying
18 } Sieving, swirl, fill vials, pan leftovers.

2-56984

2016

JUN 19 Write report
" 20 -" -
" 23 -" -
" 24 -" -
" 25 -" -
" 26 -" -

