Ontario

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High Gold in Decayed Vegetation

in Whitney Township Center

(Along Hwy 101 at 16 km east of Timmins)

Ontario, Canada

Assessment Work on Boundary Mining Claims :

720200 - 204 and 746630 - 633

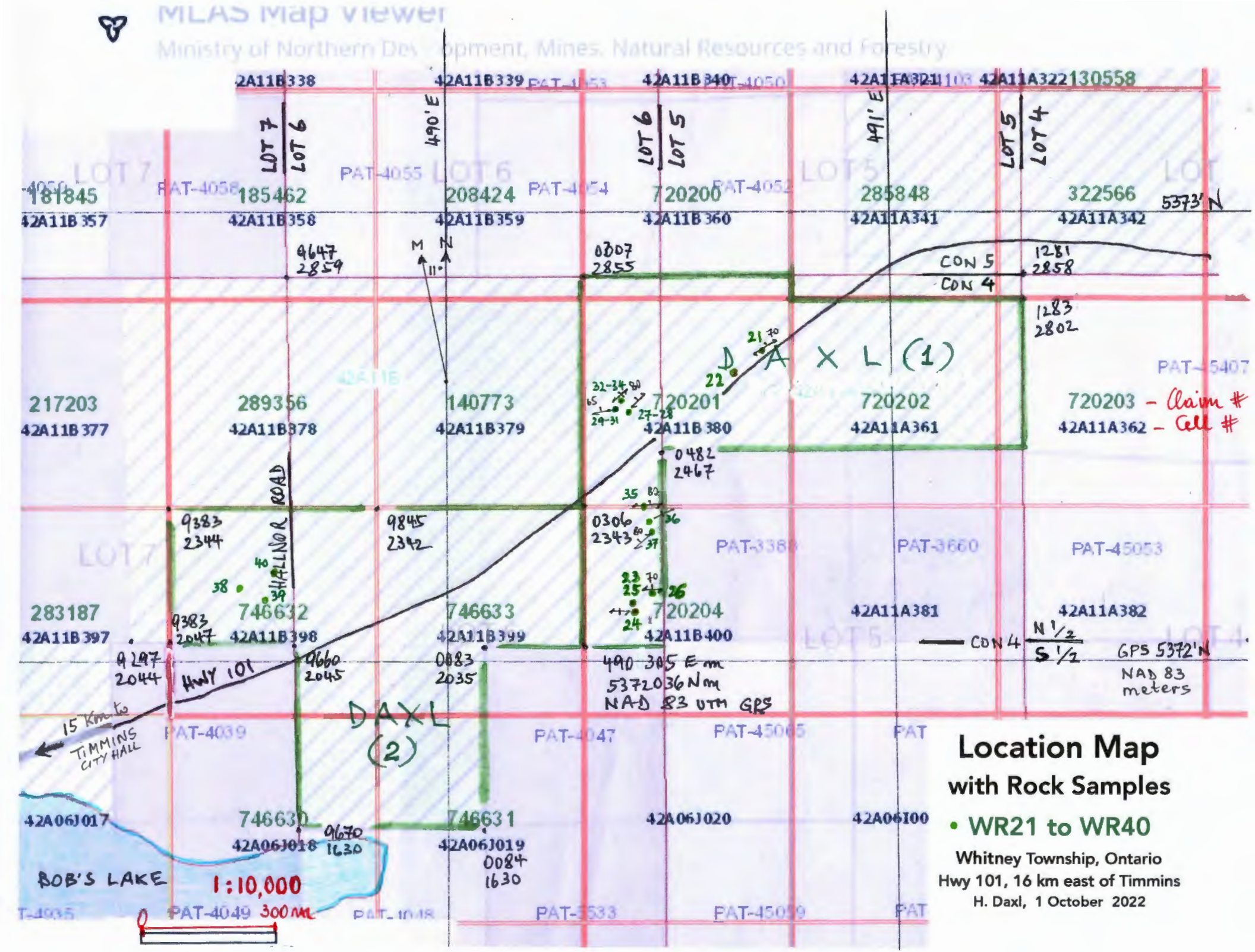
In Ontario Grid Cells :

42A11B360, 380, 398 - 400, 42A11A361 - 362, 42A06J018 - 019.

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

7 February 2023

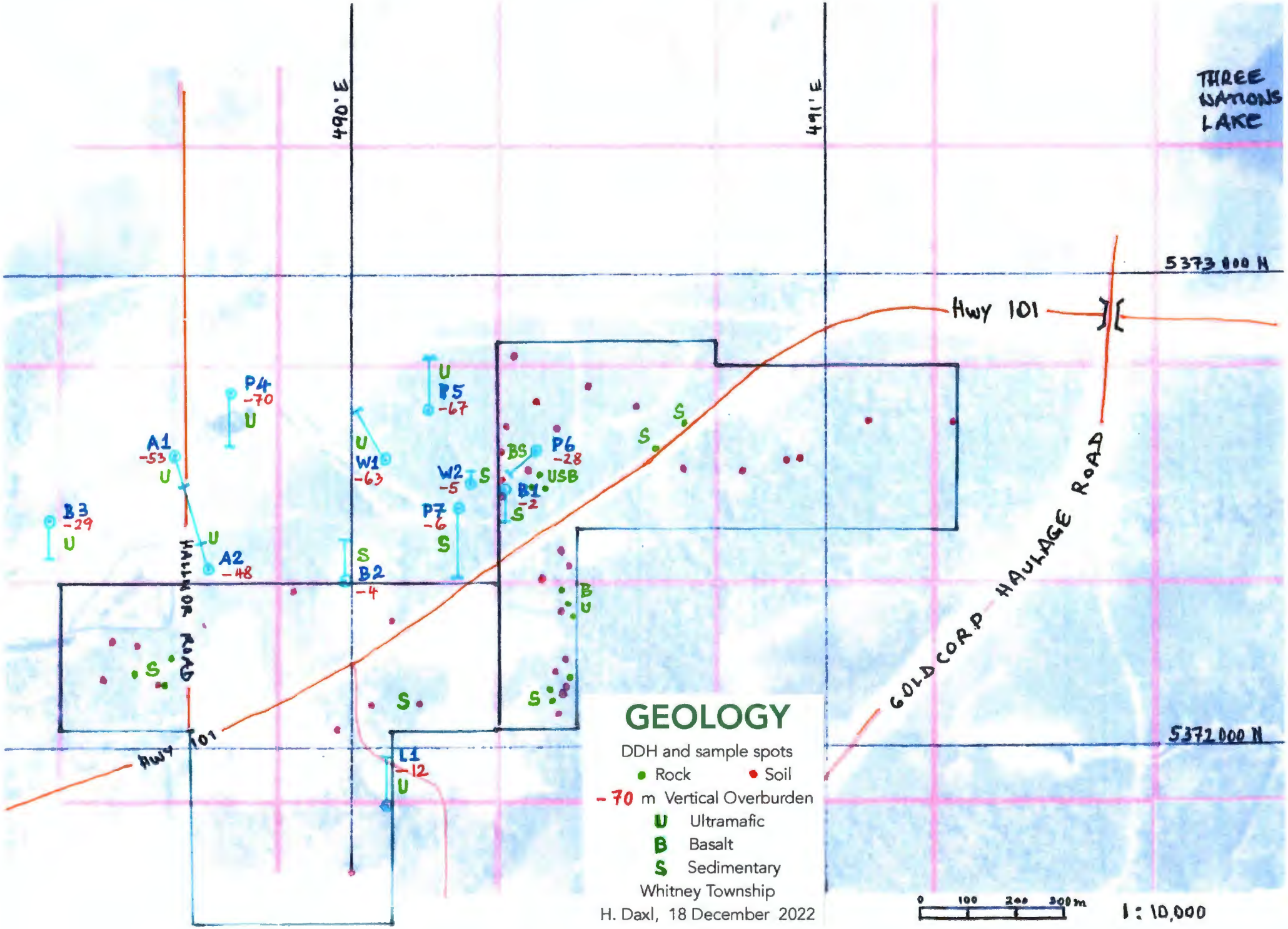
Contents

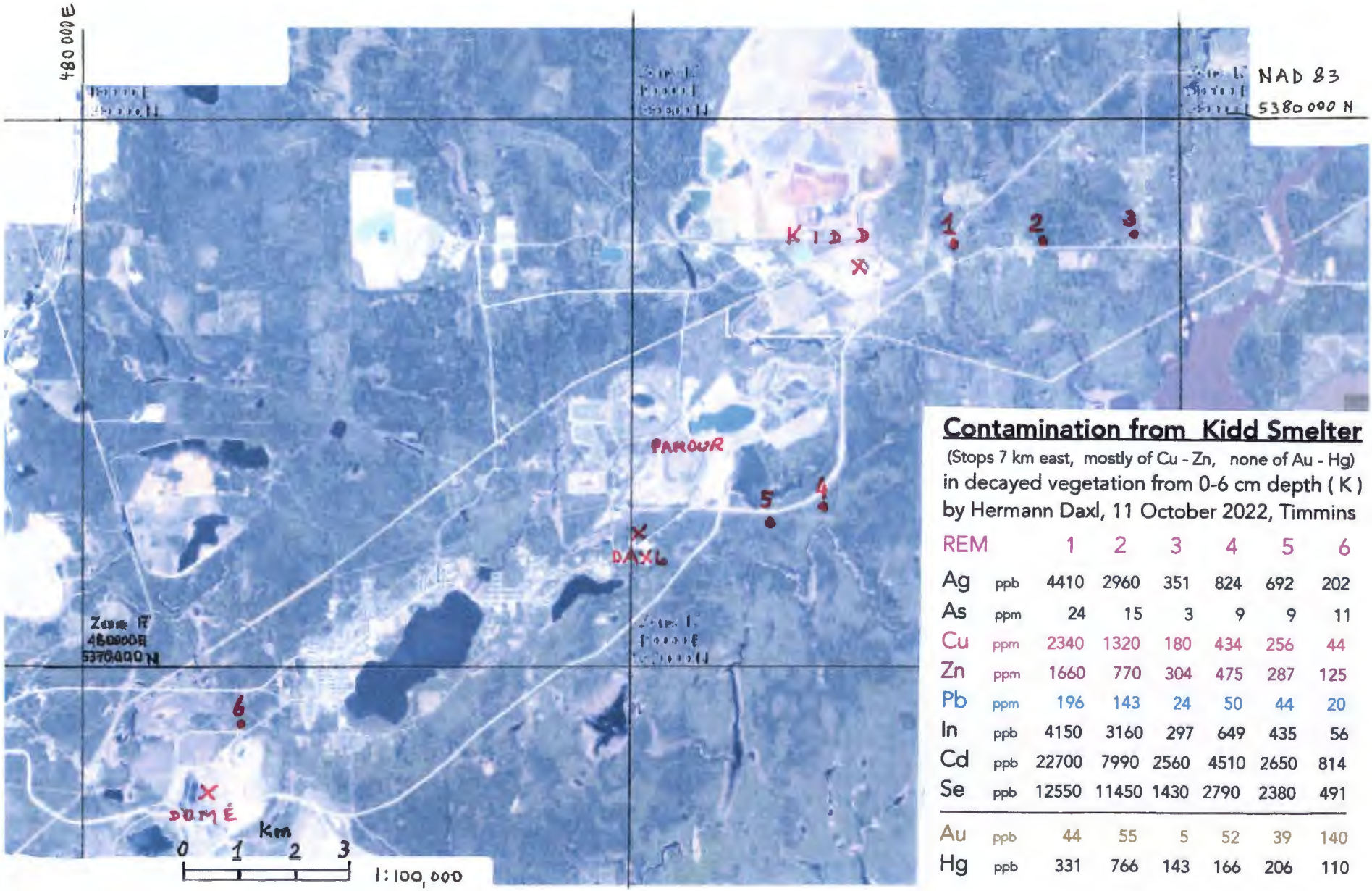


Location Map
with Rock Samples

- WR21 to WR40

Whitney Township, Ontario
Hwy 101, 16 km east of Timmins
H. Daxl, 1 October 2022

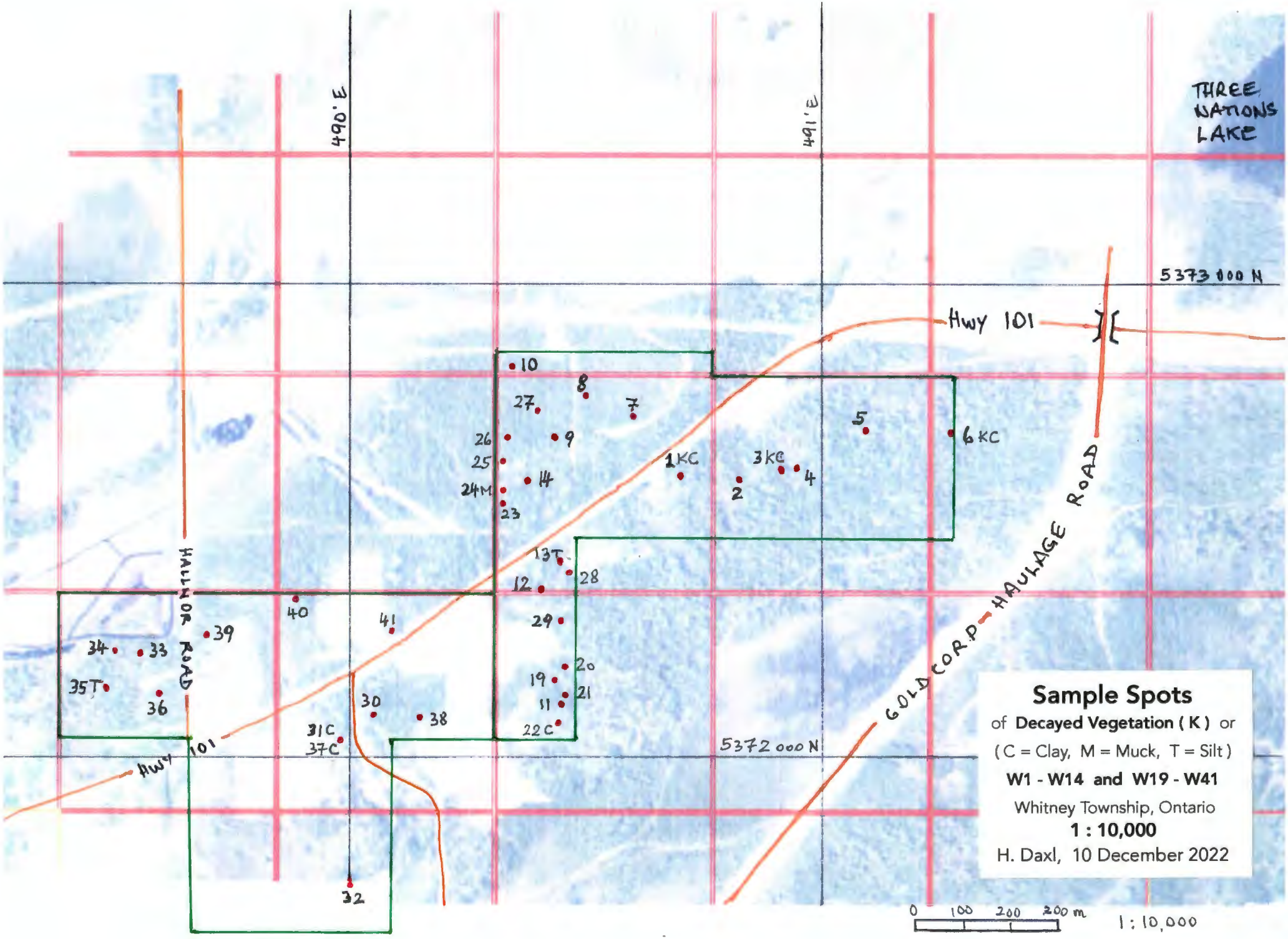

490 E
491 E
THREE NATIONS LAKE
5373 000 N
Hwy 101
GOLDCORP HAULAGE ROAD
5372 000 N
HATTER ROAD
A1 -53 U
A2 -48 U
B3 -29 U
P4 -70 U
U W1 -63
U P5 -67
W2 -5 S
P6 -28 BS USB
B1 -2 S
P7 -6 S
S B2 -4
L1 -12 U
B U
S
GEOLOGY
DDH and sample spots
Rock Soil
-70 m Vertical Overburden
U Ultramafic
B Basalt
S Sedimentary
Whitney Township
H. Daxl, 18 December 2022
0 100 200 300 m
1 : 10,000

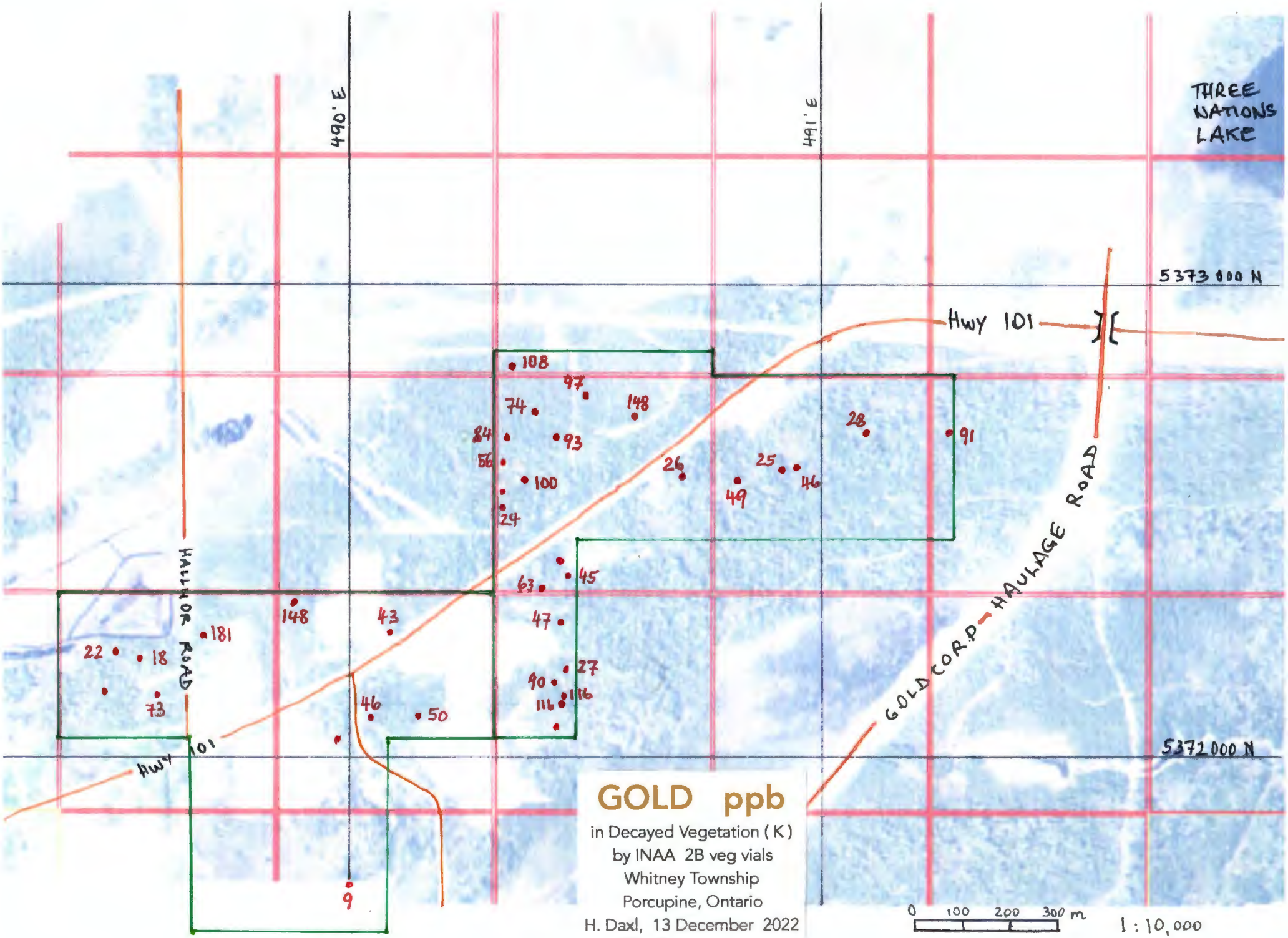


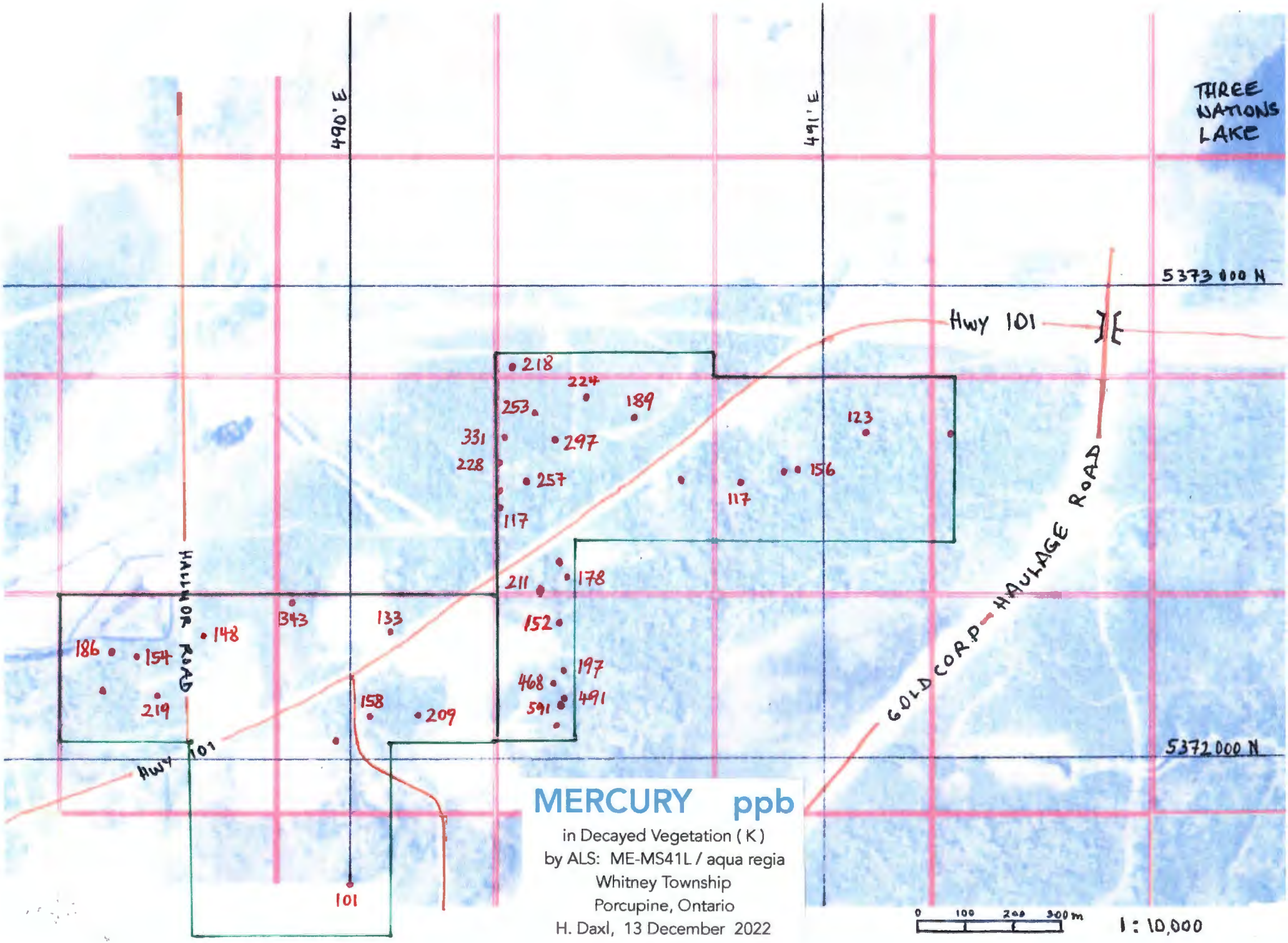
Contamination from Kidd Smelter

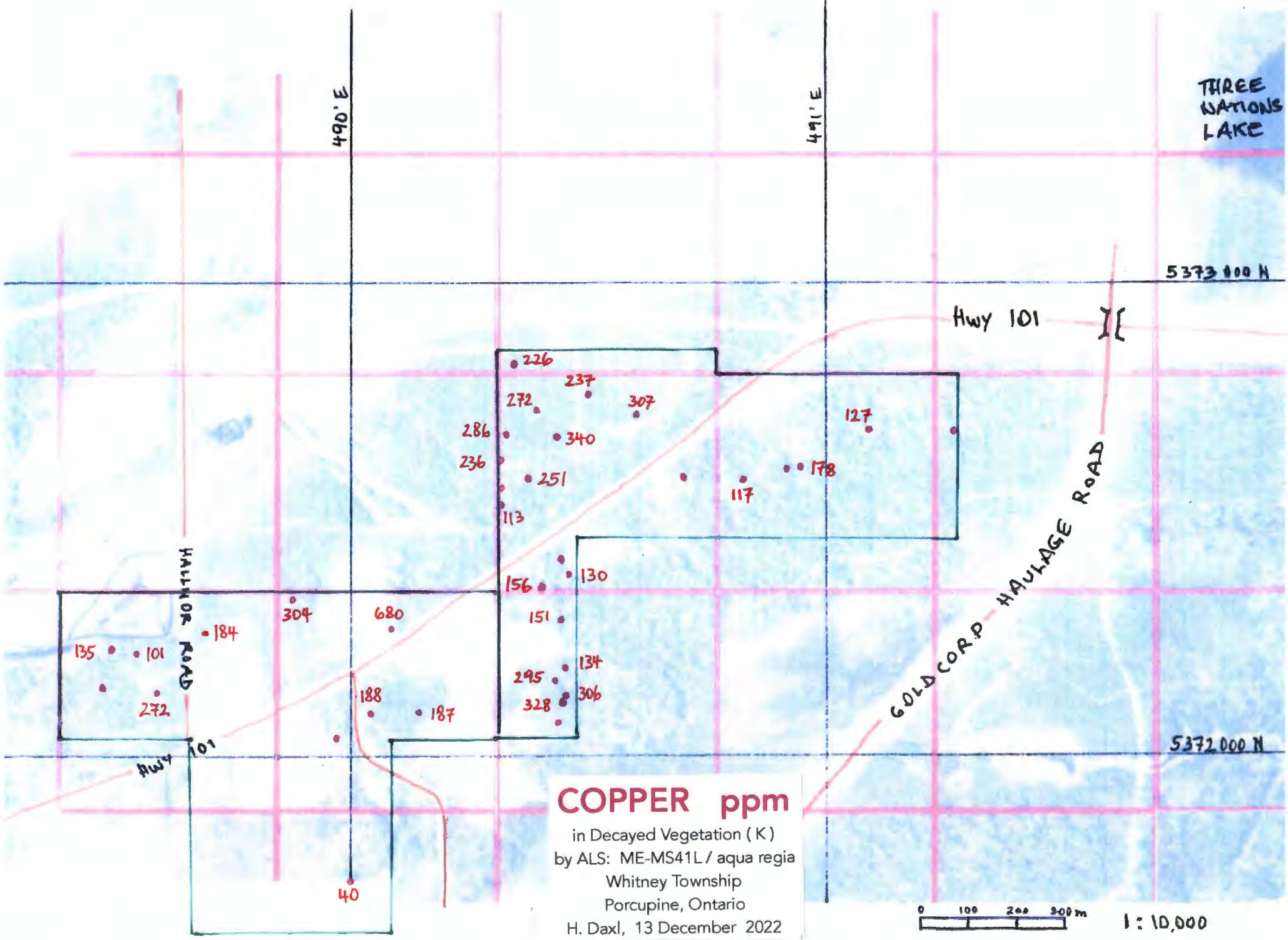
(Stops 7 km east, mostly of Cu - Zn, none of Au - Hg)
in decayed vegetation from 0-6 cm depth (K)
by Hermann Daxl, 11 October 2022, Timmins

REM		1	2	3	4	5	6
Ag	ppb	4410	2960	351	824	692	202
As	ppm	24	15	3	9	9	11
Cu	ppm	2340	1320	180	434	256	44
Zn	ppm	1660	770	304	475	287	125
Pb	ppm	196	143	24	50	44	20
In	ppb	4150	3160	297	649	435	56
Cd	ppb	22700	7990	2560	4510	2650	814
Se	ppb	12550	11450	1430	2790	2380	491
Au	ppb	44	55	5	52	39	140
Hg	ppb	331	766	143	166	206	110


THREE NATIONS LAKE
490 E
491 E
5373 000 N
Hwy 101
10
8
27
7
26
9
25
24M
14
23
1KC
3KC
4
2
5
6KC
13T
28
12
29
20
19
21
11
22C
40
41
39
34
33
35T
36
30
38
31C
37C
32
HALLNOR ROAD
GOLDCORP HAULAGE ROAD
Hwy 101
5372 000 N
Sample Spots
of Decayed Vegetation (K) or
(C = Clay, M = Muck, T = Silt)
W1 - W14 and W19 - W41
Whitney Township, Ontario
1 : 10,000
H. Daxl, 10 December 2022
0 100 200 300 m
1 : 10,000

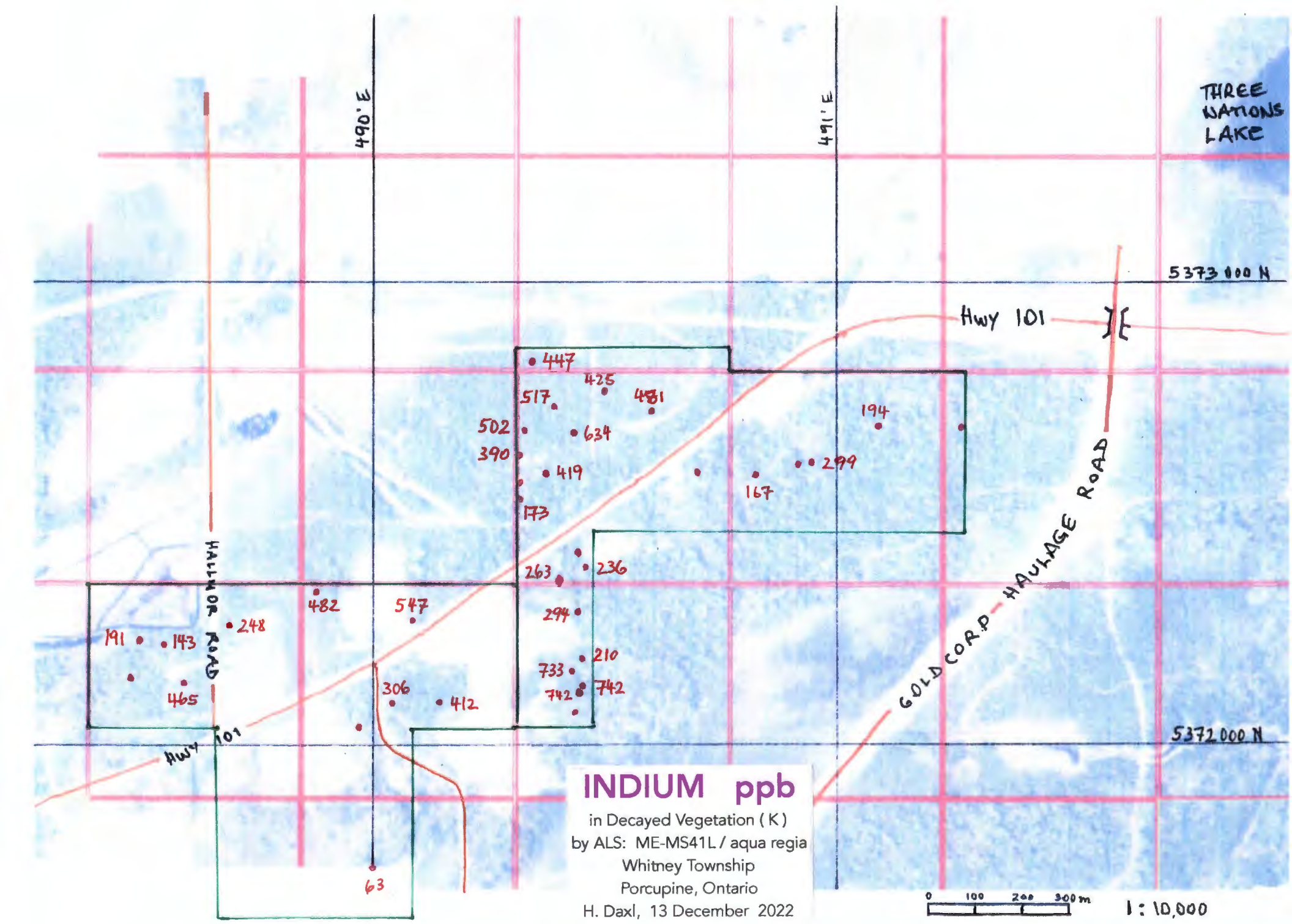

490 E
491 E
THREE NATIONS LAKE
5373 000 N
Hwy 101
HALLNOR ROAD
GOLDCORP HAULAGE ROAD
5372 000 N
Hwy 101
108
97
74
148
84
93
56
100
24
28
91
26
25
46
49
63
45
47
148
43
181
22
18
73
27
90
116
16
46
50
9
GOLD ppb
in Decayed Vegetation (K)
by INAA 2B veg vials
Whitney Township
Porcupine, Ontario
H. Daxl, 13 December 2022
0 100 200 300 m
1 : 10,000

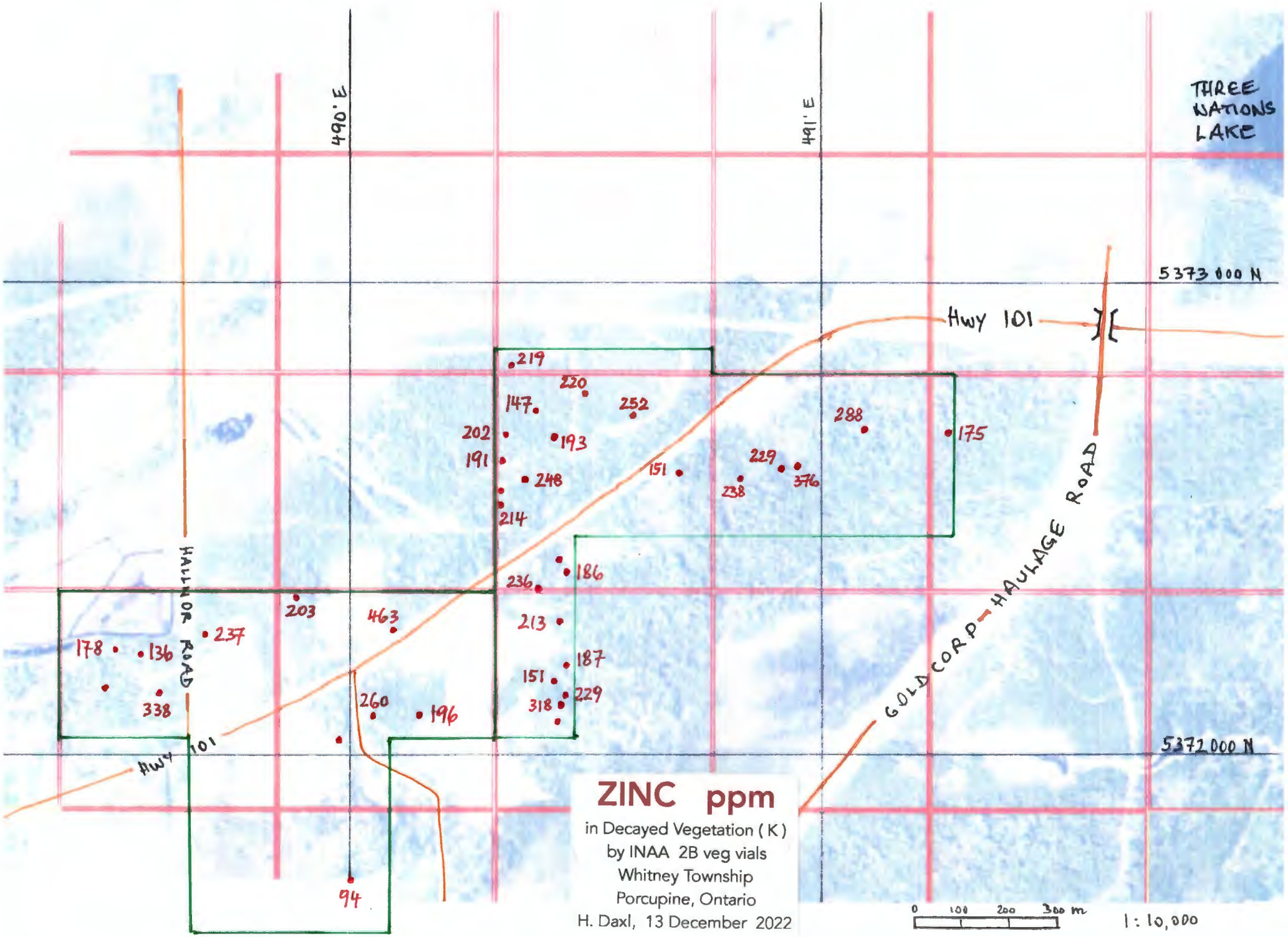

490 E
491 E
THREE NATIONS LAKE
5373 000 N
Hwy 101
218
224
189
253
123
331
297
228
257
156
117
117
HALLNOR ROAD
211
178
343
133
152
148
186
154
197
468
491
591
158
209
219
Hwy 101
101
GOLD CORP - HAULAGE ROAD
5372 000 N
MERCURY ppb
in Decayed Vegetation (K)
by ALS: ME-MS41L / aqua regia
Whitney Township
Porcupine, Ontario
H. Daxl, 13 December 2022
0 100 200 300 m
1 : 10,000

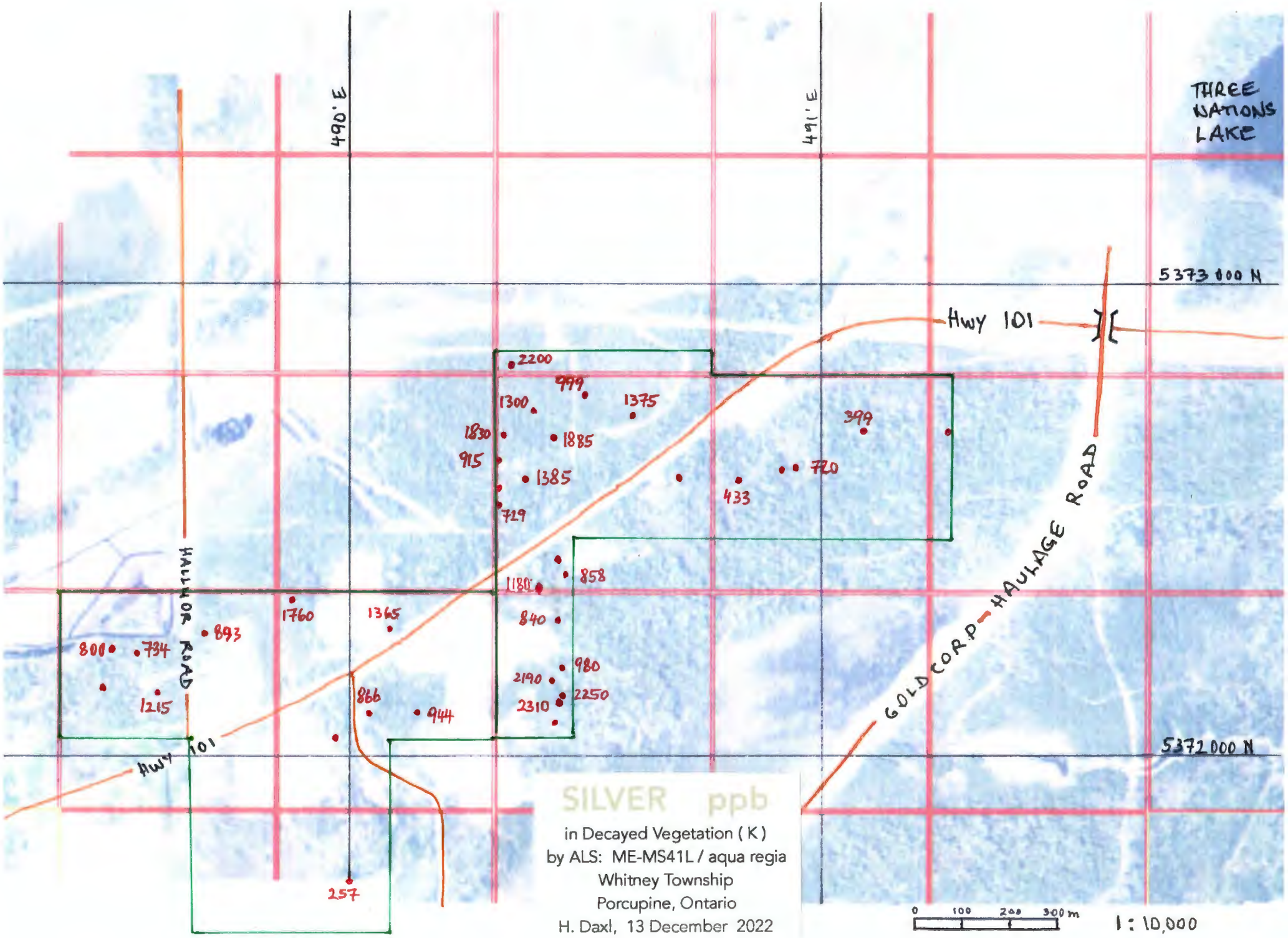


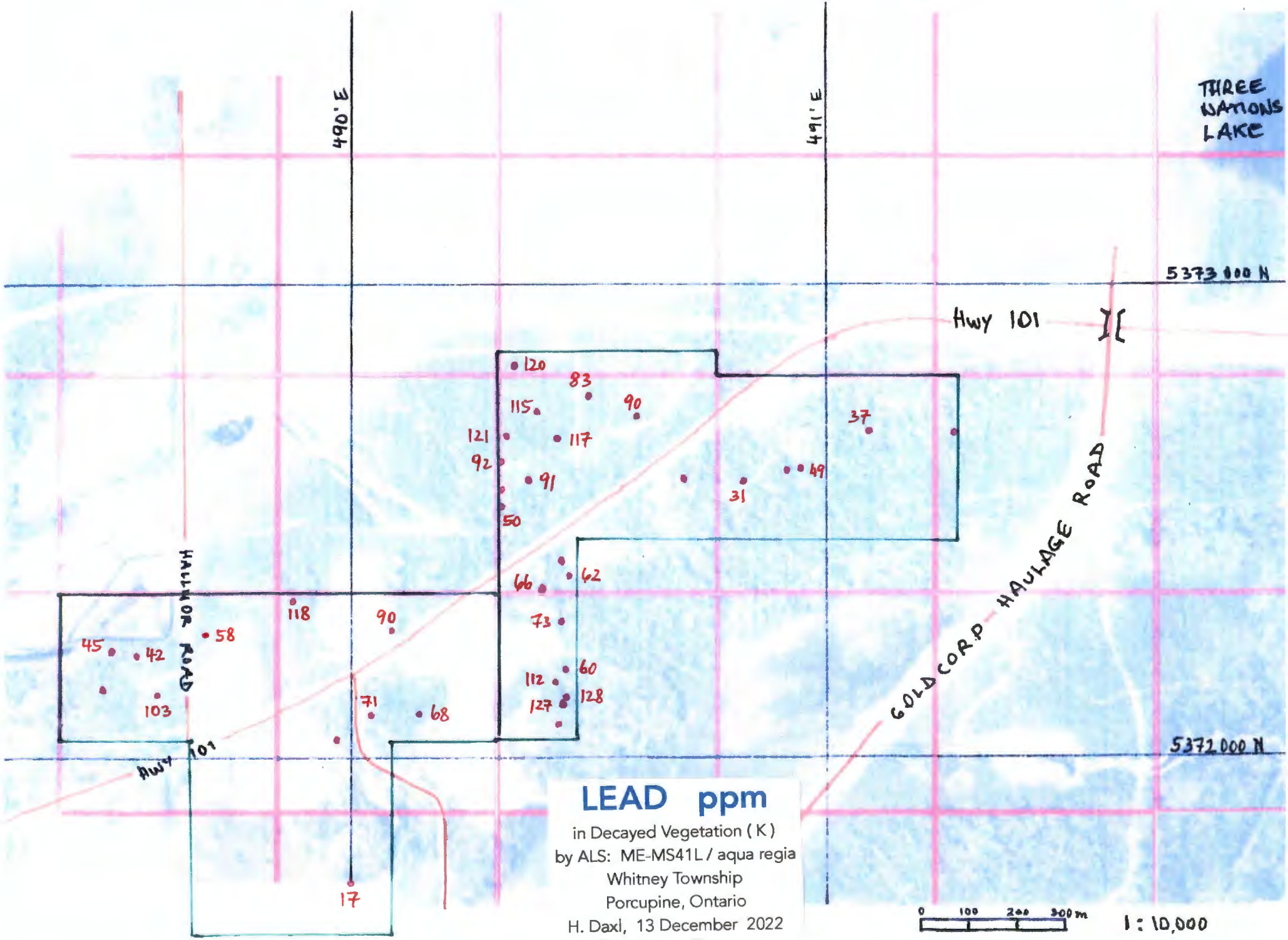
COPPER ppm

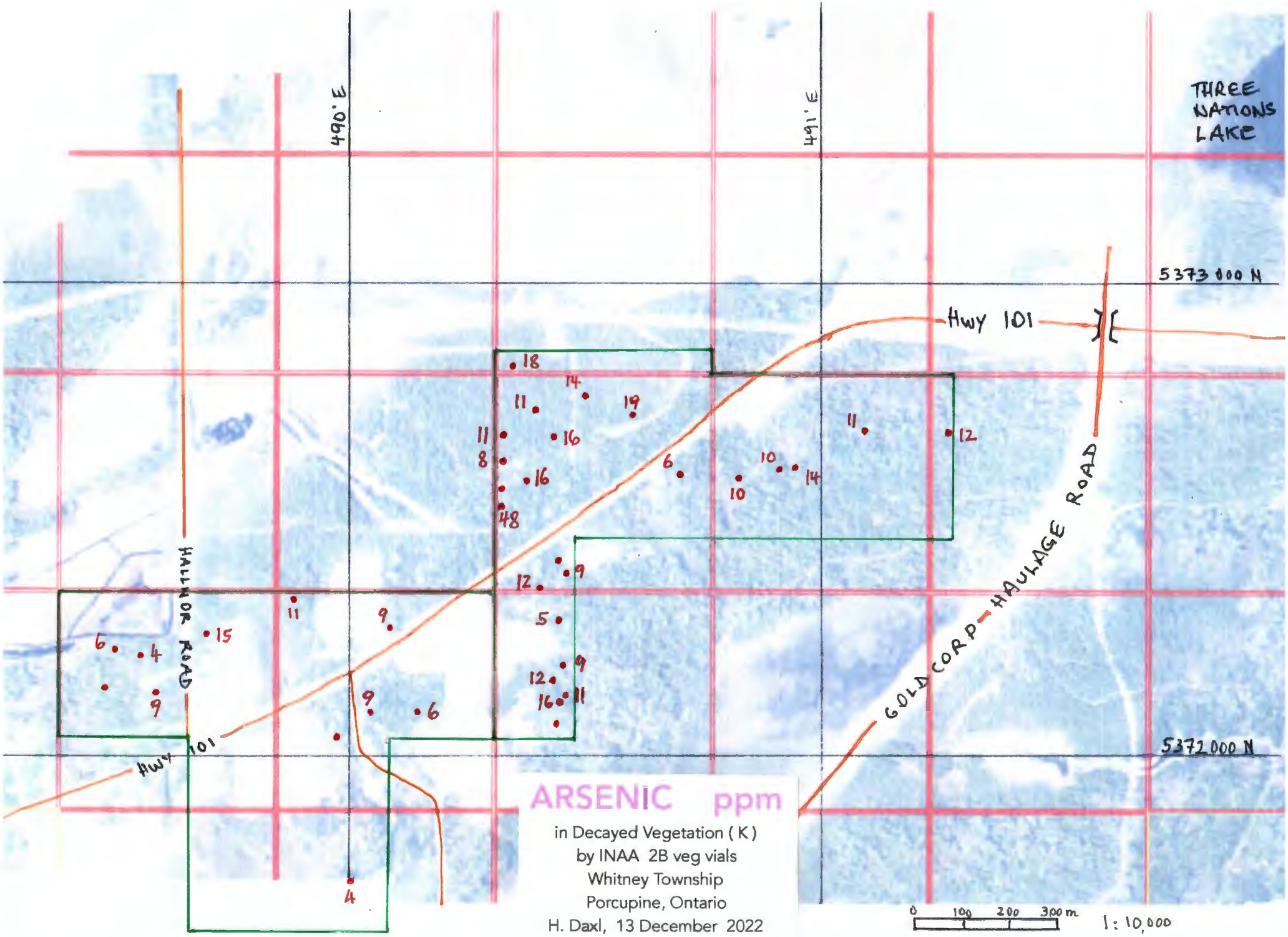
in Decayed Vegetation (K)
by ALS: ME-MS41L / aqua regia
Whitney Township
Porcupine, Ontario
H. Daxl, 13 December 2022


490' E
491' E
THREE NATIONS LAKE
5373 000 N
Hwy 101
447
425
517
481
194
502
634
390
419
299
167
173
263
236
482
547
294
248
191
143
210
733
742
742
306
412
465
63
HALLNOR ROAD
GOLDCORP - HAULAGE ROAD
Hwy 101
5372 000 N
INDIUM ppb
in Decayed Vegetation (K)
by ALS: ME-MS41L / aqua regia
Whitney Township
Porcupine, Ontario
H. Daxl, 13 December 2022
0 100 200 300 m
1 : 10,000


490 E
491 E
THREE NATIONS LAKE
5373 000 N
Hwy 101
HALLNOR ROAD
GOLDCORP - HAULAGE ROAD
5372 000 N
Hwy 101
219
220
147
252
202
193
191
248
214
288
175
229
376
151
238
186
236
203
463
213
237
178
136
187
151
229
318
338
260
196
94
ZINC ppm
in Decayed Vegetation (K)
by INAA 2B veg vials
Whitney Township
Porcupine, Ontario
H. Daxl, 13 December 2022
0 100 200 300 m
1 : 10,000


490 E
491 E
THREE NATIONS LAKE
5373 000 N
Hwy 101
2200
999
1300
1375
399
1830
1885
915
1385
720
433
729
858
1180
1760
1365
840
893
800
734
980
2190
2310
2250
1215
866
944
257
HALLNOR ROAD
GOLDCORP — HAULAGE ROAD
5372 000 N
Hwy 101
SILVER ppb
in Decayed Vegetation (K)
by ALS: ME-MS41L / aqua regia
Whitney Township
Porcupine, Ontario
H. Daxl, 13 December 2022
0 100 200 300 m
1 : 10,000


490' E
491' E
THREE NATIONS LAKE
5373 000 N
Hwy 101
HALLNOR ROAD
GOLDCORP HAULAGE ROAD
5372 000 N
Hwy 101
120
83
115
90
37
121
117
92
91
49
31
50
66
62
118
90
73
45
58
42
60
112
128
127
103
71
68
17
LEAD ppm
in Decayed Vegetation (K)
by ALS: ME-MS41L / aqua regia
Whitney Township
Porcupine, Ontario
H. Daxl, 13 December 2022
0 100 200 300 m
1 : 10,000


490 E
491 E
THREE NATIONS LAKE
5373 000 N
Hwy 101
HALLNOR ROAD
GOLDCORP HAULAGE ROAD
5372 000 N
Hwy 101
18
14
11
19
11
16
8
16
48
6
10
10
14
11
12
12
9
5
12
9
16
11
11
9
6
9
6
15
4
9
4
ARSENIC ppm
in Decayed Vegetation (K)
by INAA 2B veg vials
Whitney Township
Porcupine, Ontario
H. Daxl, 13 December 2022
0 100 200 300 m
1 : 10,000

Introduction

It is amazing that in only 3 field days of decayed vegetation sampling and only 5 field days of follow-up outcrop sampling I discovered without prior knowledge the only gold zone found in decades of line-cutting, MAG, EM and IP, followed up by diamond drill holes of 5 companies, the deepest to a vertical depth of only 233 m (see list). However, the bigger discovery is the widespread over 100 ppb gold in decayed vegetation, which could come from a large deposit at greater depth. The steeply dipping bedding and shear of the sedimentary rocks would have facilitated the ionic gold flux to rise. Gold contamination is ruled out, but the anomalous copper and zinc may mostly be from the Kidd smelter.

Based on the 500-year old knowledge that mines affect overlying vegetation, I have long proven that decayed vegetation from 0 - 6 cm depth (K) of forest floor concentrates values of many elements from mines much above the detection limits of modern lab methods. Any inorganic content must be removed to avoid contamination and especially dilution. Thick overburden may only disperse values. Interpretation is by geo-logic without statistical manipulation.

From 29 May to 14 October 2022 I collected 37 soil samples and followed-up with 20 rock samples, as plotted on two attached location maps of my nine boundary mining claims 720200 - 204 and 746630 - 633, in Ontario Grid Cells 42A11B360, 380, 398 - 400, 42A11A361 - 362, 42A06J018 - 019. Situated along highway 101 at 16 km east from Timmins downtown access is simple. All claims have surface right owners with several businesses, and they were informed.

The undeveloped areas are covered with mature mixed forest, but with conifer swamp in the low areas across the northwest where historic drilling encountered ultramafic rocks under very deep overburden. Occasional outcrops between shallow sand-silt-clay flats are found in the wider area along highway 101. The attached geology map shows the predominance of sedimentary rock here, and the drill holes with overburden depth.

The lab results of decayed vegetation samples are annotated with further overburden details and illustrated on 8 separate element maps for gold, mercury, copper, indium, zinc, silver, lead, arsenic. Please also see the rock sample descriptions with results and photos at the end.

Previous Work

The only previous success was in meta-sedimentary rock with minor pyrite, in the first sample of the first hole by Summit Gold Mines Inc., B-1 in 1974, namely 1.5 g/t gold over 40 cm, from bedrock at 3.65 to 4.05 m downhole. The next sample was only from 7.62 to 9.14 m and gave 0.3 g/t gold. Typically of all holes, samplers applied conventional knowledge instead of learning from the rock present. Even many recognized pyrite disseminations were not sampled.

The nearby hole P-88-6 by Syngold Exploration Inc. returned 0.181 g/t gold over the 15.3 m interval from 99.0 to 114.3 m which included 4.74 m of bedded meta-graywacke with finely disseminated 2-3 % euhedral pyrite. The further 1.5 g/t gold over the 1.5 m from 134.0 to 135.5 m is negated by the 0.013 g/t of the full 7 m interval from 133.0 to 140.0 m. In P-88-7 their 0.9 g/t gold over 1.5 m of sample 9465 within the full interval of 0.004 g/t over 15.5 m from 143.1 to 158.6 m, also does not match.

Such sparse particle effects can be avoided by fine crushing and up to 800 g pulps, as done with my sample WR28 of 2.2 kg, returning 722, 707, 715, 910, 657 ppb gold from various aliquots and methods. Note that small pulps rarely catch the habitual concentrations of gold, and if they did, such extremes were traditionally discarded.

This past prejudiced sampling should not detract. The inadequate customary laboratory methods were not even described. With gold in pyrite and in meta-sedimentary rock, a potential like Witwatersrand can be envisaged. Of course the entire core length needs to be sampled, fine-crushed and large pulps prepared.

Decayed Vegetation Sampling

Decayed vegetation sampling prevents the pitfalls of conventional soil or humus sampling. Samples are collected from chosen dry spots where water can evaporate, which in swampy ground may only be around trees, avoiding sand, silt or clay (DTC) which could contaminate and would dilute. Values are not treated by statistics which always find anomalies, but the absolute values are high enough to be interpreted directly, as ions from depth accumulate on surface and are condensed by the plant cycle. Already 15 samples per claim unit will show its potential, no outcrop is needed.

After brushing aside loose or green material on the forest ground, a handful of the exposed rootlets with encrusted leaves, needles, bark, and mold was ripped up from each of several suitable dry spots, often around trees, over a 20 - 40 m area, and the GPS in their center noted. See the cover photo and the GPS list attached. This heaped double-handful decayed vegetation from 0 - 6 cm depth (K) makes one raw sample. Thereby all K-samples are of like material and age. After drying in air, pounding and rolling to release the fines, the <250 micron sievings were homogenized by cross-lapping on a sheet of paper.

Where any sand or silt (DT) content was visible with a hand lens, it was removed by more suitable sieving, or by dry swirling in a plastic gold pan and discarding the DT dregs. Any remaining DT was estimated in volume percent, as annotated on the lab results. Clay (C) cannot all be removed but can be estimated from the typical clay elements as per separate clay analyses or regional clay values.
Please search . . . https://www.youtube.com/@hermanndaxl8861 . . . to view videos.

Analyses

I compacted the sievings into the 7 cm3 medium vials for instrumental neutron activation analysis (INAA), Code 2 B - vegetation, with double irradiation time at extra cost, by Activation Laboratories Limited. Such analyses are most suitable for gold and were plotted on the gold map without considering the less reliable gold results by ME-

MS41L - super trace aqua regia from only 0.45 g, done by ALS Canada Ltd. for 53 elements. Many of these elements can also be useful for mine finding.

Gold Results

Being in a gold region with shallow overburden and occasional outcrop, the high gold values in decayed vegetation (K) indicate two gold trends. Normally the gold should be near zero as in remote sample REM3. Across the northwest, the 5 samples W39, W40, W14, W9, W7, of 181, 148, 100, 93, 148 ppb Au, are decayed vegetation around trees on black muck within the margin of the swamp. Deeper muck W24 from 70 cm depth typically had only 1 ppb Au. The 5 more K samples northwestward in the swamp had 56 to 108 ppb Au, possibly diluted by water movement. After scraping 5 outcrops, WR27 and WR28 of the 8 rock samples around W14 proved the gold zone in sandstone with 0.3 g/t and 0.7 g/t gold. Other outcrops along the >1km long swamp edge still need to be sampled.

In the central southeast, in the small area of high 116, 90, 116 ppb Au in K-samples W11, W19, W21, my 4 rock samples yielded no gold. Of course, the promising sedimentary rocks need to be sampled frequently and over all claims to discover gold in them, now that at least K-samples showed the way. More K-infill samples would be useful, especially because all K-samples had significant gold, probably indicating a deep source that could reach surface more often.

Some correlation of gold with mercury and especially silver is apparent, whereas arsenic agrees more with the regional trend. The only high 48 ppm As at W23 is undoubtedly from arsenopyrite in ultramafic rock as discovered in rock samples WR29 and WR31, but the gold is not associated with it. Silver and lead seem somewhat more elevated above the expected contamination in gold areas, but compared to gold do not seem significant.

The several comparatively high values of aluminium, cerium, cobalt, chromium, cesium, iron, gallium, potassium, lanthanum, lithium, magnesium, niobium, rubidium, scandium, thorium, titanium, vanadium, yttrium, zirconium, are typical of clay. Lithium is about 50 ppm in regional clay. Please see clay sample W37 from 30 cm depth.

Gold is not Contamination

Gold values are not contaminated by the nearby gold mining nor processing. However, especially copper and zinc values with the associated indium and cadmium, and somewhat silver, arsenic, lead, selenium, seem dominated by the Kidd smelter, although after 30 years it stopped operation in 2010. The high gold values in decayed vegetation on my claims can only come from bedrock, as also proven by the gold zone I discovered at rock samples WR27 - 28.

Remote samples REM 1 - 6 of decayed vegetation were necessary to understand the unexpected anomalous copper-zinc values on my claims. As shown on the attached air photo with tabled values, REM 1 - 3 are from 2 - 5 km east of the smelter marked X and the elements as occur in the Kidd Creek ore decline rapidly from extreme to almost normal background. Presumably smelter contamination reaches only 7 km eastward despite the prevailing winds. Lead is not contamination from the highway. Gold agrees with the gold trend, but abruptly disappears at REM 3, which could be north of the gold trend as supported also by the geology map.

REM 8 is the 60% by volume sand-silt-clay (DTC) dregs extracted from REM 3 by final dry-swirling during sample preparation and indicates that DTC does not contribute any of the values of interest. Therefore it is not dust from ore handling 5 km away. The contamination in REM 3 seems to have been adsorbed from smelter smoke by leaves and needles.

Values of REM 4 - 5 from 5 km south of the Kidd smelter are similar to the several highs on my claims X about 7 km southwest. Apparently contamination reached south - southwest over the same distance as eastward. Only silver and lead are recognized as minor anomalies in addition to gold on my claims, because they correlate with it.

REM 6 from 1 km north of the Dome Super Pit and Mill X returned quite normal background, except for 140 ppb gold which would indicate gold in bedrock like in the adjacent Blueberry Hill deposit, rather than contamination. REM 7 is 90 % rounded fine quartz beach sand-clay dregs extracted from REM 6 by dry-swirling during sample

preparation and returned 40 ppb gold. It could not have contributed to the 140 ppb gold of REM 6 with its remaining 10% of such sand-clay, but diluted it somewhat. A beach so close to Blueberry Hill would of course contain gold-bearing quartz from it.

It would be farfetched to assume that the 140 ppb gold in REM 6 could come from fumes from pouring gold bars at the Dome Mill, or that the 100 ppb Au of W14 would come from the Pamour Mill instead of the zone discovered with rock samples WR27 and WR28.

Dust from gold mines is also unlikely as the more sandy-clayey dregs W15 and W16 have less gold than W4 and W12 from which they were extracted. Also pure surface clay W31 had only 6 ppb Au, whereas nearby decayed vegetation samples W30 and W38 had 46 and 50 ppb Au. Clay W37 from 30cm underneath had no gold. The 25 ppb Au of surface clay <125 micron W22, near the decayed vegetation samples W11, W19, W21 averaging 107 ppb Au, can suggest that ions rising from rock below, in the absence of decayed vegetation, can only accumulate on surface clay.

Since frequent rock can easily be dug up at the two main gold horizons already indicated by the present decayed vegetation prospecting on my claims, the elusive question of contamination becomes irrelevant.

Rock Chip Sampling

I found 0.7 g/t gold in sandstone, free of arsenic, and bound in disseminated pyrite.

My rock samples consist of 10 random rock chips from 1 m2 scraped areas of outcrops, some in areas of high gold in decayed vegetation. I washed, photographed and described them, with UTM, and significant values added in blue. Please see at end of report, including rock analyses.

Actlabs fine-crushed all 1 - 3 kg to 80% < 2mm, and pulverized 250 g for 50 g fire assay - atomic absorption for gold, and for gold and 62 elements by 15 g Ultratrace 1 - aqua

regia (Report A22-13254). Further 50 g aliquots from 800 g pulps were done by fire assay - ICP/AES for gold, platinum and palladium, by ALS (TM22269016). All three gold results were quite close. Actlabs repeated 3 analyses from >700 micron sieved rejects to test for crusher contamination, and also WR27 from new duplicate chips as WR41 (A22-15496). All agreed well, also the small 10g aliquots of WR27 and WR28 of the Actlab pulps done by 1D-enh neutron activation (A22-16629).

Fine-crushing and large pulps prevent sparse particle effects, but at this spot the gold seems to be evenly distributed with gold-bearing finely disseminated pyrite. This appears from fine-panned concentrates of several pulps, rejects, and residue from washing the samples, as no gold was visible and it correlates with pyrite, but not with arsenopyrite which is in ultramafics WR29 and WR31 (A22-16629).

The values of other elements in these rock samples show no other economic potential but many confirm the rock identification, notably Mg, Cr, Ni, Pt, Pd, of WR37. However, these sparse outcrop samples cannot overrule the ubiquitous high gold shown by decayed vegetation.

Conclusions and Recommendations

Again decayed vegetation sampling has proven its efficiency. The only historically known zone has been found from scratch in only 8 field days, in sedimentary rock with pyrite, and others probably could be found as easily.

However, the wide distribution of high gold values in decayed vegetation suggests a major and rich gold occurrence at greater depth, from where the steeply dipping bedding and shearing would have facilitated the ionic gold flux to rise. Influence from the Kidd smelter is strong for copper, and moderate for silver and lead. However, silver and lead correlate with gold and therefore may also occur in the gold areas.

Much gold had been mined from the Witwatersrand of South Africa, from sedimentary rock despite narrow widths but rich enough for depths of over 10 km. Noteworthy, their

bedding parallel Carbon Leader has high grades and even visible gold, whereas here we ignore graphitic sedimentary rock. I would recommend an article by Andrew Jackson in the 911metallurgist of 13 Feb 2018 about Witwatersrand Gold Deposits.

Consider that a single 1mm gold flake in 1 kg of core represents a grade of 1 g/t gold. Gold need not be limited to quartz veins, shear or alteration zones, not even to sedimentary porosity, and practically all is invisible, but continuous sampling of drill core, fine-crushing and large pulps would not miss it.

Respectfully submitted,

Timmins, 7 February 2023 by Hermann Daxl, M.Sc.(Minex), Claim Holder

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

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

Hermann Daxl

ATTN: Hermann Daxl

CERTIFICATE OF ANALYSIS

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

The following analytical package(s) were requested:		Testing Date:
2B-~~1~~ See Mass net gram	QOP INAAGEO (Vegetation INAA)	2022-07-27 10:35:13

by neutron activation, double irradiation time

REPORT A22-09825

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

Notes:

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

SCC Accredited LAB LAB Accredite CCN .TV

LabID: 266

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 from 0-6cm depth (K) sieved <250 µm – by neutron activation – 2B vegetation – double irradiation time – 7 cm³ medium vials – see mass compressed

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

	Analyte Symbol	Au	Ag	As	~~Ba~~	Br	Ca	Co	Cr	Cs	Fe	Hg	Hf	Ir	K	~~Mo~~	Na	~~Ni~~	Rb	Sb	Sc
Still	Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	%	ppm	ppm	ppm	ppm	ppm	ppm
Vol.%	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
sand	Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
silt	OREAS 45d (INAA) Meas	24.5			< 5		< 0.01	31.6	627.0	4.14	16.000		9.54		0.43		971	233	42		50.00
clay	OREAS 45d (INAA) Cert	23.0			183		0.19	31.3	585.0	3.94	14.800		8.90		0.43		970	234	42		49.00
(DTC)	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
	LABL blank ✓	< 0.1	< 0.3	< 0.01	< 5	17.10	< 0.01	1.7	< 0.3	< 0.05	0.050	< 0.05	< 0.05	< 0.1	0.79	< 0.05	75	< 2	41	< 0.005	0.19
60 CT	W1 K	25.9	< 0.3	6.19	373	9.84	1.67	12.1	65.1	3.36	2.390	< 0.05	2.32	< 0.1	0.65	< 0.05	9490	< 2	126	0.240	7.06
ϕ	W2 K clayey	48.6	< 0.3	10.00	< 5	10.90	3.27	9.8	54.2	2.49	1.780	< 0.05	2.14	< 0.1	0.79	10.30	4300	< 2	73	0.500	5.09
50C	W3 K	24.5	< 0.3	9.95	336	10.60	< 0.01	12.2	78.3	3.34	2.110	< 0.05	3.04	< 0.1	0.46	< 0.05	10700	< 2	89	0.370	7.16
15C	W4 K	45.5	< 0.3	14.10	179	13.10	< 0.01	9.3	64.6	< 0.05	1.360	< 0.05	2.80	< 0.1	0.88	< 0.05	7090	< 2	49	0.690	4.79
ϕ	W5 K clayey	27.8	< 0.3	10.80	239	10.50	3.60	8.6	53.9	1.95	1.790	< 0.05	1.28	< 0.1	0.71	< 0.05	4890	< 2	39	0.210	5.03
50C	W6 K	91.3	< 0.3	12.10	191	10.30	1.87	8.8	56.0	2.42	1.720	< 0.05	2.34	< 0.1	0.61	< 0.05	7340	< 2	65	0.280	5.34
ϕ	W7 K	148.0	< 0.3	19.20	145	17.10	1.92	6.9	56.8	1.36	1.150	0.16	< 0.05	< 0.1	0.91	< 0.05	3290	< 2	14	0.820	3.16
ϕ	W8 K	97.4	< 0.3	13.50	< 5	21.70	3.09	6.3	63.4	< 0.05	1.060	0.60	< 0.05	< 0.1	0.96	< 0.05	3460	< 2	< 1	1.010	3.47
ϕ	W9 K	93.4	< 0.3	16.00	< 5	16.10	1.27	4.8	81.1	< 0.05	1.350	< 0.05	1.11	< 0.1	0.95	< 0.05	4570	< 2	< 1	0.850	4.26
ϕ	W10 K	108.0	< 0.3	18.10	< 5	15.20	2.18	6.3	77.1	< 0.05	1.260	< 0.05	< 0.05	< 0.1	0.97	< 0.05	3910	< 2	< 1	0.980 (0.68)	3.91
tr D	W11 K	116.0	< 0.3	16.20	< 5	16.40	< 0.01	4.8	77.8	< 0.05	1.320	1.15	1.62	< 0.1	1.03	< 0.05	4840	< 2	< 1	1.320	4.68
10C	W12 K	63.3	< 0.3	11.50	209	12.10	1.73	6.9	63.7	2.69	1.520	< 0.05	2.75	< 0.1	0.92	< 0.05	7540	< 2	< 1	0.400	4.93
<125µm	W13 TC (at 15cm)	< 0.1	< 0.3	4.26	572	3.45	< 0.01	18.2	107.0	4.44	4.060	< 0.05	4.11	< 0.1	0.30	< 0.05	16500	< 2	98	< 0.005	12.30
8 CT	W14 K	100.0	< 0.3	16.10	< 5	15.40	1.62	5.7	79.1	1.85	1.070	1.14	1.53	< 0.1	0.88	< 0.05	5820	< 2	27	1.060	3.77
	W15 50% C of W4	39.2	< 0.3	11.90	393	11.10	2.94	9.3	69.7	3.06	1.560	< 0.05	3.51	< 0.1	0.62	8.31	9290	< 2	< 1	0.380	5.48
	W16 60% Dc of W12	25.9	< 0.3	6.16	476	7.42	3.40	6.8	66.2	3.32	1.400	< 0.05	4.02	< 0.1	0.48	< 0.05	16600	< 2	79	0.340	5.58
ϕ	W17 = W10	92.3 ✓	< 0.3	17.00 ✓	< 5	15.30 ✓	1.35	6.7 ✓	81.9 ✓	< 0.05	1.150 ✓	< 0.05	< 0.05	< 0.1	1.18 ✓	< 0.05	3470 ✓	< 2	< 1	0.680 (0.98)	3.89 ✓
	W18 Shaft test ✓	128.0 ✓	< 0.3	62.70 ✓	275	14.00	3.07 ✓	22.0 ✓	57.8 ✓	< 0.05	2.270 ✓	1.67	2.11	< 0.1	0.72	< 0.05	5850 ✓	< 2	< 1	0.560	12.00 ✓

Sand, silt, clay (DTC) content diluted gold values.

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

Still Vol.% Sand Silt Clay (DTC)

Analyte Symbol	Se	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Lu	Yb	Mass	INORGANIC TOP at cm depth
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	
Detection Limit	0.1	100	0.05	0.1	0.01	0.05	2	0.01	0.1	0.3	0.001	0.05	0.1	0.001	0.005	net	
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	
OREAS 45d (INAA) Meas		< 100	1.32	15.0	3.01	< 0.05		23.30	40.0	14.5	3.000	0.67	< 0.1		2.150		
OREAS 45d (INAA) Cert		33	1.30	15.0	3.00	1.97		17.30	38.0	14.5	3.170	0.67	0.5		2.170		
Method Blank	< 0.1	< 100	< 0.05	< 0.1	< 0.01	< 0.05	< 2	< 0.01	< 0.1	< 0.3	< 0.001	< 0.05	< 0.1	< 0.001	< 0.005	10.00	
LABL blank	< 0.1	< 100	< 0.05	< 0.1	< 0.01	< 0.05	< 2	0.66	< 0.1	< 0.3	0.100	< 0.05	< 0.1	< 0.001	< 0.005	3.48	– Lavazza crtgu coffee
60 CT W1 K	< 0.1	< 100	< 0.05	5.6	2.85	< 0.05	151	22.00	31.3	16.8	2.660	0.52	< 0.1	0.140	1.200	4.78	– 5 beige clay
0 W2 K clayey	< 0.1	< 100	< 0.05	5.8	< 0.01	< 0.05	238	18.20	23.6	12.8	2.110	0.27	< 0.1	0.080	0.390	3.04	– 5 gravel
50 C W3 K	< 0.1	< 100	< 0.05	5.9	< 0.01	< 0.05	229	26.10	31.1	12.9	3.270	0.86	< 0.1	0.210	1.100	5.01	– 5 gravel
15 C W4 K	< 0.1	< 100	< 0.05	3.1	< 0.01	< 0.05	376	12.00	18.0	14.4	1.720	0.25	< 0.1	0.120	0.650	3.41	– 5 sand, 8 enricked brown
0 W5 K clayey	< 0.1	< 100	< 0.05	4.2	< 0.01	< 0.05	288	16.00	21.4	9.2	1.910	0.31	< 0.1	0.030	0.700	3.71	– 5 sand-silt
50 C W6 K	< 0.1	< 100	< 0.05	4.1	0.84	< 0.05	175	14.10	22.9	5.0	1.890	0.28	< 0.1	0.070	0.830	4.14	– 5 greenish clay
0 W7 K	< 0.1	< 100	< 0.05	0.9	< 0.01	3.61	252	5.51	7.1	< 0.3	0.900	0.26	< 0.1	0.100	0.660	3.00	– > 100 black muck
0 W8 K	< 0.1	< 100	< 0.05	1.3	< 0.01	3.00	220	5.74	8.3	< 0.3	0.930	< 0.05	< 0.1	0.020	0.340	2.87	– > 100 black muck
0 W9 K	< 0.1	< 100	< 0.05	1.8	< 0.01	< 0.05	193	7.29	9.5	< 0.3	1.180	0.32	< 0.1	0.010	0.820	2.90	– > 120 black muck
0 W10 K	< 0.1	< 100	< 0.05	0.9	< 0.01	< 0.05	219	6.12	9.7	< 0.3	1.060	< 0.05	0.5	< 0.001	0.260	2.83	– > 120 black muck
to D W11 K	< 0.1	< 100	< 0.05	1.7	< 0.01	< 0.05	318	7.26	7.1	7.1	1.160	< 0.05	< 0.1	0.040	0.660	3.12	– 10 sand - rock
10 C W12 K	< 0.1	< 100	< 0.05	2.6	< 0.01	< 0.05	236	8.74	12.4	< 0.3	1.330	0.35	< 0.1	0.100	0.850	3.42	– 5 clay
< 125 µm W13 TC(at 15 cm)	< 0.1	< 100	< 0.05	13.2	< 0.01	< 0.05	116	32.50	58.0	18.1	4.710	0.99	0.8	0.240	1.620	8.34	– 2 greenish, 15 beige clay
8 CT W14 K	< 0.1	500	< 0.05	2.3	< 0.01	< 0.05	248	9.24	11.2	9.6	1.420	< 0.05	< 0.1	0.030	0.350	3.00	– swamp edge
W15 50% C of W4	< 0.1	< 100	< 0.05	4.3	1.39	< 0.05	288	13.90	20.9	11.6	1.950	0.49	< 0.1	0.150	0.710	4.20	– from siltballs picked out.
W16 60% Dc of W12	< 0.1	700	< 0.05	3.1	< 0.01	< 0.05	102	9.59	13.2	4.2	1.480	0.41	< 0.1	0.100	0.700	6.01	– subround sand dregs of swirling
0 W17 = W10	< 0.1	< 100	< 0.05	0.6	< 0.01	< 0.05	254 219	6.08 ✓	11.7 ✓	6.4 0	1.000 ✓	< 0.05	< 0.1	< 0.001	< 0.005	2.81 ✓	– same sievings as W10
W18 Shaft Test	< 0.1	< 100	< 0.05	2.2	< 0.01	< 0.05	266 ✓	6.68 ✓	10.2 ✓	< 0.3	1.280	0.38	< 0.1	0.180	1.080	3.32	

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

Report No.: **A22-16672**
Report Date: **25-Jan-23**
Date Submitted: **09-Nov-22**
Your Reference: **W-LG-NA2**

Hermann Daxl

ATTN: Hermann Daxl

CERTIFICATE OF ANALYSIS

49 Vial samples were submitted for analysis. medium vials (7 cm^3) packed full with decayed vegetation

The following analytical package(s) were requested:		Testing Date:
2B-~~Mg~~ see mass	QOP INAAGEO (Vegetation INAA)	2022-11-30 11:22:16

not briquettes neutron activation, double irradiation time

REPORT **A22-16672**

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

Notes:

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

SCC Accredited LAB
Accredite CCN
LabID: 266

CERTIFIED BY:

Mark Vandergeest
Quality Control
Coordinator

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Decayed vegetation 0-6 cm depth (K)
sieved < 250 micron, or as marked. **Results**

By neutron activation, 2 B Vegetation, double irradiation time, 7 cm^3 vials.

Activation Laboratories Ltd. **Report: A22-16672**

Still Vol.%	Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hg	Hf	Ir	K	Mo	Na	Ni	Rb	Sb	Sc
	Unit Symbol	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppb	%	ppm	ppm	ppm	ppm	ppm	ppm
	Detection Limit	0.1	0.3	0.01	5	0.01	0.01	0.1	0.3	0.05	0.005	0.05	0.05	0.1	0.01	0.05	1	2	1	0.005	0.01
	Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
	COF 3 blank	< 0.1	< 0.3	< 0.01	< 5	12.00	0.19	0.4	0.8	< 0.05	< 0.005	< 0.05	< 0.05	< 0.1	0.34	< 0.05	53	< 2	26	< 0.005	0.12
3 D	W 19 K 125-250	89.6	< 0.3	12.00	123	8.28	< 0.01	2.0	56.1	0.84	0.910	0.63	0.29	< 0.1	0.37	< 0.05	4410	< 2	< 1	0.720	3.02
20 C	W 20 K 125-250	26.8	< 0.3	8.52	208	6.10	< 0.01	23.3	476.0	6.21	2.670	< 0.05	1.49	< 0.1	0.30	< 0.05	8040	244	53	0.410	7.98
1 D	W 21 K	116.0	< 0.3	11.30	47	10.80	0.82	4.0	44.6	1.61	0.880	0.94	0.32	< 0.1	0.37	< 0.05	2880	< 2	< 1	0.690	2.66
100 C	W 22 C surface <25	25.9	< 0.3	2.66	348	3.59	< 0.01	10.1	62.1	4.31	1.930	0.69	4.08	< 0.1	0.19	5.30	13000	< 2	98	0.240	6.11
20 CD	W 23 K 125-250	23.7	< 0.3	48.20	267	6.41	1.19	7.5	43.7	2.69	1.090	0.53	2.04	< 0.1	0.23	< 0.05	6360	< 2	42	0.250	3.55
0	W 24 M 70 <125	< 0.1	< 0.3	6.70	66	12.50	2.65	6.5	18.1	1.78	0.730	0.46	0.17	< 0.1	0.36	0.40	749	< 2	< 1	0.080	2.45
0	W 25 K	56.2	< 0.3	8.37	36	11.30	0.69	2.9	33.4	< 0.05	0.670	0.10	0.08	< 0.1	0.32	< 0.05	1890	< 2	< 1	0.390	1.97
0	W 26 K	84.0	< 0.3	11.20	42	11.40	1.02	4.0	54.1	< 0.05	0.810	< 0.05	0.23	< 0.1	0.41	< 0.05	2760	< 2	< 1	0.500	2.59
0	W 27 K	73.8	< 0.3	10.50	31	12.10	2.22	4.4	46.1	< 0.05	0.750	< 0.05	0.25	< 0.1	0.40	< 0.05	2730	< 2	< 1	0.400	2.40
10 DT	W 28 K 125-250	45.1	< 0.3	9.08	199	6.14	1.26	7.2	53.4	3.56	1.280	0.13	1.73	< 0.1	0.38	< 0.05	8100	< 2	39	0.360	4.84
1 DT	W 29 K	46.7	< 0.3	4.98	177	5.44	0.81	12.2	161.0	2.49	1.350	0.73	1.25	< 0.1	0.35	< 0.05	5640	< 2	18	0.330	5.04
1 D	W 30 K	46.1	< 0.3	9.47	202	6.30	1.29	10.3	63.0	1.63	1.520	0.45	1.60	< 0.1	0.36	< 0.05	6640	< 2	37	0.410	4.19
100 C	W 31 C surface	6.4	< 0.3	5.68	332	5.13	1.00	18.0	88.0	7.11	3.440	< 0.05	2.88	< 0.1	0.15	0.61	6950	< 2	162	0.310	8.73
10 CT	W 32 K	8.6	< 0.3	3.51	272	7.43	1.40	6.2	38.0	2.99	1.310	< 0.05	2.96	< 0.1	0.29	< 0.05	7700	< 2	54	0.160	4.12
2 T	W 33 K	18.3	< 0.3	4.42	167	8.64	1.29	6.3	37.1	1.60	1.140	0.41	1.47	< 0.1	0.29	< 0.05	6150	< 2	31	0.260	3.70
0	W 34 K	21.8	< 0.3	5.88	78	12.20	2.35	4.1	33.6	< 0.05	0.710	< 0.05	0.99	< 0.1	0.30	< 0.05	4510	< 2	42	0.340	2.42
80 DTC	W 35 Tk	14.8	< 0.3	3.53	327	4.83	0.51	7.3	47.5	3.30	1.490	< 0.05	3.66	< 0.1	0.16	< 0.05	11400	< 2	61	0.170	4.83
1 T	W 36 K on rock	72.6	< 0.3	8.61	83	7.37	1.24	8.4	56.6	1.09	1.070	0.43	0.87	< 0.1	0.34	< 0.05	3680	< 2	< 1	0.600	5.83
100 C	W 37 C30	< 0.1	< 0.3	4.71	403	1.38	< 0.01	19.2	111.0	10.20	4.540	< 0.05	3.32	< 0.1	0.12	2.00	8230	< 2	113	0.330	12.10
2 T	W 38 K	50.1	< 0.3	5.53	86	5.47	0.31	4.5	41.7	< 0.05	0.840	< 0.05	1.39	< 0.1	0.38	< 0.05	5990	< 2	< 1	0.430	3.07
2 T	W 39 K	181.0	< 0.3	14.60	188	9.89	2.23	8.5	65.8	< 0.05	1.480	< 0.05	0.96	< 0.1	0.37	< 0.05	6000	< 2	< 1	0.430	5.09
0	W 40 K	148.0	< 0.3	8.11	41	11.00	2.79	4.5	40.5	< 0.05	0.840	0.12	0.20	< 0.1	0.32	< 0.05	2590	< 2	< 1	0.620	2.46
0	W 41 K	43.2	< 0.3	9.18	200	8.12	3.07	10.5	54.6	< 0.05	1.450	< 0.05	1.00	< 0.1	0.33	< 0.05	4420	< 2	< 1	0.560	3.99
80 Td	W 42 DREGS (W 32)	8.7	< 0.3	2.62	326	4.02	1.82	4.5	34.3	< 0.05	1.110	< 0.05	3.48	< 0.1	0.21	< 0.05	14000	< 2	57	0.190	3.94
	W 43 = W 8	71.7 97	< 0.3	9.13 13	32	14.40	1.70	3.9	41.3	< 0.05	0.700	0.09	0.25	< 0.1	0.35	< 0.05	2480	< 2	< 1	0.400	2.24
	W 44 = W 25	57.3 ✓	< 0.3	8.91 ✓	45	11.30 ✓	1.42	1.3	34.7 ✓	< 0.05	0.650 ✓	< 0.05	0.32	< 0.1	0.44	< 0.05	1910 ✓	< 2	< 1	0.390 ✓	2.09 ✓
	W 45 OREAS 45 h	23.4 ?	< 0.3	15.10	335	6.24	< 0.01	83.8	571.0	< 0.05	17.400	< 0.05	4.81	< 0.1	0.17	3.48	907	305	< 1	0.660	49.50
1 T	REM 1 K	43.7	< 0.3	23.70	111	8.67	0.65	11.3	33.2	< 0.05	1.630	0.44	1.81	< 0.1	0.35	2.72	3150	< 2	33	1.270	2.40
0	REM 2 K	55.0	< 0.3	14.60	78	11.50	< 0.01	4.4	29.0	0.29	1.290	1.01	0.53	< 0.1	0.42	< 0.05	1820	< 2	< 1	1.220	1.63
0	REM 3 K	4.9	< 0.3	2.67	257	9.29	< 0.01	4.3	22.0	< 0.05	0.910	< 0.05	2.43	< 0.1	0.33	< 0.05	5390	< 2	24	0.390	3.22
0	REM 4 K	51.9	< 0.3	8.61	175	8.03	2.00	5.9	43.5	< 0.05	0.630	0.67	0.26	< 0.1	0.41	< 0.05	1980	< 2	< 1	0.520	1.98
0	REM 5 K	39.2	< 0.3	8.80	< 5	8.94	< 0.01	3.8	32.0	0.72	0.700	< 0.05	0.34	< 0.1	0.36	< 0.05	2280	< 2	28	0.390	2.25
10 DC	REM 6 K	140.0	< 0.3	10.90	225	9.34	0.93	9.4	55.1	1.73	1.450	< 0.05	2.14	< 0.1	0.33	< 0.05	6470	< 2	49	0.420	5.43
90 D	REM 7 DREGS (REM 6)	40.7	< 0.3	2.74	380	3.04	1.86	4.0	32.0	< 0.05	0.820	< 0.05	2.79	< 0.1	0.13	< 0.05	17500	< 2	79	< 0.005	3.69

DTC = Sand, silt, clay, d = minor sand, estimated volume % still in sample despite swirling.
M 70 = Black swamp muck at 70 cm depth. C30 = Clay at 30 cm depth.

Results **Activation Laboratories Ltd.** **Report: A22-16672**

	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
	COF 3 blank	< 0.1	< 100	< 0.05	< 0.1	0.07	< 0.05	< 2	0.44	0.3	< 0.3	0.050	< 0.05	< 0.1	< 0.001	< 0.005	4.17
3 D	W 19 K 125-250	1.6	< 100	< 0.05	1.1	< 0.01	< 0.05	151	5.12	7.8	2.1	0.830	0.18	< 0.1	0.040	0.160	3.53
20 C	W 20 K 125-250	< 0.1	< 100	< 0.05	1.7	0.27	< 0.05	187	6.58	12.4	9.5	1.030	0.14	< 0.1	0.060	0.510	4.24
1 D	W 21 K	< 0.1	< 100	< 0.05	1.0	< 0.01	0.75	229	4.55	7.1	3.6	0.720	0.06	< 0.1	0.030	0.470	3.27
100 C	W 22 Csurf <125	< 0.1	< 100	< 0.05	4.3	0.48	< 0.05	43	16.20	25.6	24.1	2.420	0.79	< 0.1	0.110	1.030	7.45
20 D	W 23 K 125-250	< 0.1	< 100	< 0.05	2.7	0.30	< 0.05	214	9.53	15.0	6.2	1.480	0.36	< 0.1	0.040	0.570	4.61
θ	W 24 M70 <125	< 0.1	< 100	< 0.05	3.7	0.36	< 0.05	52	23.40	33.3	50.2	3.260	0.61	< 0.1	0.050	0.630	3.65
θ	W 25 K	< 0.1	< 100	< 0.05	0.7	< 0.01	0.53	191	3.15	5.0	2.0	0.590	0.09	< 0.1	0.010	0.200	3.45
θ	W 26 K	< 0.1	< 100	< 0.05	1.2	< 0.01	0.90	202	4.27	7.8	2.4	0.720	0.06	< 0.1	0.020	0.160	3.44
θ	W 27 K	< 0.1	< 100	< 0.05	1.0	< 0.01	0.57	147	3.96	7.5	4.4	0.710	0.18	< 0.1	0.050	0.300	3.44
10 DT	W 28 K 125-250	< 0.1	< 100	< 0.05	2.4	< 0.01	< 0.05	186	6.34	12.7	4.5	1.130	0.17	0.1	0.060	0.510	4.18
1 DT	W 29 K	< 0.1	< 100	< 0.05	1.6	0.33	< 0.05	213	5.19	9.9	< 0.3	0.950	0.43	< 0.1	0.030	0.440	3.84
1 D	W 30 K	< 0.1	< 100	< 0.05	2.7	0.48	< 0.05	260	10.10	17.1	11.4	1.600	0.36	< 0.1	0.080	0.520	4.11
100 C	W 31 C surface	< 0.1	< 100	< 0.05	9.4	1.35	< 0.05	142	24.40	41.7	30.6	3.330	0.75	< 0.1	0.120	1.240	7.34
10 CT	W 32 K	< 0.1	300	< 0.05	4.1	1.13	< 0.05	94	14.40	23.4	18.8	2.300	0.67	< 0.1	0.090	0.830	4.65
2 T	W 33 K	< 0.1	< 100	< 0.05	3.2	0.34	< 0.05	136	11.00	15.4	25.0	1.770	0.52	< 0.1	0.060	0.540	4.30
θ	W 34 K	< 0.1	< 100	< 0.05	2.2	0.08	< 0.05	178	7.53	12.0	4.4	1.240	0.27	< 0.1	0.040	0.320	4.17
80 DTC	W 35 Tk	< 0.1	< 100	< 0.05	4.9	0.77	< 0.05	57	13.80	23.0	21.6	2.170	0.60	< 0.1	0.100	0.780	6.32
1 T	W 36 K on rock	< 0.1	< 100	< 0.05	1.0	0.12	< 0.05	338	5.13	8.2	3.3	1.040	0.28	< 0.1	0.060	0.530	3.66
100 C	W 37 C 30	< 0.1	< 100	< 0.05	15.9	1.21	< 0.05	114	50.50	71.7	61.8	6.600	1.48	< 0.1	0.260	1.850	9.03
2 T	W 38 K	< 0.1	< 100	< 0.05	1.6	0.20	< 0.05	196	4.99	8.7	11.9	0.850	0.32	< 0.1	0.020	0.410	3.53
2 T	W 39 K	< 0.1	< 100	< 0.05	1.7	< 0.01	5.60	237	7.37	13.3	6.8	1.650	0.33	< 0.1	0.040	0.520	4.01
θ	W 40 K	< 0.1	< 100	< 0.05	1.4	< 0.01	0.58	203	3.84	7.3	3.4	0.740	0.12	0.2	< 0.001	0.130	3.39
θ	W 41 K	< 0.1	< 100	< 0.05	3.2	0.21	< 0.05	463	10.40	17.9	18.0	1.670	0.36	< 0.1	0.040	0.500	4.17
80 Td	W 42 DREGS OF W32	< 0.1	< 100	< 0.05	3.4	0.57	< 0.05	77	11.10	20.5	13.0	1.990	0.58	< 0.1	0.100	0.650	7.26
	W 43 = W 8	< 0.1	< 100	< 0.05	0.8	< 0.01	1.00	199	3.41	6.3	3.6	0.700	0.07	< 0.1	0.010	0.110	3.38
	W 44 = W 25	< 0.1	< 100	< 0.05	0.9	< 0.01	0.57 ✓	197 ✓	3.18 ✓	6.0	< 0.3	0.640	< 0.05	< 0.1	0.030	0.110	3.20
	W 45 OREAS 45h	< 0.1	< 100	< 0.05	7.0	1.88	< 0.05	< 2	11.60	21.3	9.7	2.310	0.56	< 0.1	0.120	1.470	7.64
1 T	REM 1 K	11.1	< 100	< 0.05	1.9	< 0.01	0.80	1660	7.82	14.5	26.6	1.420	0.32	< 0.1	0.100	0.590	3.47
θ	REM 2 K	7.4	< 100	< 0.05	1.0	< 0.01	< 0.05	770	3.80	7.5	2.8	0.890	0.07	< 0.1	0.130	0.570	3.20
θ	REM 3 K	< 0.1	< 100	< 0.05	3.1	0.59	< 0.05	304	11.80	23.6	26.2	2.110	0.53	< 0.1	0.090	0.730	4.03
θ	REM 4 K	< 0.1	< 100	< 0.05	1.0	< 0.01	< 0.05	475	5.98	14.5	3.0	1.040	0.09	< 0.1	0.050	0.370	3.43
θ	REM 5 K	< 0.1	< 100	< 0.05	1.4	< 0.01	< 0.05	287	4.84	9.6	3.1	0.830	0.20	< 0.1	0.010	0.320	3.70
10 DC	REM 6 K	< 0.1	< 100	< 0.05	3.5	0.75	0.69	125	10.50	20.9	17.4	1.720	0.52	< 0.1	0.100	0.740	4.26
90 D	REM 7 DREGS OF REM 6	< 0.1	300	< 0.05	2.6	< 0.01	< 0.05	< 2	7.51	14.5	16.4	1.290	0.24	< 0.1	0.060	0.470	9.07

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To: **HERMANN DAXL**

Finalized Date: 20-JUL-2022
Account: DAXHER

CERTIFICATE VA22175232

Project: WH-MUS-VEG

This report is for 21 samples of Decayed Vegetation from 0-6 cm depth (K) submitted to our lab in Vancouver, BC, Canada on 28-JUN-2022. as < 250 µm sievings — no prep needed,

The following have access to data associated with this certificate:

HERMANN DAXL		analyze as is.

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS41L	Super Trace Lowest DL AR by ICP-MS Aqua Regia ~0.45 g	

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

***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, Director, North Vancouver Operations

ALS Canada Ltd: By Supertrace ICP-MS - Aqua Regia - 0.45g <250 µm sievings as is, no prep.

Still Vol% DTC	Sample Description		VA22175232 ME-MS41L Au ppb	VA22175232 ME-MS41L Ag ppm	VA22175232 ME-MS41L Al %	VA22175232 ME-MS41L As ppm	VA22175232 ME-MS41L B ppm	VA22175232 ME-MS41L Ba ppm	VA22175232 ME-MS41L Be ppm	VA22175232 ME-MS41L Bi ppm
	BLWK	blank ✓	<0.2	0.028	0.24	0.93	10	33.9	0.13	0.0217
0	W2 K	clayey	16.0	0.433	1.06	8.40	10	80.5	0.31	0.2470
0	W5 K	clayey	45.7	0.399	1.02	11.20	10	84.4	0.30	0.2990
0	W8 K		35.2	0.999	0.31	12.60	10	26.3	0.06	0.4970
tr D	W11 K		80.3	2.310	0.34	16.25	<10	54.7	0.04	0.7980
8 CT	W14 K		164.5	1.385	0.28	16.75	<10	73.7	0.05	0.5650

	Sample Description		VA22175232 ME-MS41L Ca %	VA22175232 ME-MS41L Cd ppm	VA22175232 ME-MS41L Ce ppm	VA22175232 ME-MS41L Co ppm	VA22175232 ME-MS41L Cr ppm	VA22175232 ME-MS41L Cs ppm	VA22175232 ME-MS41L Cu ppm	VA22175232 ME-MS41L Fe %
	BLWK	blank ✓	2.53	0.369	5.07	0.611	3.17	0.130	7.47	0.193
0	W2 K	clayey	2.02	1.260	21.80	6.540	32.80	0.832	117.50	1.370
0	W5 K	clayey	1.91	1.835	22.30	7.190	36.00	0.812	127.00	1.410
0	W8 K		2.22	2.110	5.37	3.930	30.80	0.156	237.00	0.780
tr D	W11 K		0.52	2.260	6.90	4.100	41.70	0.528	328.00	1.030
8 CT	W14 K		0.59	1.920	8.87	3.370	35.10	0.649	251.00	0.840

	Sample Description		VA22175232 ME-MS41L Ga ppm	VA22175232 ME-MS41L Ge ppm	VA22175232 ME-MS41L Hf ppm	VA22175232 ME-MS41L Hg ppm	VA22175232 ME-MS41L In ppm	VA22175232 ME-MS41L K %	VA22175232 ME-MS41L La ppm	VA22175232 ME-MS41L Li ppm
	BLWK	blank ✓	0.513	0.021	0.036	0.105	<0.005	0.01	2.690	0.1
0	W2 K	clayey	3.650	0.055	0.075	0.117	0.167	0.18	11.300	12.6
0	W5 K	clayey	3.690	0.061	0.060	0.123	0.194	0.19	11.150	11.8
0	W8 K		1.100	0.038	0.032	0.224	0.425	0.07	2.520	2.6
tr D	W11 K		1.300	0.045	0.018	0.591	0.742	0.07	3.260	2.3
8 CT	W14 K		1.365	0.046	0.029	0.257	0.419	0.06	4.010	1.8

	Sample Description		VA22175232 ME-MS41L Mg %	VA22175232 ME-MS41L Mn ppm	VA22175232 ME-MS41L Mo ppm	VA22175232 ME-MS41L Na %	VA22175232 ME-MS41L Nb ppm	VA22175232 ME-MS41L Ni ppm	VA22175232 ME-MS41L P %	VA22175232 ME-MS41L Pb ppm
	BLWK	blank ✓	0.15	57.6	0.37	0.006	0.169	3.86	0.035	1.165
0	W2 K	clayey	0.43	296.0	0.36	0.011	1.150	19.00	0.068	31.400
0	W5 K	clayey	0.48	344.0	0.39	0.011	1.195	21.60	0.074	37.100
0	W8 K		0.32	728.0	0.56	0.035	0.147	16.55	0.069	82.900
tr D	W11 K		0.23	327.0	0.93	0.007	0.135	24.00	0.081	127.000
8 CT	W14 K		0.20	104.5	0.73	0.007	0.198	22.60	0.069	91.300

Still Vol. % sand silt clay	Sample Description	VA22175232 ME-MS41L Pd ppb	VA22175232 ME-MS41L Pt ppb	VA22175232 ME-MS41L Rb ppm	VA22175232 ME-MS41L Re ppm	VA22175232 ME-MS41L S %	VA22175232 ME-MS41L Sb ppm	VA22175232 ME-MS41L Sc ppm	VA22175232 ME-MS41L Se ppm
	BLWK blank ✓	<1	<2	0.532	0.0013	0.18 ✓	0.050	0.378	1.030
ϕ	W2 K clayey	<1	<2	17.650	0.0003	0.12	0.221	2.170	0.976
ϕ	W5 K clayey	3	<2	20.800	0.0005	0.12	0.212	2.150	1.155
ϕ	W8 K	2	2	2.830	0.0004	0.18	0.411	0.915	1.905
tr D	W11 K	3	2	5.490	0.0011	0.21	0.627	1.185	3.530
8 CT	W14 K	1	<2	3.730	0.0007	0.22	0.468	1.035	2.260

	Sample Description	VA22175232 ME-MS41L Sn ppm	VA22175232 ME-MS41L Sr ppm	VA22175232 ME-MS41L Ta ppm	VA22175232 ME-MS41L Te ppm	VA22175232 ME-MS41L Th ppm	VA22175232 ME-MS41L Ti %	VA22175232 ME-MS41L Tl ppm	VA22175232 ME-MS41L U ppm
	BLWK blank ✓	0.06	80.00 ✓	0.005	0.005	0.155	0.005	0.012	0.364
ϕ	W2 K clayey	0.73	34.90	<0.005	0.026	1.230	0.042	0.094	0.426
ϕ	W5 K clayey	0.89	40.20	<0.005	0.035	0.944	0.044	0.092	0.361
ϕ	W8 K	1.18	35.60	<0.005	0.040	0.288	0.006	0.098	0.121
tr D	W11 K	2.10	19.05	<0.005	0.041	0.318	0.004	0.206	0.110
8 CT	W14 K	1.40	30.60	<0.005	0.043	0.508	0.009	0.127	0.123

	Sample Description	VA22175232 ME-MS41L V ppm	VA22175232 ME-MS41L W ppm	VA22175232 ME-MS41L Y ppm	VA22175232 ME-MS41L Zn ppm	VA22175232 ME-MS41L Zr ppm
	BLWK blank ✓	4.4	0.011	1.410	15.2	1.54
ϕ	W2 K clayey	22.8	0.547	3.150	213.0	3.36
ϕ	W5 K clayey	24.3	0.307	3.400	263.0	2.82
ϕ	W8 K	8.4	1.030	0.833	195.5	1.21
tr D	W11 K	10.7	0.775	0.770	285.0	0.74
8 CT	W14 K	11.3	0.605	0.731	204.0	1.25

– M20Q-205 WARK ✓

K = decayed vegetation 0-6 cm depth

DTC = Sand, silt, clay content in volume percent.

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To: HERMANN DAXL

Finalized Date: 12-JAN-2023
Account: DAXHER

CERTIFICATE VA22331979

Project: WH-VEG2

This report is for 44 samples of Vegetation (Decayed sieved < 250) submitted to our lab in Vancouver, BC, Canada on 16-NOV-2022. (To analyze as is, no further prep.)

The following have access to data associated with this certificate:

HERMANN DAXL

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION (~0.42 g aliquots)	INSTRUMENT
ME-MS41L	Super Trace Lowest DL AR by ICP-MS (aqua regia)	

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

***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, Director, North Vancouver Operations

Decayed Vegetation 0-6 cm depth (K)
sieved < 250 µm, or as marked

BY ALS - supertrace - aqua regia
~ 0.42 g aliquots

			VA22331979	VA22331979	VA22331979	VA22331979	VA22331979	VA22331979	VA22331979	VA22331979
	Sample		ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
	Description		Au **		Al	As	B	Ba	Be	Bi
Still Vol. %			ppb		%	ppm	ppm	ppm	ppm	ppm
	158	blank M	<0.2		0.25	0.90	<10	24.5	0.11	0.0191
50C 3D	W3	KC	75.4		1.15	9.24	10	63.5	0.34	0.2960
15C	W4	K	22.1		0.59	14.70	10	72.3	0.13	0.4220
50C	W6	KC	49.6		0.78	12.65	10	55.0	0.20	0.2990
0	W7	K	32.3		1.375	0.28	16.75	10	29.7	0.05	0.5890
0	W9	K	125.0		1.885	0.32	13.90	10	28.6	0.05	0.7380
0	W10	K	63.8		2.200	0.29	18.10	10	22.5	0.04	0.5890
10C 1D	W12	K	66.5		1.180	0.45	10.15	<10	68.0	0.08	0.3970
100 TC	W13	TC15	4.9	<125	0.024	2.61	2.57	10	117.5	0.78	0.1600
50C	W15	KC (W4)	31.1		0.629	0.64	12.35	10	65.9	0.14	0.3200
60 D10C	W16	KC (W12)	10.0		0.489	0.27	5.00	<10	29.9	0.05	0.1985
3D	W19	K	55.1	125-250	2.190	0.34	14.55	<10	40.8	0.04	0.9000
20C	W20	K	30.6	125-250	0.980	0.76	11.30	<10	133.0	0.11	0.3560
1D	W21	K	133.5		2.250 ✓	0.29	16.45 ✓	<10	47.7 ✓	0.05	0.8420 ✓
100 C	W22	C Surface	4.4	<125	0.187	1.23	3.38	<10	59.0	0.29	0.1595
20 CD	W23	K	12.6	125-250	0.729	0.65	70.80	10	68.9	0.16	0.3180
0	W24	M70	1.0	<125	0.108	0.87	8.81	10	88.5	0.39	0.0403
0	W25	K	49.2		0.915	0.23	12.15	10	39.2	0.04	0.5060
0	W26	K	56.0		1.830	0.26	15.00	10	27.5	0.04	0.5520
0	W27	K	69.1		1.300	0.28	15.35	10	16.7	0.05	0.6520
10 DT	W28	K	38.0	125-250	0.858	0.52	10.90	<10	59.7	0.08	0.4340
1 DT	W29	K	31.1		0.840	0.49	9.27	<10	75.3	0.06	0.5470
1 D	W30	K	105.5		0.866	0.84	14.40	10	103.0	0.20	0.5820
100 C	W31	C surface	4.2		0.271	2.63	6.12 ✓	10	111.0	0.93	0.2790 ✓
10 CT	W32	K	10.9		0.257	0.78	4.27	10	50.7	0.28	0.1715
2T	W33	K	51.9		0.734	0.75	6.60	10	40.2	0.22	0.2940
0	W34	K	23.2		0.800	0.40	8.41	10	34.4	0.14	0.3000
80 DTC	W35	Tk	35.2		0.311	0.92	3.85	10	56.3	0.27	0.1850
1T	W36	K on rock	79.7		1.215	0.41	13.15	10	98.9	0.08	0.7530
100C	W37	C30	1.3		0.228	3.97	5.87 ✓	20	190.5	1.55	0.2690 ✓
2T	W38	K	153.5		0.944	0.36	7.89	<10	101.0	0.06	0.5970
2T	W39	K	36.4		0.893	0.52	19.85	10	44.8	0.08	0.4170
0	W40	K	66.7	47.1	1.760 ✓	0.28	10.85 ✓	10	25.3	0.04	0.5980
0	W41	K	38.6		1.365	0.81	13.20	10	124.0	0.26	0.7410
vs.4 acid	W46	OREAS 45e	49.0		0.223	3.17	12.05	10	137.5	0.42	0.2260
	RW11 = W11		114.5	?	2.270 ✓	0.35 ✓	15.95 ✓	<10	58.0 ✓	0.04	0.9420
	RW27 = W27		129.5	?	1.400 ✓	0.28 ✓	15.25 ✓	10	16.8 ✓	0.05	0.6720 ✓
1T	REM 1	K	31.7		4.410	0.54	35.80	10	107.5	0.14	4.0800
0	REM 2	K	52.1		2.960	0.26	19.90	<10	58.8	0.03	2.8800
0	REM 3	K	3.8		0.351	0.51	4.09	10	51.6	0.20	0.3610
0	REM 4	K	45.2		0.824	0.29	11.70	10	128.5	0.09	0.7540
0	REM 5	K	29.7		0.692	0.39	11.60	10	63.5	0.10	0.5370
10 DC	REM 6	K	116.0		0.202	0.84	13.90	10	68.3	0.22	0.1945
60 DTC	REM 8	(REM3)	1.6		0.129	0.30	1.94	<10	21.1	0.12	0.1505

* GOLD values like in W40, repeated as 47.1 ppb, vary considerably due to only 0.42 g aliquots.
DTC = Sand, silt, or clay content, by volume %, remaining in sample.
M70 Black Muck at 70 cm depth, C30 Clay at 30 cm depth

** SEE INAA BY ACTLABS FOR RELIABLE GOLD VALUES.

			VA22331979	VA22331979	VA22331979	VA22331979	VA22331979	VA22331979	VA22331979	VA22331979
	Sample		ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
	Description		Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
Still Vol.%			%	ppm	ppm	ppm	ppm	ppm	ppm	%
	158	blank M	1.96	0.214	3.12	0.509	2.51	0.070	4.65	0.148
50 C 3D	W3	KC	1.01	1.470	29.30	7.510	40.90	0.964	107.50	1.450
15 C	W4	K	1.28	2.610	13.35	6.310	37.30	0.494	178.00	0.960
50 C	W6	KC	1.45	1.555	18.30	6.290	34.50	0.595	104.00	1.200
0	W7	K	1.42	2.770	5.17	3.870	36.60	0.142	307.00	0.770
0	W9	K	1.57	2.140	6.45	3.600	44.60	0.141	340.00	0.950
0	W10	K	1.31	2.250	5.66	4.140	46.40	0.115	226.00	0.890
10 C 1D	W12	K	0.64	1.305	6.90	5.440	25.40	0.882	156.50	0.920
100 TC	W13	TC 15	0.51	<125	0.072	61.20	14.350	74.70	2.350	21.30	3.020
50 C	W15	KC (W14)	1.12		2.030	14.45	6.060	34.70	0.550	149.00	0.980
60 D 10 C	W16	KC (W12)	0.29		0.538	5.70	2.680	14.90	0.515	74.70	0.580
3 D	W19	K	0.25	125-250	2.120	5.36	3.140	32.10	0.432	295.00	0.870
20 C	W20	K	0.74	125-250	1.375	8.63	20.000	376.00 476 NA	3.020	134.00	2.080
1 D	W21	K	0.45		2.480 ✓	4.74	3.560	28.00	0.416	306.00 ✓	0.840
100 C	W22	C surface	0.46	<125	0.361	26.50	7.560	38.00	1.020	29.40	1.500
20 CD	W23	K	1.04	125-250	1.400	15.35	6.850	28.00	0.648	113.50	0.980
0	W24	M 70	2.93	<125	0.385	44.90	5.170	16.10	0.581	24.90	0.800
0	W25	K	1.41		2.000	4.29	3.170	25.60	0.116	236.00	0.680
0	W26	K	1.64		2.140	5.02	3.250	37.70	0.112	286.00	0.820
0	W27	K	2.21		1.840	5.44	3.880	35.00	0.121	272.00	0.830
10 DT	W28	K	0.61	125-250	1.340	7.23	5.580	27.70	0.816	130.50	1.050
1 DT	W29	K	1.03		2.130	6.38	9.270	136.50 161 NA	0.983	151.00	0.980
1 D	W30	K	0.92		1.450	21.80	11.200	48.70	0.705	188.00	1.500
100 C	W31	C surface	1.10		0.633	49.70	16.800	71.50 88 NA	1.900	47.70	3.470
10 CT	W32	K	1.33		0.839	26.30	5.200	22.20	0.547	40.70	1.070
2 T	W33	K	1.49		1.325	17.40	5.030	25.70	0.511	101.50	1.050
0	W34	K	1.79		2.120	12.55	3.670	17.65	0.256	135.50	0.700
80 DTC	W35	Tk	0.69		0.618	23.40	6.390	28.00	0.820	45.60	1.210
1 T	W36	K on rock	1.35		2.990	6.93	8.380	30.20	0.489	272.00	0.980
100 C	W37	C 30	0.88		0.064	99.10	19.700	92.00 111 NA	2.750	42.40	4.950
2 T	W38	K	0.54		1.400	5.34	2.910	24.10	0.561	187.00	0.740
2 T	W39	K	1.55		1.995	11.35	9.090	46.40	0.200	184.00	1.370
0	W40	K	1.79		1.865	5.03	3.990	27.70	0.093	304.00 ✓	0.900 ✓
0	W41	K	2.12		4.030	20.50	11.550	~~360.00~~ 54 NA	0.588	680.00	1.640
vs.4 acid	W46	OR.45e	0.03		0.016	16.10	49.200	865.00	0.638	717.00	23.500
	RW11 = W11		0.54 ✓		2.380 ✓	6.76 ✓	4.170 ✓	45.00 ✓	0.500 ✓	342.00 ✓	1.060 ✓
	RW27 = W27		2.35 ✓		1.900 ✓	4.89	3.920 ✓	33.70 ✓	0.114 ✓	284.00 ✓	0.840 ✓
1 T	REM 1	K	1.35		22.700	12.50	13.650	21.20	0.428	2340.00	1.870
0	REM 2	K	0.35		7.990	4.43	5.810	17.25	0.392	1320.00	1.260
0	REM 3	K	1.96		2.560	20.50	3.950	15.40	0.362	180.00	0.790
0	REM 4	K	2.25		4.510	10.45	5.920	33.40	0.166	434.00	0.610
0	REM 5	K	1.53		2.650	7.77	4.600	26.40	0.344	256.00	0.670
10 DC	REM 6	K	1.41		0.814	15.05	7.120	36.10	0.527	44.10	1.310
60 DTC	REM 8	(REM 3)	0.91		0.967	16.45	2.080	9.43	0.215	73.20	0.490

Cr in W20 and W29 reflects ultramafic, otherwise clay as also does Co.

			VA22331979		VA22331979	VA22331979	VA22331979	VA22331979	VA22331979	VA22331979	VA22331979
	Sample		ME-MS41L		ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
	Description		Ga		Ge	Hf	Hg	In	K	La	Li
Still Vol.%			ppm		ppm	ppm	ppm	ppm	%	ppm	ppm
	158	blank M	0.533		0.035	0.017	0.084	<0.005	<0.01	1.74	0.2
50C3D	W3	KC	4.730		0.068	0.044	0.096	0.160	0.14	16.80	12.6
15 C	W4	K	2.670		0.057	0.020	0.156	0.299	0.07	6.53	6.5
50 C	W6	KC	3.260		0.066	0.044	0.097	0.187	0.13	8.37	9.4
0	W7	K	1.040		0.055	0.024	0.189	0.481	0.08	2.54	2.5
0	W9	K	1.280		0.057	0.030	0.297	0.634	0.07	3.17	2.8
0	W10	K	1.130		0.058	0.026	0.218	0.447	0.07	2.77	2.5
10C1D	W12	K	3.410		0.036	0.006	0.211	0.263	0.06	3.56	3.6
100TC	W13	TC15	9.440	<125	0.123	0.266	0.024	0.025	0.30	23.00	33.6
50 C	W15	KC(W14)	2.580		0.049	0.019	0.151	0.226	0.07	6.61	7.4
60D10C	W16	KC(W12)	2.060		0.026	0.006	0.082	0.113	0.03	2.87	2.6
3D	W19	K	1.335	125-250	0.047	0.010	0.468	0.733	0.07	2.64	2.0
20 C	W20	K	4.290	125-250	0.052	0.019	0.197	0.210	0.10	4.12	11.4
1 D	W21	K	1.135		0.050	0.013	0.491	0.742 ✓	0.08	2.46	1.5
100 C	W22	Csurface	5.660	<125	0.063	0.021	0.053	0.057	0.10	12.10	14.8
20CD	W23	K	3.100	125-250	0.057	0.018	0.117	0.173	0.11	7.11	8.2
0	W24	M70	1.845	<125	0.083	0.104	0.085	0.010	0.03	27.20	3.6
0	W25	K	0.823		0.053	0.019	0.228	0.390	0.09	2.10	1.9
0	W26	K	0.943		0.052	0.021	0.331	0.502	0.07	2.43	2.1
0	W27	K	1.085		0.065	0.031	0.253	0.517	0.07	2.68	2.4
10DT	W28	K	3.820	125-250	0.043	0.005	0.178	0.236	0.06	3.51	5.6
1DT	W29	K	2.890		0.043	0.005	0.152	0.294	0.06	3.18	5.3
1D	W30	K	3.680		0.059	0.009	0.158	0.306	0.09	9.05	9.5
100C	W31	Csurf	11.250		0.085	0.055	0.040	0.071	0.35	23.20	38.6
10CT	W32	K	2.860		0.055	0.038	0.101	0.063	0.11	11.40	10.8
2T	W33	K	2.620		0.053	0.049	0.154	0.143	0.10	9.03	9.1
0	W34	K	1.430		0.050	0.041	0.186	0.191	0.09	6.35	4.8
80DTC	W35	Tk	4.040		0.052	0.010	0.071	0.070	0.12	10.60	13.0
1T	W36	Kon rock	1.730		0.053	0.006	0.219	0.465	0.07	3.47	3.3
100C	W37	C30	14.900		0.169	0.443	0.046	0.042	0.53	53.80	56.8
2T	W38	K	2.120		0.030	0.003	0.209	0.412	0.08	2.65	2.5
2T	W39	K	1.795		0.064	0.024	0.148	0.248	0.06	5.30	5.5
0	W40	K	1.050		0.051	0.024	0.343 ✓	0.482 ✓	0.06	2.40	2.6 ✓
0	W41	K	3.300		0.079	0.066	0.133	0.547	0.16	9.80	10.8
Vs.4acid	W46	Qr.45e	14.050		0.287	0.763	0.013	0.076	0.05	6.18	3.2
	RW11	=W11	1.485		0.057	0.015	0.542 ✓	0.782 ✓	0.08	3.22 ✓	2.7 ✓
	RW27	= W27	1.055 ✓		0.055	0.026	0.237 ✓	0.516 ✓	0.07 ✓	2.33 ✓	2.5 ✓
1T	REM 1	K	3.620		0.085	0.009	0.331	4.150	0.11	6.19	6.1
0	REM 2	K	2.360		0.095	0.010	0.766	3.160	0.06	2.05	2.3
0	REM 3	K	2.050		0.057	0.053	0.143	0.297	0.10	9.86	7.1
0	REM 4	K	1.040		0.062	0.023	0.166	0.649	0.10	5.23	2.4
0	REM 5	K	1.700		0.052	0.036	0.206	0.435	0.10	4.02	3.7
10Dc	REM 6	K	3.970		0.045	0.028	0.110	0.056	0.13	7.75	10.8
60DTC	REM 8	(REM 3)	1.235		0.040	0.033	0.050	0.127	0.05	7.55	4.5

Lithium (Li) is typically ~50 ppm in regional clay.

			VA22331979	VA22331979	VA22331979	VA22331979	VA22331979	VA22331979	VA22331979	VA22331979
	Sample		ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
	Description		Mg	Mn	Mo	Na	Nb	Ni	P	Pb
Heavy Vol.%			%	ppm	ppm	%	ppm	ppm	%	ppm
	158	blank M	0.11	18.9	0.29	0.010	0.132	2.84	0.026	0.944
50C3D	W3	KC	0.40	270.0	0.42	0.011	1.385	22.00	0.062	32.200
15C	W4	K	0.31	422.0	0.55	0.005	0.618	22.00	0.077	49.600
50C	W6	KC	0.41	315.0	0.41	0.011	0.996	19.50	0.059	35.400
〃	W7	K	0.27	213.0	0.74	0.034	0.126	19.25	0.068	90.300
〃	W9	K	0.31	370.0	0.83	0.022	0.150	20.40	0.060	117.500
〃	W10	K	0.29	134.5	0.59	0.011	0.091	19.70	0.063	120.500
10C1D	W12	K	0.19	483.0	0.64	0.007	0.745	20.00	0.077	66.700
100TC	W13	TC15	0.99	<125 629.0	0.13	0.031	1.315	39.60	0.034	10.700
50C	W15	KC (W4)	0.31	373.0	0.43	0.011	0.741	19.95	0.067	41.000
60D10C	W16	KC(W12)	0.11	210.0	0.34	0.005	0.479	9.97	0.034	28.500
3D	W19	K	0.17	125-250 76.7	0.93	0.007	0.142	19.75	0.082	112.000
20C	W20	K	0.47	125-250 661.0	0.61	0.008	0.632	288.00 244 NA	0.065	60.600
1D	W21	K	0.16	202.0	0.87 ✓	0.007	0.131 ✓	20.10	0.093	128.500 ✓
100C	W22	Csurface	0.45	<125 564.0	0.38	0.012	1.430	20.00	0.033	16.100
20CD	W23	K	0.28	125-250 359.0	0.46	0.012	0.759	21.60	0.067	50.000
〃	W24	M70	0.22	<125 232.0	0.42	0.036	0.611	19.10	0.065	2.680
〃	W25	K	0.21	268.0	0.59	0.021	0.112	15.00	0.066	92.200
〃	W26	K	0.28	129.0	0.59	0.019	0.095	18.55	0.062	121.500
〃	W27	K	0.31	348.0	0.60	0.033	0.115	17.35	0.066	115.000
10DT	W28	K	0.23	125-250 646.0	0.59	0.008	0.682	20.50	0.064	62.600
1DT	W29	K	0.31	1110.0	0.53	0.009	0.422	52.30	0.063	73.400
1D	W30	K	0.40	636.0	0.85	0.010	0.833	36.10	0.085	71.100
100C	W31	Csurface	1.04	760.0	0.61	0.020	2.460	42.60	0.058	26.800
10CT	W32	K	0.34	416.0	0.39	0.010	1.075	13.95	0.071	17.100
2T	W33	K	0.35	254.0	0.43	0.014	0.829	17.20	0.071	42.900
〃	W34	K	0.28	189.0	0.52	0.010	0.485	12.25	0.078	45.800
80DTC	W35	Tk	0.36	352.0	0.31	0.012	1.080	16.65	0.059	21.600
1T	W36	K on rock	0.28	932.0	1.12	0.010	0.224	23.60	0.105	103.000
100C	W37	C30	1.44	661.0	0.17	0.039	1.000	57.30	0.051	15.400
2T	W38	K	0.16	641.0	0.80	0.009	0.237	15.30	0.097	68.200
2T	W39	K	0.48	377.0	0.95	0.012	0.268	32.50	0.084	58.000
〃	W40	K	0.25	459.0	1.03 ✓	0.028	0.146	17.20 ✓	0.059	118.000 ✓
〃	W41	K	0.48	421.0	1.34	0.025	0.981	126.00	0.085	90.100
vs. Hacid	W46	OREAS45e	0.09	384.0	1.86	0.027	0.238	387.00	0.030	12.300
	RW11 = W11		0.24	363.0 ✓	0.99	0.011	0.148	25.10 ✓	0.088	131.500 ✓
	RW27 = W27		0.31 ✓	366.0 ✓	0.55 ✓	0.034 ✓	0.136 ✓	17.25 ✓	0.069 ✓	118.000 ✓
1T	REM 1	K	0.27	513.0	2.00	0.012	0.653	31.40	0.115	196.500
〃	REM 2	K	0.15	233.0	1.64	0.011	0.225	19.70	0.094	143.000
〃	REM 3	K	0.39	270.0	0.34	0.010	0.795	10.45	0.091	24.900
〃	REM 4	K	0.29	628.0	0.65	0.009	0.148	23.40	0.113	50.600
〃	REM 5	K	0.26	349.0	0.56	0.009	0.412	16.20	0.095	44.800
10DC	REM 6	K	0.39	356.0	0.77	0.011	0.873	20.40	0.066	20.100
60DTC	REM 8	(REM 3)	0.24	140.5	0.17	0.007	0.599	5.64	0.057	9.940

Ni in W20 reflects ultramafic rock, maybe also at W29 and W41.

			VA22331979	VA22331979	VA22331979	VA22331979	VA22331979	VA22331979	VA22331979	VA22331979
		Sample	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
		Description	Pd	Pt	Rb	Re	S	Sb	Sc	Se
Still Vol.%			ppb	ppb	ppm	ppm	%	ppm	ppm	ppm
	158	blank M	<1	<2	0.224	0.0012	0.17	0.038	0.311	1.175
50C3D	W3	KC	1	<2	19.300	0.0006	0.08	0.196	2.560	0.901
15C	W4	K	4	<2	8.650	0.0006	0.14	0.300	1.325	1.505
50C	W6	KC	2	<2	12.950	0.0006	0.10	0.238	1.935	1.020
ϕ	W7	K	2	2	3.220	0.0006	0.21	0.415	0.955	1.665
ϕ	W9	K	2	2	2.440	0.0006	0.25	0.556	1.175	2.300
ϕ	W10	K	5	3	2.320	0.0007	0.21	0.522	1.065	1.605
10C1D	W12	K	<1	<2	5.910	0.0006	0.12	0.327	0.885	1.390
100 TC	W13	TC15	<1	<125 <2	41.100	0.0002	<0.01	0.060	7.510	0.123
50 C	W15	KC (W4)	<1	<2	8.790	0.0005	0.12	0.250	1.505	1.205
60D10C	W16	KC (W12)	2	<2	3.330	0.0003	0.05	0.138	0.664	0.558
3D	W19	K	5	125-250 2	4.710	0.0009	0.14	0.720	1.015	4.090
20C	W20	K	2	125-250 2	12.500	0.0004	0.10	0.382	3.070	1.385
1D	W21	K	3 ✓	2 ✓	5.240 ✓	0.0011	0.18	0.693 ✓	1.015 ✓	4.180
100 C	W22	C surface	<1	<125 <2	20.200	0.0002	0.03	0.099	2.550	0.371
20CD	W23	K	1	125-250 <2	13.050	0.0003	0.11	0.267	1.250	0.939
ϕ	W24	M70	<1	<125 <2	5.080	0.0011	0.30	0.085	1.750	0.785
ϕ	W25	K	2	<2	2.320	0.0005	0.21	0.420	0.761	1.545
ϕ	W26	K	3	<2	2.010	0.0007	0.21	0.493	1.005	1.840
ϕ	W27	K	2	2	2.360	0.0006	0.17	0.571	0.988	2.270
10DT	W28	K	1	125-250 <2	5.490	0.0005	0.11	0.309	0.947	1.110
1DT	W29	K	2	<2	6.530	0.0004	0.11	0.393	1.125	1.225
1D	W30	K	3	2	10.050	0.0007	0.14	0.426	1.460	1.270
100 C	W31	C surface	1	<2	43.200	<0.0002	0.05	0.194	5.190	0.404
10 CT	W32	K	<1	<2	11.100	0.0003	0.10	0.152	1.670	0.520
2T	W33	K	<1	<2	9.610	0.0004	0.13	0.250	1.725	1.025
ϕ	W34	K	<1	<2	5.980	0.0005	0.18	0.294	1.035	1.120
80DTC	W35	Tk	1	<2	17.900	<0.0002	0.05	0.127	1.725	0.321
1T	W36	Konrock	3	2	5.380	0.0007	0.17	0.572	1.015	1.880
100C	W37	C30	<1	<2	50.400	0.0003	0.01	0.181	11.000	0.174
2T	W38	K	1	<2	5.790	0.0007	0.15	0.398	0.515	1.630
2T	W39	K	9	2	2.660	0.0007	0.20	0.437	2.140	1.040
ϕ	W40	K	4	3	1.420	0.0007	0.22	0.512	1.040	1.790 ✓
ϕ	W41	K	4	2	16.200	0.0007	0.19	0.547	1.930	1.380
VS.4 acid	W46	OREAS 45e	58	106	6.870	<0.0002	0.04	0.598	83.600	1.340
	RW11 = W11		4 ✓	3 ✓	5.720 ✓	0.0011	0.23 ✓	0.666 ✓	1.265 ✓	3.460 ✓
	RW27 = W27		<1	<2	2.320 ✓	0.0005 ✓	0.17 ✓	0.534 ✓	0.920 ✓	2.240 ✓
1T	REM 1	K	23	4	9.620	0.0027	0.28	1.285	0.533	12.550
ϕ	REM 2	K	9	4	4.440	0.0019	0.41	1.065	0.725	11.450
ϕ	REM 3	K	<1	<2	8.350	0.0005	0.14	0.215	1.360	1.430
ϕ	REM 4	K	4	<2	4.700	0.0008	0.21	0.385	0.651	2.790
ϕ	REM 5	K	1	<2	8.590	0.0005	0.19	0.368	1.000	2.380
10Dc	REM 6	K	<1	<2	12.950	0.0005	0.11	0.224	1.895	0.491
60DTC	REM 8	(REM 3)	1	<2	4.510	0.0002	0.05	0.096	1.005	0.490

			VA22331979	VA22331979	VA22331979	VA22331979	VA22331979	VA22331979	VA22331979	VA22331979
	Sample		ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
	Description		Sn	Sr	Ta	Te	Th	Ti	Tl	U
Shell Vol.%			ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	158	blank M	0.06	70.50	0.005	0.005	0.165	0.004	0.007	0.169
50 C 3 D	W3	KC	0.91	23.40	<0.005	0.031	1.365	0.052	0.089	0.726
15 C	W4	K	1.06	31.30	<0.005	0.036	0.464	0.026	0.094	0.293
50 C	W6	KC	0.92	26.60	<0.005	0.037	1.105	0.040	0.074	0.276
0	W7	K	1.30	33.10	<0.005	0.037	0.327	0.005	0.102	0.131
0	W9	K	1.66	31.90	<0.005	0.045	0.464	0.005	0.171	0.173
0	W10	K	1.26	29.70	<0.005	0.044	0.337	0.004	0.173	0.101
10 C 1 D	W12	K	1.18	18.15	<0.005	0.026	0.061	0.037	0.099	0.170
100 TC	W13	TC 15	0.85	<125	25.20	<0.005	0.017	10.150	0.171	0.199
50 C	W15	KC (W4)	0.91		26.30	<0.005	0.035	0.508	0.030	0.078
60 D 10 C	W16	KC (W12)	0.60		8.41	<0.005	0.017	0.153	0.028	0.051
3 D	W19	K	2.40	125-250	15.05	<0.005	0.042	0.165	0.006	0.126
20 C	W20	K	1.14	125-250	20.70	<0.005	0.073	0.378	0.077	0.101
1 D	W21	K	2.29		20.20	<0.005	0.042	0.170	0.004	0.137
100 C	W22	C surface	0.71	<125	18.15	<0.005	0.017	1.865	0.079	0.094
20 D	W23	K	0.83	125-250	27.50	<0.005	0.036	0.672	0.031	0.112
0	W24	M70	0.19	<125	104.50	0.005	0.007	1.205	0.019	0.056
0	W25	K	1.16		53.80	<0.005	0.032	0.274	0.004	0.103
0	W26	K	1.39		40.20	<0.005	0.035	0.370	0.003	0.150
0	W27	K	1.56		31.60	<0.005	0.041	0.334	0.004	0.120
10 DT	W28	K	1.21	125-250	13.30	<0.005	0.032	0.184	0.044	0.094
1 DT	W29	K	1.48		18.40	<0.005	0.041	0.169	0.028	0.087
1 D	W30	K	1.71		33.70	<0.005	0.050	0.270	0.038	0.127
100 C	W31	C surface	1.22		27.50	<0.005	0.037	2.930	0.119	0.202
10 CT	W32	K	0.54		25.70	<0.005	0.022	1.080	0.036	0.072
2 T	W33	K	0.73		22.20	<0.005	0.023	0.938	0.030	0.096
0	W34	K	0.76		27.20	<0.005	0.030	0.602	0.016	0.086
80 DTC	W35	Tk	0.60		19.35	<0.005	0.017	0.804	0.053	0.083
1 T	W36	K on rock	2.05		29.30	<0.005	0.047	0.143	0.012	0.124
100 C	W37	C 30	1.24		33.90	<0.005	0.030	14.200	0.167	0.321
2 T	W38	K	1.75		25.50	<0.005	0.029	0.083	0.010	0.109
2 T	W39	K	0.94		42.20	<0.005	0.056	0.726	0.014	0.097
0	W40	K	1.51		31.30	<0.005	0.041	0.461	0.005	0.130
0	W41	K	1.90		52.20	<0.005	0.067	1.075	0.034	0.123
vs. 4 acid	W46	ORGAS45e	0.84		3.63	<0.005	0.096	9.560	0.103	0.057
	RW11 = W11		2.30		20.20	<0.005	0.048	0.361	0.004	0.215
	RW27 = W27		1.47		32.30	<0.005	0.042	0.293	0.004	0.115
1 T	REM 1	K	7.63		30.00	<0.005	0.231	0.123	0.016	0.110
0	REM 2	K	7.02		10.25	<0.005	0.127	0.278	0.004	0.130
0	REM 3	K	0.85		40.30	<0.005	0.026	1.005	0.026	0.054
0	REM 4	K	1.64		41.00	<0.005	0.046	0.222	0.005	0.052
0	REM 5	K	1.37		24.30	<0.005	0.033	0.478	0.015	0.060
10 DC	REM 6	K	0.66		32.10	<0.005	0.043	0.804	0.029	0.064
60 DTC	REM 8	(REM3)	0.41		17.15	<0.005	0.011	1.470	0.022	0.030

			VA22331979	VA22331979	VA22331979	VA22331979	VA22331979	
	Sample		ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	
	Description		V	W	Y	Zn	Zr	INORGANIC TOP
	Still vol. %		ppm	ppm	ppm	ppm	ppm	at cm depth
	158	blank M	4.1	0.015	1.030	2.8	0.93	BLANK
50C3D	W3	KC	26.6	0.632	5.110	165.0	1.74	5 gravel
15C	W4	K	15.8	0.470	1.985	319.0	0.85	5 sand, 8 enriched brown
50C	W6	KC	20.4	0.382	2.600	211.0	1.94	5 greenish clay
0	W7	K	8.1	1.050	0.797	262.0	1.02	> 100 cm black muck
0	W9	K	9.4	0.865	0.892	224.0	1.26	> 120 cm " "
0	W10	K	9.1	1.570	0.783	229.0	1.06	> 120 cm " "
10C1D	W12	K	23.1	0.430	0.921	207.0	0.25	5 clay
100TC	W13	TC15	58.1	<125 0.115	7.880	57.4	13.70	2 greenish, 15 beige clay
50C	W15	KC(W4)	16.7	0.509	2.140	267.0	0.88	DREGS OF W4
60D10C	W16	KC(W12)	15.5	0.179	0.625	87.3	0.16	DREGS OF W12
3D	W19	K	7.9	125-250 0.678	0.683	204.0	0.48	10 rock
20C	W20	K	54.1	125-250 0.369	1.665	201.0	0.68	5 silt-clay
1D	W21	K	8.0	0.611	0.705	247.0	0.53	15 sand-rock, resampled W11
100C	W22	C surface	31.2	<125 0.181	3.220	66.3	0.88	clay reaches surface
20CD	W23	K	14.8	125-250 0.391	1.915	187.0	0.79	2 gray, 12 beige clay
0	W24	M70	9.0	<125 0.021	7.780	28.0	4.07	
0	W25	K	6.5	0.803	0.729	216.0	0.78	>100 cm black muck (M)
0	W26	K	7.7	0.756	0.693	255.0	0.95	> 120 cm " "
0	W27	K	8.0	0.969	0.822	200.0	1.16	>110 cm " "
10DT	W28	K	24.9	125-250 0.489	0.893	194.5	0.22	5 gray silt-sand
1DT	W29	K	21.0	0.439	0.923	251.0	0.21	along rocks
1D	W30	K	22.6	0.606	2.340	279.0	0.52	2 sand
100C	W31	C surface	62.5	0.183	7.670	149.0	2.72	clay reaches surface
10CT	W32	K	17.6	0.207	4.180	121.5	1.37	12 beige silt under humus mix
2T	W33	K	16.2	0.350	3.290	169.0	1.89	2 black, 20 beige clay
0	W34	K	9.8	0.427	2.430	239.0	1.58	50 silt, under M.
80DTC	W35	Tk	23.0	0.437	3.230	108.5	0.49	5 beige clay
1T	W36	K on rock	13.7	1.295	1.105	405.0	0.20	6 rock
100C	W37	C 30	81.0	0.165	21.500	90.3	22.60	at W31, from 30 cm depth.
2T	W38	K	9.8	0.461	0.628	225.0	0.13	5 gray sand on rock
2T	W39	K	19.9	4.060	2.000	293.0	1.10	0-25 m in swamp
0	W40	K	8.4	1.095	0.826	220.0 ✓	0.88	>100 cm black muck
0	W41	K	22.2	1.050	3.250	568.0	2.57	10 beige clay
VS.4acid	W46	ORGAS45e	290.0	0.103	5.230	30.3	26.90	STANDARD ✓
	RW11 = W11		10.8 ✓	0.748	0.791 ✓	302.0 ✓	0.70 ✓	RERUN ✓
	RW27 = W27		7.8 ✓	0.833	0.807 ✓	205.0 ✓	1.11 ✓	RERUN ✓
1T	REM 1	K	11.9	0.651	2.040	2270.0	0.26	10 beige clay
0	REM 2	K	5.7	0.761	0.768	1025.0	0.51	5 sand or boulders
0	REM 3	K	12.6	0.145	4.150	351.0	2.12	20 beige clay
0	REM 4	K	6.7	0.514	1.825	621.0	0.80	5 silt, 15 clay
0	REM 5	K	9.9	0.491	1.165	345.0	1.20	10 gray sand
10DC	REM 6	K	21.7	0.558	2.420	147.0	1.20	10 fine sand, 20 clay beige
60DTC	REM 8	(REM 3)	8.5	0.069	3.090	131.5	1.12	DREGS OF REM 3

REM 1 - 8 were to show effect of KIDD SMELTER on Cu, Pb, Zn, Ag, As, In, Cd, Se, therefore such values are contamination, not elements in rock below. Clay does not show contamination, not even on surface as W22 or W31.

Rock Chip Samples from Whitney Township 2022

(See map, photos, analyses, but no thin-sections were done)
(Washed chips, panned sand from it had no visible gold)
(Gold by 50 g fire assays, respectively 800 g and 250 g pulps)
(Gold is unusually finely distributed, probably only in pyrite)
(Significant elements in ppm from 250 g pulps by 15 g aqua regia)

WR21 across 10m of outcrop at 490712 E - 5372681 N

Outcrop part sheared at 1 mm 240/70N, excluding quartz carbonate boudins.
Tightly sheared and crenulated green-gray slate, local phlogopite shear plating, Mohs hardness H = 1 - 4, nonmagnetic, no fizz, excludes sparse rusty kinks.

WR22 across 10m of outcrop at 490650 E - 5372637 N

Brecciated rhyolite, some rounded, possibly agglomerate, 10% softer matrix H = 3, few quartz veinlets with brown ankerite selvage, some muscovite fracture plating, not sheared, H = 6, local 1mm rusty specks H = 2, nonmagnetic, no fizz.
Excluding the few quartz boudins.

WR23 across 1m outcrop at 490412 E - 5372125 N

Medium greenish-gray slate, 1-2cm beds cleaved parallel straight 90/90, H = 5, nonmagnetic, no fizz, seems barren.

WR24 along 1m exposed at 490419 E - 5372114 N

7cm thick grayish clear quartz vein parallel to shear 90/90 of slate like WR23.
Weathered vugs after 10% calcite left, 10% secondary veinlets of K-spar, 10% attached <1cm siltstone wallrock of H = 2, sparse selvage of rust or hard black tourmaline, nonmagnetic.

WR25 nearby mostly at 490411 E - 5372127 N

Medium greenish-gray massive siltstone, 5 mm buff weathering with fine shear crenulation, <10cm beds 90/90, H = 5, nonmagnetic, no fizz, seems barren.

WR26 over 10m along 2 m cliff, down NE, at 490455 E - 5372150 N

Light greenish-gray siltstone quartzite, cleaved 270/70 N at 10 cm, faint 5mm beds, massive but minor bedding shear with muscovite-phlogopite sheen, well cemented, fracture with fine scales, locally with <5% very fine dark grains, H=7, nonmagnetic, no fizz, barren.

WR27 from west cliff in gully down 350 az. at 490410 E - 5372555 N

1mm grained medium-gray sandstone, 1 mm sheared to crenulated with mica plating, scaly fracture with some greenish grains, H = 4 - 6, nonmagnetic, local moderate fizz, no quartz veins but local beds with 1 % disseminated pyrite cubes <2 mm, very few rusty shear planes.

The 19 ppb Au by fire assay of the 250g Actlabs pulp must be an error.
The following suggest a very even distribution due to gold in disseminated pyrite.

250 (258 chip duplicate WR41) ppb Au, 292 by 15 g aqua regia, 323 by 10 g INNA.
120 ppb Ag.

WR28 on same cliff as WR27

From carbonated shear zone 225/80NW in WR27, thinner < 1cm cleaved, 1% <1mm pyrite disseminations, more frequent fizz.

722 and 707 ppb Au, 715 by 15 g aqua regia, 910 by 10 g INNA.
240 ppb Ag, 3.2% Ca.

WR29 from cliff at 490383 E - 5372559 N

Ultramafic sheared 260/65N with 10% quartz boudins, dark gray, nodular shear and crenulation, H = 3 - 5, nonmagnetic, no fizz, 5 % rusty pockets with some pyrite, local nests of 5 % 1 mm white-metallic arsenopyrite bi-pyramids.

13 ppb Au, 24 by 15 g aqua regia. 118 ppb Ag.
6.6% Fe, 131 Ni, 25 Co, 42 V, 122 Cr, 607 Mn, 2960 As.

WR30 on swamp-side of WR29

Carbonated 50 cm layer 260/65N, deeply brown crumbly weathered, nonmagnetic, moderate fizz where fresh, seems barren.

4 and 8 ppb Au, 9 by 15 g aqua regia. 5 ppb Pt and 2 ppb Pd. 291 ppb Ag.
9.0 % Fe, 153 Ni, 56 Co, 164 V, 264 Cr, 2390 Mn, 143 Cu, 278 As, 2.5 % Ca.

WR31 loose pieces of WR29

Crenulated with soft coppery sheen, 15 % quartz, 2% euhedral arsenopyrite <2mm.

128 and 164 ppb Au, 137 by 15 g aqua regia. 1 ppb Pd. 86 ppb Ag.
> 10000 As (>1%). The gold may be only in the trace pyrite, not the arsenopyrite.

WR32 from swamp edge at 490391 E - 5372578 N

Carbonated siltstone patch with hairline wavy shear and crenulation 45/90 of coppery sheen, 10% <1mm quartz flasers between shears with some rust, crumbly, nonmagnetic, no fizz.

7 and 22 ppb Au, 12 by 15 g aqua regia. 75 ppb Ag, 1.21 % Ca.

WR33 from cliff trending NW, down NE, at 490406 E - 5372571 N

Medium gray siltstone, <1mm sheared and crenulated with mica and minor coppery sheen, locally 10% <5mm quartz flasers, H = 4, nonmagnetic, no fizz, seems barren. Note glacial striations on cliff.

WR34 from same cliff as WR33

Similar to WR33.

WR35 from foot of rock knob, at 490440 E - 5372344 N

Medium green-gray basalt, diffused fine grained to aphanitic as per fracture scales, weathers pale, locally 1mm wavy sheared 265/80N, H = 5 - 6, nonmagnetic, no fizz except for one 5mm calcite pocket, seems barren.

14 ppb Pt and 8 ppb Pd.

WR36 from top of rock knob, at 490454 E - 5372307 N

Basalt similar to WR35 but bit coarser and more massive, 20m along local fault 65/90, locally altered to H = 4.

15 ppb Pt and 10 ppb Pd.

WR37 from mid south slope, at 490454 E - 5372288 N

Orange buff weathered, fine grained serpentinized medium green-gray komatiite? some 1mm shear 230/80N, H = 4 - 5 seldom 3, nonmagnetic, no fizz except rare 5mm quartz-calcite veinlets, seems barren.

8 ppb Pt and 7 ppb Pd.
5.2% Mg, 3.5% Fe, 650 Ni, 47 Co, 1800 Cr, 76 V.

WR38 just west by antenna, at 489539 E - 5372162 N

Pale weathering, light greenish gray sandstone, many pale or greenish 1 mm grains in greenish matrix, fine shear, H = 4 - 6, nonmagnetic, rare local fizz, no rust, barren.

WR39 southeast of antenna, at 489595 E - 5372131 N

Like W38 but somewhat darker and finer, rare trace very fine pyrite.

WR40 at 489614 E - 5372195 N

Pale weathering, medium greenish to dark gray, finely sheared aphanitic slate, cleaved to 5 cm slabs at high angle, H = 6, nonmagnetic, local fizz, some rusty plating.

WR41

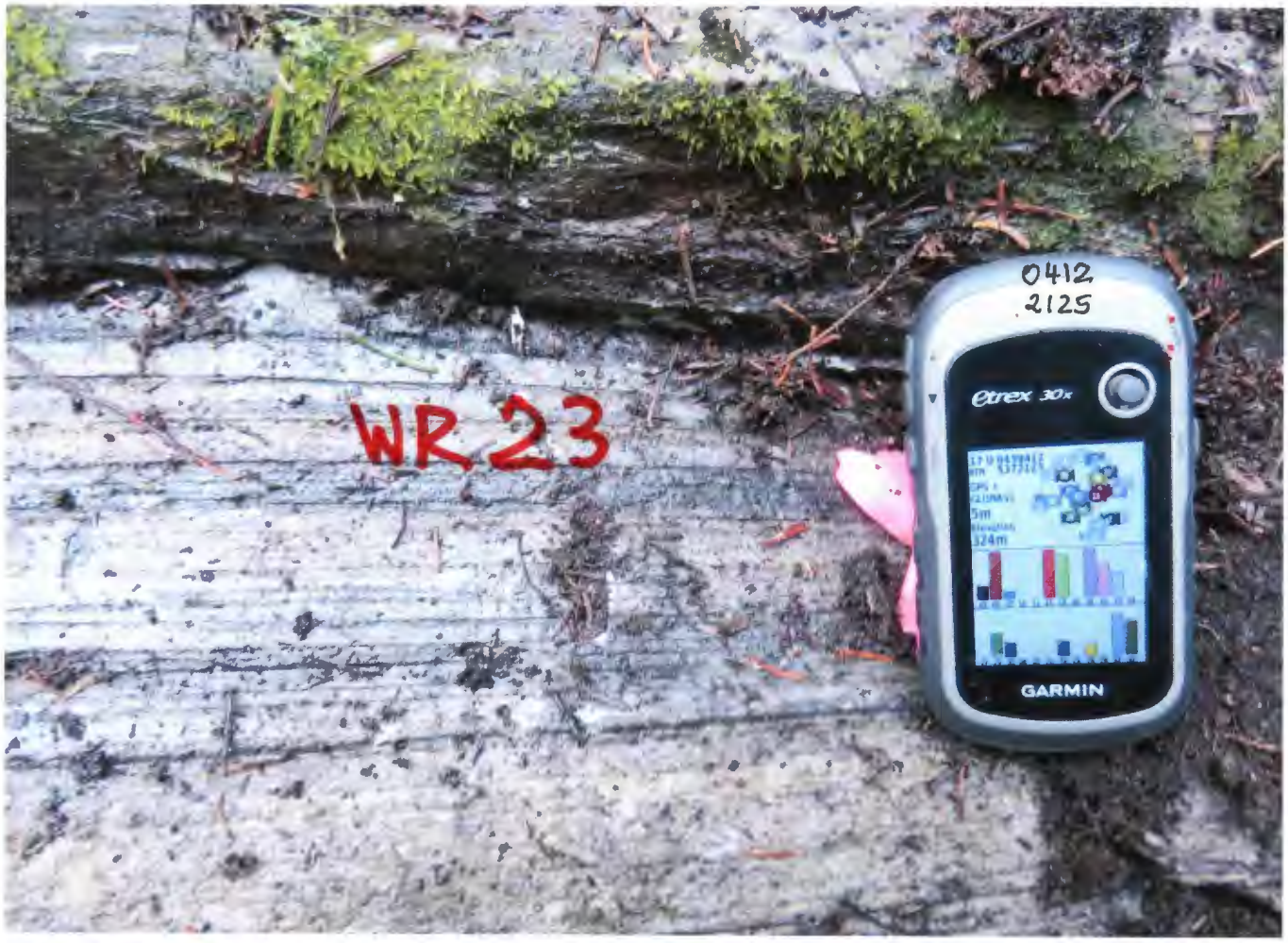
Duplicate chips of WR27.
258 ppb Au.

Fine Panning

Fine panning of parts of rejects of WR 28, WR 31, WR32, and parts of pulps WR 27, WR 28, WR 31, and 6 more, revealed no visible gold, and only very minor magnetite, but various pyrite, rust, and arsenopyrite, as noted on the 4 results by neutron activation - 1 D enh. With two results of >1 % arsenic and better correlation of gold with estimated pyrite, the pan concentrates show that gold is not in arsenopyrite. Rock results by aqua regia, and the even distribution of gold as seen especially from the 4 varieties of sample WR27, indicate that the gold occurs in pyrite. Please see also annotations on lab results.


0712
2681
GPS +
GLONASS
Elevation
285m
WR 21


0658
2637
GARMIN
WR 22


WR 23
0412
2125
etrex 30x
GARMIN


WR 25
0411
2127
etrex 30x
GARMIN


WR23


WR 24
0419
2114
GARMIN


WR 25


WR 24


WR 27+28
SAND-SILT STONE
BED-SHEAR 225/80
GARMIN


WR 22


87 MR

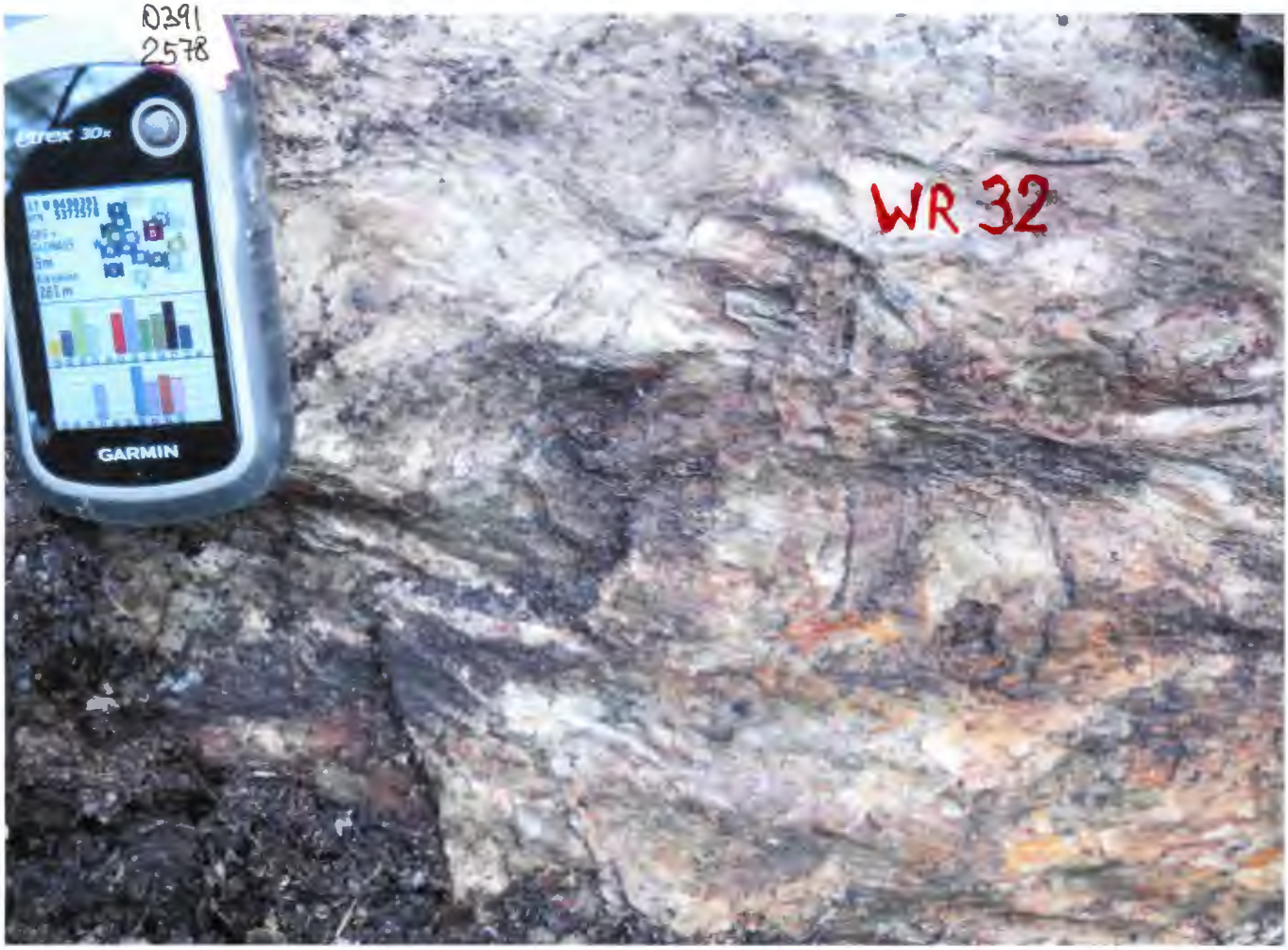

WR 02


WR 28


WR 29
ULTRAMAFIC
FLOW +
Q-BOUDINS
0383 E
2559 N
GARMIN
WR 30
BED+SHEAR 260/65
SAND-SILT STONE
CARBONATIZED


WR
29
0
10 cm
20 cm
28 cm


WR
31 - PART


0291
2578
WR 32


0406
2571
WR 34


WR 32


34 WR 34


WR 33
WR 34


WR 33


WR
33
PART


WR 33
PART
33


WR 35


490440 E
5372344
GARMIN


WR
35


WR
36


FAULT
65/90
WR36


17U 0490 454
5372307
etrex 30x
GARMIN


WR 37


490454
5372288
etrex 30x
GARMIN


WR
Whitney
37


WR 38


WR 39

WR 40

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

Report No.: A22-13254
Report Date: 23-Nov-22
Date Submitted: 14-Sep-22
Your Reference: Rocks 2022

Hermann Daxl

ATTN: Hermann Daxl

CERTIFICATE OF ANALYSIS

Rock CHIP SAMPLES OF 1-3 kg each
38 ~~Crushed~~ Rock samples were submitted for analysis. to crush and pulverize 250 g

The following analytical package(s) were requested:		Testing Date:
1A2-50-Timmins 50g Fire Assay	QOP AA-Au (Au - Fire Assay AA) GOLD	2022-10-11 17:36:56
ULTRATRACE 1 - ICP-MS - 15 g aliquots - AQUA REGIA - 63 ELEMENTS		

REPORT **A22-13254**

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:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

CERTIFIED BY:

Mark Vandergeest
Quality Control
Coordinator

LabID: 709

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Results **Activation Laboratories Ltd.** **Report: A22-13254**

Analyte Symbol	Au	Ti	S	P	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni
Unit Symbol	ppb	%	%	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
Detection Limit	5	0.001	1	0.001	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	1	1	0.01	0.1	0.1
Analysis Method	FA-AA	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
WR21	< 5	0.003	< 1	0.044	23.7	0.1	< 1	0.021	1.53	2.01	0.10	0.14	0.62	5.8	46	100	462	3.60	16.4	73.8
WR22	< 5	< 0.001	< 1	0.006	1.0	0.1	< 1	0.068	0.04	0.20	0.07	0.25	0.02	0.3	1	6	48	0.37	0.5	3.6
WR23	< 5	0.115	< 1	0.036	8.9	< 0.1	< 1	0.054	0.31	0.95	0.15	0.03	0.35	1.2	9	11	178	1.21	3.8	12.3
WR24	< 5	0.057	< 1	0.030	14.5	< 0.1	1	0.020	0.54	0.89	0.08	< 0.02	1.70	0.7	6	11	337	1.11	3.9	9.0
WR25	< 5	0.113	< 1	0.058	35.5	0.1	1	0.038	1.23	1.85	0.12	0.02	0.37	1.5	13	14	276	2.15	9.0	20.2
WR26	< 5	0.125	< 1	0.039	20.9	< 0.1	< 1	0.049	0.59	1.09	0.29	< 0.02	0.38	1.0	11	9	202	1.33	4.8	8.0
WR27 * (ALS 250)	~~< 5~~	0.002	< 1	0.128	24.7	0.1	< 1	0.033	1.02	1.53	0.09	0.18	1.33	1.4	15	63	466	2.72	12.9	44.1
WR28	707	0.002	< 1	0.239	16.5	0.1	< 1	0.024	0.94	1.11	0.10	0.31	3.25	1.5	12	12	599	2.80	13.7	27.3
WR29	< 5	0.003	< 1	0.195	62.5	0.2	1	0.015	2.08	3.29	0.08	0.22	0.79	4.2	42	122	607	6.56	24.8	131.0
WR30	8	0.006	< 1	0.048	47.7	< 0.1	< 1	0.010	2.30	2.98	0.02	0.06	2.55	24.5	164	264	2390	8.98	56.0	153.0
WR31	164	0.003	< 1	0.064	39.7	0.2	1	0.019	1.22	2.21	0.10	0.60	0.19	3.2	31	69	332	5.47	16.9	82.7
WR32	22	0.013	< 1	0.065	21.7	0.2	< 1	0.015	2.18	2.63	0.08	0.14	1.21	8.6	79	215	614	4.70	27.1	139.0
WR33	< 5	0.002	< 1	0.045	43.0	0.1	< 1	0.027	1.32	2.37	0.10	0.15	0.16	2.7	29	101	324	3.93	10.0	82.6
WR34	< 5	0.001	< 1	0.041	36.8	0.1	< 1	0.032	1.13	2.02	0.10	0.10	0.10	1.7	21	79	211	3.05	8.7	64.3
WR35	5	0.302	< 1	0.022	13.2	< 0.1	< 1	0.024	1.31	1.92	< 0.01	< 0.02	0.81	4.1	47	104	594	2.55	21.4	163.0
WR36	< 5	0.265	< 1	0.023	22.4	< 0.1	< 1	0.019	1.78	2.24	< 0.01	< 0.02	0.77	3.0	50	94	781	2.79	25.6	119.0
WR37	< 5	0.042	< 1	0.007	9.0	< 0.1	< 1	0.002	5.25	3.08	< 0.01	< 0.02	0.24	1.1	76	1800	364	3.51	46.5	650.0

Analyte Symbol	Cu	Zn	Ga	Ge	As	Rb	Sr	Y	Zr	Nb	Mo	Ag	In	Sn	Sb	Te	Cs	Ba	La	Ce
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.2	0.1	0.02	0.1	0.1	0.1	0.5	0.01	0.1	0.1	0.01	0.002	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01
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
WR21	32.8	86.3	5.70	< 0.1	34.7	2.6	27.2	2.05	4.9	< 0.1	0.73	0.030	< 0.02	0.05	0.07	0.02	0.08	28.3	14.5	30.40
WR22	10.5	13.7	0.90	< 0.1	2.3	2.0	3.1	0.39	24.5	< 0.1	0.82	0.081	< 0.02	0.09	0.03	< 0.02	0.05	18.3	2.2	4.21
WR23	7.4	34.1	3.17	< 0.1	3.1	6.6	32.1	1.55	7.4	0.4	0.47	0.018	< 0.02	0.21	0.06	< 0.02	0.32	36.7	5.0	10.70
WR24	6.6	31.6	2.65	< 0.1	0.8	1.8	26.5	1.36	3.7	< 0.1	0.98	0.034	< 0.02	0.16	0.02	< 0.02	0.04	27.2	3.7	7.14
WR25	3.9	60.3	6.06	< 0.1	1.5	2.9	23.4	2.00	3.2	0.1	0.42	0.016	< 0.02	0.20	0.04	< 0.02	0.05	40.9	6.5	14.00
WR26	9.3	42.3	3.46	< 0.1	0.8	15.2	25.8	1.48	5.0	0.1	0.49	0.030	< 0.02	0.16	0.03	< 0.02	1.13	43.1	4.7	9.50
WR27	13.7	67.3	4.53	< 0.1	5.3	2.9	57.4	5.13	1.3	< 0.1	0.66	0.120	< 0.02	0.05	0.26	0.03	0.12	31.9	24.3	49.80
WR28	16.4	58.4	3.67	< 0.1	3.1	3.0	117.0	8.64	1.2	< 0.1	0.27	0.240	< 0.02	< 0.05	0.37	0.04	0.11	13.8	36.7	74.60
WR29	44.9	146.0	9.42	< 0.1	2960.0	2.4	26.2	5.96	1.2	< 0.1	1.67	0.118	0.02	0.07	0.39	0.45	0.14	35.2	18.2	42.70
WR30	143.0	133.0	10.50	< 0.1	278.0	1.6	42.3	3.02	2.3	< 0.1	0.43	0.291	0.05	< 0.05	0.09	0.04	0.16	35.9	2.5	6.88
WR31	15.5	81.9	6.86	< 0.1	> 10000	3.4	12.6	2.76	0.8	< 0.1	1.86	0.086	< 0.02	0.09	1.66	2.12	0.23	9.0	8.8	20.80
WR32	47.0	122.0	8.29	< 0.1	40.1	1.9	67.8	4.53	3.5	< 0.1	0.97	0.075	0.03	0.10	0.10	0.03	0.06	57.7	7.9	18.40
WR33	21.3	83.0	7.40	< 0.1	46.7	4.1	10.2	2.41	3.6	< 0.1	0.63	0.031	< 0.02	< 0.05	0.08	< 0.02	0.26	29.4	14.1	30.40
WR34	17.1	76.5	5.62	< 0.1	31.7	3.9	9.6	2.03	2.1	< 0.1	0.84	0.034	< 0.02	0.05	0.04	0.02	0.25	25.4	15.1	32.20
WR35	24.4	53.4	3.20	< 0.1	2.1	0.9	12.4	2.24	1.1	< 0.1	0.17	0.019	< 0.02	0.14	0.04	< 0.02	0.23	6.8	< 0.5	1.17
WR36	39.6	48.3	3.03	< 0.1	1.7	0.5	6.0	2.23	0.9	< 0.1	0.27	0.019	< 0.02	0.10	0.04	0.02	0.05	7.0	< 0.5	1.21
WR37	34.5	37.6	7.42	< 0.1	1.2	0.2	1.5	0.73	0.3	< 0.1	0.08	0.009	< 0.02	< 0.05	< 0.02	0.03	0.08	3.2	< 0.5	0.35

Results **Activation Laboratories Ltd.** **Report: A22-13254**

Analyte Symbol	Cd	Pr	Nd	Sm	Se	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm
Detection Limit	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	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
WR21	0.16	3.0	13.70	2.1	< 0.1	0.5	1.3	0.2	0.6	< 0.1	0.2	< 0.1	0.2	< 0.1	0.1	< 0.05	< 0.1	< 0.001	5.1	< 0.02
WR22	0.10	0.4	1.49	0.2	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	1.0	< 0.05	< 0.1	< 0.001	9.7	< 0.02
WR23	0.05	1.1	4.84	0.8	< 0.1	0.2	0.5	< 0.1	0.3	< 0.1	0.2	< 0.1	0.1	< 0.1	0.2	< 0.05	< 0.1	< 0.001	< 0.5	0.04
WR24	0.05	0.7	3.23	0.6	< 0.1	0.1	0.4	< 0.1	0.3	< 0.1	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	0.5	< 0.02
WR25	0.05	1.4	6.10	0.9	< 0.1	0.3	0.7	< 0.1	0.4	< 0.1	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02
WR26	0.05	0.9	4.41	0.6	< 0.1	0.2	0.5	< 0.1	0.3	< 0.1	0.1	< 0.1	0.1	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.06
WR27	0.11	4.8	22.20	3.3	< 0.1	0.8	2.0	0.2	1.1	0.2	0.5	< 0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	292.0	< 0.02
WR28	0.13	7.2	33.40	4.4	< 0.1	1.2	3.1	0.4	1.8	0.3	0.8	< 0.1	0.7	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	715.0	0.02
WR29	0.26	4.3	20.20	3.4	< 0.1	0.9	2.2	0.3	1.4	0.2	0.5	< 0.1	0.4	< 0.1	< 0.1	< 0.05	0.1	< 0.001	24.5	< 0.02
WR30	0.28	0.9	5.29	1.3	0.2	0.5	1.3	0.2	0.9	0.1	0.3	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	9.1	< 0.02
WR31	0.09	2.1	9.92	1.6	0.7	0.4	1.2	0.2	0.7	0.1	0.3	< 0.1	0.3	< 0.1	< 0.1	< 0.05	0.1	< 0.001	137.0	< 0.02
WR32	0.06	1.9	9.00	1.5	< 0.1	0.4	1.3	0.2	1.0	0.2	0.5	< 0.1	0.5	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	11.8	< 0.02
WR33	0.09	3.1	14.30	2.3	< 0.1	0.6	1.4	0.2	0.6	< 0.1	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	1.6	0.02
WR34	0.08	3.2	14.50	2.0	< 0.1	0.5	1.4	0.2	0.6	< 0.1	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.05	0.1	< 0.001	1.8	0.02
WR35	0.07	0.2	0.98	0.2	< 0.1	< 0.1	0.3	< 0.1	0.4	< 0.1	0.3	< 0.1	0.4	< 0.1	< 0.1	< 0.05	0.1	< 0.001	6.1	< 0.02
WR36	0.09	0.2	0.98	0.3	< 0.1	< 0.1	0.3	< 0.1	0.4	< 0.1	0.3	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	1.2	< 0.02
WR37	0.04	< 0.1	0.28	< 0.1	0.2	< 0.1	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	1.7	< 0.02

Analyte Symbol	Pb	Th	U	Hg	GROSS
Unit Symbol	ppm	ppm	ppm	ppb	SAMPLE
Detection Limit	0.1	0.1	0.1	10	Weight
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	gram
WR21	4.3	1.4	0.1	< 10	1270
WR22	13.5	1.7	2.8	< 10	2000
WR23	3.0	1.4	0.2	< 10	2000
WR24	1.9	1.2	0.2	< 10	1930
WR25	2.4	1.9	0.3	< 10	1820
WR26	1.8	1.3	0.2	< 10	2300
WR27	6.0	6.0	0.9	< 10	2310
WR28	9.6	11.2	1.8	< 10	2200
WR29	4.8	5.0	0.5	< 10	1460
WR30	3.0	0.3	< 0.1	10	1390
WR31	7.4	3.1	0.4	< 10	2410
WR32	5.0	2.1	0.3	< 10	2190
WR33	2.9	2.0	0.2	< 10	2560
WR34	2.2	1.9	0.2	< 10	2220
WR35	1.1	< 0.1	< 0.1	< 10	2680
WR36	2.4	< 0.1	< 0.1	< 10	2280
WR37	0.6	< 0.1	< 0.1	< 10	2850

ROCK CHIP SAMPLES

crushed 80% < 2mm, pulverized ~ 250g < 105 µm

FA-AA – 50 g fire assay / atomic absorption

AR-MS – 15 g Ultratrace 1 – ICP/MS aqua regia

* WR27: 292 ppb Au by 15 g AR. same pulp ACTL.
323 " " " 10 g INNA " "
250 " " " 50 g F.A. 800 g pulp ALS.
258 " " " WR41 duplicate chips.

GOLD is evenly distributed, probably in pyrite.

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

To: HERMANN DAXL

Finalized Date: 26-OCT-2022
Account: DAXHER

CERTIFICATE TM22269016

Project: ROCKS 2022
P.O. No.: ROCKS 2022 Actlabs Rejects
This report is for 38 samples of Percussion submitted to our lab in Timmins, ON, Canada on 21-SEP-2022.
The following have access to data associated with this certificate:

HERMANN DAXL		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-QC	Pulverizing QC Test
LOG-22	Sample login - Rcd w/o BarCode
PUL-32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
PGM-ICP24	Pt, Pd, Au 50g FA ICP FIRE ASSAY	ICP-AES

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 *****
Comments: * schedule pick-up of master material once finalized - 705-264-4929 *Samples processed as per client request.

Signature:
Saa Traxler, Director, North Vancouver Operations

To: HERMANN DAXL

Page: 2 - A
Total # Pages: 2 (A)
Plus Appendix Pages
Finalized Date: 26-OCT-2022
Account: DAXHER

Project: ROCKS 2022

CERTIFICATE OF ANALYSIS TM22269016

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 604 984 0221 Fax: +1 604 984 0218
www.alsglobal.com/geochemistry

SUBMITTED 800 - 900 g of Actlabs rejects - 80% passing 2mm, for total pulverization, 50 g fire assay - ICP/AES.

WHITNEY ROCKS Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	PGM-ICP24 Au ppm 0.001	PGM-ICP24 Pt ppm 0.005	PGM-ICP24 Pd ppm 0.001
WR21		0.85	0.001	<0.005	<0.001
WR22		0.86	<0.001	<0.005	<0.001
WR23		0.82	<0.001	<0.005	<0.001
WR24		0.84	<0.001	<0.005	<0.001
WR25		0.91	<0.001	<0.005	<0.001
WR26		0.84	<0.001	<0.005	<0.001
WR27		0.87	0.250	<0.005	<0.001
WR28		0.83	0.722	<0.005	<0.001
WR29		0.91	0.013	<0.005	<0.001
WR30		0.86	0.004	0.005	0.002
WR31		0.87	0.128	<0.005	0.001
WR32		0.86	0.007	<0.005	<0.001
WR33		0.86	<0.001	<0.005	<0.001
WR34		0.90	<0.001	<0.005	<0.001
WR35		0.83	0.001	0.014	0.008
WR36		0.84	<0.001	0.015	0.010
WR37		0.87	<0.001	0.008	0.007

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

Report No.: A22-15496
Report Date: 14-Nov-22
Date Submitted: 24-Oct-22
Your Reference: ROCK 2-2022

Hermann Daxl

ATTN: Hermann Daxl

CERTIFICATE OF ANALYSIS

7 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-50-Timmins	QOP AA-Au (Au - Fire Assay AA) 50 g	2022-11-11 15:26:09

REPORT **A22-15496**

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:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3.

SCC Accredited LAB
Accredited CCN

LabID: 709

CERTIFIED BY:

Rob Hoffman
Region Manager

ACTIVATION LABORATORIES LTD.
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E-MAIL Timmins@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Report: A22-15496

Activation Laboratories Ltd.

Analyte Symbol	Au	
Unit Symbol	ppb	
Detection Limit	5	
Analysis Method	50g- FA-AA	
WRJ>700-28	657	190 g of >700 µm sieved rejects of WR 28
WRJ>700-31	81	290 g " " " WR 31
WRJ>700-32	6	200 g " " " WR 32
WR38	< 5	2420 g
WR39	< 5	2610 g
WR40	< 5	2850g
WR41	258	1100 g duplicate of chips at WR 27

WR 38 - WR 41 pulverized 800 g

Quality Control

Analyte Symbol	Au
Unit Symbol	ppb
Detection Limit	5
Analysis Method	FA-AA
OREAS 239 (Fire Assay) Meas	3550
OREAS 239 (Fire Assay) Cert	3550
Oreas E1336 (Fire Assay) Meas	501
Oreas E1336 (Fire Assay) Cert	510
WRJ>700-32 Orig	7
WRJ>700-32 Dup	5
Method Blank	< 5
Method Blank	< 5

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

Report No.: A22-16629
Report Date: 05-Dec-22
Date Submitted: 09-Nov-22
Your Reference: WR-NA

Hermann Daxl

ATTN: Hermann Daxl

CERTIFICATE OF ANALYSIS

6 Vial samples were submitted for analysis. full medium vials

The following analytical package(s) were requested:		Testing Date:
1D Enh Neutron Activation	QOP INAAGEO (INAA)	2022-11-28 15:02:11

REPORT **A22-16629**

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:

For values exceeding the upper limits we recommend assays.

SCC Accredited LAB Accredite CCN

LabID: 266

CERTIFIED BY:

Mark Vandergeest
Quality Control
Coordinator

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
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E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

By I D enhanced neutron activation analyses for rocks, full medium vials.

Results **Activation Laboratories Ltd.** **Report: A22-16629**

Analyte Symbol	Au	Ag	As	Ba	Br	Ca	Co	Cr	Cs	Fe	Hf	Hg	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
Detection Limit	2 FA	5	0.5	50	0.5	1	1	5	1	0.01	1	1	5	1	0.01	20	15	0.1	0.1	3
Analysis Method	INAA ↓	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
WRP 27 = WR 27	323 250	< 5	7.9 5.3	480	< 0.5	< 1	15	137 63	< 1	2.61 ✓	5	< 1	< 5	< 1	2.77	< 20 14	< 15	0.8	7.0 1.4	< 3
WRP 28 = WR 28	910 722	< 5	4.3 3.1	680	< 0.5	1	15	44 12	< 1	3.02 ✓	7	< 1	< 5	< 1	3.16	< 20 27	< 15	1.7	7.2 1.5	< 3
WRJF 28	1940	< 5	17.3	390	< 0.5	2	76	28	< 1	7.10	4	< 1	< 5	< 1	3.66	< 20	37	2.2	4.7	< 3
WRJF 31	1200	< 5	> 10000	< 50	< 0.5	< 1	169	< 5	< 1	10.70	< 1	< 1	< 5	< 1	0.57	4800	< 15	78.4	6.6	< 3
WRJF 32	51	< 5	65.4	610	< 0.5	< 1	32	303	< 1	4.74	3	< 1	< 5	< 1	2.00	< 20	< 15	0.5	15.1	< 3
WRPF	6110	< 5	> 10000	< 50	< 0.5	< 1	129	< 5	< 1	14.80	< 1	< 1	< 5	< 1	1.19	3180	< 15	62.3	2.9	< 3
OREAS 905 (INAA) Meas	401		38.7	2600		< 1	17		12	4.24	10						206	2.2		
OREAS 905 (INAA) Cert	391		36.2	2800		1	15		7	4.23	7						137	2.0		
Method Blank	< 2	< 5	< 0.5	< 50	< 0.5	< 1	< 1	< 5	< 1	< 0.01	< 1	< 1	< 5	< 1	< 0.01	< 20	< 15	< 0.1	< 0.1	< 3

Analyte Symbol	Sn	Sr	Ta	Th	U	W	Zn	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass	
Unit Symbol	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	
Detection Limit	0.02	0.05	0.5	0.2	0.5	1	50	0.5	3	5	0.1	0.2	0.5	0.2	0.05		
Analysis Method	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	
WRP 27 = WR 27	< 0.02	< 0.05	< 0.5	6.9 6.0	1.3 0.9	< 1	100 67	48.4 24	93 50	40 22	6.8 3.3	1.3 0.8	< 0.5	0.7	0.09	9.41	- from 250 g Actlab pulp
WRP 28 = WR 28	< 0.02	< 0.05	< 0.5	14.7 11.2	1.6 1.8	< 1	< 50 58	93.2 36	176 75	56 33	12.9 3.4	2.0 1.2	< 0.5	0.5	< 0.05	9.78	- " " " "
WRJF 28	< 0.02	< 0.05	< 0.5	12.9	2.5	< 1	< 50	73.9	128	48	9.6	2.0	< 0.5	0.7	0.15	11.30	- 5% py, 2% rust
WRJF 31	< 0.02	< 0.05	< 0.5	< 0.2	< 0.5	< 1	< 50	22.4	< 3	< 5	< 0.1	< 0.2	< 0.5	< 0.2	< 0.05	12.30	- much arsenopyrite
WRJF 32	< 0.02	< 0.05	< 0.5	2.5	< 0.5	1	< 50	17.0	36	13	3.4	0.7	< 0.5	1.0	0.05	10.00	- trace py, rust.
WRPF	< 0.02	< 0.05	< 0.5	< 0.2	< 0.5	< 1	< 50	21.0	< 3	< 5	2.0	< 0.2	< 0.5	< 0.2	< 0.05	11.00	- 20% py, 40% brown-violet?
OREAS 905 (INAA) Meas	< 0.02	< 0.05	< 0.5	14.9	5.1	< 1	180	47.7	90	31	7.5	1.5	< 0.5	0.5			-Standard measured
OREAS 905 (INAA) Cert	0.00	0.02	1.4	14.7	5.0	3	139	48.0	96	41	7.6	1.5	0.8	0.8			-Standard certified
Method Blank	< 0.02	< 0.05	< 0.5	< 0.2	< 0.5	< 1	< 50	< 0.5	< 3	< 5	< 0.1	< 0.2	< 0.5	< 0.2	< 0.05	10.00	- blank

WRJF = panned fines of rejects of WR 28, 31, 32 respectively, no gold visible, rare tr. mt.
WRPF = panned fines of ALS pulps of WR 27, 28, 31, and 6 more, no gold visible, rare tr. magnetite.

Compare annotated values, by ALS 50 g fire assay for gold, and 15 g aqua regia for others.

Gold is evenly distributed throughout samples and also pulps, probably all in pyrite only, as per As in Cert. A22-1325 + mt in arsenopyrite.

NAD 83 UTM Zone 17 — Whitney Township Center

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

Sample #		Easting 4	Northing 537 . . . .
W 1		90702	2595
W 2		90825	2585
W 3		90919	2608
W 4		90949	2611
W 5		91096	2691
W 6		91274	2687
W 7		90600	2722
W 8		90502	2765
W 9		90438	2678
W 10		90347	2828
W 11		90453	2116
W 12		90408	2348
W 13	Clay	90450	2415
W 14		90378	2580
W 19		90437	2156
W 20		90455	2191
W 21		90456	2128
W 22	Clay	90440	2068
W 23		90326	2539
W 24	Muck	90318	2565
W 25		90331	2627
W 26		90335	2683
W 27		90396	2738
W 28		90466	2390
W 29		90449	2289
W 30		90043	2088
W 31	Clay	89974	2050
W 32		90005	1729
W 33		89553	2213
W 34		89495	2224
W 35		89483	2144
W 36		89595	2131
W 37	Clay	89974	2050
W 38		90140	2087
W 39		89688	2260
W 40		89879	2330
W 41		90097	2266

NAD 83 UTM Zone 17 **Whitney Township Center**

Old Line Pickets	Easting 4	Northing 537	Line Azimuth
L15 W - 150 S	89879	2330	
L15 W - 175 S	89889	2305	160
L15 W - 250 S	89906	2235	
L10 W - 50 S	90334	2567	160
L950 W - 100 S	90388	2528	
L950 W - 200 S	90415	2429	
L950 W - 275 S	90438	2360	165
L950 W - 300 S	90440	2344	
L950 W - 350 S	90445	2310	160
L 9 W - 025 N	90410	2655	
L 7 W - BL 00	90609	2689	165
L 7 W - 50 S	90617	2646	

Remote Background Samples

REM 1	495906	5377670
REM 2	497693	5377766
REM 3	499292	5377919
REM 4	493470	5373064
REM 5	492580	5372700
REM 6	482794	5368967

NAD 83 UTM Zone 17 **Whitney Township Center**

Historic DDH Collars

Calculated from original drawings and data

1969 - Oro Mines Limited - 42A06NE0072

A - 1	AXQ	155 / 50	489620 E - 5372620 N
A - 2	AXQ	335 / 45	489695 E - 5372380 N

1974 - Summit Gold Mines Inc. - 42A11SE0258

B - 1		180 / 45	490310 E - 5372545 N
B - 2		360 / 45	489975 E - 5372355 N
B - 3		180 / 45	489350 E - 5372480 N

1982 - Shiningtree Gold Resources Inc. - 42A11SE8440

ST - W - 1	NQ	330 / 50	490060 E - 5372610 N
ST - W - 2	1EX	360 / 45	490245 E - 5372565 N

1988 - Syngold Exploration Inc. - 42A06NE0112

P - 88 - 4	BQ	180 / 55	489735 E - 5372750 N
P - 88 - 5	BQ	360 / 55	490155 E - 5372710 N
P - 88 - 6	BQ	230 / 55	490385 E - 5372630 N
P - 88 - 7	BQ	180 / 55	490215 E - 5372510 N

2006 - Liberty Mines Inc. - 20000001287 - 2.31975

B06 - 01	BQ	360 / 60	490070 E - 5371880 N

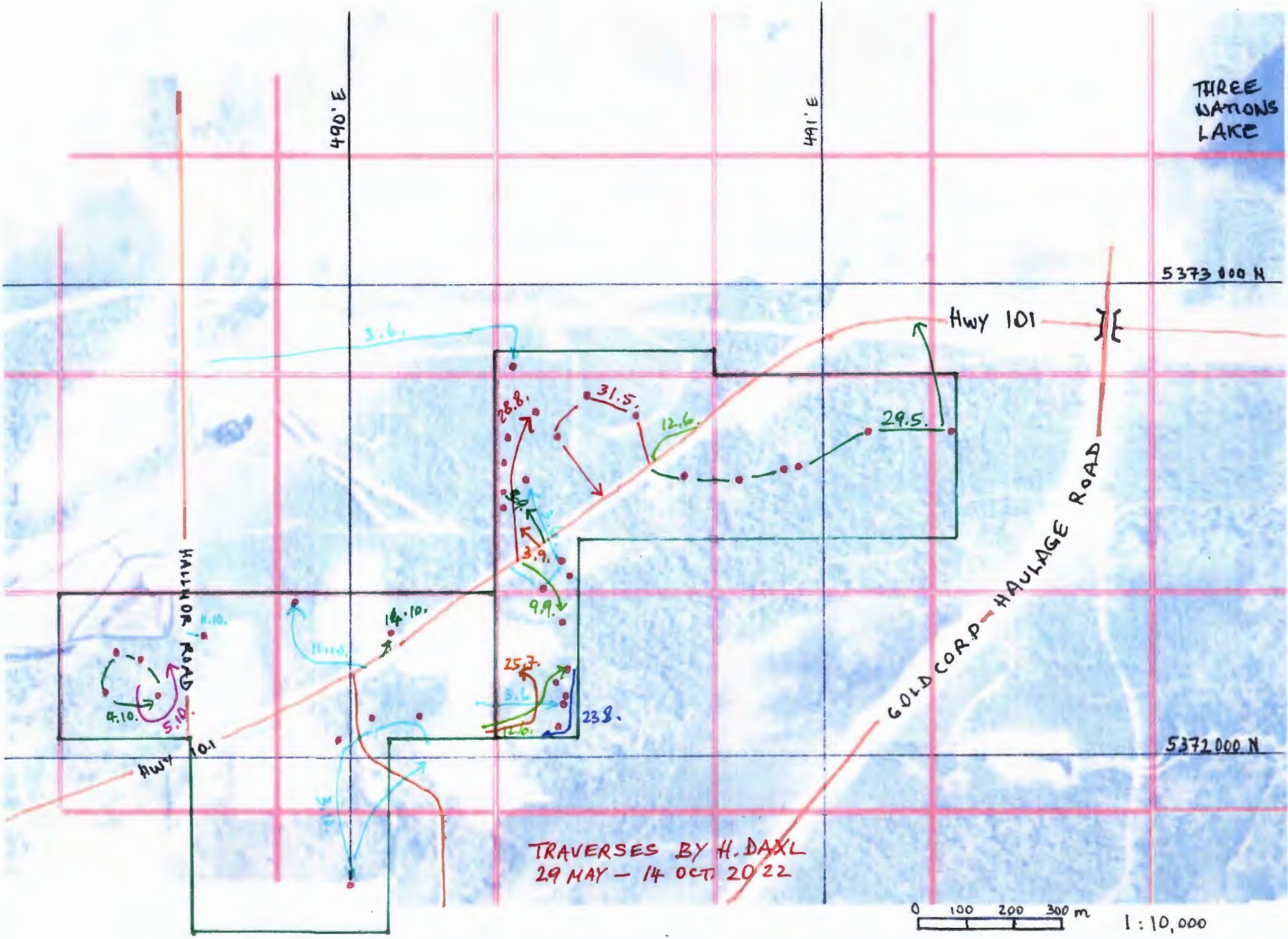
LOG OF WORK DONE BY H. DAXL ON WHITNEY HWY CLAIMS

2022

	F	29 May	Sampled W1 – W6
B		30 "	Drying, plot, etc
	F	31 "	Sampled W7 – W9, rocks WHWS, WHWN
B		1 June	Dry, plot, wash rocks, prepare maps.
	F	3 "	Sampled W10 – W14
B		4 "	Dry, plot, envelopes, location map.
	F	12 "	Prospect outcrops, take rock samples WR21-22
B		20 "	Sieve samples W1 – W6
B		21 "	Sieve samples W7 – W14
	S	22 "	Select repeats + separates, weigh, pack, lab order ALS, get vials.
	S	10 July	Label, weigh empty, fill, weigh full vials, pack, ords ACTLABS.
	F	25 "	Photos w/ GPS, wash samples, describe rocks, collect WR23-25.
B		28 "	Rocksamples photos, wash, type descriptions.
	F	23 Aug.	Soil sampled W19 – 22 and WR26
	F	28 "	Soil collect W23 – W27
B		29 "	Drying soils, annotate ALS results.
	F	3 Sep.	Collect WR27 – 31, make photos, strip.
B		4 "	Wash rock chips, pan dirt, describe rocks.
	F	5 "	Collect WR32 – 34, photos, strip.
B		7 "	Wash chips, photo, describe.
	F	9 "	Collect soil W28-29, rock WR35 – 37, photos, strip.
B		10 "	Dry soils, wash rocks, photos, plot, P.O., ship rocks.
	R	17 "	Typed and described rocks, P.O. for ALS.
B		20 "	Rebag + weigh out rejects for ALS lab., ship.
	F	3 OCT	Collect soils W30 – W32, W38.
	F	4 "	Collect soils W33 – 37
	F	5 "	Collect rocks WR38 – WR40
B		9 "	Sieving soils
B		10 "	Sieving soils
	F	11 "	Collect background soils REM 1-3, W39 – 40
B		12 "	Dry, sieving.
	F	14 "	Collect REM 4-6, W41.

	2022		
B	16	OCT.	Dry and sieve soils
B	21	"	Split rejects, pan pulps + rejects, ship to lab.
B	25	"	Sieve soils, dry last.
B	27	"	Sieve soils
S	4	NOV	Fill vials, fill sachets, weigh.
S	5	"	Write P.O. INAA, pack, pan more pulps
S	6	"	Write P.O. ALS, sort out repeats, standards.
R	9	Dec.	Finish UTM list
R	10	"	Plot new maps soils, rocks.
R	11	"	Annotate lab results Actlabs 9825
R	12	"	Annotate lab results ALS
R	13	"	Study lab results so far
R	14	"	Make element maps.
R	15	"	Study previous work, draft description
R	16	"	Correct collar locations per orig. DDH
R	17	"	Plot map of geology + DDH UTM list
R	18	"	Copy and organize photos
R	19	"	Draft report
R	20	"	Draft report
R	21	"	Draft report
R	18	Jan. 2023	Study ALS results ... 1979
R	19	"	Annotate ALS .. 1979
R	25	"	Make contamination map
R	26	"	Study ACTLAB .. 16672
R	27	"	-"- + annotate ... 16672
R	31	"	Write about contamination
R	1	Feb	Draft report
R	3	"	Index report + organize
R	4	"	Write report
R	5	"	-"- -"-
R	6	"	Proofread -"-
R	7	"	Make copies and computer file

18	B	Beneficiation
15	F	Fieldwork
26	R	Report
5	S	Shipping
64	DAYS	


490'E
491'E
THREE NATIONS LAKE
5373 000 N
Hwy 101
3.6.
28.8.
31.5.
12.6.
29.5.
3.9.
9.9.
11.10.
14.10.
25.7.
3.L
12.6.
23.8.
4.10.
5.10.
11.10.
HALLNOR ROAD
Hwy 101
GOLDCORP — HAULAGE ROAD
5372 000 N
TRAVERSES BY H. DAXL
29 MAY — 14 OCT. 2022
0 100 200 300 m
1 : 10,000

Assessment Work Report – all work by H. DAXL
Whitney Tp. by H. DAXL – 7 Feb 2023

Prospecting / Grassroots
29.5.2022 – 14 OCT. 2022 — 15 days x 350 $ 5250 *

Sampling / Beneficiation
30.5.2022 – 27.10.2022 — 18 days x 400 $ 7200

Assoc. Work / Assays
14.7.2022 – 2.2.2023 excl. HST

19 anal.	Actlabs	A22-09825	$ 598		
35 "	-"-	-16672	$ 1102		
6 "	ALS	VA22175232	$ 311		
44 "	-"-	-331979	$ 2230		
17 "	Actlabs	A22-13254	$ 1088		
7 "	-"-	-15496	$ 224		
6 "	-"-	-16629	$ 187		
17 "	ALS	TM22269016	$ 689	151 analyses x 42.58	$ 6429

Assoc. Cost / Pers. Transport
29.5. – 14.10.2022 — 15 x 40 x 0,50 — $ 300

Assoc Cost / Shipping Samples
7.11.2022 – 10.11.2022 — 5 Days x 400 = $ 2000
Express Post 19.00 + 26.51 = $ 46 — $ 2046

Assoc. Cost / Supplies
29.5.2022 – 7.2.2023 — Papers, Ink, Bags, Ribbons. — $ 125

Assoc. Cost / Report - Maps
17.9.2022 – 7.2.2023 — 26 days x $ 500 — $ 13000

* Please add field labour bonus

$ 34,350 *

DISTRIBUTION

CLAIM:	SAMPLES:	$ 602,63 each	WORK DONE:
720200	0	1 = 1	$ 602
720201	10 R	13 = 23	13860
720202	0	4 = 4	2411
720203	0	1 = 1	602
720204	7 R	6 = 13	7834
746630	0	0 = 0	0
746631	0	1 = 1	602
746632	3 R	5 = 8	4821
746633	0	6 = 6	3618
57 samples:	20 R +	37 S = 57	$ 34,350