

ORIENTATION SOIL SAMPLING

4-Corners and Highway Gold Areas

Kamiskotia Project

Claim Post Resources Inc.
55 University Ave, Suite 1010, Toronto, M5J 2H7

by Hermann Daxl, M.Sc. Minex

25 August 2008



2 • 38979

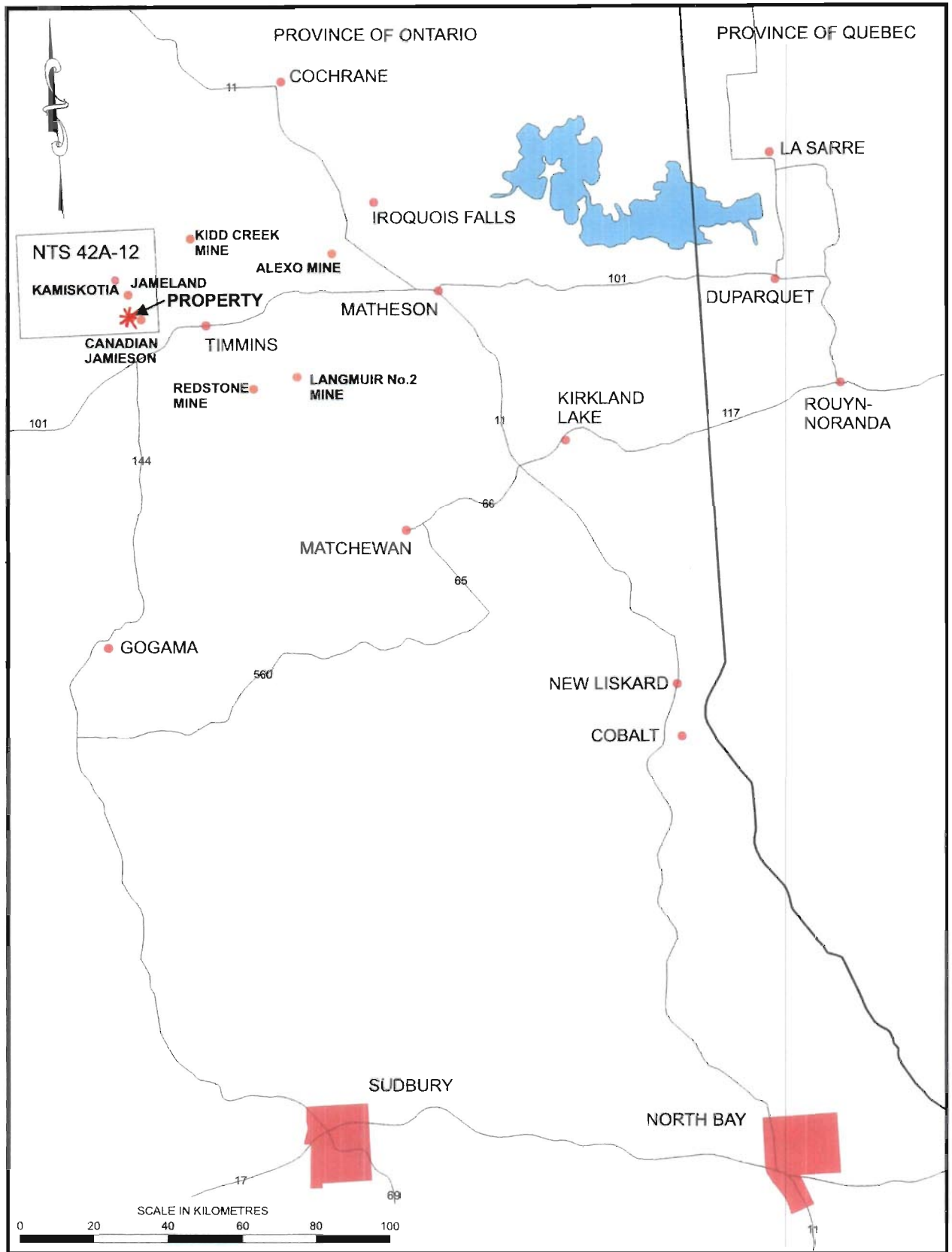


Figure 3: Property Location Map and the Current and Past Producing Base Metal Mines in the Timmins Area, Ontario.

LOCATION MAP by K. JENSEN
 * 4-CORNERS AND HIGHWAY GOLD

Introduction

The present conventional soil samples of the enriched B-horizon were taken on occasion from October 2006 until April 2008 to find a sampling method and type of analyses that would help to locate an economic deposit of the known zinc-gold, copper-gold, or gold-only mineralizations. All work was done by the author for the holders of the claims Claim Post Resources Inc. The analyses were done by Activation Laboratories Ltd. in Ancaster, Ontario.

The 85 samples were taken from the SW corner of Jamieson township northward to Highway 576 on claims 3012747, 3012748, 3011003, and more sparsely north of Highway 576 on claim 3010918, including 10 background samples outside. The area is 20km northwest of Timmins via Highway 576, three km before the Kamiskotia Lake. Please refer to the attached location map, claim map, and two sample maps.

The goal was to cover all known types of mineralization including those in recent drill holes CP-06-1 to 6 (T-5529 and T-5615) and CP-07-7 to 8 (T-5631). No previous soil sampling is on record, but in 2004 the showings were sampled and the present grid cut (T-5092), followed by the several IP and MAG surveys from 2004 to 2006 (T-5092 and T-5428).

The area lies in the regional Kamiskotia Gabbroic Complex, reportedly a tholeiitic intrusive overlain by the Kamiskotia Volcanic Complex of basalt and rhyolite. The hummocky area is covered by a variably mixed mature forest and thin overburden of mostly clay, which is often varved. No samples were taken in the few treeless swamps with alders, as the B horizon lies too deep to be reached and might fall into a different sample population that needs a separate orientation study.

Results

The present soil sampling method and type of analyses were clearly successful, for zinc and especially for its associated cadmium, and lead in two cases, in locating the wider area of quartz-zinc veins known from outcrops and near surface intersections in drill holes. The highest values, of the quite ordinary clay sample 438, are from the bottom of the slope down from the richest showing, ZnV1. A near surface extension of the deeper more significant 2.92 m intersection of 10.15% Zn at a vertical depth of 140m, ZnV3 cut off by a fault above, has still to be found, and there is room for it westward and southwestward.

Please refer to the maps with sample locations and values of ZnCdAuAgPb, and the lab certificates with annotations of unusually pale or very dark, or sandy samples.

Mineralizations and Anomalies

The 3 known types of mineralization are:

- | | |
|------------|--|
| Au | Gold alone associated with pyrite cubes. |
| ZnCdAuAgPb | Sphalerite in quartz veins, <20% Zn, usually with <5 g/t gold and <20 g/t silver, traces of galena, and very sparse pockets of chalcopyrite. |
| CuAu | Chalcopyrite pockets in quartz-veins, with <2 g/t gold. |

The present soil anomalies are (in ppm, AuAg in ppb, Fe in %):

Sample	Zn	Cd	Au	Ag	Pb	Th	Cu	Fe
409	368	2.50	7.8	53	9.4	8.6	27	2.7
423	104	0.24	6.3	91	13.1	10.5	32	3.6
434	147	0.43	3.4	60	11.2	8.3	21	3.1
438	1120	7.76	4.4	154	16.0	10.6	40	4.4
=476	1070	7.81	7.8	158	16.9	11.7	38	4.3
446	657	1.15	7.8	39	97.2	2.8	9	0.6
447	291	0.68	3.9	25	30.8	3.5	10	0.7
494	54	0.06	14.0	76	9.9	5.2	16	1.7
Normal	<100	<0.20	<10.0	<100	<20.0	<12.0	<30	<4.5

Zinc anomalies are high probably because of good concentrations in ore grades. Cadmium is only 1% of zinc in ore grades but its very distinctive anomalies leave no doubt about the zinc anomalies, and both agree well with known near surface mineralization. ZnV3 does not show so far, and may be too deep as it is downhole from a fault. Cadmium values are not a side effect of zinc, but are real according to the lab.

Gold anomalies are rather uncertain, although samples over known minor gold mineralization tend towards higher values, and sample 494 with the highest of 14 ppb Au would fall into a gold-only trend. This sample 494 is the darkest gray-brown clay of all samples, possibly also influenced by the swamp. Also other gold analyses did not repeat well, possibly due to the

very small aliquots of only 0.5g. Some repeat analyses of larger aliquots are planned. Total gold as from fire assays or neutron activation could include gold from transported sand grains, and therefore these were not done. However, one would expect that an economic gold deposit would make a conspicuous anomaly.

Silver anomalies were not found, probably because values are $<20\text{g/t Ag}$ in zinc ore grade. Only one extreme of 275 g/t Ag at 110.50-110.70m in DDH CP-06-3 is known.

Lead and thorium values in background correlate well, but in lead anomalies the thorium is not anomalous. This could be a useful criteria in selecting lead anomalies. In drill core galena was seen only with much sphalerite, yet only samples 446 and 447 are clearly anomalous in lead.

Copper so far is not anomalous, as the fist-size pockets may be too few.

Iron usually correlates with NiCoCuPbZnMnAs, less with AuAg, but all only at background levels. As one would expect, and as shown in different samples from the same spots, 402-403 (sandy vs. clay), 414-415 (darker vs. sandy), 452-453 (sandy vs. clay), 460-461 (pale vs. dark), 486-487 (darker vs. sandy), all these elements are less when colour is lighter or sand content is higher, but still make clear anomalies at the present $<0.3\text{mm}$ size analyzed. In similar samples 416-417 (25 vs. 45cm depth) from the same hole these elements are very similar.

Extremes of such properties, namely pale, very dark, sandy, as well as magnetite and fizz with 10% HCl, should be noted for better evaluation of analyses. The enriched B horizon should be looked for. Pale sand should not be sampled. No influence from various colours was found, only from colour intensity. In statistics the iron ratio could be useful for intensity, and sandy samples should be treated as a different population.

Sampling Procedures

Soil samples were taken on occasion from October 2006 to April 2008, of the enriched B-horizon, and darker colours were often preferred. Mostly clay regardless of topography, often varved clay, and sometimes silt to even coarse sand, were encountered and sampled.

The samples were extracted with a stainless steel auger from the enriched B-horizon, usually at <50cm from surface, below 10-30cm humus and sometimes below a 10-20cm clear leached B-horizon. Only plastic tools and bags were used thereafter. Clean parts were kneaded into a fist-size lump for homogenization, from which 5 - 8 thumb-size flakes were taken for easier drying at room temperature. Clay dried extremely hard, and should be crumbled during drying.

To speed up the process only 5 thumb-size lumps of clay should be picked with a stainless tool from the auger into a plastic bag that can be kept open for drying. Sandy samples need to be much larger to get enough fines.

All samples were rolled with a glass bottle on a melamine board to release enough fines, but without crushing too much sand. Very sandy samples were rubbed in the plastic bag to release the fines. The entire samples were then sieved to <1mm, followed by <0.3mm, with plastic coffee filters (available at Zeller's), the latter very briefly so as to restrict coarse rock particles which could dilute values considerably, even to 10%.

A finer sieve would be better if metal contamination could be avoided when forcing the sample through. However, the present procedure was adequate to show clear anomalies of zinc and especially cadmium.

Aliquots of 5g were sent in paper envelopes to the lab which needed 0.5g for the aqua regia extraction and Ultratrace-1 ICP/MS analyses for \$20.00. Repeat analyses for only gold for \$17.00 by the similar method 1A8 but of a 30g aliquot are pending, however, the expected greater precision may not be necessary for real gold anomalies. Nevertheless it

may show whether gold is distributed evenly and fine enough in soils to use 0.5g aliquots. The aqua regia method 1E1 for \$11.00 is too crude for the important cadmium and silver.

Varieties of soil at one location should be sampled separately. Some promising samples should be collected in duplicate, and new anomalies should be re-sampled in more detail later. A suitable standard, and a duplicate of a promising <0.3mm fraction, should also be introduced at times.

Quality Control

To verify reliability of analyses one test pulp was used as sample 474 and 496, and ZnAgPbCu agreed, but understandably for rock pulp the gold was quite erratic at this 0.5g aliquot. 9 analyses were duplicated, 414, 438 (which is anomalous), 448, 449, 450, 463, 465, 466, 495, and all values except gold were close.

To avoid contamination, the auger was first cleaned with the present sample, or with wet snow in April. First sieve-fulls were discarded, which also prevented the bias of sticking dust which was removed after each sample. The samples must be dry enough so as to avoid caking when crushing and rolling, for proper homogenization. Metal rings must not be worn during any process, and tools with paint, corrosion, or zinc plating must not be used. Abrasion from plastic tools may contaminate with cadmium. The glass bottle should be colourless.

Samples 401 to 467 were taken before drilling, but contamination from drilling is most unlikely except near set-ups and would probably also show as LiMo-anomalies from the core-barrel grease used after CP-06-1.

To check for sample mix-up, fizz with 10% HCl was noted as F1 to F5 for weak to strong, which compares to the 1% to 5% Ca of the analyses. Four samples contained minor magnetite (1% in 432 and 446, 3% in 457, 5% in 460), which however is not dissolved by aqua regia.

Conclusions and Recommendations

The present soil orientation study confirms that conventional sampling of the enriched B horizon followed by aqua regia leach and low detection limits will locate bedrock mineralization of sphalerite, in this case also high-lighted by extreme cadmium, and confirmed by lead associated with the quartz-sphalerite veins. Gold alone should also be detectable if rich enough. Method ICP/MS Ultratrace 1, aqua regia extraction, for \$20.00, is considered suitable and reliable. Sampling nodes at <50m should not miss an economic deposit.

As geophysics have been tried and failed, soil sampling may be the only effective exploration method. Neither sphalerite, nor the pyrite cube veins with gold, are conductors. The ubiquitous laminated ilmenite-hematite makes strong IP anomalies that would mask others. Magnetism of the gabbros and ilmenite varies greatly.

The present soil sampling should be extended over the 4-corners grid south of Highway 576 near 50m picket intervals, with subsequent close sampling around new anomalies. This may also show how suitable the method may be for gold alone before it is continued north of Highway 576.

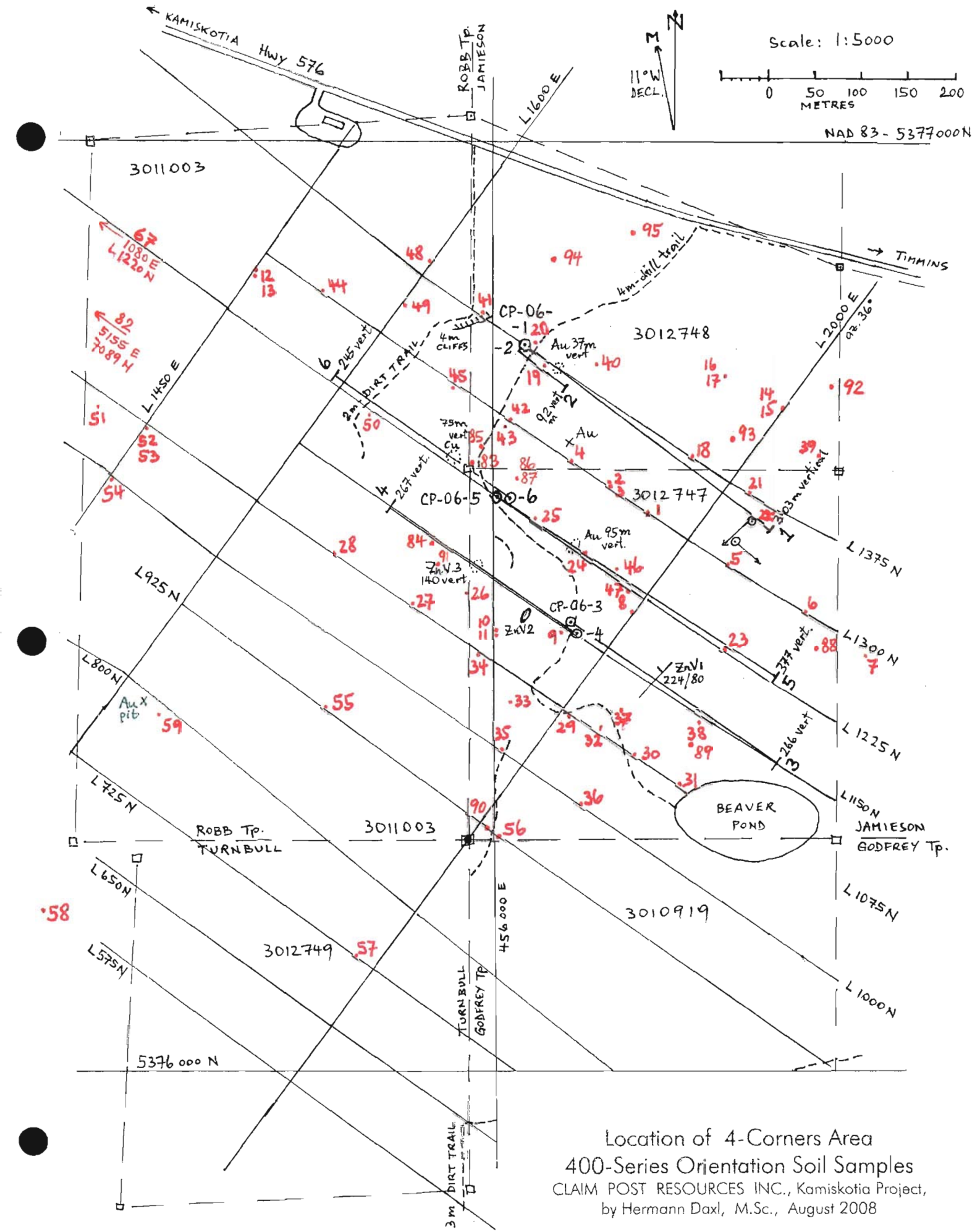
A larger such soil survey should be done on 50m GPS nodes without cutting a grid, including the copper-zinc trend between Jamieson and Jameland Mines. Orientation sampling is first necessary in the swamps, which cover much of that area.

Respectfully submitted,

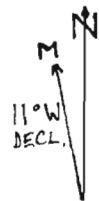
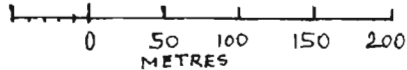


25 August 2008

Hermann Daxl, M.Sc.Minex



Scale: 1:5000



NAD 83 - 5377000 N

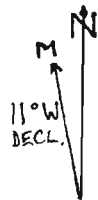
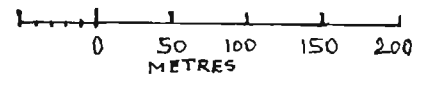
Location of 4-Corners Area
 400-Series Orientation Soil Samples
 CLAIM POST RESOURCES INC., Kamiskotia Project,
 by Hermann Daxl, M.Sc., August 2008

KAMISKOTIA Hwy 576

ROBB TP. JAMIESON

L1600 E

Scale: 1:5000



NAD 83 - 5377000N

3011003

L 1450 E

6 245 vert

2m DIRT TRAIL

CP-06-1

Au 37 vert

3012748

L 2000 E

TIMMINS

x Au

75 vert Cu

CP-06-5

3012747

L1000N

L925N

4 267 vert

Au 95 vert.

303m vertical

L1375N

ZnV3 140 vert.

CP-06-3

0.68

L1300N

0.43

ZnV2

2.50

ZnV1 224/80

0.24

L1225N

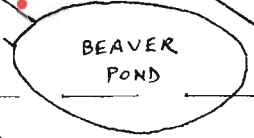
L800N

L725N

ROBB TP. TURNBULL

3011003

456 000 E



L1150N JAMIESON GODFREY TP.

L650N

L575N

3012749

5376 000 N

3m DIRT TRAIL

CADMIUM ppm

- 7.76 > 3.00
- 2.50 0.51 - 3.00
- 0.43 0.21 - 0.50
- 0.10 - 0.20
- < 0.10

4-Corners Area

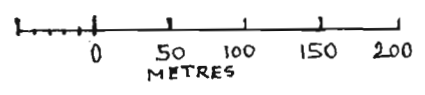
400-Series Orientation Soil Samples
 CLAIM POST RESOURCES INC., Kamiskotia Project,
 by Hermann Daxl, M.Sc., August 2008

KAMISKOTIA Hwy 576

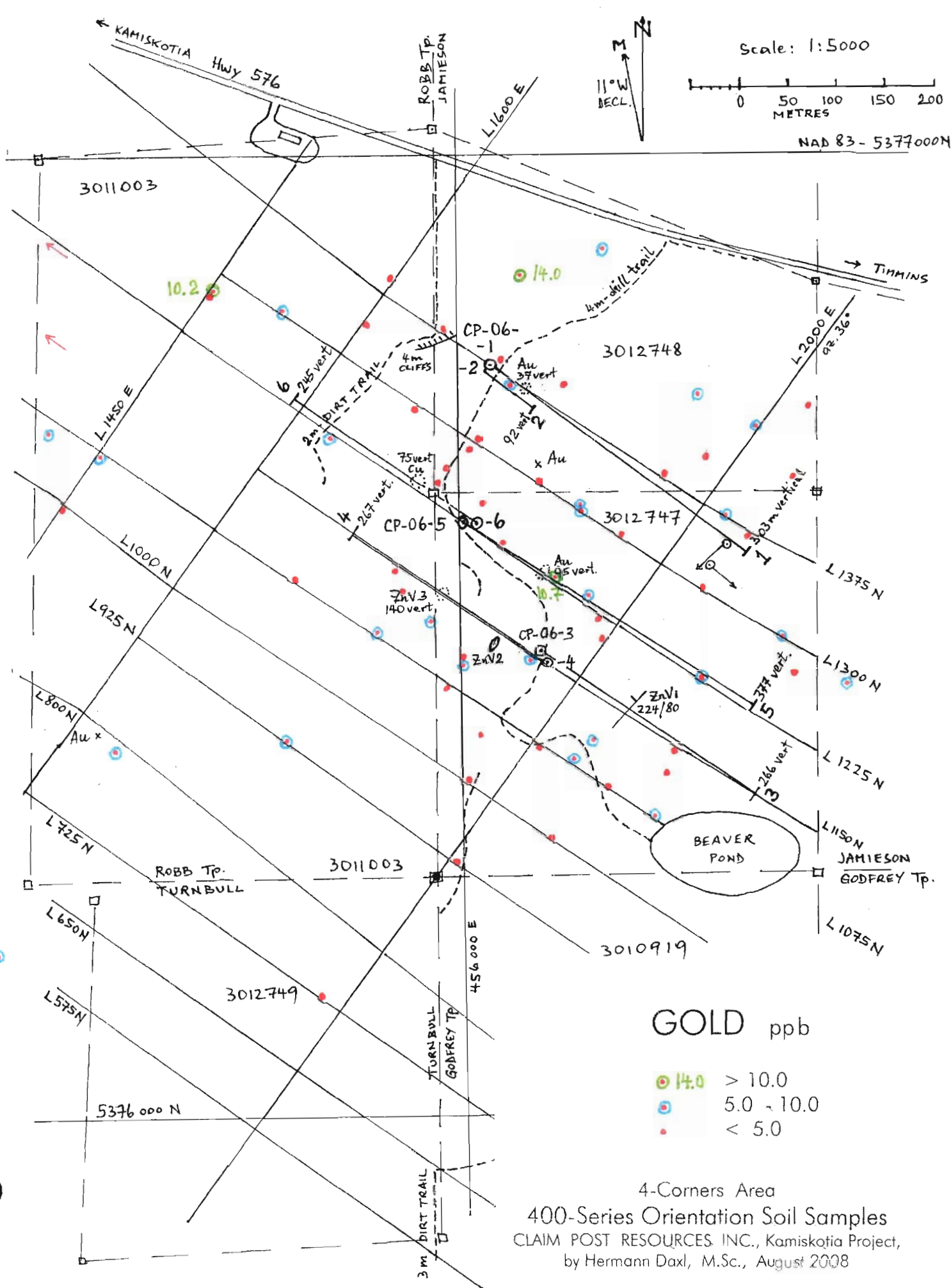
ROBB TP. JAMIESON



Scale: 1:5000



NAD 83 - 5377000N



GOLD ppb

- 14.0 > 10.0
- 5.0 - 10.0
- < 5.0

4-Corners Area
 400-Series Orientation Soil Samples
 CLAIM POST RESOURCES INC., Kamiskotia Project,
 by Hermann Daxl, M.Sc., August 2008

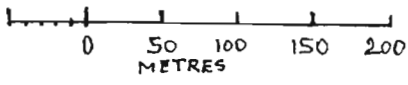
KAMISKOTIA Hwy 576

ROBB TP. JAMIESON

L1600 E



Scale: 1:5000



NAD 83 - 5377000N

3011003

L1450 E

L1000 N

L925 N

L800 N

L725 N

L650 N

L575 N

5376 000 N

ROBB TP. TURNBULL

3011003

456 000 E

TURNBULL GODFREY TP.

3m DIRT TRAIL

CP-06-1

CP-06-2

CP-06-5

CP-06-6

CP-06-3

CP-06-4

3012748

3012747

3010919

3012749

BEAVER POND

JAMIESON GODFREY TP.

L1375 N

L1300 N

L1225 N

L1150 N

L1075 N

TIMMINS

L2000 E

92.36°

303m vertical

379 vert.

246 vert.

6 245 vert.

2m DIRT TRAIL

4 267 vert.

75 vert. Cis

ZnV3 140 vert.

1130

ZnV2

ZnV1 224/80

108

154

129

106

92 vert.

x Au

Au 37 vert.

Au 95 vert.

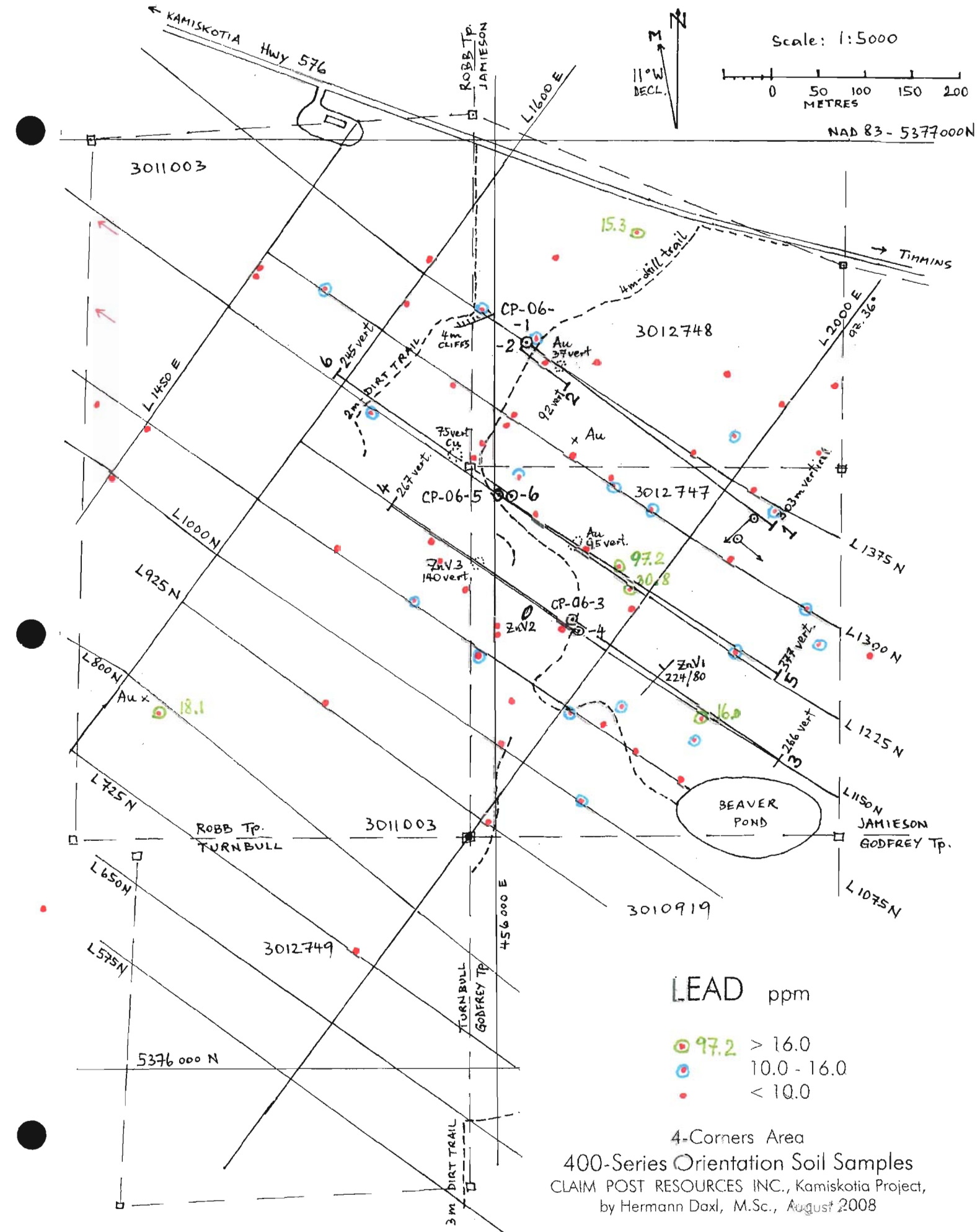
4m skill trail

4m CLIFFS

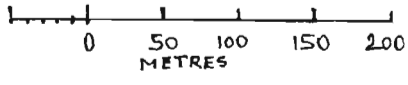
SILVER ppb.

- 154 > 100
- 70 - 100
- < 70

4-Corners Area
 400-Series Orientation Soil Samples
 CLAIM POST RESOURCES INC., Kamiskotia Project,
 by Hermann Daxl, M.Sc., August 2008



Scale: 1:5000



NAD 83 - 5377000N

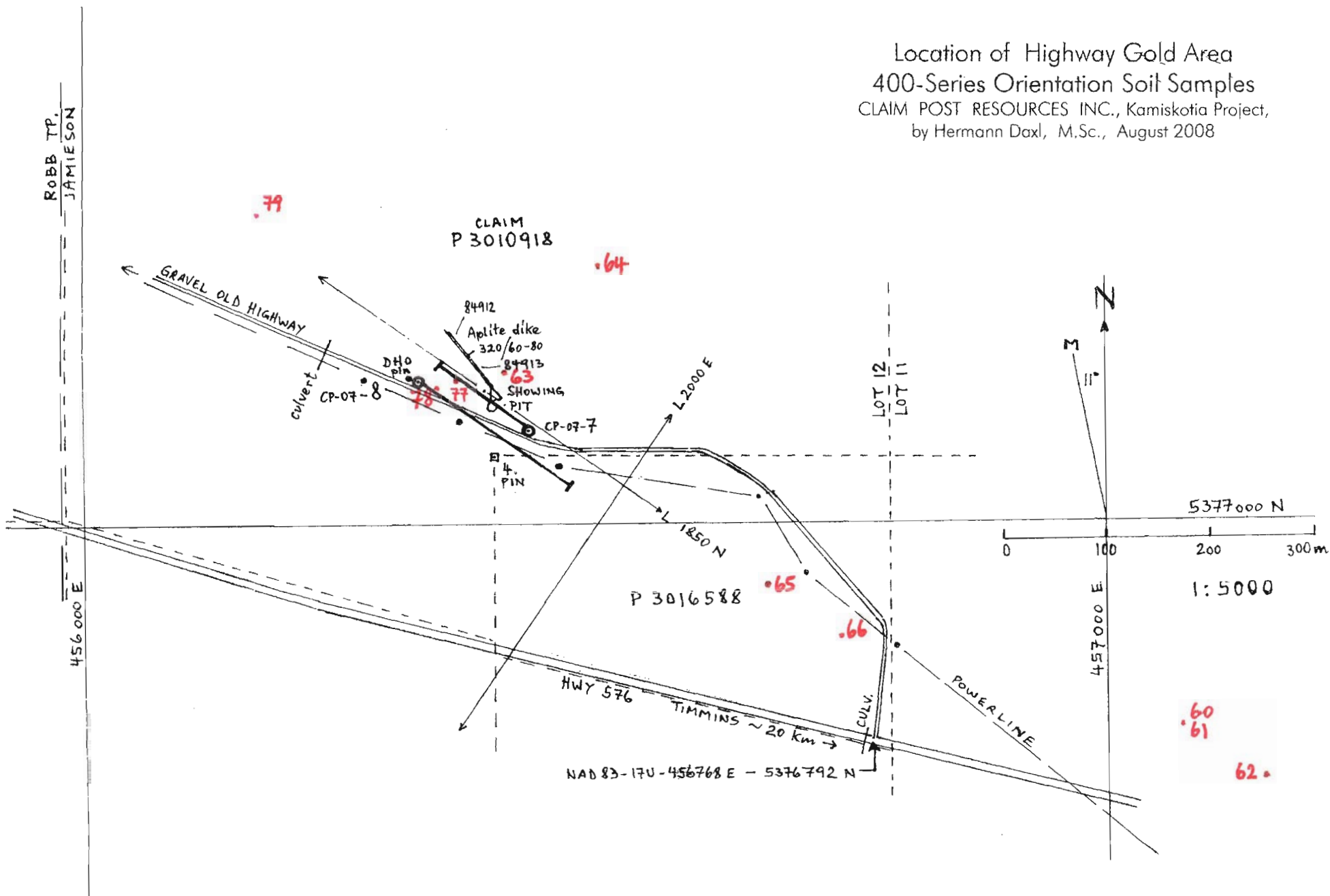
LEAD ppm

- 97.2 > 16.0
- 10.0 - 16.0
- < 10.0

4-Corners Area

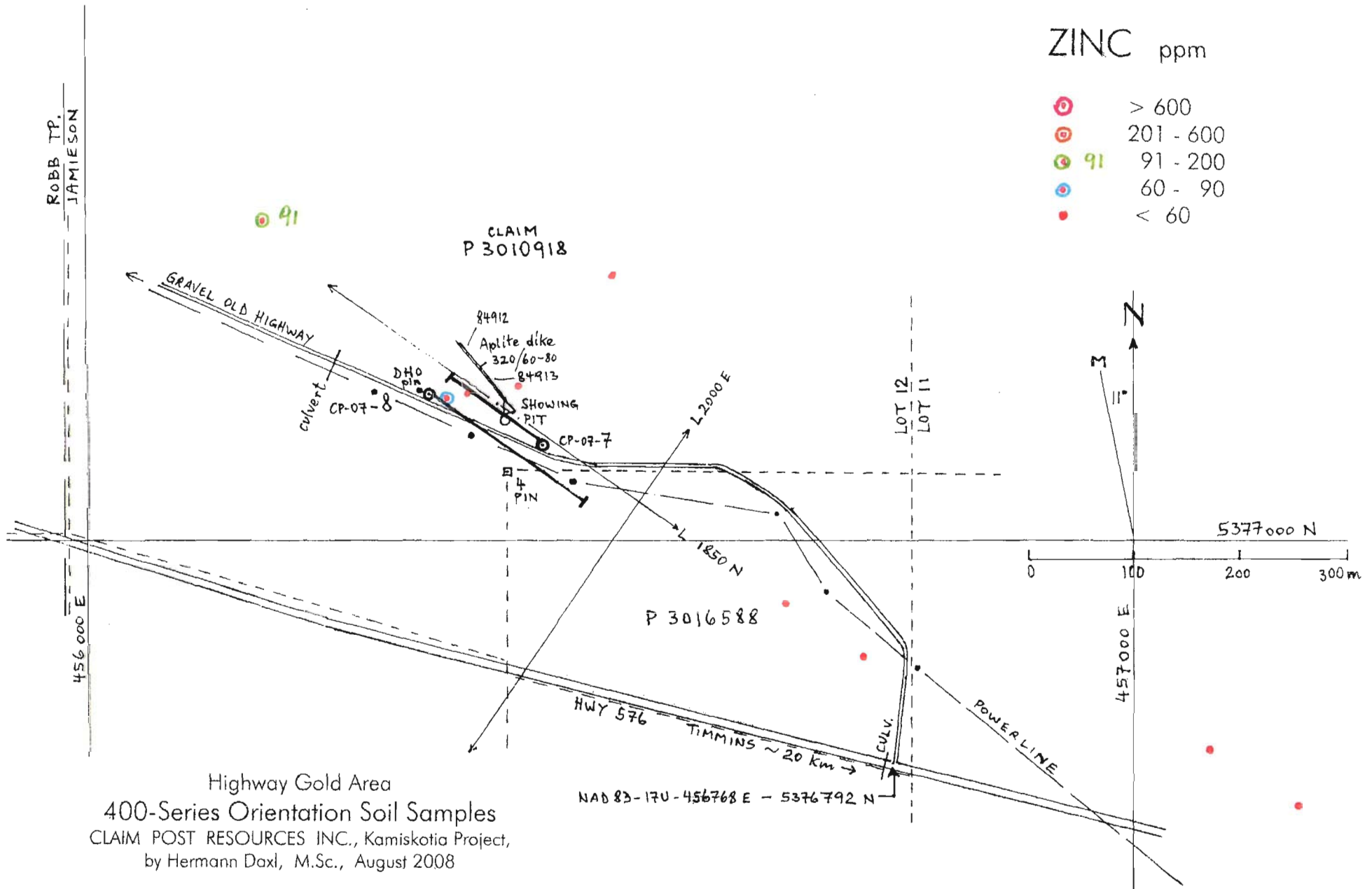
400-Series Orientation Soil Samples
 CLAIM POST RESOURCES INC., Kamiskotia Project,
 by Hermann Daxl, M.Sc., August 2008

Location of Highway Gold Area
 400-Series Orientation Soil Samples
 CLAIM POST RESOURCES INC., Kamiskotia Project,
 by Hermann Daxl, M.Sc., August 2008



ZINC ppm

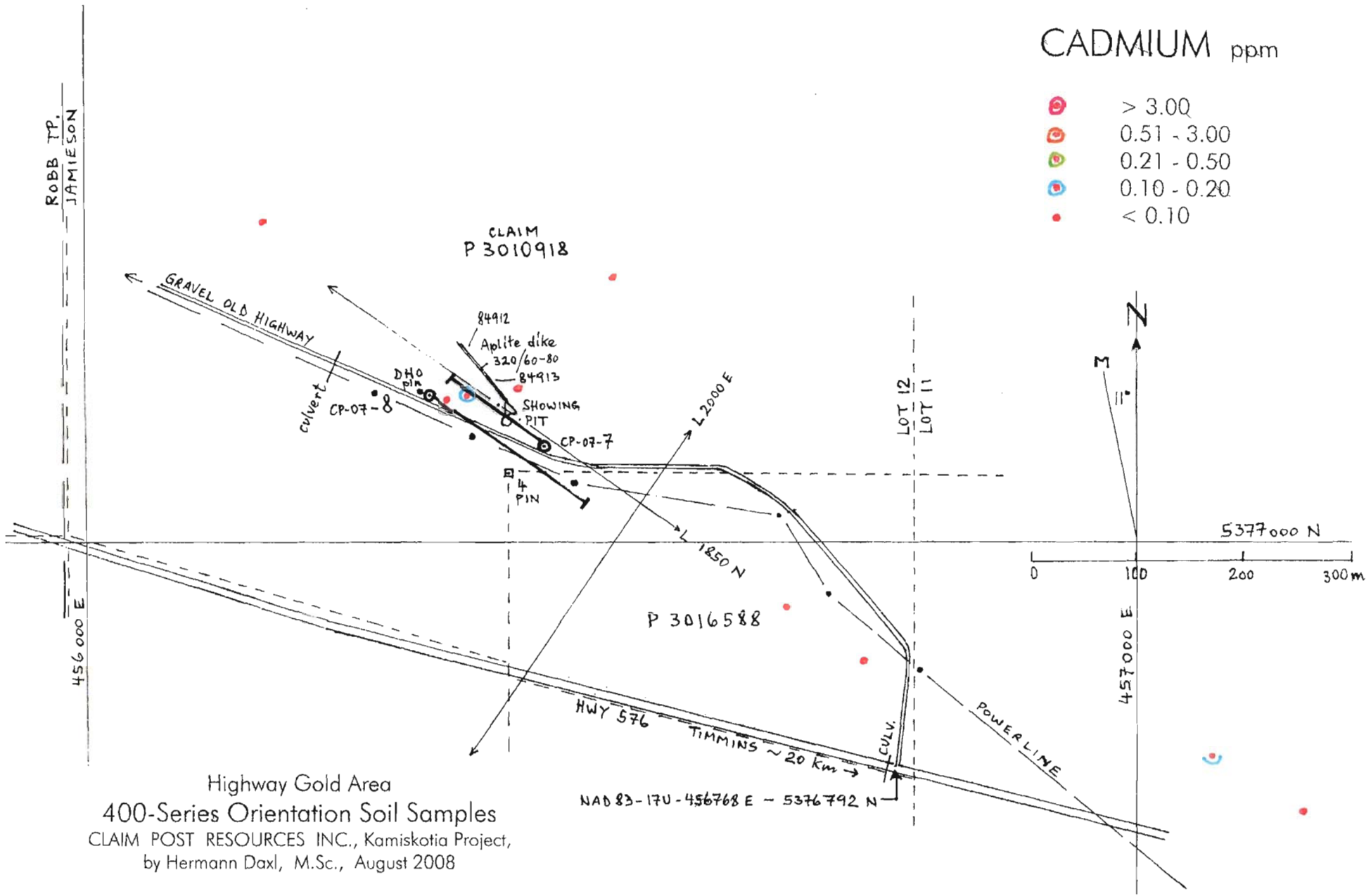
- > 600
- 201 - 600
- 91 91 - 200
- 60 - 90
- < 60



Highway Gold Area
 400-Series Orientation Soil Samples
 CLAIM POST RESOURCES INC., Kamiskotia Project,
 by Hermann Daxl, M.Sc., August 2008

CADMIUM ppm

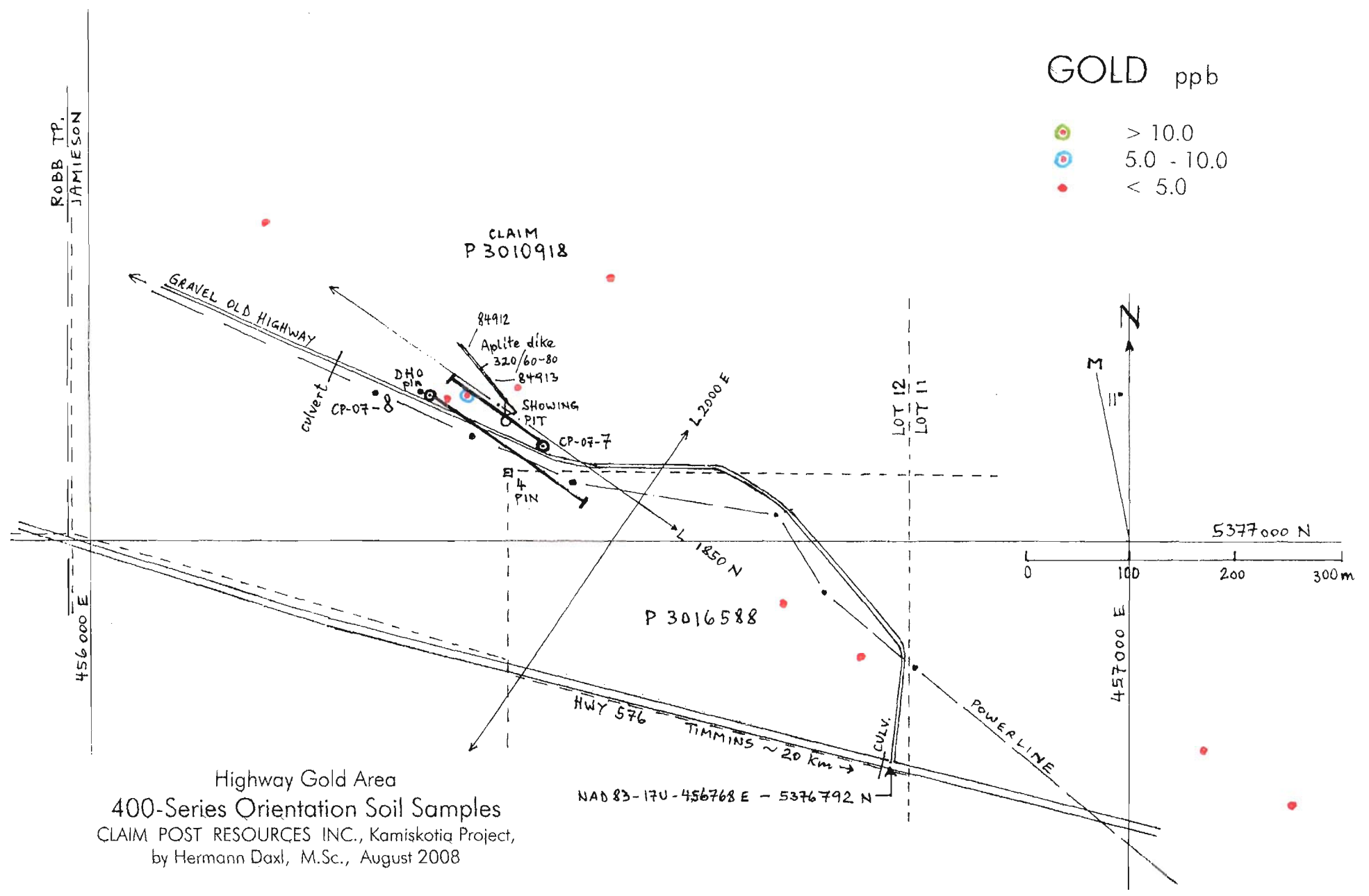
- > 3.00
- 0.51 - 3.00
- 0.21 - 0.50
- 0.10 - 0.20
- < 0.10



Highway Gold Area
 400-Series Orientation Soil Samples
 CLAIM POST RESOURCES INC., Kamiskotia Project,
 by Hermann Daxl, M.Sc., August 2008




GOLD ppb

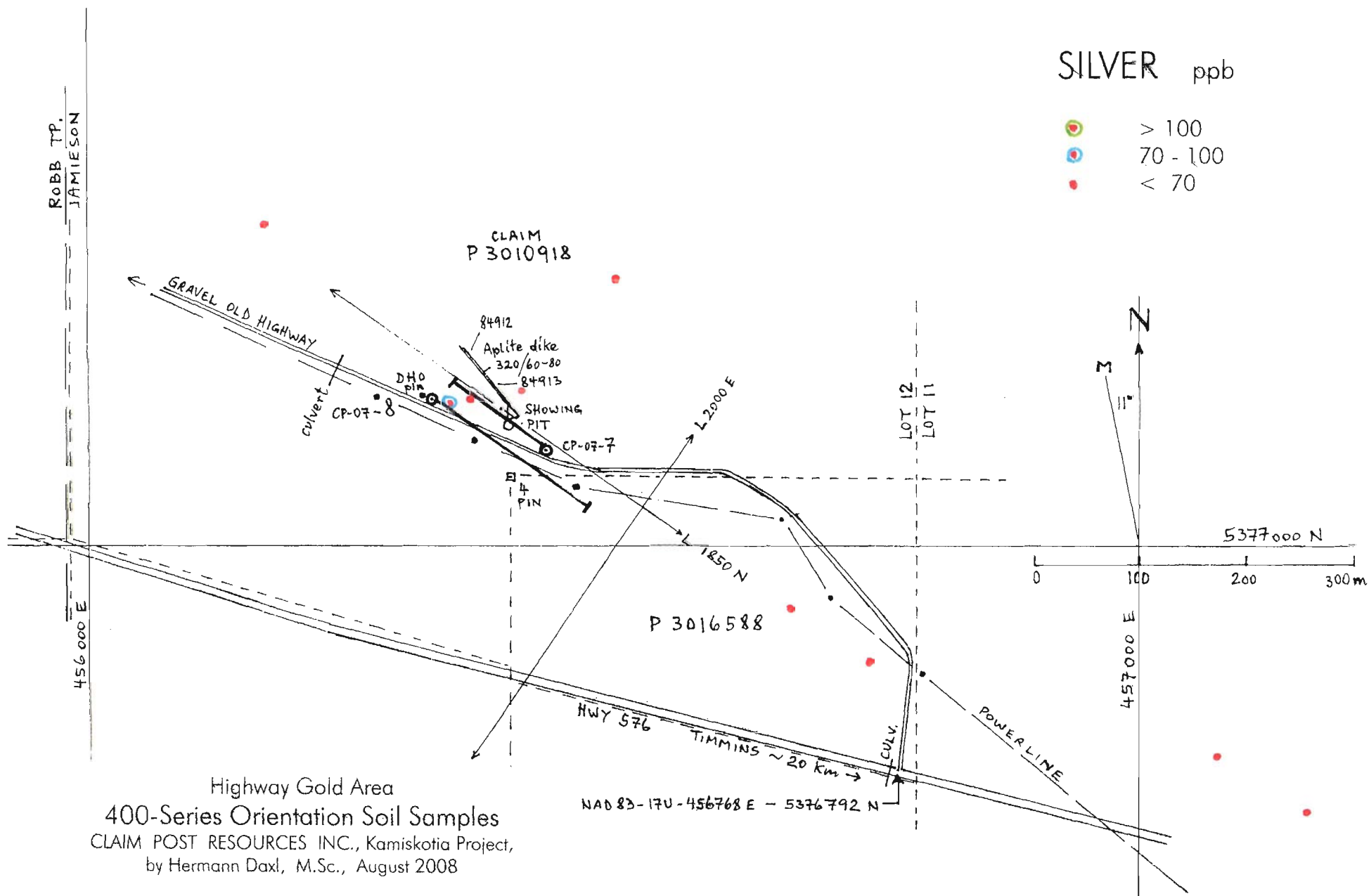
- > 10.0
- 5.0 - 10.0
- < 5.0



Highway Gold Area
400-Series Orientation Soil Samples
CLAIM POST RESOURCES INC., Kamiskotia Project,
by Hermann Daxl, M.Sc., August 2008

SILVER ppb

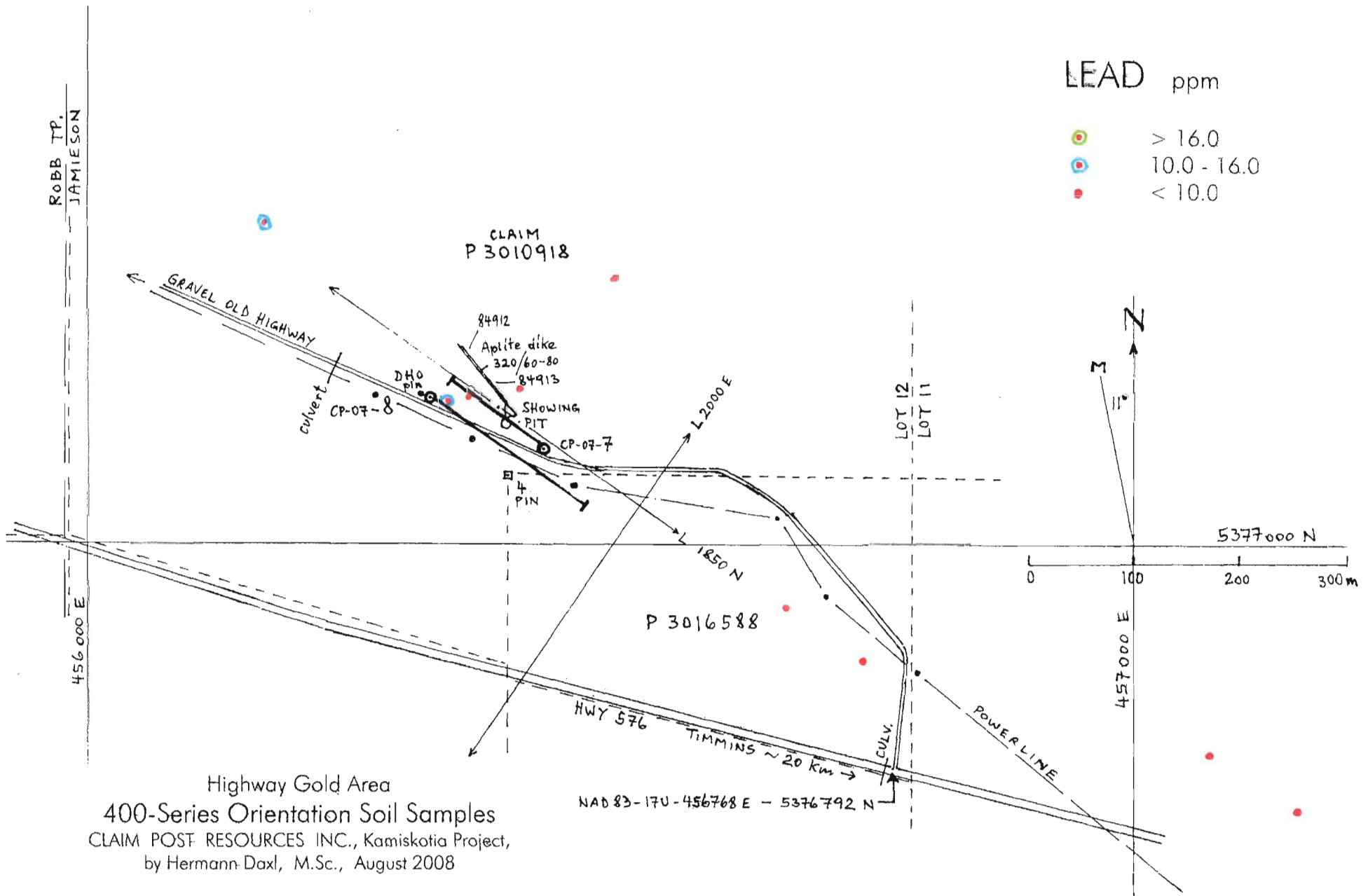
-  > 100
-  70 - 100
-  < 70



Highway Gold Area
400-Series Orientation Soil Samples
CLAIM POST RESOURCES INC., Kamiskotia Project,
by Hermann Daxl, M.Sc., August 2008

LEAD ppm

- > 16.0
- 10.0 - 16.0
- < 10.0



Highway Gold Area
400-Series Orientation Soil Samples
CLAIM POST RESOURCES INC., Kamiskotia Project,
by Hermann Daxl, M.Sc., August 2008

Quality Analysis ...



Innovative Technologies

Date Submitted: 09-Jun-08
Invoice No.: A08-3049
Invoice Date: 24-Jun-08
Your Reference: CP-07-SOIL

CLAIM POST RESOURCES INC
39-630 RIVERPARK ROAD
TIMMINS ON P4P 1B4
Canada

ATTN: Herman Daxl

CERTIFICATE OF ANALYSIS

96 Soil samples were submitted for analysis.

< 0.3 mm sieved fraction

The following analytical package was requested:

Code UT-1-0.5g Aqua Regia ICP/MS

REPORT **A08-3049**

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

Notes:

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

CERTIFIED BY :

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

Eric Hoffman, Ph.D.
President/General Manager

ACTIVATION LABORATORIES LTD.

1336 Sandhill Drive, Ancaster, Ontario Canada L9G 4V5 TELEPHONE +1.905.648.9611 or
+1.888.228.5227 FAX +1.905.648.9613
E-MAIL ancaster@actlabsint.com ACTLABS GROUP WEBSITE <http://www.actlabsint.com>

Final Report
Activation Laboratories

Report Date: 6/24/2008

Analyte Symbol	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr
Unit Symbol	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
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
401	49.9	1.2	25	0.047	1.19	2.99	0.52	0.06	0.74	9.3	80	78.7
402	7.9	0.2	12	0.029	0.19	0.68	0.03	< 0.02	0.19	1.4	19	16.2
403	46.4	1.3	25	0.050	1.46	2.98	0.52	0.06	3.91	9.0	82	77.8
404	5.3	0.2	10	0.032	0.89	0.47	0.04	< 0.02	2.23	2.2	20	18.1
405	14.6	0.3	16	0.037	1.51	1.03	0.14	< 0.02	4.31	3.9	39	34.0
406	35.8	1.0	22	0.042	0.94	2.67	0.43	0.03	0.65	7.2	70	64.8
407	30.9	0.8	24	0.044	1.50	1.99	0.38	0.02	3.75	6.2	61	54.5
408	6.4	0.2	8	0.031	0.43	0.66	0.04	< 0.02	1.23	2.7	26	21.5
409	27.8	0.9	18	0.043	0.82	2.51	0.28	0.02	0.72	7.7	63	63.8
410	4.8	0.2	10	0.034	1.89	0.45	0.03	< 0.02	5.49	2.4	22	16.8
411	6.0	0.1	8	0.030	0.27	0.52	0.03	< 0.02	0.47	2.0	23	17.9
412	23.9	0.5	11	0.033	0.39	1.47	0.18	< 0.02	0.45	3.7	39	36.0
413	18.3	0.5	11	0.035	0.39	1.28	0.18	< 0.02	0.45	3.8	40	36.6
414	54.6	1.0	15	0.037	0.67	2.91	0.28	< 0.02	0.70	6.1	62	56.8
415	20.3	0.5	9	0.036	0.58	1.29	0.20	< 0.02	0.65	4.1	40	36.7
416	20.5	0.5	10	0.037	0.52	1.53	0.21	< 0.02	0.46	4.5	45	44.9
417	27.9	0.7	15	0.038	0.68	2.02	0.32	< 0.02	0.49	5.6	50	49.3
418	7.9	0.2	5	0.026	0.21	0.61	0.03	< 0.02	0.24	2.0	25	20.5
419	5.0	0.2	6	0.031	0.81	0.47	0.05	< 0.02	2.94	2.0	20	16.8
420	41.1	1.0	21	0.046	1.64	2.82	0.50	0.03	4.55	8.3	78	70.3
421	11.2	0.5	5	0.025	0.23	2.42	0.03	< 0.02	0.19	3.0	54	38.4
422	34.0	0.9	13	0.054	1.30	2.86	0.30	< 0.02	2.05	7.0	72	69.5
423	44.5	1.2	24	0.052	1.13	3.21	0.60	0.05	1.37	8.6	83	73.9
424	10.7	0.5	6	0.026	0.18	2.02	0.02	< 0.02	0.21	1.8	39	26.7
425	9.2	0.3	8	0.035	1.41	0.89	0.09	< 0.02	3.59	3.4	34	28.7
426	7.2	0.2	4	0.030	0.19	0.81	0.02	< 0.02	0.29	1.9	22	17.9
427	50.7	1.3	23	0.055	1.40	3.78	0.59	0.06	1.54	10.6	95	85.4
428	19.0	0.5	13	0.035	1.48	1.39	0.21	< 0.02	3.36	4.5	46	38.7

Report: A08-3049

Report Date: 6/24/2008

Final Report
Activation Laboratories

Analyte Symbol	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr
Unit Symbol	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
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
429	42.4	1.2	20	0.046	1.10	3.18	0.51	0.05	0.77	9.8	82	75.7
430	9.9	0.2	3	0.028	0.20	1.01	0.06	< 0.02	0.21	1.9	26	25.8
431	19.0	0.6	9	0.037	0.40	1.57	0.21	< 0.02	0.45	4.7	42	37.8
432	13.0	0.4	5	0.031	0.29	1.61	0.08	< 0.02	0.27	3.5	45	28.4
433	7.3	0.2	3	0.036	0.25	0.68	0.04	< 0.02	0.38	2.7	27	22.8
434	37.9	1.0	15	0.041	0.98	2.89	0.38	0.02	0.72	7.3	71	62.7
435	25.9	0.7	11	0.038	0.61	1.96	0.23	< 0.02	0.60	5.6	57	44.5
436	52.0	1.4	26	0.051	1.35	4.05	0.63	0.06	0.89	9.9	93	83.9
437	11.8	0.3	6	0.030	0.26	1.43	0.06	< 0.02	0.25	2.8	43	27.3
438	54.3	1.5	23	0.054	1.40	4.30	0.61	0.06	0.96	10.6	101	88.0
439	24.3	0.7	14	0.038	0.64	2.21	0.26	< 0.02	0.54	6.0	53	48.9
440	12.5	0.2	5	0.029	0.25	1.05	0.04	< 0.02	0.25	2.4	48	30.9
441	36.0	1.0	16	0.048	0.99	2.94	0.33	< 0.02	0.73	7.8	75	61.0
442	5.6	0.2	3	0.035	0.22	0.61	0.02	< 0.02	0.42	2.0	22	18.4
443	7.0	0.2	3	0.031	0.15	1.24	0.02	< 0.02	0.25	2.5	24	21.7
444	43.1	1.1	18	0.05	1.81	3.14	0.52	0.03	5.10	8.9	82	73.3
445	13.8	0.3	3	0.030	0.26	1.99	0.03	< 0.02	0.19	3.5	75	38.7
446	8.2	0.2	3	0.030	0.22	1.34	0.03	< 0.02	0.25	2.6	26	24.7
447	10.1	0.4	4	0.035	0.32	1.03	0.06	< 0.02	0.43	3.8	34	31.7
448	14.3	0.4	9	0.033	1.83	1.06	0.17	< 0.02	3.24	3.6	38	30.2
449	7.6	0.3	4	0.036	0.47	0.90	0.07	< 0.02	0.92	3.8	33	27.5
450	42.8	0.9	16	0.045	1.04	2.90	0.41	0.02	0.94	7.6	74	65.8
451	12.5	0.2	3	0.031	0.24	1.09	0.03	< 0.02	0.22	2.2	38	26.1
452	9.8	0.2	4	0.033	0.25	0.85	0.07	< 0.02	0.33	2.1	28	20.2
453	28.4	0.8	12	0.042	0.74	2.38	0.28	< 0.02	0.78	6.1	52	52.5
454	17.4	0.5	9	0.042	0.73	1.54	0.18	< 0.02	1.24	4.3	42	37.7
455	19.8	0.5	10	0.045	1.32	1.56	0.25	< 0.02	2.41	4.4	49	39.9

Final Report
Activation Laboratories

Analyte Symbol	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr
Unit Symbol	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
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
456	11.7	0.3	5	0.035	0.28	1.17	0.09	< 0.02	0.27	2.9	33	26.2
457	11.2	0.3	4	0.033	0.23	1.46	0.04	< 0.02	0.25	2.3	34	24.7
458	9.3	0.3	3	0.029	0.16	1.65	0.02	< 0.02	0.20	2.1	28	24.5
459	59.6	1.5	23	0.056	1.47	4.47	0.64	0.07	0.92	11.1	98	92.7
460	0.9	0.1	3	0.032	0.03	0.25	0.01	< 0.02	0.07	0.6	19	8.5
461	5.0	0.2	3	0.028	0.14	1.20	0.04	< 0.02	0.13	1.9	93	23.2
462	9.4	0.3	4	0.046	0.99	0.98	0.07	< 0.02	2.02	3.5	33	28.6
463	10.4	0.3	3	0.035	0.20	1.45	0.02	< 0.02	0.22	2.3	29	27.1
464	8.6	0.2	3	0.030	0.18	0.96	0.03	< 0.02	0.21	1.7	23	24.2
465	21.2	0.5	12	0.045	2.04	1.49	0.24	< 0.02	3.34	4.5	49	37.4
466	23.3	0.6	13	0.044	1.80	1.70	0.24	< 0.02	3.96	4.8	52	40.8
467	32.7	0.7	14	0.058	1.66	2.54	0.36	< 0.02	4.31	7.5	69	63.9
468	46.6	1.3	19	0.047	1.19	3.66	0.50	0.02	0.95	8.3	89	70.4
469 = 466	21.0	0.5	12	0.045	1.68	1.60	0.22	< 0.02	3.67	4.7	51	37.3
470 = 450	47.6	1.0	20	0.057	1.15	3.53	0.44	0.04	0.93	8.8	82	74.0
471 = 449	9.7	0.3	5	0.048	0.61	1.06	0.07	< 0.02	1.05	4.3	36	30.3
472 = 448	16.9	0.4	13	0.046	1.94	1.24	0.19	< 0.02	3.69	4.0	41	35.7
473 = 465	21.4	0.6	13	0.045	2.21	1.55	0.23	< 0.02	3.50	5.0	50	40.9
474 TEST PULP	12.9	0.4	5	0.028	1.42	2.33	0.32	0.08	4.10	8.2	55	37.4
475 = 414	60.7	1.1	13	0.038	0.78	3.42	0.30	0.05	0.75	6.6	62	59.9
476 = 438	55.9	1.5	23	0.055	1.53	4.48	0.64	0.09	0.96	11.1	99	88.3
477	15.4	0.4	4	0.026	0.25	1.41	0.04	< 0.02	0.23	2.3	52	41.8
478	34.8	0.9	18	0.052	1.81	2.74	0.43	< 0.02	4.69	7.4	72	60.9
479	54.5	1.4	24	0.055	1.41	4.27	0.60	0.06	0.91	10.2	95	84.2
480 = 463	9.8	0.3	3	0.033	0.20	1.52	0.02	< 0.02	0.23	2.2	29	24.1
481 = 495	57.6	1.3	23	0.055	1.39	4.09	0.62	0.03	0.86	9.8	94	83.4
482	4.5	0.2	4	0.034	0.84	0.48	0.03	< 0.02	1.95	2.1	21	16.2

Report: A08-3049

Report Date: 6/24/2008

Final Report
Activation Laboratories

Analyte Symbol	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr
Unit Symbol	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
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
483	26.1	0.6	6	0.044	0.69	2.19	0.15	< 0.02	0.62	5.9	59	48.8
484	6.6	0.2	5	0.039	1.29	0.66	0.05	< 0.02	2.35	2.9	26	22.6
485	15.8	0.4	5	0.033	0.25	1.65	0.07	< 0.02	0.25	2.8	45	31.8
486	37.0	1.1	15	0.051	1.12	3.18	0.43	< 0.02	0.84	8.0	69	69.2
487	5.4	0.2	7	0.042	2.26	0.56	0.03	< 0.02	6.33	2.6	26	20.5
488	36.4	0.9	17	0.042	0.96	3.10	0.41	< 0.02	0.83	7.0	76	63.7
489	51.6	1.5	24	0.054	1.37	4.34	0.63	0.05	0.79	9.9	88	83.9
490	12.1	0.3	5	0.027	0.23	1.19	0.05	< 0.02	0.26	1.9	48	31.5
491	5.2	0.2	5	0.034	1.50	0.50	0.03	< 0.02	4.72	2.1	22	17.3
492	20.4	0.6	9	0.040	0.82	1.63	0.22	< 0.02	1.10	4.4	44	37.9
493	49.4	1.4	22	0.053	1.27	3.95	0.58	0.05	0.86	9.3	88	78.0
494	31.5	0.6	11	0.026	0.65	1.83	0.21	0.14	0.72	4.9	37	42.5
495	57.0	1.5	21	0.054	1.42	4.05	0.65	< 0.02	0.88	10.0	88	83.9
496 TEST PULP = 474	13.1	0.4	7	0.026	1.55	2.52	0.34	0.09	4.30	8.6	54	31.8

Report Date: 6/24/2008

Analyte Symbol		Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr	
Unit Symbol		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Detection Limit		1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.5	
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	
401		400	3.94	16.5	50.3	25.50	88.7	10.00	0.1	3.2	0.3	57.3	35.2	
402	S	58	0.56	3.6	11.4	3.45	13.5	2.48	0.1	0.8	0.1	6.7	12.5	
403		F3	560	3.89	17.3	49.1	29.40	83.8	10.10	0.1	3.7	0.5	52.0	55.8
404	L		103	0.57	3.3	10.6	7.93	14.2	1.87	0.1	0.5	0.3	5.5	27.9
405	L	F5	172	0.83	7.1	20.5	10.40	33.8	3.81	0.1	1.3	0.1	18.8	48.6
406			516	3.32	15.0	40.5	18.70	74.2	8.83	0.1	2.8	0.4	51.7	29.5
407		F5	488	2.65	12.7	35.9	21.00	59.4	6.86	0.1	3.0	0.3	39.0	49.3
408	S	L	101	0.65	4.1	13.5	7.15	17.4	2.08	0.1	0.8	0.2	5.7	25.7
409			307	2.74	11.5	39.5	26.70	368.0	7.27	0.1	2.0	0.4	31.8	35.6
410	L	F5	109	0.55	3.3	11.1	6.33	14.8	1.60	0.1	0.6	0.1	4.4	49.7
411	S		98	0.57	3.5	10.6	4.76	25.0	1.89	0.1	0.6	0.2	5.7	18.9
412			132	0.83	8.6	23.9	7.30	39.1	3.89	0.1	1.4	0.3	25.7	22.7
413			140	0.86	8.1	21.8	7.62	40.0	4.18	0.1	1.5	0.4	30.3	22.9
414		D	669	3.09	13.7	37.3	14.10	82.1	6.98	0.1	2.1	0.7	46.7	33.2
415			157	0.83	7.4	21.6	9.98	37.6	4.50	0.1	1.7	0.2	26.5	25.2
416			170	1.51	8.1	25.3	11.50	41.0	5.30	0.1	2.3	0.3	24.4	23.1
417			154	2.26	8.8	29.8	17.40	47.0	6.44	0.1	1.8	0.4	34.2	23.8
418	S		73	0.63	3.7	12.0	9.80	14.2	2.38	< 0.1	0.7	0.1	5.5	12.3
419	L	F5	96	0.52	2.8	9.2	7.29	14.6	1.67	0.1	0.6	0.1	5.8	34.2
420		F5	713	3.71	17.4	50.8	27.80	81.7	9.38	0.1	4.0	0.4	54.7	59.5
421	S	D	93	2.58	6.0	18.0	10.00	44.9	5.84	0.1	3.0	0.7	6.6	11.2
422			640	3.01	16.1	45.5	18.90	67.9	7.73	0.1	2.0	0.4	36.1	44.8
423			514	3.61	15.8	49.5	31.80	104.0	9.74	0.1	4.3	0.4	52.6	36.9
424	S	D	54	1.91	4.6	13.3	4.58	17.8	5.86	< 0.1	1.6	0.4	4.9	13.4
425	L	F4	139	0.71	4.7	16.0	7.87	24.7	2.90	0.1	1.2	0.3	11.5	40.8
426	S		72	0.56	3.4	10.9	4.86	17.5	2.83	< 0.1	0.5	0.2	4.3	15.4
427			739	4.29	18.3	56.8	32.10	96.0	12.10	0.1	4.4	0.6	61.0	41.2
428		F3	137	1.83	8.1	23.6	12.50	41.3	4.94	0.1	1.9	0.3	25.7	37.3

Report: A08-3049

Report Date: 6/24/2008

Final Report
Activation Laboratories

Analyte Symbol		Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr	
Unit Symbol		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Detection Limit		1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.5	
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	
429		530	3.57	15.6	49.4	29.60	78.9	10.60	0.1	3.7	0.5	50.8	32.0	
430	S	68	0.66	4.9	15.7	4.03	19.6	3.74	< 0.1	1.0	0.2	7.7	15.0	
431		152	1.10	6.9	22.3	12.40	37.6	4.98	0.1	2.0	0.2	24.1	22.2	
432	S	1% mt	96	0.81	6.8	18.6	32.9	5.26	< 0.1	1.2	0.3	10.9	16.3	
433	S		120	0.61	4.2	12.5	5.46	2.43	0.1	0.9	0.2	6.5	21.4	
434		D	472	3.14	14.5	40.7	20.60	147.0	8.88	0.1	2.7	0.3	46.6	30.7
435			142	2.25	9.3	24.5	11.80	54.4	6.10	0.1	2.4	0.5	26.0	29.0
436			623	4.22	19.6	55.0	28.10	95.5	11.60	0.1	3.9	0.6	61.9	37.3
437	S		85	0.77	5.0	17.1	9.06	42.9	5.11	< 0.1	1.0	0.3	9.4	15.8
438			833	4.35	20.4	61.4	39.60	1120.0	11.70	0.2	4.8	0.6	70.0	38.0
439			156	2.17	7.8	29.7	15.20	46.9	6.34	0.1	1.8	0.2	31.5	24.4
440	S	D	78	0.75	5.6	21.8	9.87	22.5	5.16	< 0.1	1.3	0.2	5.4	13.0
441			610	3.13	15.2	40.3	20.00	73.2	8.87	0.1	2.4	0.4	35.8	32.6
442	S	L	83	0.54	3.7	12.5	6.88	18.0	1.66	0.1	0.7	0.1	4.4	16.8
443	S		60	0.63	4.2	12.1	7.84	18.5	2.26	0.1	0.7	0.3	3.6	13.7
444		F4	789	3.68	17.6	48.7	27.00	83.4	9.87	0.1	3.9	0.5	56.0	69.6
445	S		78	2.20	9.0	26.9	19.90	29.9	7.34	0.1	1.4	0.5	6.5	12.0
446		1% mt	74	0.62	3.6	13.9	9.25	657.0	3.14	0.1	0.5	0.2	5.7	14.7
447			123	0.68	6.1	22.6	10.20	291.0	3.42	0.1	0.8	0.2	8.0	20.5
448		F3	124	0.71	6.3	19.2	11.10	31.7	3.65	0.1	0.5	0.3	19.3	36.4
449		L	139	0.65	4.5	15.1	7.75	20.7	2.74	0.1	0.9	0.2	7.7	30.2
450			483	3.170	14.9	44.6	22.10	75.7	8.43	0.1	3.1	0.4	51.4	34.4
451	S		76	0.60	4.1	13.9	6.86	22.7	4.94	0.1	1.0	0.4	5.6	13.6
452	S	L	132	0.55	4.2	11.0	4.00	17.5	2.92	0.1	0.7	0.1	9.0	15.9
453			158	2.15	9.0	31.6	17.90	47.5	6.57	0.1	1.6	0.4	31.0	24.8
454			144	0.71	6.1	20.9	16.10	33.0	4.15	0.1	1.2	0.3	18.4	23.6
455			127	0.73	8.8	25.8	17.20	46.3	4.90	0.1	1.6	0.2	26.5	32.3

Report Date: 6/24/2008

Analyte Symbol	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.5
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
456	117	0.63	4.8	14.3	5.12	22.7	3.58	0.1	0.9	0.2	12.3	17.1
457 S	78	0.67	5.3	17.1	7.43	23.1	3.89	0.1	0.9	0.4	8.0	14.7
458 S D	60	0.66	5.1	15.8	6.98	16.5	2.89	0.1	1.3	0.4	4.8	10.3
459	838	4.48	21.3	57.6	28.40	102.0	12.30	0.1	3.4	0.6	73.6	38.6
460 S L sorted 5% mt	38	0.33	0.4	1.0	0.59	5.1	2.28	< 0.1	0.2	0.1	2.7	7.5
461 S D sorted	76	2.67	1.9	5.2	4.08	28.7	16.00	0.1	1.5	0.2	8.9	10.4
462 L	125	0.63	4.8	15.4	10.40	25.2	2.99	0.1	1.0	0.3	9.1	27.6
463 S D	68	0.64	7.1	26.0	11.60	16.8	2.63	< 0.1	0.6	0.3	5.4	12.7
464 S	94	0.52	5.9	13.1	5.18	13.9	2.25	< 0.1	0.4	0.4	5.6	11.5
465 L	157	0.72	8.2	23.5	9.47	38.6	4.54	0.1	1.4	0.1	22.5	36.3
466 L F4	169	1.49	8.6	26.1	13.80	45.9	4.97	0.1	2.0	0.4	21.1	44.6
467 L F5	588	2.55	12.6	38.7	22.00	60.6	7.16	0.1	2.1	0.4	35.8	54.8
468	1300	3.54	20.0	44.8	21.30	96.8	9.90	0.1	3.5	0.7	60.0	42.8
469 = 466	162	1.38	8.2	24.5	12.30	40.9	4.51	0.1	1.9	0.3	19.9	42.1
470 = 450	575	3.32	15.5	46.8	22.60	78.6	9.27	0.1	3.0	0.5	53.8	35.0
471 = 449	143	0.62	4.6	15.7	7.79	23.3	3.02	0.1	1.1	0.3	7.7	30.6
472 = 448	131	0.67	5.9	19.7	10.80	30.6	3.86	0.1	0.8	0.4	19.6	36.9
473 = 465	162	1.84	8.8	24.7	10.50	40.4	4.83	0.1	1.0	0.3	25.0	39.3
474 TEST PULP	1300	7.65	46.5	52.0	231.00 ✓	481.0 ✓	7.27	0.1	3.6	1.2	13.2	32.3
475 = 414	778	3.03	14.4	37.8	14.70	80.7	7.12	0.1	2.1	0.7	44.9	33.4
476 = 438	840	4.33	20.8	59.8	38.20	1070.0	12.00	0.2	4.7	0.6	70.0	37.4
477	96	2.28	6.9	22.3	9.43	35.5	6.14	< 0.1	1.4	0.3	8.4	12.1
478 F6	572	2.76	13.6	40.2	23.20	65.5	7.50	0.1	2.7	0.4	41.7	54.6
479 D	669	4.08	18.1	58.0	31.70	90.9	11.70	0.1	4.2	0.5	55.3	38.2
480 = 463	67	0.62	6.6	24.2	10.60	15.5	2.31	0.1	0.9	0.4	5.1	12.0
481 = 495	418	3.95	19.1	52.6	18.80	113.0	11.70	0.1	2.6	0.6	67.8	46.9
482 S L F4	98	0.44	3.2	8.8	8.30	12.1	1.56	0.1	0.7	0.1	3.4	24.6

Report: A08-3049

Report Date: 6/24/2008

**Final Report
Activation Laboratories**

Analyte Symbol	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Rb	Sr
Unit Symbol	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	0.01	0.1	0.1	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.5
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
483	158	2.10	9.7	26.3	11.30	46.4	6.63	0.1	1.6	0.3	20.4	30.1
484 S L	101	0.52	3.5	11.2	7.17	14.4	2.12	0.1	0.4	0.1	6.0	27.5
485 S	79	0.71	7.0	23.4	7.67	25.5	5.31	< 0.1	1.1	0.3	11.3	15.2
486	470	2.98	13.8	40.3	16.70	67.1	8.76	0.1	1.8	0.5	44.5	31.7
487 S L F7	129	0.52	3.7	12.1	7.07	15.5	1.72	0.1	0.9	0.1	4.9	56.7
488 D	420	2.78	15.0	34.5	16.30	73.0	9.63	0.1	2.2	0.4	51.0	31.9
489	635	3.91	17.8	51.0	30.60	88.8	11.40	0.1	3.9	0.5	60.4	36.4
490 S	77	1.84	5.6	16.3	4.39	16.9	4.85	0.1	1.5	0.2	9.1	13.6
491 S L F6	113	0.47	3.7	11.3	7.46	14.9	1.51	0.1	0.7	0.2	5.9	39.9
492 D	117	0.67	7.6	22.1	11.90	45.3	4.58	0.1	0.9	0.3	24.4	27.8
493	631	3.60	16.8	49.5	28.20	77.9	10.50	0.1	3.6	0.6	54.0	34.7
494 D	193	1.75	8.2	24.9	15.70	53.6	6.27	0.1	1.2	0.7	23.9	29.6
495	418	3.87	20.6	52.9	19.80	113.0	11.20	0.1	2.3	0.6	66.6	47.3
496 TEST PULP = 474	1380	7.85	48.1	55.4	241.00✓	490.0✓	7.52	0.1	4.0	1.2	13.5	31.9

Legend to correlate background metals:

- S sandy, else clay
- L light color } else medium
- D dark color }
- F1-F5 fizz with 10% HCl, weak to strong,
else nil, approximates % Ca.
- % mt % magnetite, else nil or trace.

Final Report
Activation Laboratories

Analyte Symbol	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs
Unit Symbol	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
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
401	17.80	10.4	0.2	0.25	0.094	0.04	0.04	0.90	0.11	0.03	3.00
402	4.53	2.2	1.2	0.64	< 0.002	0.01	< 0.02	0.26	0.02	0.03	0.40
403	18.50	11.7	0.1	0.14	0.069	0.06	0.04	0.93	0.14	0.03	2.90
404	7.57	6.0	0.5	0.05	0.033	0.01	< 0.02	0.32	0.03	< 0.02	0.30
405	10.20	6.6	0.7	0.09	0.061	0.07	0.02	0.57	0.05	0.03	0.90
406	14.80	10.1	0.4	0.15	0.050	0.05	0.03	0.81	0.11	0.02	2.50
407	14.40	10.4	0.2	0.14	0.055	0.04	0.03	0.73	0.13	0.04	2.10
408	9.06	5.8	0.8	0.06	0.022	0.02	< 0.02	0.39	0.02	< 0.02	0.40
409	18.10	13.1	0.3	0.10	0.053	2.50	0.03	0.84	0.08	< 0.02	2.10
410	8.73	5.4	0.7	0.06	0.056	0.04	< 0.02	0.28	0.03	< 0.02	0.20
411	7.79	3.5	0.9	0.05	0.058	0.06	< 0.02	0.35	0.02	< 0.02	0.30
412	11.30	3.9	0.7	0.09	0.035	0.04	0.02	0.63	0.06	< 0.02	1.20
413	10.80	4.3	0.8	0.08	0.079	0.04	0.02	0.63	0.05	< 0.02	1.20
414	22.10	1.9	1.0	0.31	0.104	0.18	0.03	0.41	0.06	< 0.02	2.20
415	11.40	4.0	0.7	0.09	0.093	0.05	0.02	0.61	0.06	0.02	1.20
416	10.10	8.3	0.5	0.09	0.037	0.02	0.02	0.62	0.06	0.02	1.30
417	13.70	11.1	0.4	0.10	0.038	0.10	0.02	0.67	0.07	0.04	1.90
418	7.19	1.9	1.2	0.69	0.018	0.01	< 0.02	0.30	0.02	0.02	0.50
419	7.35	5.2	0.4	0.07	0.030	0.02	< 0.02	0.27	0.02	< 0.02	0.30
420	18.50	8.8	0.1	0.28	0.070	0.08	0.04	0.87	0.13	0.04	2.90
421	7.30	3.0	1.9	0.69	0.044	0.17	0.04	0.21	0.05	< 0.02	0.70
422	14.00	8.8	0.4	0.15	0.038	0.06	0.03	0.77	0.07	0.02	2.00
423	18.40	11.6	0.2	0.21	0.091	0.24	0.04	0.86	0.19	0.02	2.80
424	4.19	1.5	1.9	0.35	0.071	0.12	0.02	0.29	0.03	< 0.02	0.40
425	11.00	6.6	0.8	0.11	0.038	0.02	< 0.02	0.48	0.04	0.02	0.60
426	5.63	1.5	1.3	0.09	< 0.002	0.01	< 0.02	0.27	0.02	< 0.02	0.45
427	20.60	12.9	0.2	0.16	0.113	0.04	0.04	1.01	0.16	0.04	3.20
428	12.90	8.6	0.8	0.12	0.053	0.04	0.02	0.62	0.08	< 0.02	1.30

Report: A08-3049

Report Date: 6/24/2008

Final Report
Activation Laboratories

Analyte Symbol	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs
Unit Symbol	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
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
429	20.40	16.6	0.4	0.13	0.051	0.04	0.03	1.04	0.12	< 0.02	2.80
430	4.43	2.8	1.4	0.17	0.049	0.05	< 0.02	0.36	0.02	0.02	0.60
431	12.70	6.7	0.4	0.07	0.037	0.01	0.02	0.61	0.06	< 0.02	1.30
432	6.72	4.1	1.6	0.27	0.097	0.05	0.02	0.44	0.03	< 0.02	0.70
433	7.98	4.5	0.8	0.07	0.019	0.10	< 0.02	0.37	0.02	< 0.02	0.40
434	15.10	8.8	0.6	0.17	0.060	0.43	0.03	0.77	0.09	0.02	2.40
435	13.80	6.0	1.1	0.23	0.052	0.07	0.02	0.54	0.06	0.02	1.50
436	18.20	13.9	0.3	0.17	0.083	0.02	0.05	0.98	0.14	< 0.02	3.20
437	5.27	3.7	1.5	0.25	0.108	0.09	0.02	0.46	0.03	< 0.02	0.70
438	25.00	10.8	0.5	0.24	0.154	7.76	0.04	0.9	0.17	0.03	3.50
439	17.10	8.9	0.4	0.10	0.056	0.01	0.02	0.75	0.08	0.03	1.90
440	5.16	3.3	1.7	0.23	0.030	0.03	< 0.02	0.38	0.02	0.02	0.55
441	13.60	7.9	0.5	0.15	0.039	0.03	0.03	0.69	0.10	< 0.02	2.00
442	7.11	3.5	1.2	0.05	0.006	0.01	< 0.02	0.30	0.02	0.04	0.30
443	6.08	2.7	1.5	0.19	< 0.002	0.06	< 0.02	0.22	0.03	< 0.02	0.30
444	18.70	7.5	0.2	0.17	0.068	0.09	0.04	0.77	0.11	0.04	2.80
445	5.30	2.9	1.4	0.50	0.008	0.06	0.02	0.29	0.04	0.02	0.70
446	6.36	1.6	1.4	0.18	0.039	1.15	0.02	0.27	0.03	< 0.02	0.60
447	10.70	5.0	0.5	0.10	0.025	0.68	< 0.02	0.45	0.03	0.03	0.70
448	11.50	5.9	0.4	0.08	0.063	0.03	0.02	0.43	0.07	< 0.02	1.00
449	13.10	4.7	0.6	0.17	0.013	0.01	0.02	0.45	0.03	0.05	0.50
450	18.20	5.4	0.5	0.17	0.073	0.04	0.03	0.64	0.08	0.03	2.40
451	5.33	2.0	1.2	0.28	0.011	0.03	< 0.02	0.39	0.04	0.03	0.70
452	6.14	3.7	1.1	0.11	0.018	0.01	< 0.02	0.38	0.04	0.03	0.50
453	13.60	10.2	0.3	0.10	0.034	0.01	0.02	0.71	0.09	0.06	1.90
454	11.00	7.7	0.5	0.10	0.040	< 0.01	0.02	0.54	0.06	0.02	1.20
455	10.90	7.6	0.6	0.12	0.049	0.05	0.02	0.47	0.10	0.03	1.40

Final Report
Activation Laboratories

Analyte Symbol	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs
Unit Symbol	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
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
456	7.38	6.5	1.1	0.12	0.035	0.02	< 0.02	0.44	0.05	0.03	0.70
457	4.87	2.3	1.6	0.20	0.055	0.08	< 0.02	0.36	0.03	< 0.02	0.60
458	4.32	1.8	1.6	0.20	0.043	0.05	< 0.02	0.27	0.03	< 0.02	0.50
459	20.30	12.3	0.5	0.24	0.129	0.05	0.04	0.79	0.13	< 0.02	3.50
460	1.38	2.1	0.7	0.28	0.013	0.02	< 0.02	0.30	0.03	0.04	0.20
461	3.39	3.0	1.3	1.12	0.013	0.10	0.03	0.34	0.06	0.06	0.60
462	9.89	4.3	0.8	0.11	0.064	0.02	< 0.02	0.41	0.03	0.02	0.50
463	5.11	2.2	1.5	0.16	0.038	0.02	< 0.02	0.28	0.03	< 0.02	0.45
464	5.30	0.6	1.0	0.10	0.005	0.02	< 0.02	0.24	0.02	< 0.02	0.50
465	11.50	6.4	0.3	0.09	0.043	0.02	0.02	0.47	0.07	< 0.02	1.20
466	12.60	6.1	0.4	0.13	0.053	0.05	0.02	0.48	0.10	< 0.02	1.10
467	15.60	8.0	0.3	0.18	0.078	0.05	0.03	0.63	0.07	< 0.02	2.00
468	17.60	4.8	0.6	0.25	0.091	0.09	0.04	0.39	0.10	< 0.02	2.70
469 = 466	12.10	5.0	0.3	0.11	0.055	0.03	0.02	0.50	0.08	< 0.02	1.10
470 = 450	18.50	6.0	0.5	0.20	0.087	0.06	0.04	0.72	0.10	0.03	2.60
471 = 449	12.90	5.2	0.7	0.10	0.027	0.02	0.02	0.44	0.03	< 0.02	0.40
472 = 448	11.60	6.8	0.5	0.08	0.036	0.03	0.02	0.47	0.06	0.03	1.00
473 = 465	12.10	6.0	0.3	0.09	0.043	0.03	0.02	0.51	0.07	< 0.02	1.30
474 TEST PULP	19.50	0.8	< 0.1	0.90	1.390 ✓	3.60	0.05	0.26	0.15	< 0.02	0.20
475 = 414	21.50	2.0	1.5	0.33	0.124	0.20	0.03	0.72	0.07	0.04	2.20
476 = 438	23.70	11.0	0.5	0.24	0.158	7.81	0.04	0.98	0.18	0.03	3.60
477	5.59	2.1	1.6	0.38	0.034	0.18	0.02	0.23	0.05	< 0.02	0.70
478	15.60	8.0	0.2	0.12	0.096	0.07	0.03	0.72	0.11	0.05	2.30
479	21.10	10.2	0.1	0.14	0.069	0.03	0.05	0.95	0.15	0.03	3.30
480 = 463	5.05	2.1	1.3	0.15	0.044	0.03	< 0.02	0.26	0.03	0.02	0.40
481 = 445	20.00	8.2	0.4	0.38	0.078	0.10	0.05	0.43	0.09	0.03	3.10
482	7.85	3.8	0.5	0.04	0.016	0.03	< 0.02	0.24	0.02	0.03	0.20

Report: A08-3049

Report Date: 6/24/2008

Final Report
Activation Laboratories

Analyte Symbol	Y	Zr	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	
Unit Symbol	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	
Analysis Method	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	
483	11.80	5.7	0.7	0.11	0.028	0.03	0.02	0.72	0.05	0.04	1.40	
484	9.12	3.1	0.7	0.03	0.005	0.01	< 0.02	0.34	0.02	< 0.02	0.40	
485	5.32	3.7	1.5	0.34	0.004	0.04	0.02	0.38	0.03	< 0.02	0.70	
486	14.80	7.5	0.4	0.14	0.048	0.02	0.03	0.61	0.08	0.03	2.30	
487	8.74	4.1	0.5	0.10	0.025	0.03	< 0.02	0.28	0.03	0.02	0.30	
488	11.60	4.6	0.8	0.33	0.043	0.08	0.03	0.25	0.07	< 0.02	2.60	
489	19.50	9.8	0.2	0.14	0.081	0.05	0.04	0.88	0.13	0.05	3.30	
490	5.74	1.8	1.5	0.37	0.062	0.05	< 0.02	0.18	0.04	< 0.02	0.55	
491	6.79	5.5	0.5	0.09	0.017	0.01	< 0.02	0.27	0.03	< 0.02	0.30	
492	13.00	2.5	0.6	0.08	0.047	0.07	0.02	0.09	0.05	< 0.02	1.20	
493	18.00	10.7	0.2	0.21	0.078	0.03	0.04	0.93	0.14	0.05	3.10	
494	13.70	5.2	2.2	0.08	0.076	0.06	0.02	0.68	0.08	0.02	1.30	
495	19.70	7.7	0.3	0.33	0.092	0.09	0.04	0.40	0.08	0.08	3.00	
496	TEST PULP = 474	19.60	1.2	0.1	0.95	1.410	3.43	0.04	0.23	0.16	0.02	0.20

Final Report
Activation Laboratories

Analyte Symbol	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	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
401	206.0	36.6	65.0	9.4	30.8	5.5	1.0	4.2	0.6	3.00	0.6	1.5
402	33.0	15.2	29.7	3.6	11.6	1.9	0.3	1.5	0.2	0.90	0.2	0.4
403	198.0	40.5	68.6	10.5	33.4	5.8	1.1	4.6	0.6	3.20	0.6	1.6
404	33.2	14.1	28.9	3.8	12.6	2.3	0.4	1.8	0.2	1.30	0.3	0.6
405	74.9	21.0	42.5	5.5	17.9	3.3	0.6	2.5	0.3	1.80	0.3	0.9
406	175.0	30.1	59.5	8.2	26.4	4.6	0.9	3.6	0.5	2.60	0.5	1.3
407	134.0	30.0	56.4	7.9	25.1	4.4	0.8	3.4	0.5	2.40	0.5	1.2
408	41.1	18.8	35.8	5.0	16.2	2.9	0.5	2.2	0.3	1.50	0.3	0.7
409	143.0	34.3	54.9	9.1	29.6	5.3	1.0	4.1	0.6	3.00	0.6	1.5
410	26.1	16.5	32.6	4.4	14.1	2.7	0.5	2.1	0.3	1.50	0.3	0.7
411	31.0	16.1	32.4	4.2	13.7	2.5	0.4	2.0	0.3	1.40	0.2	0.6
412	99.5	23.2	53.4	6.1	19.8	3.5	0.7	2.8	0.4	2.00	0.4	0.9
413	82.1	23.0	47.0	5.9	19.1	3.4	0.6	2.6	0.4	1.85	0.4	0.9
414	213.0	40.4	73.5	11.0	36.1	6.2	1.3	5.1	0.7	3.60	0.7	1.7
415	90.3	23.8	45.9	6.1	19.9	3.5	0.7	2.7	0.4	1.90	0.4	0.9
416	89.8	20.5	42.7	5.5	17.9	3.3	0.6	2.5	0.3	1.80	0.3	0.9
417	125.0	27.9	42.5	7.1	22.6	4.0	0.8	3.0	0.4	2.20	0.4	1.1
418	32.8	14.0	27.0	3.5	11.5	2.0	0.4	1.5	0.2	1.10	0.2	0.6
419	29.4	14.5	29.5	3.9	12.5	2.3	0.4	1.8	0.2	1.30	0.2	0.6
420	188.0	38.3	68.4	10.0	31.7	5.5	1.0	4.3	0.6	3.00	0.6	1.5
421	32.5	17.8	38.5	4.8	15.9	3.2	0.5	2.5	0.3	1.70	0.3	0.7
422	178.0	29.5	56.3	7.5	24.6	4.3	0.8	3.2	0.4	2.40	0.5	1.2
423	187.0	38.4	62.3	9.9	31.2	5.4	1.0	4.1	0.6	3.00	0.6	1.4
424	36.2	9.5	25.3	2.5	8.0	1.5	0.3	1.1	0.2	0.80	0.2	0.4
425	49.8	20.8	40.2	5.7	18.5	3.3	0.6	2.6	0.3	1.80	0.3	0.9
426	28.3	11.9	24.1	3.1	10.4	2.0	0.3	1.5	0.2	1.00	0.2	0.4
427	212.0	42.7	70.5	10.9	35.3	6.1	1.2	4.8	0.7	3.40	0.7	1.7
428	84.6	26.1	48.6	6.8	22.2	3.9	0.7	3.1	0.4	2.10	0.4	1.0

Report: A08-3049

Report Date: 6/24/2008

Final Report
Activation Laboratories

Analyte Symbol	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	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
429	177.0	42.3	60.9	10.8	35.6	6.1	1.1	4.7	0.6	3.30	0.7	1.6
430	44.4	11.3	24.1	2.9	9.61	1.7	0.3	1.3	0.2	0.80	0.2	0.4
431	92.1	24.9	43.3	6.4	21.0	3.8	0.7	2.9	0.4	2.10	0.4	1.1
432	49.3	14.3	31.6	3.8	12.1	2.2	0.4	1.8	0.2	1.20	0.2	0.6
433	36.7	16.2	35.8	4.4	14.1	2.6	0.5	2.0	0.3	1.40	0.3	0.7
434	161.0	30.5	56.7	7.9	25.5	4.5	0.9	3.4	0.5	2.50	0.5	1.3
435	115.0	25.8	48.8	6.8	21.8	3.9	0.7	3.1	0.4	2.30	0.4	1.1
436	215.0	37.2	68.5	10.0	31.8	5.7	1.1	4.3	0.6	3.10	0.6	1.5
437	43.6	11.3	23.6	2.9	9.31	1.7	0.3	1.3	0.2	1.00	0.2	0.4
438	242.0	47.2	71.6	12.0	38.7	6.4	1.3	5.2	0.7	3.70	0.7	1.8
439	129.0	32.1	50.9	8.5	27.5	4.8	0.9	3.7	0.5	2.70	0.5	1.3
440	32.5	12.9	26.1	3.4	11.1	2.0	0.3	1.5	0.2	1.00	0.2	0.4
441	144.0	27.2	57.1	7.1	23.4	4.1	0.8	3.2	0.4	2.30	0.4	1.1
442	31.6	16.3	33.2	4.3	14.0	2.5	0.4	1.9	0.2	1.30	0.2	0.5
443	29.5	13.7	27.2	3.6	11.6	2.2	0.4	1.6	0.2	1.10	0.2	0.5
444	180.0	39.3	68.0	9.9	32.4	5.6	1.1	4.4	0.6	3.00	0.6	1.5
445	45.5	13.3	27.0	3.3	10.8	2.0	0.3	1.5	0.2	1.00	0.2	0.4
446	32.2	12.3	25.4	3.3	11.4	2.2	0.4	1.7	0.2	1.20	0.2	0.5
447	59.2	21.3	39.9	5.6	18.3	3.2	0.6	2.5	0.3	1.80	0.3	0.9
448	70.8	25.3	49.6	6.6	20.8	3.8	0.6	2.8	0.4	2.00	0.4	0.9
449	44.7	24.9	45.7	6.7	21.9	4.0	0.8	3.1	0.4	2.20	0.4	1.1
450	175.0	35.3	61.5	9.1	29.6	5.1	1.0	4.0	0.5	3.00	0.6	1.4
451	37.5	15.4	30.2	3.8	12.5	2.2	0.3	1.6	0.2	1.10	0.2	0.5
452	34.8	13.8	29.2	3.6	12.2	2.2	0.3	1.7	0.2	1.10	0.2	0.5
453	139.0	27.8	47.7	7.0	23.0	4.0	0.8	3.2	0.4	2.20	0.4	1.1
454	85.9	23.2	39.0	5.8	19.1	3.3	0.6	2.6	0.3	1.80	0.3	0.9
455	91.5	23.2	45.5	5.9	19.6	3.3	0.6	2.7	0.3	1.80	0.3	0.9

Final Report
Activation Laboratories

Analyte Symbol	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	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
456	49.7	18.4	37.5	4.6	15.0	2.6	0.4	2.0	0.3	1.20	0.2	0.6
457	38.7	11.6	25.7	2.9	9.97	1.7	0.3	1.3	0.2	0.90	0.2	0.4
458	32.4	10.9	22.0	2.8	9.2	1.6	0.3	1.3	0.2	0.80	0.2	0.4
459	246.0	41.2	75.6	10.6	34.8	5.9	1.1	4.7	0.6	3.30	0.7	1.6
460	12.6	6.7	13.5	1.5	4.78	0.8	0.1	0.5	0.1	0.30	< 0.1	0.1
461	26.5	15.6	29.1	3.5	10.9	1.7	0.2	1.2	0.1	0.70	0.1	0.3
462	43.8	18.8	35.6	4.8	16.3	3.0	0.5	2.4	0.3	1.50	0.3	0.8
463	46.8	12.6	26.2	3.2	10.8	1.9	0.3	1.4	0.2	0.90	0.2	0.4
464	40.2	11.4	23.9	3.1	10.6	2.0	0.3	1.5	0.2	0.90	0.2	0.4
465	78.4	23.3	45.4	5.9	19.7	3.3	0.6	2.7	0.4	1.90	0.4	0.9
466	81.5	25.2	47.5	6.6	21.4	3.6	0.7	2.9	0.4	2.00	0.4	1.0
467	134.0	32.5	57.2	8.3	27.0	4.5	0.9	3.6	0.5	2.50	0.5	1.3
468	176.0	36.8	68.3	9.5	30.0	5.2	1.0	4.1	0.6	2.90	0.6	1.5
469 = 466	79.6	24.6	46.2	6.3	20.4	3.6	0.7	2.8	0.4	1.90	0.4	1.0
470 = 450	182.0	36.2	61.8	9.3	30.5	5.3	1.0	4.1	0.6	3.00	0.6	1.5
471 = 449	42.3	24.8	44.3	6.5	21.9	3.9	0.7	3.1	0.4	2.10	0.4	1.0
472 = 448	69.3	24.3	46.7	6.2	20.6	3.5	0.6	2.8	0.4	1.90	0.4	0.9
473 = 465	84.5	25.1	48.8	6.4	21.1	3.6	0.7	2.9	0.4	2.00	0.4	1.0
474 TEST PULP	87.4	6.1	16.3	2.6	12.0	3.7	1.3	4.6	0.7	3.60	0.7	1.7
475 = 414	214.0	41.0	75.3	11.1	37.3	6.7	1.3	5.3	0.7	3.70	0.7	1.8
476 = 438	241.0	47.7	73.6	12.0	39.2	6.6	1.3	5.3	0.7	3.70	0.7	1.9
477	37.7	10.7	23.4	2.8	9.08	1.8	0.3	1.4	0.2	1.05	0.2	0.4
478	152.0	32.4	57.3	8.1	26.1	4.3	0.9	3.5	0.5	2.50	0.5	1.2
479	223.0	45.7	67.9	11.3	36.8	5.9	1.2	4.8	0.6	3.40	0.7	1.7
480 = 463	44.5	12.8	26.1	3.2	10.5	1.8	0.3	1.3	0.2	1.00	0.2	0.4
481 = 495	203.0	40.1	71.2	10.3	34.0	5.6	1.1	4.6	0.6	3.30	0.6	1.7
482	25.1	18.7	36.1	4.9	15.9	2.7	0.4	2.1	0.3	1.40	0.3	0.7

Report: A08-3049

Report Date: 6/24/2008

Final Report
Activation Laboratories

Analyte Symbol	Ba	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.5	0.5	0.01	0.1	0.02	0.1	0.1	0.1	0.1	0.001	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
483	99.7	25.4	47.5	6.4	21.5	3.9	0.7	2.9	0.4	2.10	0.4	1.0
484	33.9	18.1	34.8	4.8	15.9	2.9	0.5	2.3	0.3	1.60	0.3	0.7
485	46.0	13.0	28.0	3.3	10.9	1.9	0.3	1.4	0.2	1.00	0.2	0.5
486	163.0	31.1	57.4	7.9	26.5	4.6	0.9	3.5	0.5	2.50	0.5	1.2
487	30.0	17.3	34.8	4.6	15.7	2.8	0.5	2.2	0.3	1.50	0.3	0.8
488	149.0	26.6	55.4	6.7	21.9	3.8	0.7	2.9	0.4	2.10	0.4	1.0
489	216.0	40.0	69.4	10.5	34.6	6.0	1.1	4.4	0.6	3.30	0.6	1.7
490	30.5	17.1	36.8	4.2	13.3	2.3	0.4	1.8	0.3	1.15	0.2	0.5
491	33.2	13.2	27.1	3.4	11.6	2.1	0.4	1.6	0.2	1.20	0.2	0.6
492	83.6	27.5	49.6	7.0	22.9	4.0	0.7	3.1	0.4	2.20	0.4	1.1
493	209.0	38.2	64.3	9.9	32.2	5.5	1.0	4.2	0.6	3.00	0.6	1.5
494	83.7	33.0	59.7	8.0	27.7	4.9	0.9	4.0	0.5	2.70	0.5	1.4
495	207.0	41.0	71.6	10.3	33.9	5.7	1.1	4.6	0.6	3.30	0.6	1.7
496 TEST PULP = 474	82.5	5.9	15.6	2.5	11.6	3.6	1.2	4.4	0.6	3.40	0.7	1.7

Final Report
Activation Laboratories

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.01	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
401	0.2	1.2	0.1	0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.43	13.10	11.0
402	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.001	6.3	0.05	3.25	5.0
403	0.2	1.3	0.1	0.1	< 0.05	< 0.1	0.001	7.3	0.42	14.2	11.4
404	0.1	0.5	0.1	0.1	< 0.05	< 0.1	0.001	1.9	0.08	2.58	2.8
405	0.1	0.7	0.1	0.1	< 0.05	< 0.1	< 0.001	1.9	0.15	5.87	5.1
406	0.2	1.0	0.1	0.1	< 0.05	< 0.1	0.001	5.8	0.35	12.10	9.3
407	0.2	0.9	0.1	0.1	< 0.05	< 0.1	0.001	5.8	0.29	9.84	7.7
408	0.1	0.6	0.1	0.1	< 0.05	< 0.1	0.002	1.5	0.08	3.08	4.3
409	0.2	1.2	0.1	0.2	< 0.05	< 0.1	< 0.001	7.8	0.31	9.45	8.6
410	0.1	0.6	0.1	0.1	< 0.05	< 0.1	0.001	1.9	0.06	2.47	2.8
411	0.1	0.5	0.1	< 0.1	< 0.05	< 0.1	0.001	6.8	0.06	2.82	3.2
412	0.1	0.7	0.1	< 0.1	< 0.05	< 0.1	< 0.001	10.2	0.16	6.91	5.2
413	0.1	0.7	0.1	< 0.1	< 0.05	< 0.1	< 0.001	4.3	0.15	6.74	4.9
414	0.2	1.3	0.1	< 0.1	< 0.05	< 0.1	0.001	{ 7.3	0.26	9.67	5.5
415	0.1	0.8	0.1	< 0.1	< 0.05	< 0.1	< 0.001	7.3	0.16	6.61	4.6
416	0.1	0.7	0.1	0.1	< 0.05	< 0.1	0.001	6.3	0.19	6.35	5.5
417	0.2	0.9	0.1	0.1	< 0.05	< 0.1	< 0.001	6.3	0.26	6.89	6.9
418	0.1	0.5	0.1	< 0.1	< 0.05	< 0.1	0.002	2.9	0.04	3.16	3.4
419	0.1	0.5	0.1	0.1	< 0.05	< 0.1	0.001	6.8	0.07	2.57	2.4
420	0.2	1.1	0.1	0.1	< 0.05	< 0.1	< 0.001	0.5	0.40	13.50	10.1
421	0.1	0.5	0.1	0.1	< 0.05	< 0.1	0.001	7.8	0.08	6.99	5.7
422	0.2	0.8	0.1	0.1	< 0.05	< 0.1	0.002	2.9	0.30	11.00	7.8
423	0.2	1.1	0.1	0.1	< 0.05	< 0.1	< 0.001	6.3	0.37	13.10	10.5
424	0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.001	10.7	0.05	5.11	3.3
425	0.1	0.7	0.1	0.1	< 0.05	< 0.1	0.002	4.4	0.11	3.89	3.9
426	0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	5.2	0.05	2.76	2.5
427	0.2	1.3	0.1	0.1	< 0.05	< 0.1	0.001	6.3	0.45	14.40	11.1
428	0.1	0.9	0.1	0.1	< 0.05	< 0.1	0.002	3.9	0.18	7.28	5.8

Report: A08-3049

Report Date: 6/24/2008

**Final Report
Activation Laboratories**

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.01	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
429	0.2	1.3	0.2	0.2	< 0.05	< 0.1	< 0.001	1.5	0.42	12.20	10.6
430	0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.002	1.5	0.08	4.28	2.7
431	0.2	0.9	0.1	0.1	< 0.05	< 0.1	< 0.001	6.8	0.20	6.49	5.4
432	0.1	0.4	< 0.1	0.1	< 0.05	< 0.1	0.001	6.8	0.09	4.69	4.3
433	0.1	0.5	0.1	0.1	< 0.05	< 0.1	< 0.001	1.9	0.08	3.27	2.9
434	0.2	1.0	0.1	0.1	< 0.05	< 0.1	< 0.001	3.4	0.30	11.20	8.3
435	0.2	0.8	0.1	0.1	< 0.05	< 0.1	0.001	1.9	0.21	8.55	6.6
436	0.2	1.2	0.1	0.2	< 0.05	< 0.1	< 0.001	1.9	0.45	15.00	11.4
437	0.1	0.3	< 0.1	0.1	< 0.05	< 0.1	< 0.001	9.7	0.08	11.7	3.4
438	0.3	1.4	0.1	0.1	< 0.05	< 0.1	< 0.001	{ 7.8 4.4	0.44	16.00	10.6
439	0.2	1.1	0.1	0.1	< 0.05	< 0.1	0.001	< 0.5	0.25	8.00	7.9
440	0.1	0.3	< 0.1	0.1	< 0.05	< 0.1	< 0.001	4.6	0.07	4.07	3.8
441	0.2	0.9	0.1	0.1	< 0.05	< 0.1	< 0.001	1.9	0.24	12.10	7.0
442	0.1	0.5	0.1	0.1	< 0.05	< 0.1	< 0.001	2.9	0.06	2.77	3.9
443	0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	3.9	0.04	3.15	3.7
444	0.2	1.2	0.1	0.1	< 0.05	< 0.1	0.002	6.8	0.36	14.80	9.5
445	0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	4.4	0.10	5.28	4.0
446	0.1	0.4	0.1	< 0.1	< 0.05	< 0.1	< 0.001	7.8	0.08	97.20	2.8
447	0.1	0.7	0.1	0.1	< 0.05	< 0.1	0.001	3.9	0.11	30.80	3.5
448	0.1	0.8	0.1	0.1	< 0.05	< 0.1	< 0.001	{ vs. 5.8 1.5	0.15	6.20	5.2
449	0.1	0.9	0.1	< 0.1	< 0.05	< 0.1	< 0.001	{ < 0.5 0.5	0.10	3.91	4.7
450	0.2	1.1	0.1	< 0.1	< 0.05	< 0.1	0.002	{ vs. < 0.5 6.3	0.34	12.10	8.6
451	0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.002	5.3	0.07	5.21	3.5
452	0.1	0.4	< 0.1	0.1	< 0.05	< 0.1	< 0.001	5.8	0.08	3.77	3.0
453	0.2	0.8	0.1	0.1	< 0.05	< 0.1	< 0.001	1.5	0.27	7.10	6.0
454	0.1	0.7	0.1	0.1	< 0.05	< 0.1	0.002	< 0.5	0.18	4.73	4.8
455	0.1	0.7	0.1	0.1	< 0.05	< 0.1	< 0.001	5.8	0.19	7.28	5.8

Final Report
Activation Laboratories

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.01	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
456	0.1	0.5	0.1	0.1	< 0.05	< 0.1	< 0.001	3.9	0.09	4.69	4.8
457	0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	3.4	0.07	3.92	3.5
458	< 0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.001	9.7	0.06	3.83	3.1
459	0.2	1.3	0.1	0.2	< 0.05	< 0.1	0.001	6.8	0.44	18.10	11.4
460	< 0.1	0.1	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.04	1.41	1.6
461	< 0.1	0.2	< 0.1	0.1	< 0.05	< 0.1	< 0.001	2.4	0.10	6.27	4.9
462	0.1	0.6	0.1	< 0.1	< 0.05	< 0.1	0.001	0.5	0.10	3.52	3.0
463	0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	{ 3.4 3.8	0.05	3.19	3.6
464	0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.001	{ 2.9 4.4	0.07	2.79	2.0
465	0.1	0.7	0.1	0.1	< 0.05	< 0.1	0.001	{ vs. 4.4 < 0.5	0.16	6.53	4.5
466	0.1	0.8	0.1	0.1	< 0.05	< 0.1	0.002	{ 3.9 vs. 0.5	0.17	6.92	5.4
467	0.2	1.0	0.1	0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.28	8.90	7.2
468	0.2	1.1	0.1	< 0.1	< 0.05	< 0.1	< 0.001	2.4	0.31	16.90	9.0
469 = 466	0.1	0.8	0.1	< 0.1	< 0.05	< 0.1	< 0.001	0.5	0.15	6.67	5.2
470 = 450	0.2	1.2	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.34	12.40	8.9
471 = 449	0.2	0.8	0.1	0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.09	3.87	4.5
472 = 448	0.1	0.7	0.1	0.1	< 0.05	< 0.1	< 0.001	5.8	0.13	5.78	5.1
473 = 465	0.1	0.8	0.1	0.1	< 0.05	< 0.1	0.001	4.4	0.17	7.11	5.5
474 TEST PULP = 496	0.2	1.2	0.2	< 0.1	< 0.05	< 0.1	0.002	{ 35.9 ² vs. 40.0	0.06	162.00 ✓	1.4
475 = 414	0.3	1.4	0.2	< 0.1	< 0.05	< 0.1	0.001	6.8	0.28	10.30	5.5
476 = 438	0.3	1.4	0.2	0.1	< 0.05	< 0.1	< 0.001	7.8	0.45	16.90	11.7
477	0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	5.6	0.06	4.04	2.9
478	0.2	1.0	0.1	0.1	< 0.05	< 0.1	0.001	1.0	0.29	10.20	7.2
479	0.2	1.3	0.1	0.1	< 0.05	< 0.1	0.002	< 0.5	0.44	14.80	11.3
480 = 463	0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	0.001	3.4	0.05	3.11	4.3
481 = 495	0.2	1.3	0.1	0.1	< 0.05	< 0.1	< 0.001	5.8	0.39	15.30	10.0
482	0.1	0.5	0.1	0.1	< 0.05	< 0.1	0.001	1.5	0.07	3.48	2.7

Report: A08-3049

Report Date: 6/24/2008

Final Report
Activation Laboratories

Analyte Symbol	Tm	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Th
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm
Detection Limit	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.01	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
483	0.2	0.8	0.1	0.1	< 0.05	< 0.1	0.002	< 0.5	0.18	8.45	6.0
484	0.1	0.6	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.09	2.68	3.3
485	0.1	0.4	< 0.1	0.1	< 0.05	< 0.1	0.001	3.9	0.09	5.01	4.5
486	0.2	0.9	0.1	0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.30	10.50	8.7
487	0.1	0.6	0.1	0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.07	2.66	2.9
488	0.2	0.7	0.1	0.1	< 0.05	< 0.1	0.001	1.9	0.28	13.50	7.2
489	0.2	1.3	0.1	0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.42	13.60	10.6
490	0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.06	4.86	5.2
491	0.1	0.4	0.1	0.1	< 0.05	< 0.1	0.002	< 0.5	0.08	2.35	2.2
492	0.2	0.9	0.1	< 0.1	< 0.05	< 0.1	< 0.001	1.0	0.16	7.18	4.7
493	0.2	1.1	0.1	0.1	< 0.05	< 0.1	< 0.001	2.9	0.40	13.20	10.4
494	0.2	1.0	0.1	0.1	< 0.05	< 0.1	< 0.001	14.0	0.16	9.94	5.2
495	0.2	1.2	0.1	0.1	< 0.05	< 0.1	< 0.001	5.8 1.5	0.38	15.60	10.3
496 TEST PULP = 474	0.2	1.1	0.2	< 0.1	< 0.05	< 0.1	0.001	64.5? vs. 90.0 vs. 35.9	0.05	156.00 ✓	1.1

Analyte Symbol	U
Unit Symbol	ppm
Detection Limit	0.1
Analysis Method	AR-MS
401	1.1
402	0.6
403	1.1
404	0.4
405	0.7
406	1.0
407	0.9
408	0.6
409	0.8
410	0.5
411	0.5
412	0.6
413	0.6
414	1.2
415	0.7
416	0.8
417	0.8
418	0.4
419	0.5
420	1.0
421	0.7
422	0.8
423	1.1
424	0.5
425	0.7
426	0.5
427	1.1
428	0.7

Final Report
Activation Laboratories

Report: A08-3049

Report Date: 6/24/2008

Analyte Symbol	U
Unit Symbol	ppm
Detection Limit	0.1
Analysis Method	AR-MS
429	1.0
430	0.5
431	0.7
432	0.6
433	0.5
434	1.0
435	1.2
436	1.3
437	0.5
438	1.1
439	0.9
440	0.6
441	0.9
442	0.5
443	0.5
444	1.1
445	0.6
446	0.5
447	0.5
448	0.9
449	0.7
450	0.9
451	0.7
452	0.5
453	0.7
454	0.7
455	0.8

Analyte Symbol	U
Unit Symbol	ppm
Detection Limit	0.1
Analysis Method	AR-MS

456	0.6
457	0.5
458	0.5
459	1.5
460	0.3
<hr/>	
461	0.5
462	0.5
463	0.5
464	0.5
465	0.7
466	0.8
467	0.8
468	1.1
469 = 466	0.8
470 = 450	0.9
<hr/>	
471 = 449	0.7
472 = 448	0.9
473 = 465	0.8
474 TEST PULP	0.2
475 = 414	1.3
476 = 438	1.1
477	0.6
478	0.8
479	1.1
480 = 463	0.6
<hr/>	
481 = 495	1.1
482	0.5

Report: A08-3049

Report Date: 6/24/2008

Final Report
Activation Laboratories

Analyte Symbol	U
Unit Symbol	ppm
Detection Limit	0.1
<u>Analysis Method</u>	<u>AR-MS</u>

483	0.6
484	0.5
485	0.6
486	1.3
487	0.7
488	1.3
489	1.2
490	0.6
<hr/>	
491	0.5
492	1.4
493	1.1
494	2.8
495	1.1
496 TEST PULP = 474	0.2