

2.40746

Jules Lake Area

Fripp - Musgrove Townships

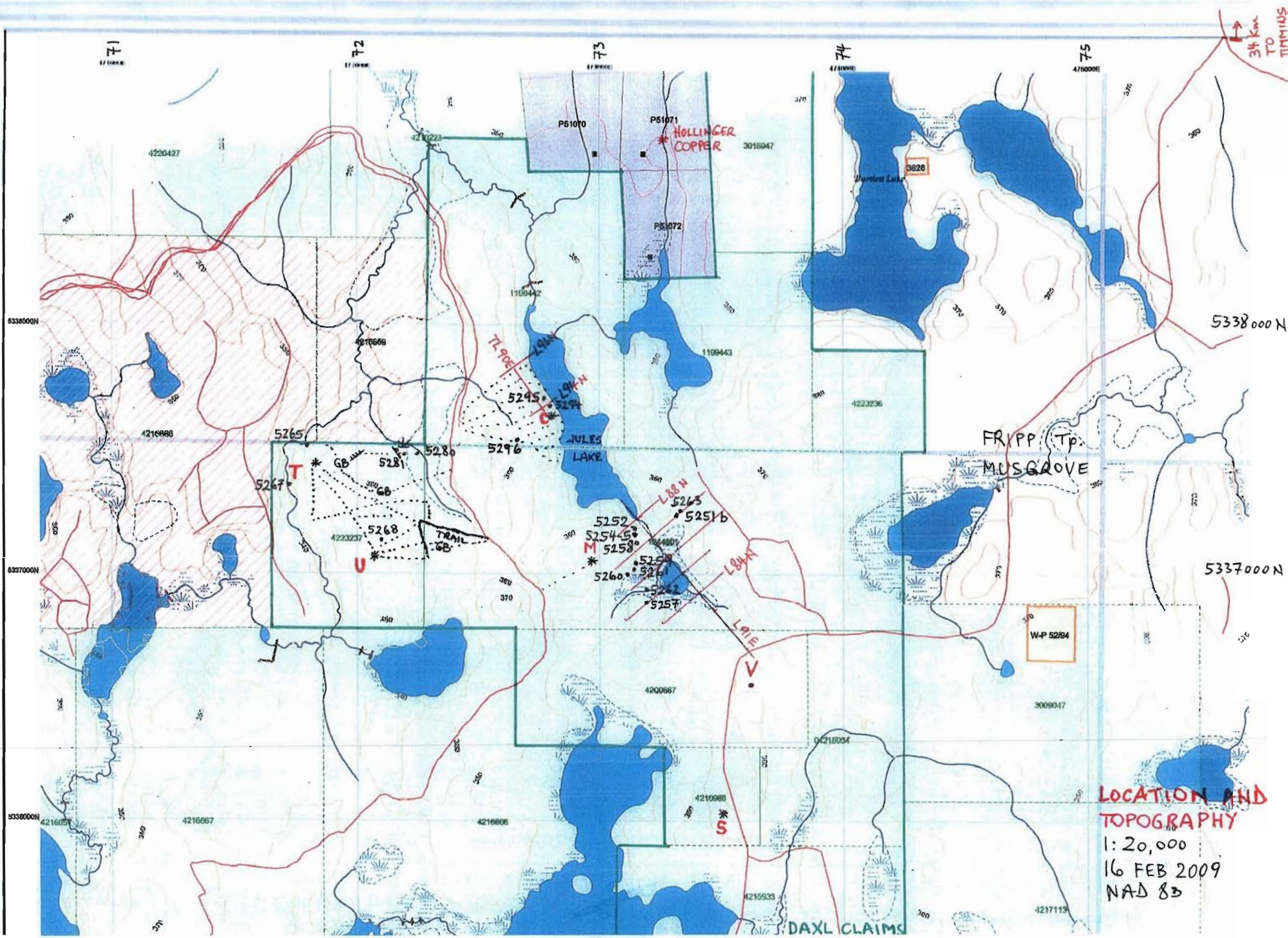
Continued Prospecting 2008

with Beep Mat and Soil Sampling

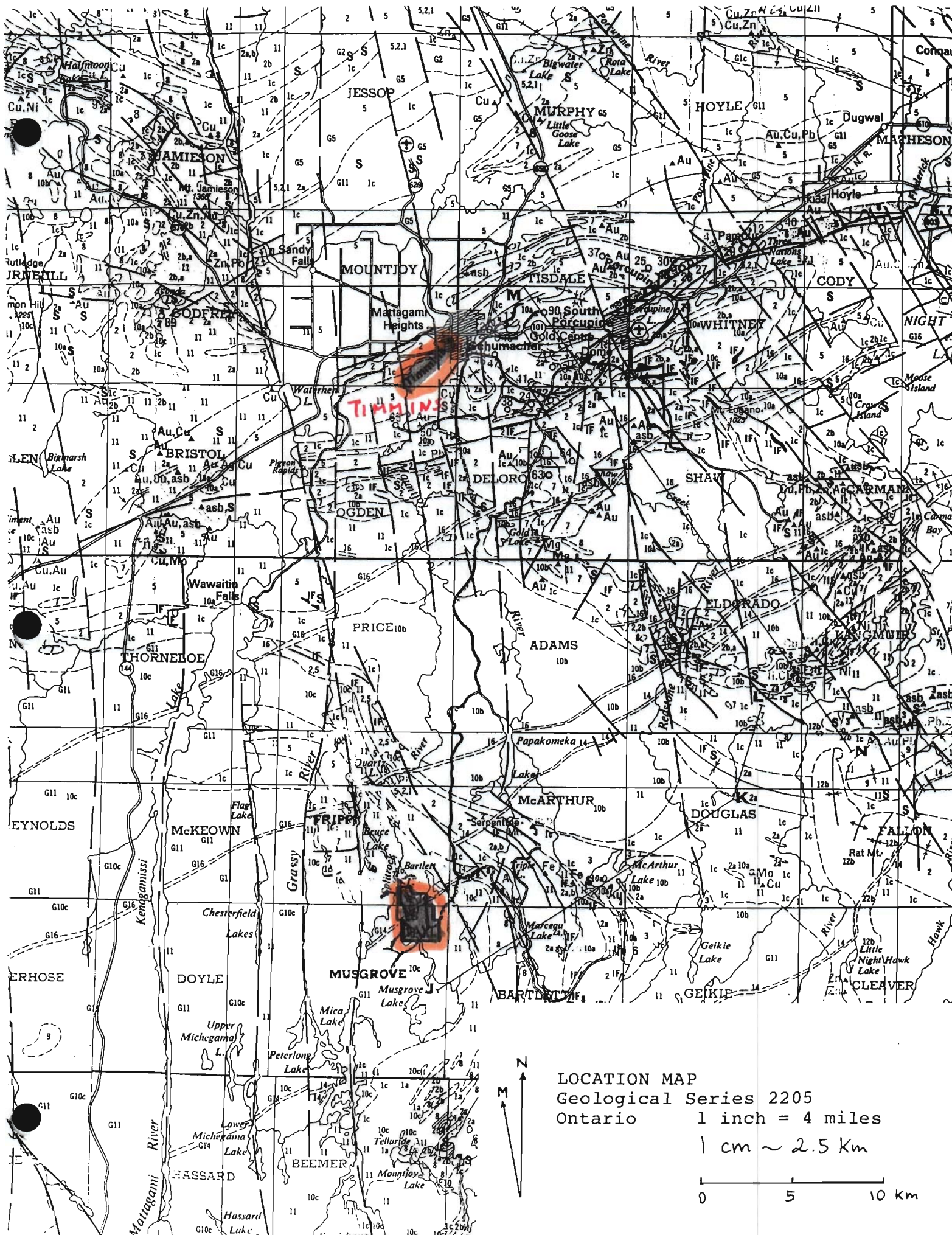
by Hermann Daxl, M.Sc. Minex

16 Feb 2009

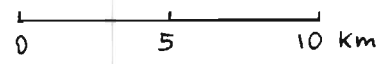


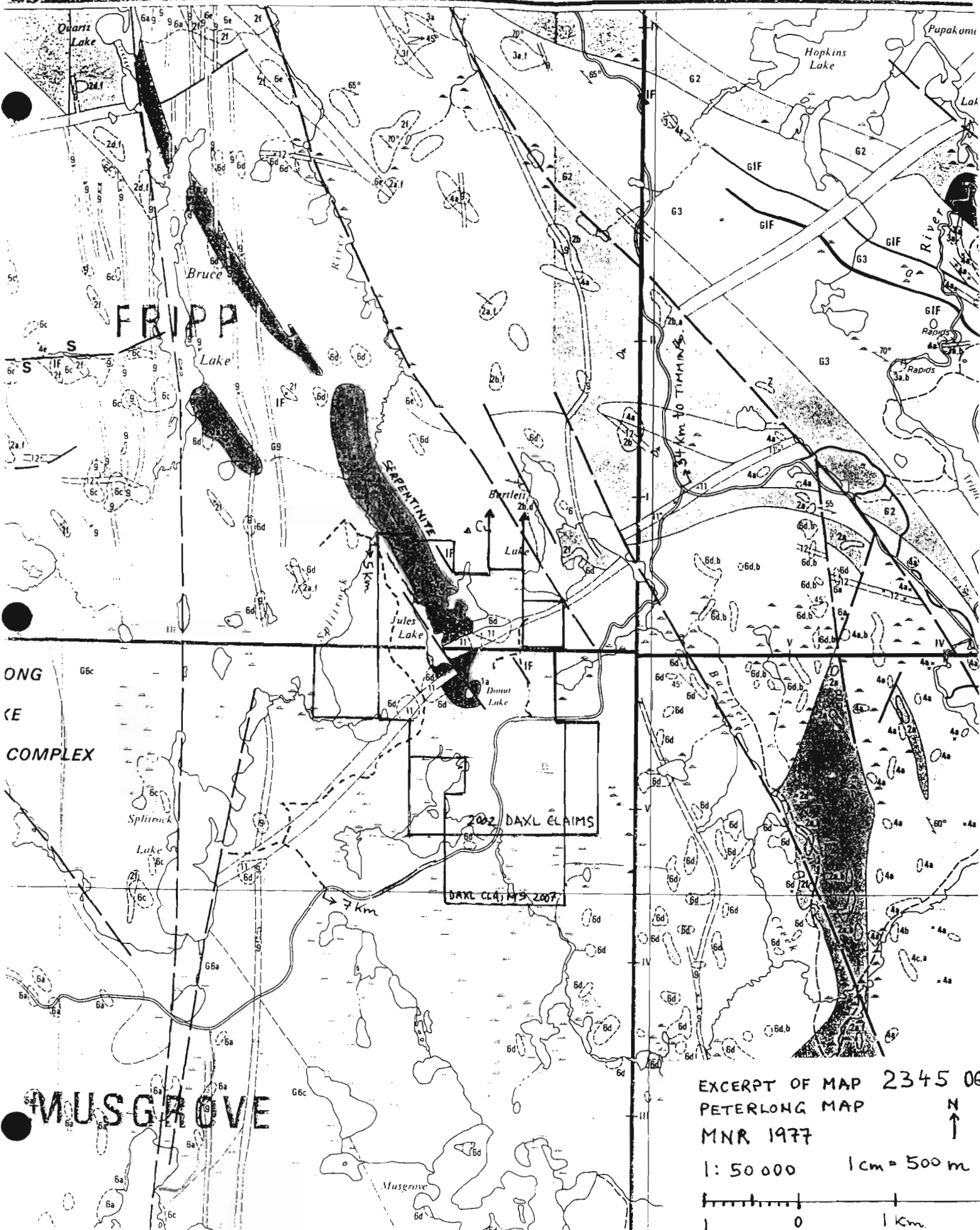


LOCATION AND TOPOGRAPHY
 1:20,000
 16 FEB 2009
 NAD 83



LOCATION MAP
 Geological Series 2205
 Ontario 1 inch = 4 miles
 1 cm ~ 2.5 Km





FRIPP

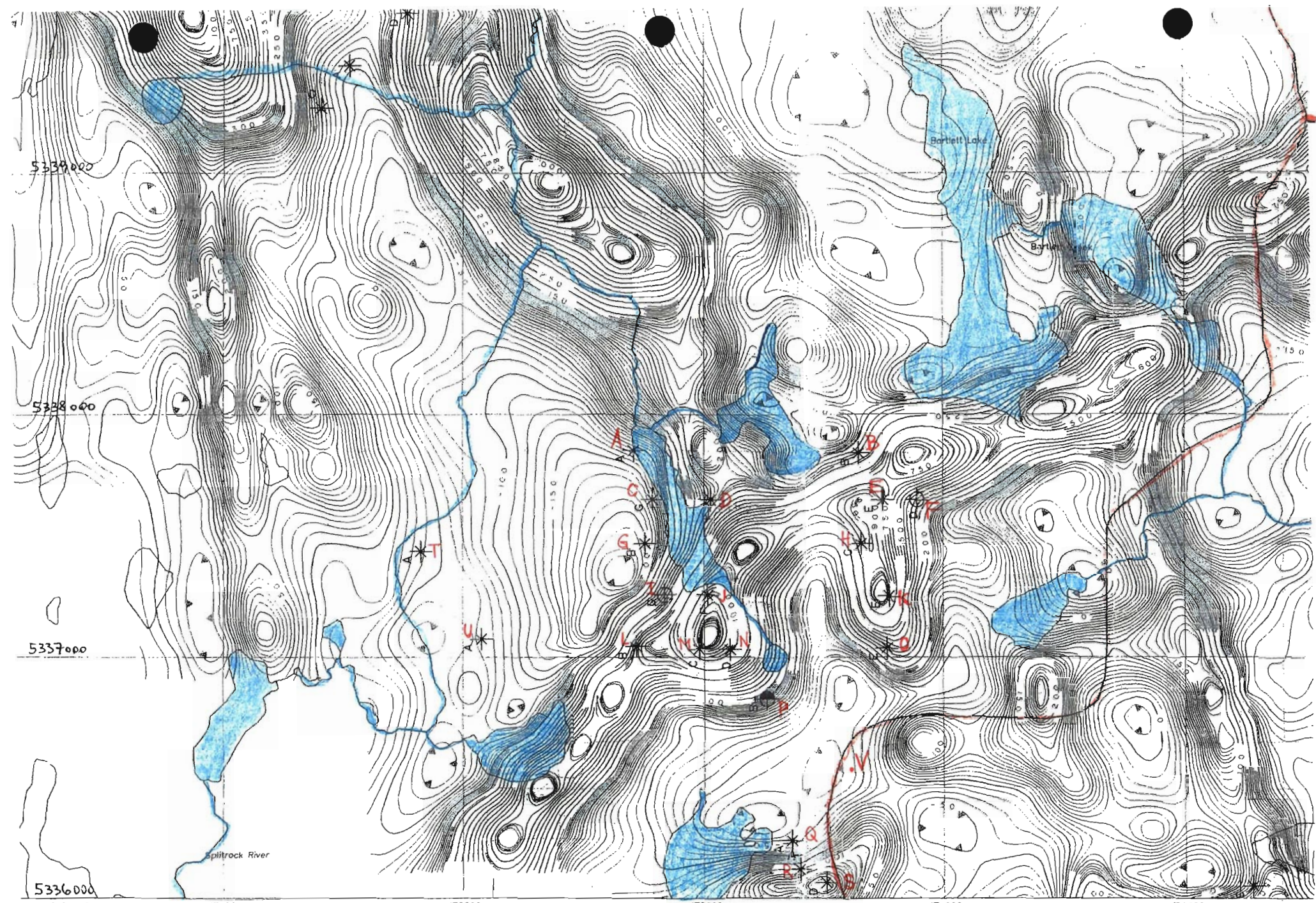
SERPENTINE

2002 DAXL CLAIMS

DAXL CLAIMS 2007

MUSGROVE

EXCERPT OF MAP 2345 OG
 PETERLONG MAP
 MNR 1977
 1: 50 000 1 cm = 500 m
 N
 ↑
 0 1 km 2



5339000

5338000

5337000

5336000

NAD 83

471000

472000

473000

474000

475000 m

OF 5521/DP 5521 : -81°22'30" MAP 81 991/CARTE 81 991

1:20,000

-81°20'

R. Dumont
J. Potvin

MEGATEM II SURVEY BARTLET DOME 2007
GSC OPEN FILE 5519/ DOSSIER PUBLIC 5519 DE LA CGC
OGS MAP 81 989 / CARTE 81 989 DE LA CGC

FLIGHT LINES WEST-EAST

Residual MAG and EM anomalies

Introduction

The present prospecting is a continuation of my Beep Mat Location and Excavation of Airborne Megatem II Conductors reported on 12 May 2008, assessment file T-5683, 2.38032. The two conductors T and U were not found with the Beep Mat BM4+, but C and M, and my Beep Mat discovery V of 2002, T-4800, were further dug up and sampled. Further washing at S also revealed more detail. The occasional soil samples confirm that conventional soil sampling can be useful.

The field work was done by myself from 26 Aug 2008 to 10 Nov 2008, including the sieving of the soils. The rock and soil samples were analyzed by Activation Laboratories Ltd. The work was done on Claim 1199442 in Fripp Township, and 1244901, 4200667, 4210988, 4223237 in Musgrove Township, all held by myself. Access is <700m from gravel roads, after 34km on Pine South from Timmins, then southwest towards Peterlong Lake. Please refer to various maps, photographs, sample descriptions, and analyses, included in this report.

The area lies in the eastern margin of the Peterlong Lake Complex. A serpentinite trends SSE along a fault through Jules and Donut Lake, and outcrops again near V. Nickel-bearing magnetic pyroxenite outcrops well between these lakes, and may be part of the ultramafic trend, but not of the NE trending dike as the MAG map may suggest. The exploration interest in this area is due to the drilled-off Hollinger Copper occurrence with grades <20% Cu, within a serpentinite offshoot at 1 km NNE of Jules Lake on Patent P51071. The iron-sulfide-rich dike I had excavated near airborne anomaly S on claim 4210988, and this NiPtPd-bearing pyroxenite suggest further potential.

Continued Sampling of Megatem II Anomalies

Sample UTM 17 U, NAD83 (last 4 digits)
 047.... E - 533.... N

New Claim 4223237:

On the various paths to the Megatem II anomalies T and U there are several areas of outcrops of nonmagnetic, medium-grained, mesocratic, barren gray gabbro with black mafics and frequent pegmatite dikes <50cm thick. Basalt dikes seem rare. Please refer to sample descriptions and maps.

Apart from the Beep Mat BM4+ conductor near U, a 15m electrolyte? BM4+ anomaly was encountered in the NE of this claim. I took the >1m deep swamp humus sample 5280 there, and enriched sand 5281 below 50cm swamp humus further west in the swamp margin. More humus needs to be sampled to see whether cadmium in 5280 is meaningful, because in soils such Cd would be a clear pathfinder for zinc.

5280 humus 2280 E - 7493 N (ppm) 24 Cu, 99 Zn, 0.65 Cd.

5281 soil 2191 E - 7474 N (ppm) 3 Cu, 10 Zn, 0.03 Cd.

Anomaly T

Megatem II plots anomaly T as a star at 471830E - 5337440N. I scanned a 110x150mNS area across a gentle ridge at 8m intervals without success, except for an axe flat under 10cm humus. Several outcrops of gray gabbro indicate thin overburden, probably sand and gravel as per my 4 soil samples 5271-73, 5282. The mixed forest may be 40 years old, and several standing charred trunks indicate that there has been a forest fire then. The Beep Mat BM4+ did not respond on a trunk. See map 1 : 2000.

5265 1796 E - 7528 N (see 5266)
Pegmatite dike including 5x1 cm contact, 35cm thick, 60/90, in 5266, 75% K-spar <4cm, 25% quartz, 1% mafic, sample includes medium-grained on margin to pegmatitic in center, nonmagnetic, no fizz except for local calcite plating, barren, nonradioactive. No AuPtPd.

5266 at 5265
1% pyrite near pegmatite dike, mostly 10cm wallrock to 5265, gray melagabbro, fine-grained, black mafics, granitic fracture haloes, here nonmagnetic but then moderately magnetic only to 1-2m from 5265, no fizz, nonconductive. No AuPtPd.

5267 1719 E - 7358 N
Basalt, sheared 105/70, incl. quartz xenolith, nonmagnetic. At edge of swamp. No AuPtPd.

5271 soil 1810 E - 7449 N
5272 soil 1806 E - 7400 N
5273 soil 1840 E - 7510 N
5282 soil 1855 E - 7380 N

Anomaly U

Megatem II plots anomaly U as a star at 472075E - 5337075N in a minor swampy depression with alders and washed out rock under <40cm humus, and somewhat higher wooded areas with sparse outcrop or frost heaves around it. Again there are a few standing charred tree trunks. The overburden may be too deep for the BM4+. Humus samples, 5275 and 5284, seem to show higher AgCdCuSrU, and 5275 also YPbREE, but more humus needs to be compared to see whether this may be normal. The soil samples, 5274, 5283, 5286, are normal. See map 1 : 1000.

I scanned the whole area within a 60 - 80m radius at 5 - 10m intervals, and found only one BM4+ anomaly at NAD 83 UTM 17U 0472100E - 5337140N, 70m to 20 azimuth from anomaly plot U. It seems too distant to have caused the airborne anomaly U but it can be an offshoot from it. I removed 20cm humus from the nonmagnetic gray medium-grained gabbro with black mafics and a quartz-K-spar pegmatite dike, geology typical of the area. The two types of mineralized 2cm thick dikelets read HFR <500 or MAG >-400 on bedrock, due to the small quantities. Contacts are sharp and spall easily. See sketch 1:20 and 2 photos.

5268 2100 E - 7140 N (see 5269, 5270, 5285)
Magnetic very fine gabbro dikelet of attitude 330/90 with local massive magnetite and minor pyrite and chalcopryrite causing the green watermarks. Much rust, 60% gabbro wallrock. Nonconductive including magnetite. Small sample, about 300g. No AuPtPd,
0.07 % Cu, 1.5 g/t Ag, 25.4 % Fe, 1.44 % Mg, 0.42% S.

5269 at 5268
Nonmagnetic pyroxenite-sulfide dikelet of 360/18 with 25% pyrite, 25% rust probably after pyrrhotite, and minor chalcopryrite. Weakly to strongly conductive throughout where less rust. 8 ppb Au, no PtPd,
0.14 % Cu, 2.8 g/t Ag, 0.02 % Ni, 33.1 % Fe, 1.51 % Mg, 12.6 % S.

5270 at 5268

Across the contact of 5269 and therefore includes 85% gabbro wallrock, 5% sulfide dikelet, 20% rust. Nonmagnetic. No AuPtPd, 0.10 % Cu, 3.0 g/t Ag, 15.2 % Fe, 1.6% Mg, 1.5 % S.

5285 at 5268

Only barren gabbro wallrock <10cm from 5269 but excluding contact. Nonmagnetic, no fizz. Washed. No AuPtPd.

5274 soil 2075 E - 7063 N

5275 humus 2065 E - 7053 N (ppm) 0.47Ag, 0.77Cd, 65Cu, REE.

5283 soil 2030 E - 7100 N

5284 humus 2106 E - 7036 N (ppm) 0.13Ag, 0.75Cd, 63Cu, 3 U.

5286 soil 2100 E - 7140 N

Expansions of Diggings

Previous work on Megatem II anomalies C, M, S was filed with my report of 12 May 2008, assessment file T-5683, and on Beep Mat anomaly V was filed with my report of 24 Dec 2002, T-4800, samples SR111-13.

Conductor C

This area C is not far west of the main serpentinite unit. Presently I removed much of the fine-sandy overburden <50cm over 20m. Please refer to 4 photos and the 1 : 100 map. Some of the conductors were below the bedrock and could not be sampled. Although exposed conductors are small, they are important for their chalcopyrite, Cu and Ag, which are the elements of economic interest at the Hollinger Copper occurrence in serpentinite at 1200m NNE. I also scanned in a 200m radius at 8 - 20m spacing with the Beep Mat BM4+, and found 5294-95. See map 1 : 20,000.

The elevated Th and Mn in soil sample 5296 at 170m southwestward taken under 40cm sand without leach, from 10cm where it was darker yellow-brown upon bedrock, at uphill end of gully towards thin overburden, may not be significant.

5290 2780 E - 7650 N (see 5291)
35% rust, 2% pyrite - chalcopyrite, pyroxenite in 50% wallrock diorite.
Nonmagnetic. 9 ppb Au, 4 ppb Pt, no Pd, 0.43 % Cu, 4.0 g/t Ag,
0.01 % Ni, 0.03 % Co, 21.5 % Fe, 2.2 % Mg, 8.6% S.

5291 at 5290

High-graded for 10 % chalcopyrite as pockets of <50% very fine chalcopyrite, else like 5290. 4 ppb Au, no PtPd, >1% Cu, 14.6 g/t Ag, 16.2 % Fe, 1.3 % Mg, 7.8 % S.

5292 2782 E - 7631 N (see 5293)

30% rust, 5% pyrite-chalcopyrite, in meandering <15cm thick sulfide-rich dike?, here 345/80, including 15% country rock diorite with green mafics and sparse blue quartz. Nonmagnetic. No AuPtPd, 0.18% Cu, 1.8 g/t Ag, 21.4% Fe, 2.1% Mg, 9.9% S.

5293 at 5292

3% chalcopyrite in 5292, fresh, no wallrock. No AuPtPd, 0.44% Cu, 4.6 g/t Ag, 0.02% Ni, 0.08% Co, 16ppm Mo, 33.6% Fe, 1.2% Mg, >20% S.

5294 2793 E - 7684 N

Black basalt-pyroxenite dike 60/85, in diorite, 15m upslope from lake. 1m² responded to BM4+ and was moderately magnetic with 5% rust, trace pyrite-pyrrhotite plating. No AuPtPd. 0.01% Cu, 0.3 g/t Ag, 1.03% Mn, no NiCo, 21.2 % Fe, 2.9 % Mg, 1.2% S.

5295 2769 E - 7706 N

10% rust, 1% pyrite, black pyroxenite dike, 310/75, strongly magnetic. Locally responds to BM4+, Con 1000, Mag 10,000. No AuPtPd. 0.04% Cu, 0.4 g/t Ag, 1% Mn, no NiCo, 21.7% Fe, 2.0% Mg, 1.3% S.

5296 soil 2662 E - 7546 N (ppm) 13 Th, 411 Mn, 5.6 Pb.

5297 soil 2770 E - 7636 N

5299 2780 E - 7648 N

<5mm pyrite in rusty fine gabbro, soft serpentized, no fizz, one 2cm oikocryst of pyrite. Area of contact to serpentinite towards East. 5ppb Au, 0 PtPd, 0.07% Cu, 2.6g/t Ag, 0.03% Co, 21.3% Fe, 2.0 % Mg, 4.3% S.

Conductor M

I dug up conductor M at the northwest-end at L8790N - 8842E in 2007, samples 717-719, and presently the southeast-end to 120 az. at L8755N - 8828E at the contact between diorite in the west and pyroxenite in the east. Gold is anomalous both in sulfides and in soil. See 2 photos.

5298 soil at 5301 59 ppm Zn, 23.3 ppb Au.

5301 2975 E - 7040 N (approximately, see 5298 and 5302)
10% nonmagnetic pyrrhotite which is very conductive from grain to grain, 5% pyrite veinlets <1 mm and rust. Fine-grained dark-gray pyroxenite chilled at contact, H=5-6. Nonradioactive. 19 ppb Au, no PtPd. 0.15% Cu, 1.4 g/t Ag, 0.03% Ni, 0.01% Co, 0.02% Zn, 0.18% Mn, 19.1% Fe, 3.9% Mg, 9.2% S.

5302 at 5301

5% rust as disseminations and veinlets. Medium-grained diorite wallrock at and near contact, not hornfused, nonmagnetic, black mafics. 3% quartz veinlets but no blue grains seen. Nonconductive, nonradioactive. No AuPtPd. 0.02% Cu, 0.4 g/t Ag, 0.16% Mn, 9.2% Fe, 3.6% Mg, 1.2% K, 1.3% S.

Conductor S

Further washing at the mechanically stripped conductor S showed a 10cm thick offshoot from the sulfide-rich dike along the center of an older 10cm thick pegmatite dike over 3m. Sulfide textures are as coarse as in the main dike. After 4m the pegmatite dike is crosscut by a white chalcedony vein (5303).

5303 3502 E - 6033 N

White chalcedony vein, 10cm thick, bladelike vugs, 40% altered wallrock diorite, barren. Nonmagnetic, no fizz. No AuPtPd.

5304 3498 E - 6022 N (see 5305)

10% very fine sulfide and one pyrite cluster. Very fine chilled dark-gray margin of sulfide-rich pyroxenite dike with 5 % wallrock diorite 5305, to test original magma. H-5-6, heavy. Nonmagnetic, no fizz.

11 ppb Au, no PtPd. 0.06% Cu, 1.7 g/t Ag, no NiCo, 0.03% Zn, 0.45% Mn, 16.3 % Fe, 2.7 % Mg, 6.1 % S.

5305 at 5304

Barren medium-grained black-white wallrock diorite at west contact, incl. 15% chilled 5304, hardly altered, not hornfelsed. Nonmagnetic, no fizz. No AuPtPd. 0.01% Cu, 0.3 g/t Ag, no NiCo, 0.28 % Mn, 9.2 % Fe, 1.9 % Mg, 1.5 % S.

Conductor V

I discovered this Beep Mat anomaly V in 2002, T-4800, samples SR111-113. Presently I dug up two more spots <50cm deep of 1x1 and 2x2m, a few meters south. The anomaly lies above the steep E-slope and continues towards the serpentinite cliff in SE, where it is not dug up yet. All samples are of the same type yet may possibly be boulders, but could also be the margin or offshoots of the serpentinite nearby in the east, or a dike like at pit S. There is no airborne anomaly here.

5287 3625 E - 6560 N (very approximately)
15% rust, 5% magnetic pyrrhotite as disseminations and streaks, 2% pyrite veinlets. Fine-grained pyroxenite with local minor plagioclase or assimilated quartz. 10 ppb Au, no PtPd, 0.04% Cu, 1.7 g/t Ag, no NiCo, 0.03 % Pb, 0.06 % Zn, 0.7 % Mn, 22.7 % Fe, 1.9 % Mg, 8.1% S.

5288 3628 E - 6560 N (very approximately)
20% rust after pyrite, 20% magnetic pyrrhotite, 4% pyrite veinlets < 1 cm thick. Strongly magnetic pyroxenite like 5287. Possibly 17 ppb Au, no PtPd. 2.2 g/t Ag, 0.08 % Cu, 0.01 % Ni, 0.01 % Co, 35.2 % Fe, 1.4 % Mg, 0.59 % Mn, 15.5 % S.

5289 3629 E - 6561 N (very approximately)
10% rust, 30% magnetic pyrrhotite, same pyroxenite as 5287 but no pyrite. No AuPtPd, 1.9 g/t Ag, 0.06 % Cu, 0.01 % Ni, no Co, 38.4 % Fe, 1.5 % Mg, 16.5 % S.

Sampling at Jules - Donut Lakes Area

Soil samples 5254 to 5263 are high in Ni and Cr due to the NiPtPd-bearing seemingly barren pyroxenite such as 5252. The trace of gold in 5254 may also be meaningful. With only 0.02% S the 0.11% Ni must have been in the magma, and would have deposited where more sulfur would have been added to the magma. The pyroxenite likely is a central part of the ultramafic trend outlined by the outcropping serpentinite contacts. See map 1 : 20,000.

5254	soil	L8740 N - 9050 E	7 ppb Au; (ppm) 104Ni, 126Cr.
5255	soil	below 5254	0 Au; (ppm) 196Mn, 65Ni, 121Cr.
5258	soil	L8740 N - 9023 E	4 Au; (ppm) 88Mn, 80Ni, 78Cr.
5259	soil	L8670 N - 8970 E	0 Au; (ppm) 84Mn, 39Ni, 63Cr.
5260	soil	L8646 N - 8922 E	0 Au; (ppm) 92Mn, 52Ni, 87Cr.
5261	soil	L8650 N - 8966 E	0 Au; (ppm) 147Mn, 167Ni, 136Cr.
5262	soil	L8650 N - 8840 E	0 Au; (ppm) 87Mn, 47Ni, 73Cr.
5263	soil	L8700 N - 9250 E	0 Au; (ppm) 95Mn, 30Ni, 77Cr.

5251 b L87N - 9238 E

Boulder probably, 10% pyrite and 2% magnetic pyrrhotite disseminated as very conductive layers, meta-quartzite. 13 ppb Au, no PtPd, 0.03% Cu, 0.9 g/t Ag, 0.09% Zn, 8.2% Fe, 0.4% Mg, 5.1% S.

5252 L8750N - 9037 to 9080 E

Barren, gray, fine pyroxenite, weakly magnetic, some magnetite plating at south-base, weathers beige and brown. From high outcrop with cliff 317/75. Makes extreme chargeability anomaly. 0 Au, 6 ppb Pt, 5 ppb Pd, 0.11% Ni, 0.01 % Co, no CuAgPbZn, 0.015 % V, 0.12% Mn, 8.0 % Fe, 0.2% Ti, 14.1% Mg, 0.02% S, 4.6% Ca, 0.6 % Na, 3.5 %Al, 0.1% K. Probably the Ni is in the silicates, and could have been scavenged by sulfides elsewhere, but none were found here.

5257 L85N - 8928E

Gossan, 20m up from lakeshore. No AuPtPd. 0.02 % Cu, 0.5 g/t Ag, no NiCoVPb, 0.02 % Zn, 1.66% Mn, 32.2 % Fe, 2.0 % Mg, 1.8 % S. No NaK, 3.5 % Ca, 0.7 % Al.

This sample is too weathered to be sure, but the analysis resembles the small dikes at C, 5294 and 5295. Here the serpentinite again lies in Donut Lake and the contact outcrops at the shore nearby.

Conclusions

The main interest remains conductor C because of its Ag and Cu content, although iron sulfides far predominate. The present work established that the sulfides are in dikelets, and one more is near surface but covered by bedrock. Chalcopyrite here is well visible, whereas it has not been seen in the other locations. With the proximity to the serpentinite at Jules Lake and the interdependent AgCu it could be related to the Hollinger Copper occurrence at 1200m NNE. Ni seems depleted considering so much Fe, but there is minor cobalt. The nearby locally conductive dikes 5294 and 5295 contain 1% Mn and 21% Fe but only 1.3% S, and do not seem related.

The NiPtPd-bearing pyroxenite 5252 indicates such separate potential of the ultramafic trend.

Conductors U and M also show minor AgCu but there seems to be serpentinite only near M.

Conductors S and V contain hardly anomalous Cu considering the sulfides but much Mn, whereas Ni and Co are anomalously low considering the Fe content. An offshoot at S further proves the sulfide-rich pyroxenite to be a dike, and younger than a pegmatite dike.

Of the 21 airborne Megatem II anomalies A to U, 9 have been dug up and sampled so far, 9 plot in small swamps, and only 3 most likely do not come to surface. Conductor S is 5m thick semi-massive sulfide but is plotted as weak as most others. This would suggest that the penetration of the method is very limited, and that one cannot rule out deposits along the swamps and lakes covering the ultramafic trend, especially not as these may be deep and would interfere through their own conductivity.

Soils

The very minor gold values at M and V may not be significant, but the result of 23 ppb Au from soil sample 5298 taken above sample 5301 of 19 ppb Au augurs well for that exploration method. Similarly soil anomalies of <167 ppm Ni and <136 ppm Cr, both in sample 5261, over the large pyroxenite like sample 5252 of 1120 ppm Ni show that conventional soil sampling works.

Humus samples will have to be evaluated as a separate population as values for Ag, Cd, Cu, Ca, Mn, Bi, U, Sr, REE, are much higher than in soils according to the only three humus samples 5275, 5280, 5284. This needs to be pursued in case the three samples reflect real anomalies, especially the Y, Pb, REE, which are high only in humus 5275, and Zn only in humus 5280. All other soils were sand or silt; none were clay.

The Beep Mat conductor at that humus 5280 may be electrolyte over sulfides. The dried humus from 1m depth in swamp was quite magnetic, maybe from static. Packed fine enriched sand 5281 under 50cm humus from the margin of that swamp was slightly magnetic but not anomalous.

Recommendations

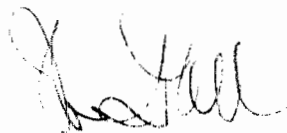
Since the Beep Mat BM4+ reaches only conductors under less than 2m of overburden, and the present conventional soil sampling worked, further pursuit of the airborne and Beep Mat conductors with soil sampling is recommended, especially at T, U, C. More hand excavation should also be done along conductors M and V, as both are near serpentinite eastward. This will show whether the conductors merit more geophysics or drilling.

MAG at 5m intervals and Maxmin with a 50m cable at 4 frequencies should be tried over the swamps and lakes on the ultramafic trend, as the Ronka with a 92m cable, files T-702, may have been too remote or inadequate, and the IP, T-5071 and T-5209, too diverse to interpret. Abrupt variations of MAG readings would indicate that the bedrock is close. Soil or humus sampling could then be tried in conjunction with the Beep Mat BM4+ looking for possible electrolytes, and should include lake bottoms. Gravity readings on the ice may also be quite simple and could also tell the depth and find a deposit. However, considering the savings through use of the Beep Mat BM4+ on land anomalies, the greater risk of immediately drilling new swamp anomalies should be bearable, especially when these are geologically the most promising and least exposed areas, and the vaguest to evaluate by soil sampling.

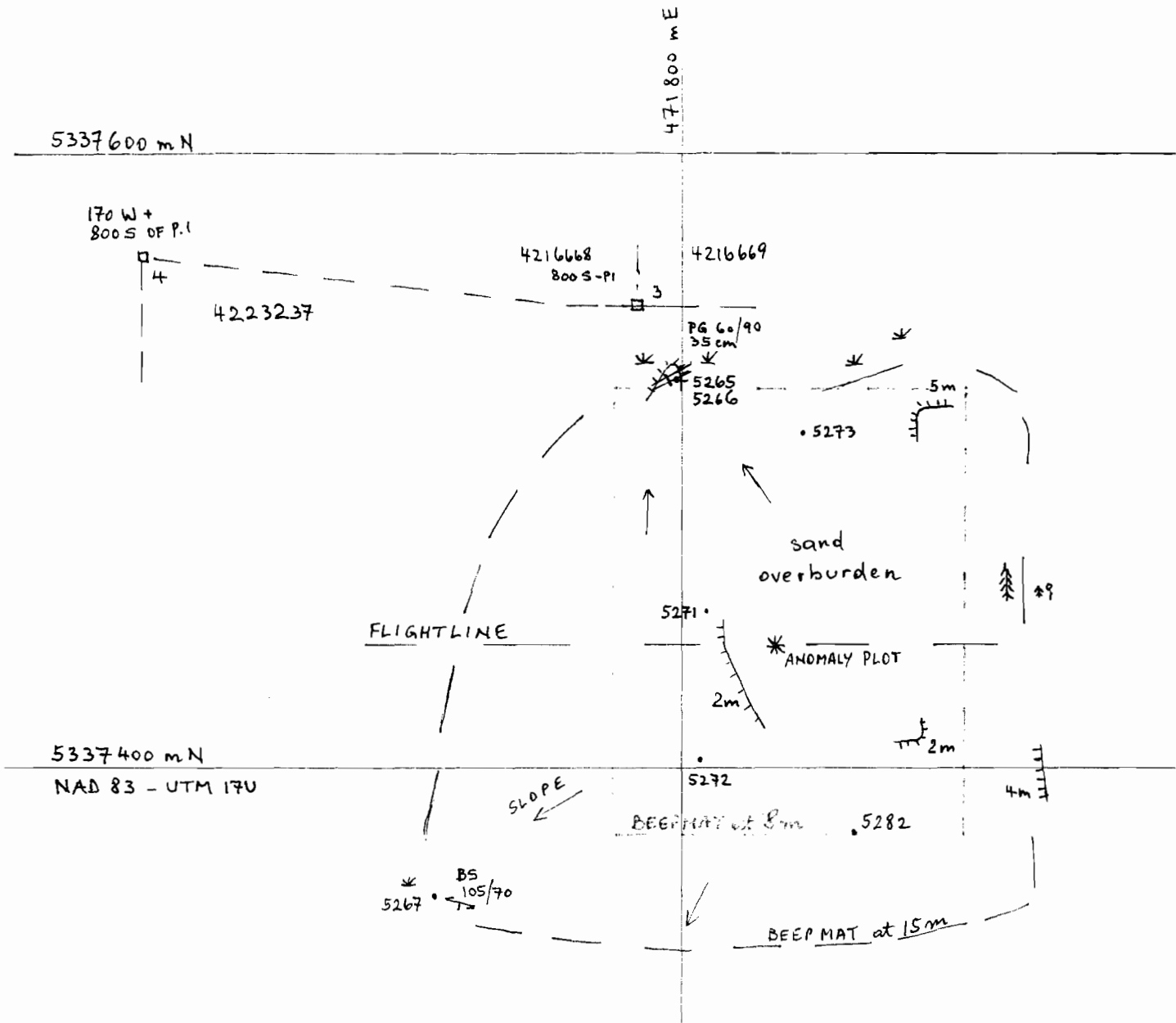
Airborne surveys cannot preclude conductors despite claims for deep penetration. On this ultramafic trend a strong deep airborne anomaly was drilled and the strong conductor later found only in bedrock with the BM4+ to where it had been projected from depth. Obviously it was sensed only on surface and projected to depth, but there it was not. Continued ground exploration is recommended.

Respectfully submitted,

16 Feb 2009



by Hermann Daxl, M.Sc. Minex



Anomaly T
 Map Scale 1:2000
 H. Daxl Feb 2009

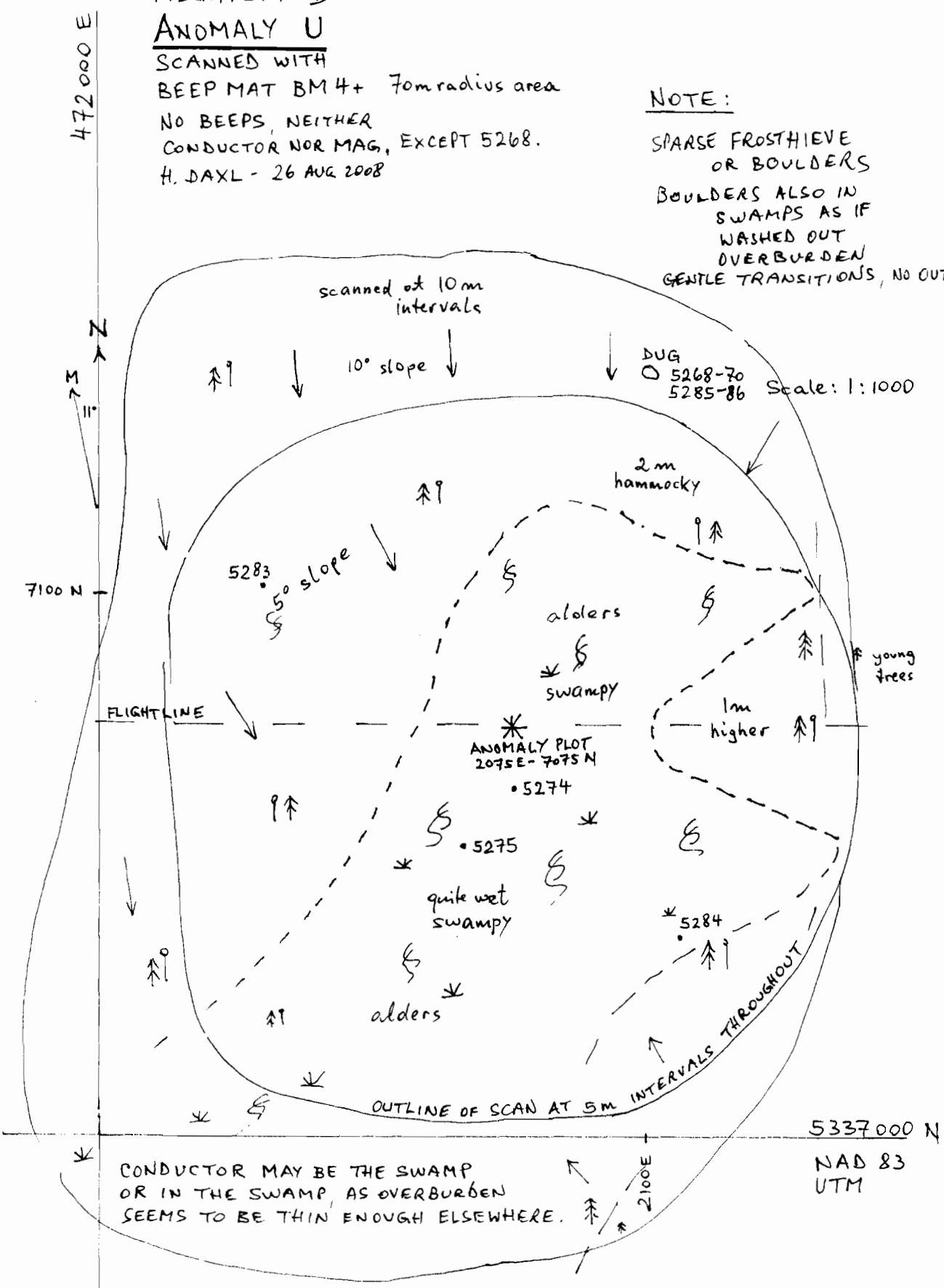
MEGATEM II
ANOMALY U

SCANNED WITH
 BEEP MAT BM 4+ 70m radius area

NO BEEPS, NEITHER
 CONDUCTOR NOR MAG, EXCEPT 5268.
 H. DAXL - 26 AUG 2008

NOTE:

SPARSE FROSTHIEVE
 OR BOULDERS
 BOULDERS ALSO IN
 SWAMPS AS IF
 WASHED OUT
 OVERBURDEN
 GENTLE TRANSITIONS, NO OUTCROPS



CONDUCTOR MAY BE THE SWAMP
 OR IN THE SWAMP, AS OVERBURDEN
 SEEMS TO BE THIN ENOUGH ELSEWHERE.

5337000 N
 NAD 83
 UTM

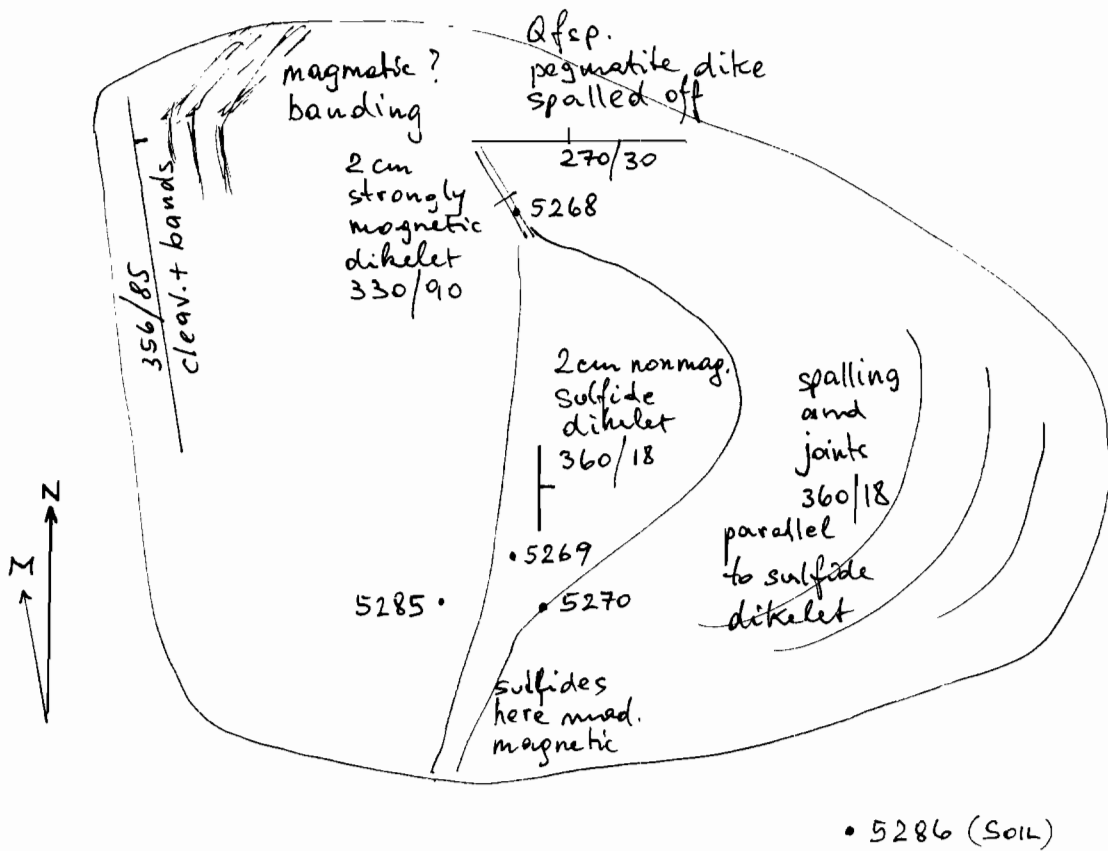
Near Anomaly U

Pit Scale 1 : 20

NAD83 - 17U

0472100 E - 5337140 N

H. Daxl Feb 2009



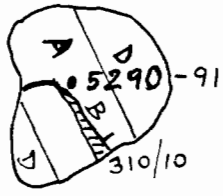
Near Anomaly U

NAD83 - 17U
0472100 E - 5337140 N

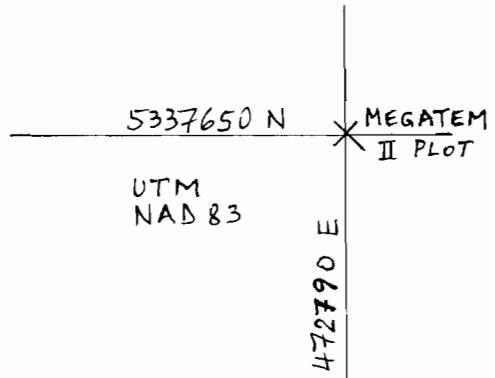


Gray gabbro bedrock with dark conductive locally magnetic sulfide-rich 2cm dikelet 360/18, found with Beep Mat BM4+ under 20cm humus, possibly an offshoot of airborne TEM plot 2075 E - 7075 N.

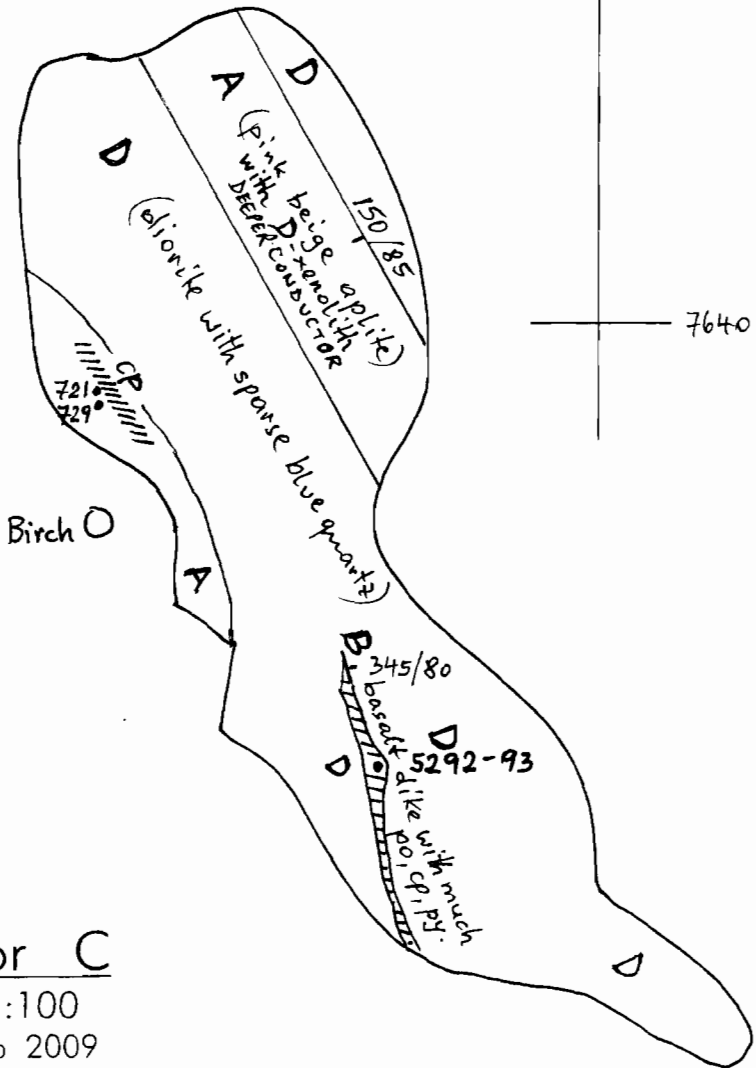




335° 02'



• 5297 Soil



Conductor C

Pit Scale 1:100
H. Daxl Feb 2009

Stripping of Conductor C expanded Sep 2008
looking NNW

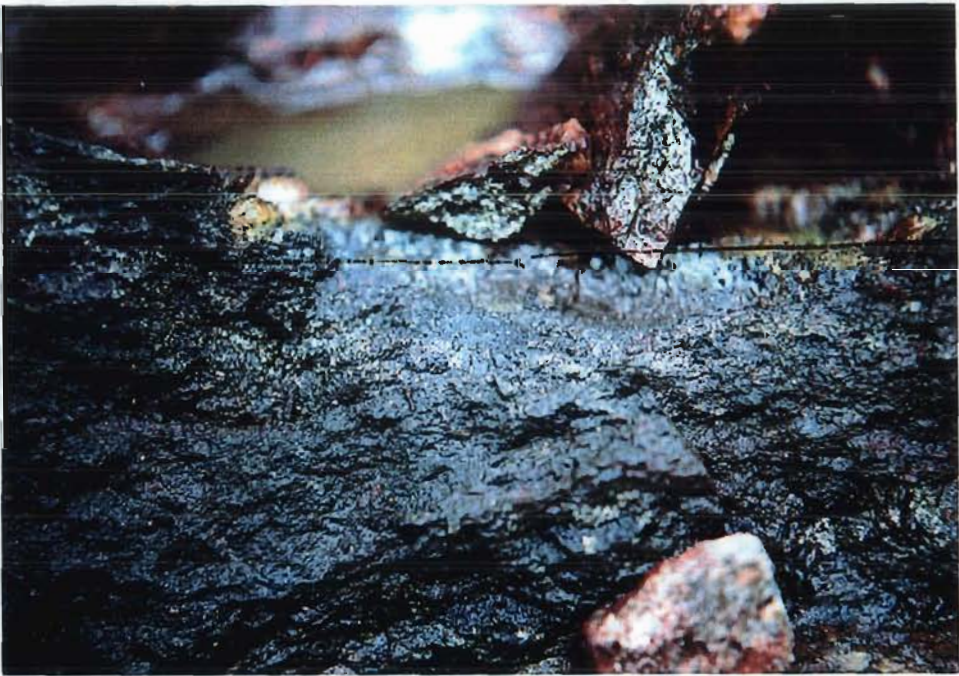


looking SSE



Conductor C

Conductor C at samples 5292 and 5293



Conductor M

View 300 az. along conductor M from new pit at L8755 N - 8828 E.
Could be dug up by hand all along to 2007-pit at L8790 N - 8842 E.



Quality Analysis ...



Innovative Technologies

Date Submitted: 08-Dec-08
Invoice No.: A08-8515 (i)
Invoice Date: 24-Dec-08
Your Reference: BM-08

Hermann Daxl
39-630 Riverpark Rd.
Timmins Ontario P4P 1B4

ATTN: Hermann Daxl

CERTIFICATE OF ANALYSIS

CHIP 1-2.5 Kg crushed 90 < 2 mm
25 Core samples and 1 Pulp sample were submitted for analysis. Made 250 g Pulps
The following analytical packages were requested: Code 1C-Exp Fire Assay-ICP/MS 30g - Au Pt Pd
Code 1F Total Digestion ICP(TOTAL)

REPORT A08-8515 (i)

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:

Values which exceed the upper limit should be assayed for accurate numbers.
We recommend reanalysis by fire assay Au, Pt, Pd Code 8 if values exceed upper limit.

CERTIFIED BY :

A handwritten signature in black ink, appearing to be "Elitsa Hrischeva", written over a horizontal line.

Elitsa Hrischeva, Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.

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

30 g Fire Assay

Near total digest

Activation Laboratories Ltd.

Report: A08-8515 (i) rev 1

Analyte Symbol	Pd	Pt	Au	Ag	Cd	Cu	Mn	Mo	Na	Ni	Pb	Zn	Al	Be	Bi	Ca	Co
Unit Symbol	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Detection Limit	1	1	2	0.3	0.3	1	1	1	0.01	1	3	1	0.01	1	2	0.01	1
Analysis Method	FA-MS	FA-MS	FA-MS	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
5251 boulder	<1	1	13	0.9	2.0	259	323	2	0.08	29	52	867	0.81	1	<2	0.24	33
5252 large pyroxenite	5	6	<2	<0.3	0.5	10	1230	<1	0.57	1120	<3	49	3.48	<1	<2	4.58	87
5257 Donut Lake	<1	<1	2	0.5	1.5	243	16600	3	0.09	38	9	151	0.73	<1	<2	3.48	21
5265 T	<1	<1	<2														
5266 T	<1	<1	<2														
5267 T	<1	1	<2														
5268 U	<1	<1	<2	1.5	1.5	748	1140	1	1.41	42	<3	76	4.89	1	<2	3.79	15
5269 U	<1	<1	8	2.8	1.5	1380	851	5	0.43	201	9	55	2.03	1	<2	2.48	51
5270 U	<1	<1	<2	3.0	0.8	1030	949	1	1.98	60	3	69	4.27	1	<2	3.58	28
5285 U	<1	1	<2														
5287 V	<1	<1	10	1.7	7.9	412	6970	1	0.72	58	265	557	2.73	1	<2	3.27	8
5288 V	<1	<1	17	2.2	1.7	784	5850	<1	0.06	118	9	59	0.87	1	<2	1.51	75
5289 V	<1	<1	5	1.9	1.7	582	6530	<1	0.05	112	7	73	0.88	1	<2	1.44	2
5290 C	<1	4	9	4.0	1.2	4280	1180	6	0.80	106	4	62	2.43	<1	<2	3.68	325
5291 C	<1	<1	4	14.6	1.6	>10000	1060	2	2.46	76	<3	112	5.52	1	<2	3.23	21
5292 C	<1	<1	3	1.8	1.5	1780	1290	9	1.76	135	9	51	4.82	1	<2	3.91	74
5293 C	1	3	4	4.6	1.6	4350	770	16	0.56	213	44	43	1.70	<1	<2	1.79	795
5294 dike near C	<1	<1	<2	0.3	1.0	114	10300	<1	0.87	39	3	68	4.77	1	<2	3.94	12
5295 dike near C	<1	<1	<2	0.4	2.2	371	9950	1	0.92	34	8	93	3.71	1	<2	4.05	14
5299 C	<1	<1	5	2.6	1.3	658	1180	7	2.01	15	6	57	4.69	<1	<2	1.25	278
5300 TEST P/LA (TPO LOW)	914~	412~	490~	4.5	1.3	4090 ✓	1140	7	1.64	>10000 ✓	18	109	3.22	4	<2	3.62	586
5301 M	<1	<1	19	1.4	0.9	1530	1810	2	1.85	321	23	221	5.04	1	<2	5.00	111
5302 M	<1	<1	<2	0.4	0.5	186	1600	7	2.41	137	12	145	6.34	1	<2	3.80	32
5303 S	<1	<1	<2														
5304 S	<1	<1	11	1.7	1.5	593	4480	1	0.45	47	30	314	2.58	1	<2	3.84	26
5305 S	<1	<1	<2	0.3	0.7	112	2830	<1	2.10	48	5	108	5.17	1	<2	3.39	17

Near total digest Report: A08-8515 (i) rev 1

Activation Laboratories Ltd.

Analyte Symbol	Y	S	Fe	K	Mg	P	Sr	Ti	V
Unit Symbol	ppm	%	%	%	%	%	ppm	%	ppm
Detection Limit	2	0.01	0.01	0.01	0.01	0.001	1	0.01	2
Analysis Method	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
5251 boulder	15	5.11	8.19	0.08	0.38	0.040	11	0.04	33
5252 large pyroxenite	8	0.02	8.01	0.10	14.1	0.014	22	0.21	149
5257 Donut Lake	9	1.82	32.2	0.04	2.01	0.009	7	0.10	35
5265 T									
5266 T									
5267 T									
5268 U	9	0.42	25.4	0.58	1.44	0.052	165	0.25	86
5269 U	12	12.6	33.1	0.15	1.51	0.038	41	0.10	42
5270 U	7	1.53	15.2	0.73	1.59	0.079	215	0.34	101
5285 U									
5287 V	9	8.15	22.7	0.34	1.92	0.053	129	0.17	78
5288 V	7	15.5	35.2	0.08	1.39	0.016	24	0.04	26
5289 V	7	16.5	38.4	0.14	1.54	0.015	38	0.06	41
5290 C	20	8.63	21.5	0.19	2.20	0.107	125	0.12	119
5291 C	11	7.78	16.2	0.77	1.25	0.096	262	0.29	141
5292 C	18	9.88	21.4	0.49	2.11	0.053	222	0.25	95
5293 C	9	> 20.0	33.6	0.20	1.20	0.030	63	0.07	89
5294 dike near C	13	1.25	21.2	0.40	2.87	0.038	62	0.18	60
5295 dike near C	15	1.32	21.7	0.43	1.99	0.030	129	0.15	52
5299 C	9	4.29	21.3	0.19	1.98	0.045	106	0.24	128
5300 TEST PULP	31	12.3 ✓	22.7	1.58	2.03	0.143	324	0.32	101
5301 M	9	9.24	19.1	0.57	3.93	0.052	159	0.26	120
5302 M	11	1.33	9.19	1.16	3.58	0.059	235	0.36	124
5303 S									
5304 S	9	6.11	16.3	0.22	2.72	0.018	19	0.30	121
5305 S	6	1.45	9.19	0.56	1.94	0.050	218	0.24	96

Quality Control

Analyte Symbol	Pd	Pt	Au	Ag	Cd	Cu	Mn	Mo	Na	Ni	Pb	Zn	Al	Be	Bi	Ca	Co
Unit Symbol	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%	ppm
Detection Limit	1	1	2	0.3	0.3	1	1	1	0.01	1	3	1	0.01	1	2	0.01	1
Analysis Method	FA-MS	FA-MS	FA-MS	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
GXR-1 Meas				31.8	2.2	1250	951	16	0.05	44	753	753	2.50	1	1430	0.94	7
GXR-1 Cert				31.0	3.30	1110	852	18.0	0.0520	41.0	730	760	3.52	1.22	1380	0.960	8.20
DNC-1 Meas				< 0.3		102	1170	< 1	1.49	252	3	61	8.47	< 1	< 2	8.10	57
DNC-1 Cert				0.0270		96.0	1150	0.700	1.39	247	6.30	66.0	9.69	1.00	0.0200	8.06	54.7
GXR-4 Meas				4.4	0.5	6580	159	298	0.50	36	47	83	2.44	2	8	0.99	15
GXR-4 Cert				4.00	0.860	6520	155	310	0.564	42.0	52.0	73.0	7.20	1.90	19.0	1.01	14.6
GXR-2 Meas				18.7	4.2	85	968	1	0.58	21	713	557	7.92	2	< 2	0.85	10
GXR-2 Cert				17.0	4.10	76.0	1010	2.10	0.556	21.0	690	530	16.5	1.70	0.690	0.930	8.60
SDC-1 Meas				< 0.3	0.5	29	969	< 1	1.57	37	20	103	7.88	3	< 2	1.16	20
SDC-1 Cert				0.0410	0.0800	30.0	883	0.250	1.52	38.0	25.0	103	8.34	3.00	2.60	1.00	17.9
SCO-1 Meas				0.3	0.3	30	431	1	0.69	30	25	100	6.98	2	< 2	2.07	12
SCO-1 Cert				0.134	0.140	28.7	410	1.37	0.670	27.0	31.0	103	7.24	1.84	0.370	1.87	10.5
GXR-6 Meas				0.6	0.5	71	1200	1	0.10	27	93	132	12.4	1	< 2	0.20	15
GXR-6 Cert				1.30	1.00	66.0	1010	2.40	0.104	27.0	101	118	17.7	1.40	0.290	0.180	13.8
CDN-PGMS-9 Meas	2450	709	1050														
CDN-PGMS-9 Cert	2600	710	1040														
OREAS 13P Meas						2580				2100							
OREAS 13P Cert						2500				2260							
5285 Orig	< 1	1	< 2														
5285 Dup	< 1	1	< 2														
5293 Orig				4.6	1.6	4310	767	16	0.56	214	44	41	1.69	< 1	< 2	1.78	791
5293 Dup				4.6	1.6	4400	773	16	0.57	211	44	44	1.70	< 1	< 2	1.80	798
5299 Orig	< 1	< 1	5														
5299 Dup	< 1	< 1	5														
5305 Orig	< 1	< 1	< 2	0.3	0.7	112	2830	< 1	2.10	48	5	108	5.17	1	< 2	3.39	17
5305 Split	< 1	< 1	< 2	< 0.3	0.5	108	2820	< 1	2.11	49	6	81	6.37	1	< 2	3.44	17
Method Blank Method Blank				< 0.3	< 0.3	1	5	< 1	< 0.01	< 1	< 3	1	0.01	< 1	< 2	< 0.01	< 1
Method Blank Method Blank				< 0.3	< 0.3	< 1	4	< 1	< 0.01	< 1	< 3	1	< 0.01	< 1	< 2	< 0.01	< 1
Method Blank Method Blank				< 0.3	< 0.3	< 1	3	< 1	< 0.01	< 1	< 3	1	0.01	< 1	< 2	0.01	< 1
Method Blank Method Blank				< 0.3	< 0.3	1	5	< 1	< 0.01	3	< 3	1	< 0.01	< 1	< 2	0.01	< 1

Activation Laboratories Ltd.

Report: A08-8515 (i) rev 1

Quality Control									
Analyte Symbol	Y	S	Fe	K	Mg	P	Sr	Ti	V
Unit Symbol	ppm	%	%	%	%	%	ppm	%	ppm
Detection Limit	2	0.01	0.01	0.01	0.01	0.001	1	0.01	2
Analysis Method	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP
GXR-1 Meas	32	0.25	25.1	0.06	0.23	0.067	306		90
GXR-1 Cert	32.0	0.257	23.6	0.0500	0.217	0.0650	275		80.0
DNC-1 Meas	16	0.05	7.34	0.25	6.04	0.030	137	0.28	153
DNC-1 Cert	18.0	0.0390	6.94	0.190	6.06	0.0370	145	0.287	148
GXR-4 Meas	7	1.69	2.86	4.13	1.16	0.136	195		83
GXR-4 Cert	14.0	1.77	3.09	4.01	1.66	0.120	221		87.0
GXR-2 Meas	14	0.01	1.84	1.97	0.82	0.069	148		58
GXR-2 Cert	17.0	0.0313	1.86	1.37	0.850	0.105	160		52.0
SDC-1 Meas	38	0.06	5.06	2.98	1.05	0.066	182	0.42	80
SDC-1 Cert	40.0	0.0650	4.82	2.72	1.02	0.0690	183	0.606	102
SCO-1 Meas	23		3.77	3.03	1.65	0.098	170	0.37	141
SCO-1 Cert	26.0		3.59	2.30	1.64	0.0900	174	0.380	131
GXR-6 Meas	15	0.02	5.97	2.57	0.64	0.044	43		204
GXR-6 Cert	14.0	0.0160	5.58	1.87	0.609	0.0350	35.0		186
CDN-PGMS-9 Meas									
CDN-PGMS-9 Cert									
OREAS 13P Meas			7.08						
OREAS 13P Cert			7.58						
5285 Orig									
5285 Dup									
5293 Orig	9	> 20.0	33.4	0.20	1.19	0.030	63	0.07	88
5293 Dup	9	> 20.0	33.9	0.20	1.21	0.030	63	0.07	89
5299 Orig									
5299 Dup									
5305 Orig	6	1.45	9.19	0.56	1.94	0.050	218	0.24	96
5305 Split	7	1.45	9.31	0.60	2.02	0.050	222	0.24	95
Method Blank Method Blank	< 2	< 0.01	< 0.01	< 0.01	< 0.01	< 0.001	< 1	< 0.01	< 2
Method Blank Method Blank	< 2	< 0.01	< 0.01	< 0.01	< 0.01	< 0.001	< 1	< 0.01	< 2
Method Blank Method Blank	< 2	< 0.01	< 0.01	< 0.01	< 0.01	< 0.001	< 1	< 0.01	< 2
Method Blank Method Blank	< 2	< 0.01	< 0.01	< 0.01	0.01	< 0.001	< 1	< 0.01	< 2

Quality Analysis ...



Innovative Technologies

Date Submitted: 11-Dec-08
Invoice No.: A08-8655
Invoice Date: 23-Dec-08
Your Reference: MUS

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

ATTN: Hermann Daxl

CERTIFICATE OF ANALYSIS

28 Soil samples were submitted for analysis.

The following analytical package was requested: Code UT-1-0.5g Aqua Regia ICP/MS

REPORT **A08-8655**

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Notes:

Assays are recommended for values >10,000 for Cu and Au.

CERTIFIED BY :

A handwritten signature in black ink, appearing to read "Elitsa Hrischeva", written over a horizontal line.

Elitsa Hrischeva, Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.

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Ultratrace 1 0.5 g Aqua Regia

Activation Laboratories Ltd.

Report: A08-8655

Analyte Symbol	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni
Unit Symbol	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
Detection Limit	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	0.5	1	0.01	0.1	0.1
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
5253 TEST 414 OK	74.0	1.2	16	0.039	0.85	3.71	0.35	< 0.02	0.97	9.2	62	76.6	653	3.57	15.3	41.6
5254	8.5	0.2	4	0.028	0.27	1.60	0.04	< 0.02	0.26	3.3	29	126	95	1.94	10.6	104
5255	5.9	0.1	4	0.053	0.35	1.04	0.03	< 0.02	0.35	2.6	28	121	196	1.52	11.0	64.6
5258	8.9	0.3	5	0.026	0.23	1.46	0.04	< 0.02	0.21	3.1	28	78.4	88	1.47	8.3	79.7
5259	8.1	0.3	4	0.023	0.28	1.41	0.04	< 0.02	0.21	2.3	25	63.2	84	1.29	6.2	38.7
5260	8.1	0.3	4	0.022	0.22	1.51	0.04	< 0.02	0.21	2.6	33	87.2	92	1.57	7.9	52.3
5261	15.3	0.4	5	0.027	0.54	1.66	0.06	< 0.02	0.28	3.2	51	136	147	2.86 mt	15.0	167
5262	9.9	0.3	4	0.023	0.29	1.29	0.05	< 0.02	0.24	2.4	39	73.0	87	1.84	6.1	47.2
5263	9.5	0.3	5	0.026	0.27	1.39	0.05	< 0.02	0.33	2.8	29	77.1	95	1.61	6.3	29.9
5264 = 5262	9.7	0.3	5	0.026	0.28	1.23	0.04	< 0.02	0.24	2.3	37	67.6	86	1.74	5.9	46.7
5271	7.6	0.2	4	0.026	0.28	1.23	0.03	< 0.02	0.29	2.5	23	38.4	86	1.05	4.5	27.5
5272	10.3	0.3	4	0.028	0.27	1.73	0.05	< 0.02	0.31	3.6	45	43.2	115	2.21	5.5	18.2
5273	12.4	0.5	4	0.033	0.34	1.81	0.05	< 0.02	0.44	4.3	38	52.2	115	1.49	7.7	35.0
5274	10.8	0.3	5	0.026	0.21	1.37	0.05	< 0.02	0.30	3.6	27	32.4	78	0.79	3.2	15.3
5275 H	4.8	0.9	17	0.051	0.20	1.73	0.04	0.33	1.57	2.5	27	44.4	209	0.97	6.6	34.8
5276 = 5271	9.8	0.3	9	0.035	0.36	1.99	0.05	< 0.02	0.45	4.1	33	56.4	117	1.49	6.3	38.2
5277 = 5273	12.6	0.4	4	0.028	0.36	1.63	0.04	< 0.02	0.37	3.3	37	42.5	113	1.42	7.2	32.4
5278 H = 5275	3.3	0.8	8	0.024	0.19	1.56	0.04	0.18	1.55	2.6	24	43.2	242	0.86	7.4	32.9
5279 H = 5275	2.9	0.8	5	0.022	0.17	1.54	0.04	0.18	1.51	2.2	22	39.7	237	0.80	6.8	30.2
5280 H	0.4	0.2	8	0.020	0.20	0.25	0.02	0.12	2.98	0.9	6	13.9	239	0.69	1.5	12.0
5281	4.1	0.1	2	0.018	0.17	0.58	0.03	< 0.02	0.36	1.1	15	22.6	69	0.46	2.0	9.8
5282	6.8	0.2	3	0.023	0.18	1.51	0.04	< 0.02	0.23	2.3	34	34.2	70	1.58	3.6	13.1
5283	5.4	0.4	4	0.024	0.20	0.79	0.03	< 0.02	0.25	1.9	25	25.2	75	1.07	2.8	12.9
5284 H	2.5	0.4	6	0.019	0.24	1.13	0.02	0.04	2.82	1.7	18	19.7	515	0.54	3.4	21.7
5286	8.0	0.2	2	0.023	0.25	0.88	0.05	< 0.02	0.24	1.9	46	33.4	122	3.16	3.9	14.5
5296	5.0	0.2	2	0.023	0.21	0.76	0.04	< 0.02	0.40	2.2	43	50.9	411	1.81	9.3	18.2
5297	5.0	0.1	2	0.025	0.19	0.67	0.04	< 0.02	0.37	1.9	21	27.4	91	0.78	3.2	18.4
5298	13.5	0.3	2	0.021	0.20	1.61	0.04	< 0.02	0.17	2.3	45	59.7	80	2.05	4.8	49.7

JULES - DONUT

CCTT

NEW CLAIM

UUUU

C west

CCM

H = Humus (others are sand or silt, but no clay)

Activation Laboratories Ltd.

Report: A08-8655

Analyte Symbol	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La	Ce	Pr	Nd
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.01	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5	0.01	0.1	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
5253 TEST 414 ✓	21.6	2.0	1.2	0.25	0.094	0.19	0.04	0.58	0.13	< 0.02	2.40	212	47.0	89.2	12.1	42.5
5254	5.21	3.0	1.7	0.24	< 0.002	0.02	0.02	0.24	0.07	< 0.02	0.80	22.5	15.9	37.7	3.9	13.5
5255	5.72	1.7	1.3	0.18	< 0.002	< 0.01	< 0.02	0.20	0.05	< 0.02	0.50	18.8	13.7	31.3	3.6	13.0
5258	4.29	5.2	1.5	0.29	< 0.002	0.02	< 0.02	0.39	0.05	< 0.02	0.90	28.2	13.3	30.5	3.2	11.3
5259	3.71	3.1	1.3	0.09	< 0.002	0.02	< 0.02	0.21	0.04	< 0.02	0.70	23.1	10.8	26.9	2.6	9.18
5260	4.50	3.0	1.7	0.23	< 0.002	0.07	0.02	0.26	0.07	< 0.02	0.70	22.1	14.5	31.6	3.6	12.6
5261	5.26	4.9	1.9	0.33	< 0.002	0.04	0.02	0.38	0.05	< 0.02	1.20	48.8	15.6	43.1	3.9	13.7
5262	4.14	2.4	1.8	0.27	0.013	0.03	< 0.02	0.36	0.03	< 0.02	1.00	25.9	12.2	28.3	3.0	10.5
5263	4.92	2.9	1.9	0.28	0.013	0.04	< 0.02	0.30	0.13	< 0.02	0.90	31.4	13.5	28.9	3.4	12.1
5264 =5262	4.15	2.4	1.8	0.25	0.013	0.03	< 0.02	0.35	0.03	< 0.02	1.00	26.9	12.8	29.2	3.2	10.8
5271	5.34	1.6	1.4	0.15	< 0.002	0.01	< 0.02	0.19	0.02	< 0.02	0.50	21.7	14.8	29.5	3.6	12.8
5272	6.37	4.1	2.3	0.47	0.005	0.02	0.02	0.42	0.03	< 0.02	0.90	27.9	21.5	44.2	5.2	18.0
5273	9.48	3.9	1.9	0.43	< 0.002	0.01	< 0.02	0.29	0.03	< 0.02	0.90	33.0	30.8	55.8	7.8	27.2
5274	10.2	2.3	1.8	0.24	0.016	0.03	< 0.02	0.39	0.02	< 0.02	1.50	29.1	31.0	45.5	8.1	29.1
5275 H	49.7	3.3	1.2	1.02	0.458	0.76	0.02	0.61	0.13	< 0.02	1.10	53.9	124	158	40.5	154
5276 =5271	8.31	2.5	1.9	0.22	< 0.002	0.02	< 0.02	0.27	0.03	< 0.02	0.70	28.1	23.2	44.5	5.8	19.9
5277 =5273	7.86	2.7	1.4	0.30	< 0.002	0.01	< 0.02	0.18	0.02	< 0.02	0.70	29.8	26.3	46.8	6.2	21.7
5278 H =5275	47.7	2.5	0.8	0.85	0.463	0.74	0.02	0.29	0.08	< 0.02	0.85	46.5	112	144	37.5	143
5279 H =5275	46.6	2.8	0.6	0.79	0.478	0.81	0.02	0.28	0.09	< 0.02	0.80	51.6	116	149	38.2	146
5280 H	3.00	1.8	0.2	0.69	0.045	0.65	< 0.02	0.14	0.04	< 0.02	0.60	85.9	3.5	5.39	1.0	3.75
5281	6.53	1.2	1.1	0.04	< 0.002	0.03	< 0.02	0.12	0.02	< 0.02	0.20	16.3	18.5	37.2	5.0	18.5
5282	4.29	2.1	1.8	0.19	0.049	0.03	< 0.02	0.23	0.03	< 0.02	0.60	24.6	13.3	29.0	3.3	11.3
5283	5.21	1.3	1.2	0.11	0.013	0.02	< 0.02	0.16	0.02	< 0.02	0.50	21.4	14.2	29.8	3.6	13.1
5284 H	11.7	2.9	0.6	0.53	0.127	0.75	< 0.02	0.16	0.04	< 0.02	0.70	47.3	20.6	34.5	5.3	19.0
5286	3.46	1.9	1.5	0.87	0.061	0.03	< 0.02	0.30	0.09	< 0.02	1.50	54.2	13.1	27.6	3.1	10.8
5296	9.20	2.7	1.5	0.24	< 0.002	0.01	< 0.02	0.25	0.02	< 0.02	0.40	22.5	44.0	97.2	10.8	37.8
5297	6.86	3.7	1.4	0.11	< 0.002	0.01	< 0.02	0.22	0.02	< 0.02	0.30	18.9	19.0	39.0	5.0	17.9
5298	3.40	2.5	1.6	0.40	0.016	0.03	0.02	0.39	0.05	< 0.02	1.30	29.7	14.1	28.7	3.3	11.5

JULES-DONUT

CCTH

NEW CLAIM

U
U
U

C-west

C
M

H = Humus

Ultratrace 1 0.5g Aqua Regia Activation Laboratories Ltd. Report: A08-8655

Analyte Symbol	Cu	Zn	Ga	Ge	As	Se	Rb	Sr	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.5	0.1	0.1	0.1	0.1	0.001	0.1	0.1	0.1
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
5253 TEST 414 ✓	20.4	90.7	11.8	0.2	2.7	0.9	52.1	37.7	7.7	1.3	5.6	0.7	3.80	0.7	1.9	0.3
5254	30.6	23.5	3.99	0.1	1.6	0.6	3.8	15.8	2.3	0.3	1.6	0.2	1.00	0.2	0.4	0.1
5255	24.3	17.3	2.70	0.1	1.4	0.5	2.4	16.6	2.4	0.3	1.7	0.2	1.10	0.2	0.5	0.1
5258	10.6	22.7	5.18	< 0.1	0.5	0.3	4.0	16.0	1.9	0.3	1.3	0.2	0.800	0.1	0.4	0.1
5259	6.54	18.5	3.35	< 0.1	1.3	0.2	3.3	13.2	1.6	0.3	1.1	0.1	0.700	0.1	0.3	< 0.1
5260	18.5	16.9	4.99	0.1	3.2	0.5	3.1	12.5	2.2	0.3	1.5	0.2	1.00	0.2	0.4	0.1
5261	29.1	23.9	6.32	0.1	3.0	0.4	5.8	16.5	2.4	0.3	1.7	0.2	1.10	0.2	0.5	0.1
5262	6.71	14.1	6.63	0.1	1.4	0.2	5.2	15.6	1.8	0.3	1.2	0.2	0.800	0.1	0.4	< 0.1
5263	5.74	29.5	4.67	0.1	3.7	0.4	5.6	17.8	2.2	0.3	1.4	0.2	0.900	0.2	0.4	0.1
5264 = 5262	6.32	18.1	6.13	< 0.1	1.2	0.3	5.0	15.4	1.9	0.3	1.3	0.2	0.800	0.1	0.4	< 0.1
5271	13.7	15.4	2.90	0.1	1.4	0.4	2.8	14.4	2.3	0.4	1.6	0.2	1.00	0.2	0.5	0.1
5272	9.32	16.7	6.45	0.1	1.8	0.5	6.3	17.6	3.2	0.4	2.1	0.3	1.30	0.2	0.6	0.1
5273	22.0	37.7	4.47	0.1	1.1	0.6	4.2	19.8	4.7	0.7	3.3	0.4	1.90	0.3	0.8	0.1
5274	15.1	22.9	7.81	0.1	0.5	0.4	5.6	19.0	5.2	0.9	3.5	0.4	2.10	0.4	0.9	0.1
5275 H	69.5	39.7	2.91	0.7	4.3	2.7	4.2	58.5	27.4	5.4	18.2	2.1	10.4	1.8	4.6	0.6
5276 = 5271	21.5	22.2	4.32	0.1	1.1	0.6	3.5	21.1	3.6	0.6	2.5	0.3	1.60	0.3	0.7	0.1
5277 = 5273	21.0	20.7	3.80	0.1	1.2	0.3	3.4	15.4	3.8	0.5	2.6	0.3	1.60	0.3	0.7	0.1
5278 H = 5275	63.4	14.6	2.49	0.6	2.3	2.2	3.3	55.8	25.4	5.1	17.0	2.0	9.90	1.8	4.4	0.6
5279 H = 5275	63.4	12.7	1.97	0.6	3.1	2.5	3.2	57.5	26.2	5.3	16.8	2.0	10.1	1.8	4.3	0.6
5280 H	24.0	98.9	0.29	< 0.1	1.6	0.8	1.3	34.8	0.8	0.2	0.6	0.1	0.400	0.1	0.2	< 0.1
5281	2.60	10.2	2.13	0.1	0.5	0.3	1.9	15.6	3.3	0.5	2.3	0.3	1.30	0.2	0.6	0.1
5282	3.94	11.0	4.86	0.1	1.4	0.6	3.6	13.3	2.0	0.3	1.4	0.2	0.800	0.2	0.4	0.1
5283	3.41	9.7	2.97	0.1	0.7	0.5	2.9	14.8	2.3	0.4	1.6	0.2	1.00	0.2	0.5	0.1
5284 H	62.8	28.9	1.22	0.1	0.9	1.4	2.2	39.8	3.4	0.7	2.4	0.3	1.70	0.3	1.0	0.1
5286	19.3	19.7	6.97	0.1	1.2	0.4	6.6	14.6	1.9	0.2	1.2	0.1	0.700	0.1	0.3	< 0.1
5296	5.94	11.4	2.51	0.2	0.3	0.5	3.2	19.2	6.4	0.6	4.2	0.4	2.10	0.3	0.8	0.1
5297	9.20	12.0	2.01	0.1	0.8	0.5	2.2	18.6	3.1	0.4	2.1	0.3	1.30	0.2	0.6	0.1
5298	11.3	59.0	7.49	0.1	0.9	0.5	5.2	14.2	2.0	0.3	1.3	0.2	0.700	0.1	0.3	< 0.1

JULES - DONUT

CCTH

NEW CLAIM
UUT
C-west
CM

H = Humus (others are sand or silt, but no clay)

Activation Laboratories Ltd.

Report: A08-8655

Analyte Symbol	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th	U
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.01	0.1	0.1
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS

JULES - DONUT	5253	TEST 414 ✓	1.5	0.2	< 0.1	< 0.05	< 0.1	< 0.001	12.2	0.21	10.3	5.1	1.3	
	5254		0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	7.1	0.05	5.59	3.9	0.7	
	5255		0.4	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.03	5.59	3.8	0.6	
	5258		0.3	< 0.1	0.1	< 0.05	< 0.1	< 0.001	4.0	0.05	5.15	2.7	0.5	
	5259		0.3	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.03	4.30	2.6	0.4	
	5260		0.3	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.04	4.98	3.7	0.5	
	5261		0.4	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.06	7.74	4.5	0.7	
	5262		0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.05	4.82	3.0	0.5	
	5263		0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.05	4.29	3.1	0.6	
	5264	= 5262		0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.05	4.74	3.2	0.5
CCTT	5271		0.4	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.03	6.39	3.2	0.8	
	5272		0.4	0.1	0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.05	6.01	5.4	0.9	
	5273		0.6	0.1	0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.06	9.58	7.3	1.8	
	5274		0.7	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.06	6.74	3.4	1.1	
	5275	H		3.4	0.5	0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.17	15.5	0.9	3.7
	5276	= 5271		0.5	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.04	8.92	4.4	1.2
	5277	= 5273		0.5	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.04	7.65	5.2	1.3
	5278	H = 5275		3.3	0.4	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.18	15.3	0.8	3.5
	5279	H = 5275		3.4	0.5	< 0.1	< 0.05	< 0.1	0.001	< 0.5	0.18	14.8	0.5	3.5
	5280	H		0.2	< 0.1	0.1	< 0.05	0.8	< 0.001	< 0.5	0.08	1.87	0.5	0.6
NEW CLAIM	5281		0.4	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.03	2.87	2.3	0.6	
	5282		0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.04	4.60	2.9	0.6	
	5283		0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 0.5	0.03	3.33	2.4	0.5	
	5284	H		0.8	0.1	0.1	< 0.05	< 0.1	0.001	< 0.5	0.09	1.77	1.4	3.2
	5286		0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.05	4.82	2.7	0.5	
	5296		0.6	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.04	5.64	13.2	1.5	
C-west	5297		0.5	0.1	0.1	< 0.05	< 0.1	0.001	< 0.5	0.03	3.10	4.1	0.7	
	5298		0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	23.3	0.06	5.48	3.7	0.6	

H = Humus

Daily Log of Continued Prospecting 2008

Jules Lake Area

26 Aug 2008	Beep Mat scan & sample	Pyroxenite Jules Lake
27 "	"	Pyroxenite Donut Lake
28 "	Scan	Area U
29 "	"	Area T
30 "	Scan & sample	Area T
31 "	"	Area T
1 Sep 2008	Scan & sample	Area U
3 "	Scan more and sample	Area T
4 "	"	Area U
6 "	Dig up and sample	Area U
7 "	Describe samples, draft	Area T + U
18 "	Dig up and sample	BM Cond V
19 "	Dig up and sample	BM Cond V
20 "	Dig up more and sample	Cond C
21 "	Scan more	Area C
22 "	Wash more & sample	Cond S
23 "	Scan more & sample	Area C
25 "	Dig more & sample	Cond C
26 "	Scan more	Area C
27 "	Scan more	Area C north
5 Oct 2008	Wash and describe samples	
9 Nov 2008	Dig more	Cond M
10 "	Dig more & sample	Cond M
5 Dec 2008	Sieve soils	

Total **24** days of field work by Hermann Daxl, M.Sc.

