FINAL DRILL REPORT
MARTISON LAKE PHOSPHATE PROJECT
DECEMBER 13, 1999

MCK MINING CORP/BALTIC RESOURCES INC.
JOINT VENTURE

PORCUPINE MINING DIVISION
SOUTH OF RIDGE LAKE, ON
NTS: 42J 6W

prepared by

BCLX CONSULTING LTD
Garth Pierce , BSc. Geology

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1. INTRODUCTION

During March and April of 1999, joint venture partners MCK Mining Corporation and Baltic Resources Inc. completed a 14-hole winter diamond drill program on the Martison Lake Phosphate property (Figure 1). The claims were optioned from Don McKinnon of Timmins, Ontario.

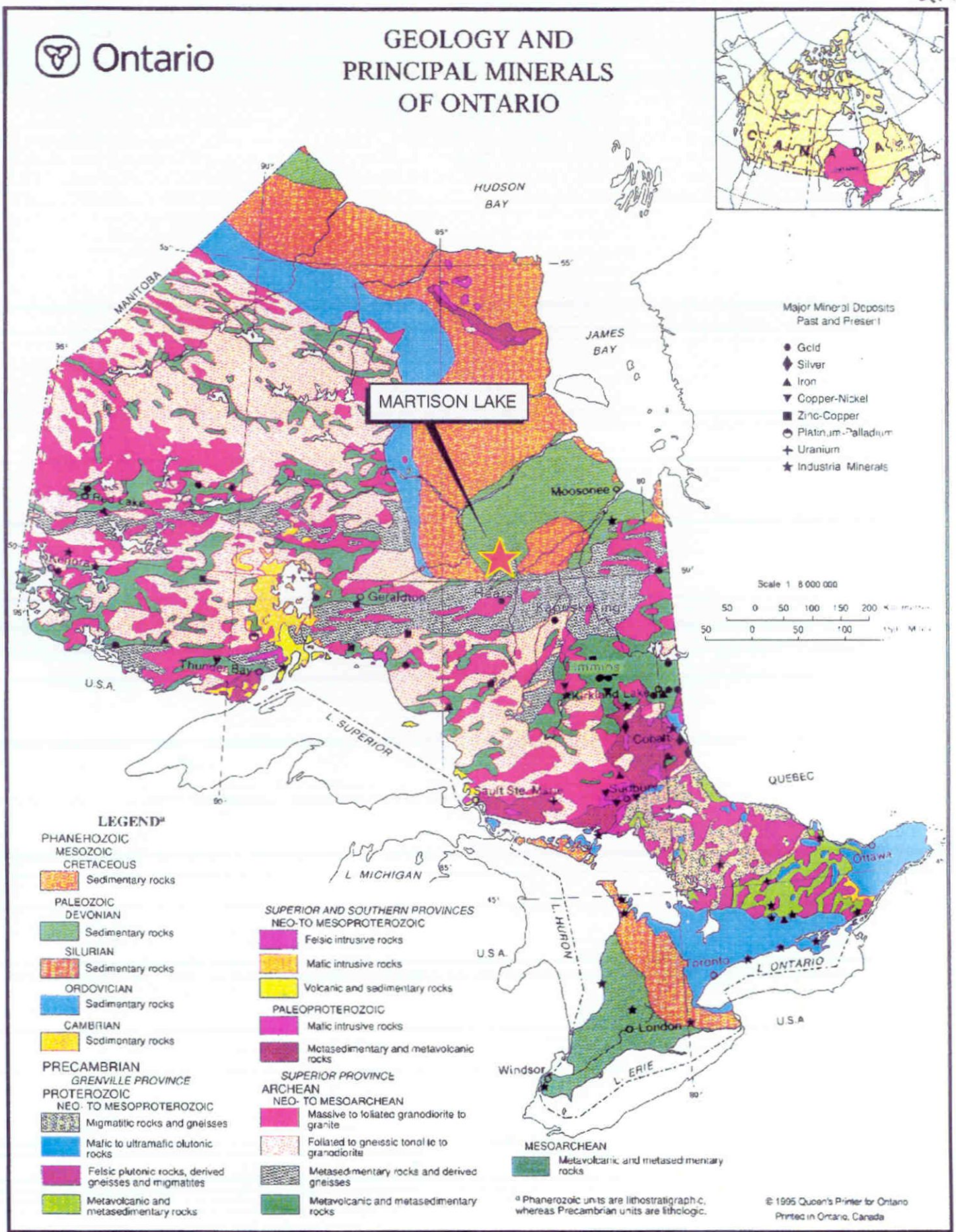
Between 1982 and 1984 Shell Canada Resources and later Camchib Mines undertook sonic, reverse circulation, churn drilling and NQ diamond drilling on the property. Their database includes 109 holes comprising some 9107 meters of drilling, undertaken on the western margin of a strong airborne magnetic anomaly associated with the apatite-rich portion of the Martison Carbonatite Complex. This anomaly is now know as the "A" Zone and hosts most of the known ore reserves on the property.

The objectives of the 1999 winter drill program were to confirm the finding of the earlier workers by twining a number of holes for comparison purposes and secondly to drill test sections through the deposit to recover test samples of the overburden, residuum and fresh carbonatite bedrock where feasible. To that end a camp was established on the property in early February and 14 HQ triple tube diamond drill holes totalling 1772 meters were completed on the property by April 15th, 1999. Mike Leahey of Bayshore Geology reported on the first 6 holes of this program in a report filed with the government earlier this year. The current report will summarize the remaining 8 holes in this program and includes the assay data for all 14 drill holes.

During the period of February through April of 1999 the author supervised the drill program, logged core, and prepared various plans and sections for the 14 drill holes.

2. LOCATION, ACCESS

The property is located approximately fifty kilometers due north of Hearst. A 90-kilometer route of logging roads and a winter road provide access to the property. The road to the Martison Lake Property turns north of Highway 11, at a point 24 kilometers west of Hearst and follows the Fushimi logging road north. A bridge had to be reconstructed on the Fushimi road, at kilometer 45, to make it passable. The 1982-1985 winter road used by Shell was reestablished from the point it intersected the Fushimi road at kilometer 50. Access to the property from kilometer 50 was by snowmobile and Muskeg tractor. Three temporary bridges were established at creek crossings on the winter road. Villeneuve Construction plowed the Fushimi road to the start of the winter road and mobilized the camp equipment to the site.



BAYSHORE GEOLOGY INC.

Baltic Resources Inc. & MCK Mining Corp.

42J6 Martison Lake Carbonatite - Phosphate Project March 1999

Figure 1

Property Location Map

A Muskeg tractor packed the winter road, serviced the camp, and transported drill core out. The drill contractor, Norex Drilling of Timmins, Ontario transported the drill equipment to site and maintained the drill camp and services.

For emergencies an airstrip was established on West Lake two kilometers west of the winter campsite. This winter landing site was suitable for small aircraft on skis and was used several times during the program to bring visitors on site.

3. CLAIM DATA - (Figure 2)

The property consists of 43 contiguous claims which total 526 units, comprising some 8416 hectares (20,796 acres). The claims are registered in the name of MCK Mining Corporation and Baltic Resources Inc. The companies are exploring the claims under the terms of an option agreement reached with Mr. McKinnon in 1997. A complete listing of the claims is as follows:

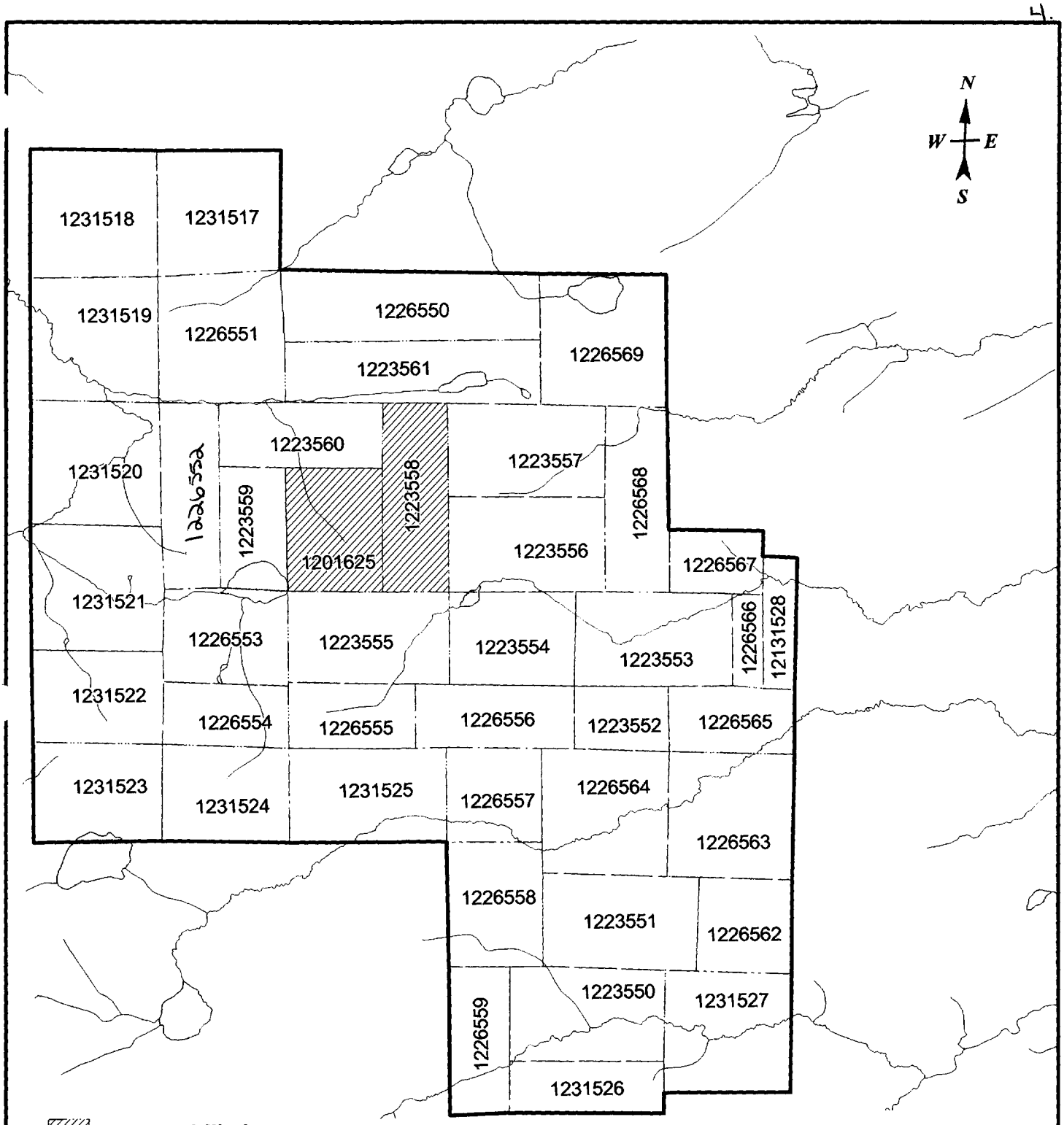
P1201625, P1223550 to 1223561, P1226550 to P1226559 P1226562 to P1226569, P1231517 to P1231528

4. EXPLORATION HISTORY

During the early 1940's Shell drilled a number of oil exploration holes in the Hudson Bay Lowlands. Analysis of drill cuttings from a hole on the Martison Carbonatite Complex returned high phosphate values.

In 1979 Selco Mining and Esso Minerals Canada completed an aeromagnetic survey in an area located 50 kilometers north of Hearst. The survey covered a strip some 57 kilometers wide across the edge of the Paleozoic Moose River Basin and totalled about 35,000 km. Of the 130 anomalous responses, 45 were tested by drilling. Thirty-four were alkaline diatremes, seven were carbonatites and four were massive alnoites.

In 1981 Shell Canada Resources Inc. staked the Martison Carbonatite Complex and from1982 to 1984 first Shell and later Camchib Mining Limited undertook ground geophysical surveys and completed drilling of 9107 meters of drilling in109 holes. Of this total, 45 holes were reverse circulation holes, 43 were sonic holes, one churn drill hole and 19 diamond drill holes were completed. Analysis of the residuum and carbonatite from the drill returned values of 5 to 30% P2O5 over a wide area in intersections ranging from 5 to 70 meters in thickness.



MARTISON PHOSPHATE PROJECT
PROPERTY CLAIM MAP

(from claim map G-1716: South Of Ridge Lake)

Figure 2

In 1997 MCK Mining Corporation and Baltic Resources Inc. entered an option agreement to earn a 100% interest in the Martison Lake property from Don McKinnon. During 1998 an airborne magnetic survey was flown over the entire claim group and in the winter of 1999 the drill program described in this report was undertaken. This report covers the final eight holes of the drill program.

5. REGIONAL GEOLOGY

The Martison Lake Carbonatite Complex (Figure 1) occurs near the north margin of the Archean craton adjacent to the younger cover rocks of the Hudson Bay Lowlands. The complex is overlain by a thin mantle of Cretaceous sediments and 30 to 45 meters of coarse glacial till. The Carbonatite has a strong magnetic signature that is readily recognizable on regional airborne maps. This Proterozoic intrusion is represented as a 7.5 km by 3 km circular magnetic anomaly, a magnetic high as shown in figure 3.

The Martison Carbonatite Complex is one of a number of alkaline intrusions including carbonatite, kimberlite and alnoite complexes that intrude the Archean shield along a prominent structure that radiates south and southeastward from James Bay. This complex, Proterozoic age crustal break, is described as the Kapuskasing Structure and is clearly shown on regional geophysical surveys as a strong magnetic and gravity feature.

There is no age dating on the Martison Lake Carbonatite Complex but one sample of Selco core from the South of Ridge Lake mapsheet, southwest corner returned an age of 180 Ma. This material was composed of alnoite , a Cretaceous age intrusion which is known to intrude the older carbonatites intrusions which host the apatite ores at Martison Lake. The Carbonatites are believed to be Proterozoic in age and subject to lateritic weathering during the Cretaceous period.

6. PROPERTY GEOLOGY

The property encloses a gentle rolling terrain dominated by muskeg and black spruce swamp. The deposit does not outcrop. Geology has been determined by rock chips, cuttings and diamond drill core. The weathered carbonatite intrusion that hosts the residual apatite ores is covered by 30 to 50 meters of coarse glacial till. A thin veneer of Cretaceous sediments is preserved over parts of the deposit. Varying from 1 to 25 meters in thickness, this Cretaceous stratigraphy includes vuggy limestone, clay, Kaolin, silica sand, lignite and often reworked sections of the carbonatite residuum.

The ore zone occurs immediately below the Cretaceous sediments and includes both unconsolidated residuum and hard, recemented varieties of apatite ore. The main ore zone grades into fresh carbonatite bedrock through a 10 to 25 meter thick rubble zone developed above the fresh bedrock contact. Phosphate minerals are concentrated in the residuum. The host carbonatite grades from the 3% to 6% P2O5 but intense weathering in the residuum can produce ores which grade up to 38% P2O5; primarily in the form of apatite.

Metallurgical testing of the residuum at Martison, suggests that ore with grades in excess of 10% P2O5 typically meets treatment specification. Ores of this grade are routinely intersected on the property over true widths varying from 15 to 100 meters.

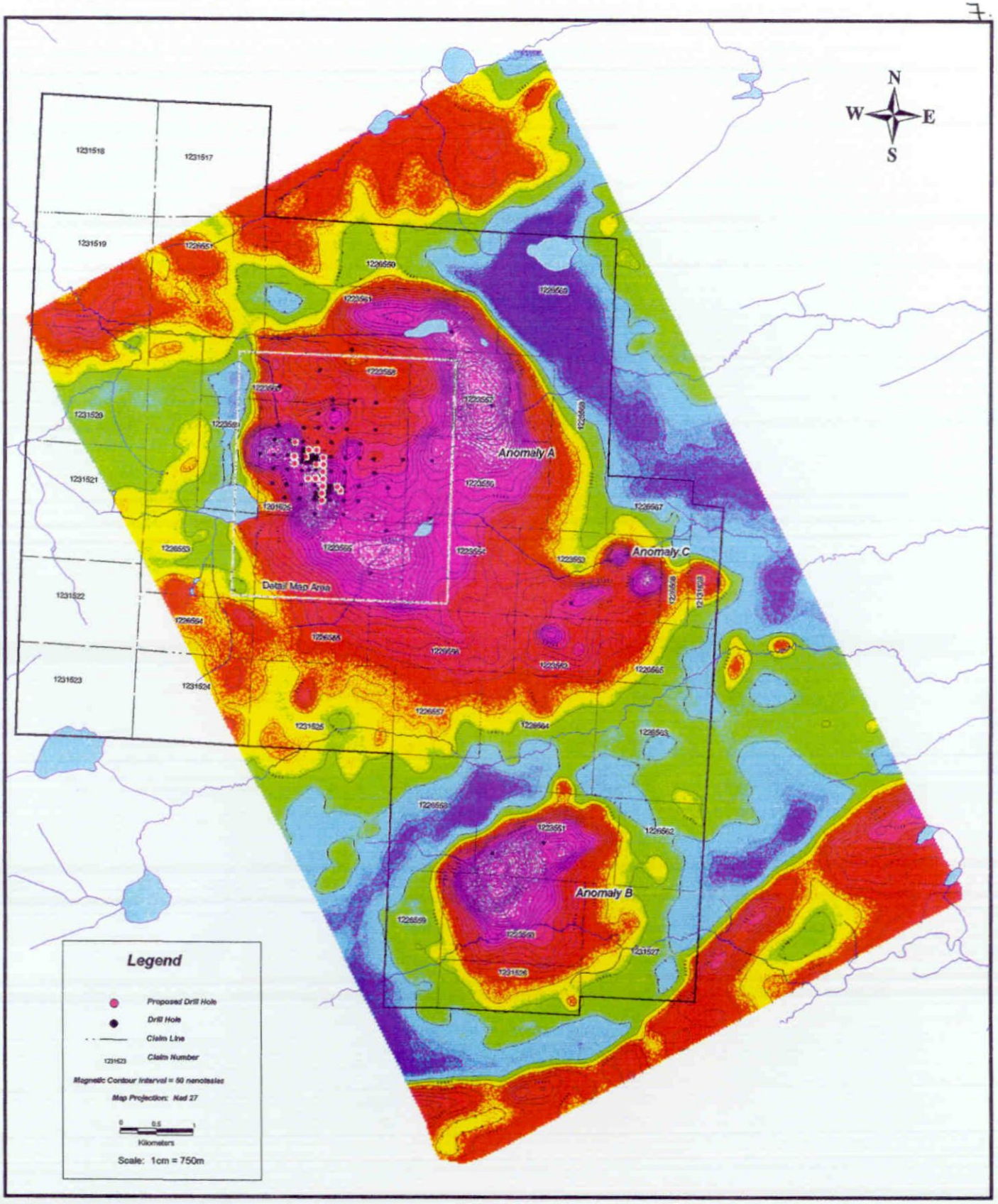
7. DIAMOND DRILLING

The diamond drill contractor was Norex Drilling Limited of South Porcupine, Ontario. Between February and April 1, 1772 meters of HQ diamond drill core were recovered in the winter program. The triple tube coring method, which was employed, proved to be effective in coring and recovering overburden, both soft and hard residuum, as well as the fresh carbonatite. This method was a significant improvement over earlier drill programs, which recorded poor core recovery and had other difficulties in testing the deeply weathered Martison ore zone.

This report documents the results for the final eight holes of the winter program together with assay data for all fourteen holes of the project. Drill holes M99-2 through M99-8 and hole CG-5 are plotted as figures 5 through 12 in this report. Drill logs, collar details and assay data for each drill hole are attached in Appendix A. The drill plan shown as figure 4 locates drill sites relative to claim lines, the property grid and many of the early drill sites. Figure 3 shows drill sites relative to the 1998 areomagnetic survey data; early drilling is in black and proposed new drilling sites, not all of which were tested, are shown in red.

8. CORE SPLITTING / ASSAYING

All core recovered on site, including the overburden, was placed in core trays, logged and photographed before being transported to Timmins for more detail logging and core splitting. The core was stored inside a Timmins warehouse and logged several times before being split and sent for analysis. The core was sampled at intervals that reflected geological sub-units in the residuum.



MARTISON PHOSPHATE PROJECT
AIRBORNE MAGNETIC SURVEY
Figure 3

Ed Korba prepared the core for analysis. In some cases the core was soft enough to be sampled with a spatula but typically the material was cut with a brick saw. Depending on the nature of the material and the type of analysis required the core was either quartered or split in half. Samples were then forwarded to Swastika Labs for sample preparation and sub samples of the same material were sent to three separate labs for test analysis using a variety of different assay methods. The result was that the joint venture selected Thorton Labs in Tampa, Florida for the project analysis. Thorton is well respected by the fertilizer industry and processed the samples using standard assay methods which have been proven over time by the Florida producers.

Results of the 1999 drill core assays are included in Appendix #1.

9. RECOMMENDATIONS / CONCLUSIONS

The 1999-drill program confirmed the grade and extent of the phosphate ore in the "A" zone on the western flank of the Martison Lake Carbonatite Complex. The "A" Zone was confirmed as an elongated northwest trending deposit which attains maximum depths in excess of 100 meters along the axis of the zone which is defined along a strike length of 1.3 kilometers. The deposit is open along strike in both directions and has excellent potential to be expanded.

The full potential for phosphate reserves within the limits of the carbonatite complex is poorly tested. To date less then 30% of the complex has yet been tested in even a preliminary fashion. Future exploration should continue to define the extent and depth of the "A" zone, as well as assess other magnetic features in the complex. Of particular interest is the "B" anomaly where only the two holes drilled on this large magnetic feature have both returned ore grade phosphate intercepts over significant widths.

9. REFERENCES

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STATEMENT OF QUALIFICATIONS

I, **GARTH A. PIERCE**, hereby certify:

1. I am a consulting geologist working for **BCLX Consulting Ltd.**; a private geological consulting business which I own. My business and personal address is ~ 40 Alline Street in Wolfville, Nova Scotia.

2. I am a graduate of **Mount Allison University**, Sackville, New Brunswick with the **Degree of Bachelor of Science-Geology Major---** 1974

3. I have been continually employed as a geologist since 1974; initially (1976) with the New Brunswick government; until 1993 with Noranda Minerals; and since 1993 managing my own consulting firm

4. I am a member of the **Prospectors and Developers Association of Canada.**

5. This report was written on behalf of MCK Mining Corp. and Baltic Resources Inc. BCLX is a shareholder of Baltic Resources Inc.. Through this association my company also received an option on the companies shares: this option was not exercised but is still active.

6. This report is based on my personal supervision of the described diamond drill program.

7. I was retained by the company to supervise the program and therefore consent to the use of this report by the company for assessment submissions.

Dated at Wolfville, Nova Scotia
December 13, 1999

Garth Pierce (B.Sc.)
BCLX Consulting Ltd

N
W E
S

2600E 2800E 3000E 3200E 3400E 3600E 3800E 4000E

8000N

CG-5
M99-3
M99-2
M99-6
CG-4
CG-4a
CG-3
M99-5
M99-8

7800N

M99-7
M99-4
CG-2

claim 1223558

7600N

claim 1223559

CG-1
M99-1

7400N

claim 1201625

7200N

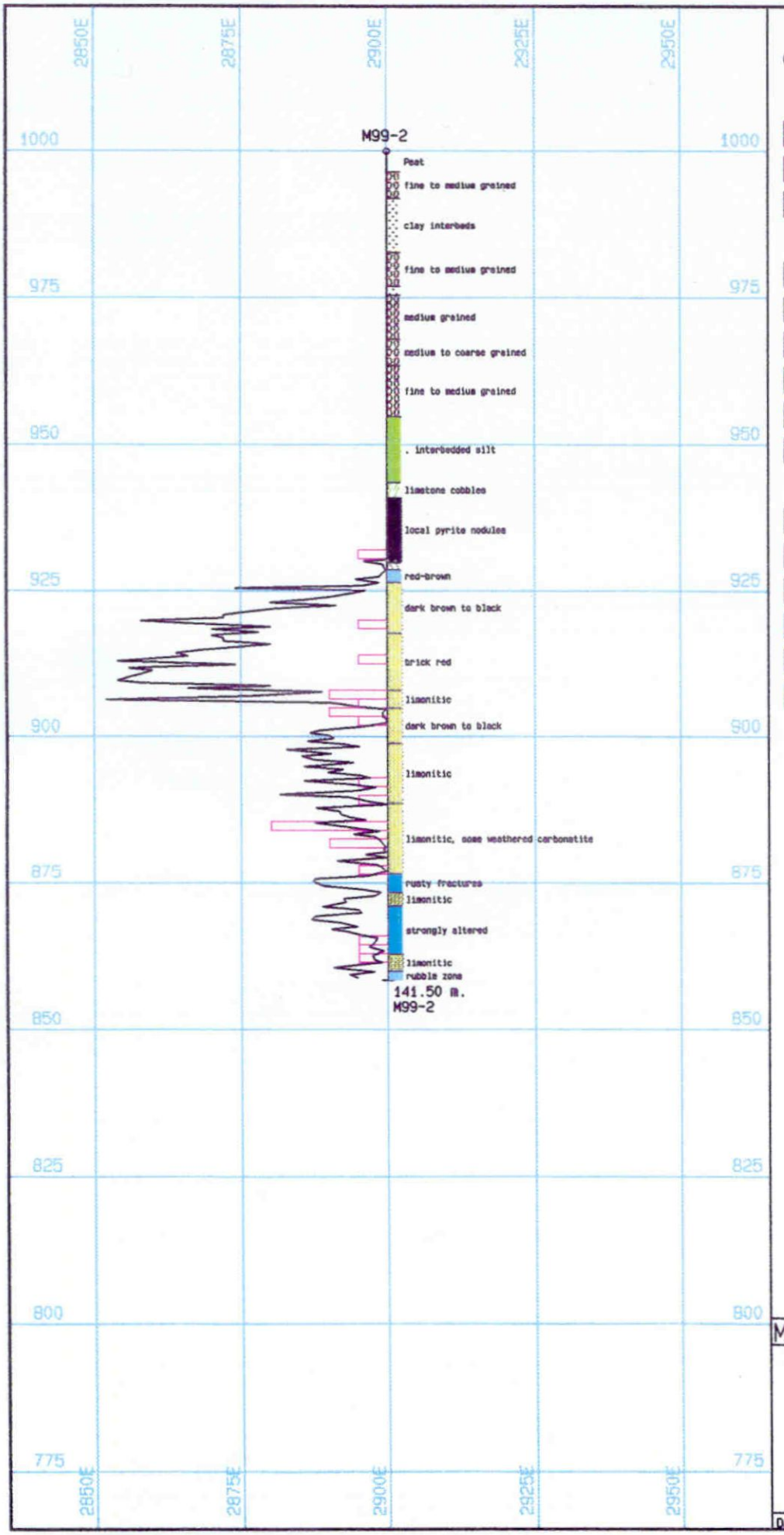
0 100 200
Meters

2400E 3000E 3200E 3400E 3600E

Baltic Resources Inc.

Martison Phoshpate Project
Drill Hole Location Plan
1999 Drill Program
Figure 4

Scale: 1:5,000 | *December, 1999*



Geological Legend:

GLACIAL DEPOSITS

- Till
- Clay
- Gravel

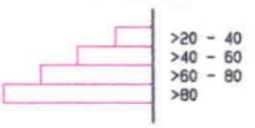
CRETACEOUS SEDIMENTS

- Silica Sand
- Marl
- Lignite
- Clay
- Conglomerate
- Reworked Residuum

MARTISON LAKE CARBONATITE

- Unconsolidated Residuum
- Cemented Secondary Phosphate Rock
- Leached, Altered Carbonatite
- Massive White Carbonatite
- Mafic-rich Carbonatite
- Carbonatite Breccia

% CORE LOSS



MAGNETIC SUSCEPTIBILITY
GRAPH: 1 cm = 5 units

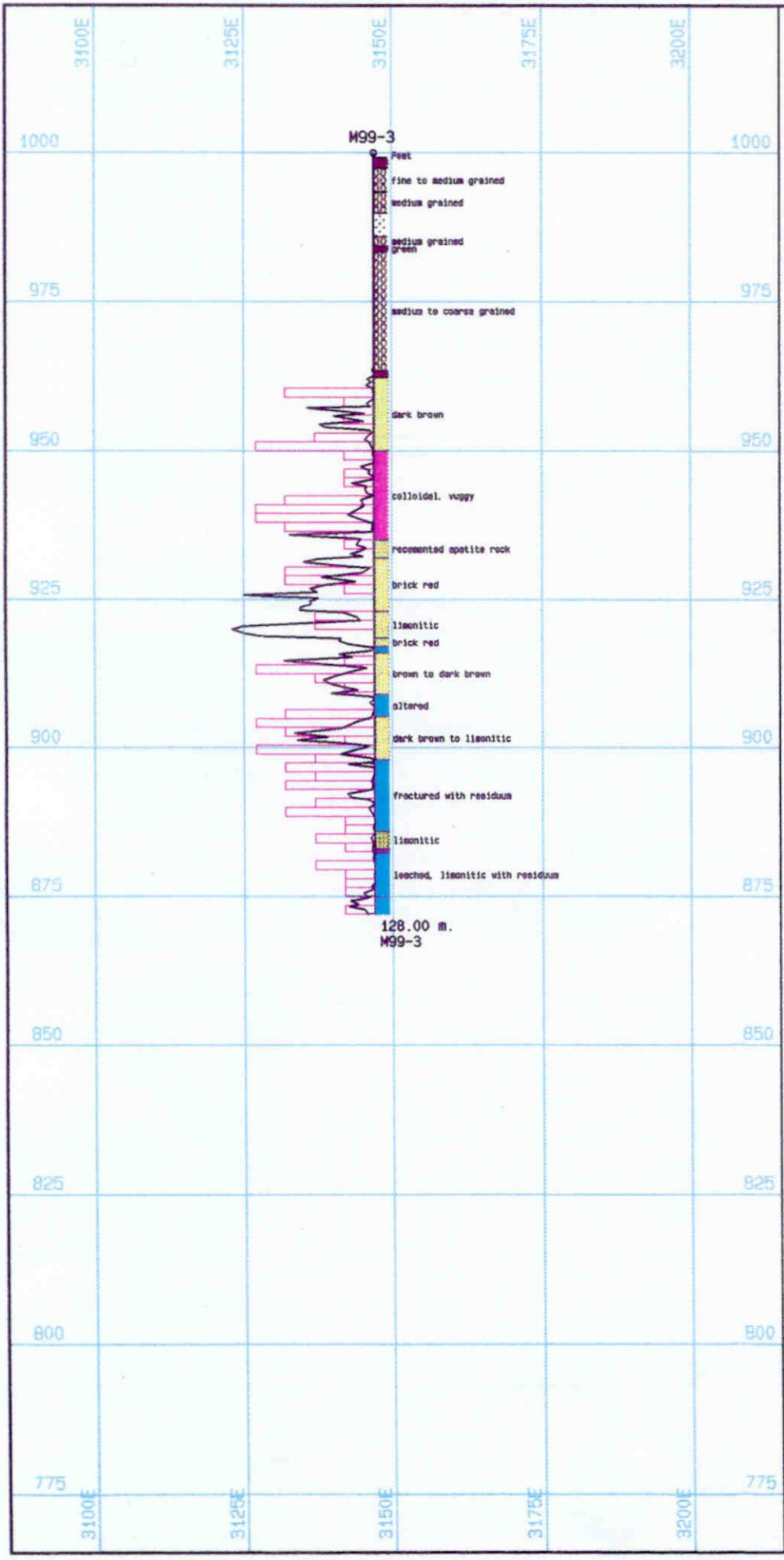
MARTISON JOINT VENTURE

MARTISON LAKE CARBONATITE

SECTION 8000N

HOLE M99-2
Figure 5

DATE: 99/04/13 | SCALE: 1/1000



Geological Legend:

GLACIAL DEPOSITS

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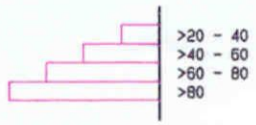
% CORE LOSS



MAGNETIC SUSCEPTIBILITY
GRAPH: 1 cm = 5 units

MARTISON JOINT VENTURE

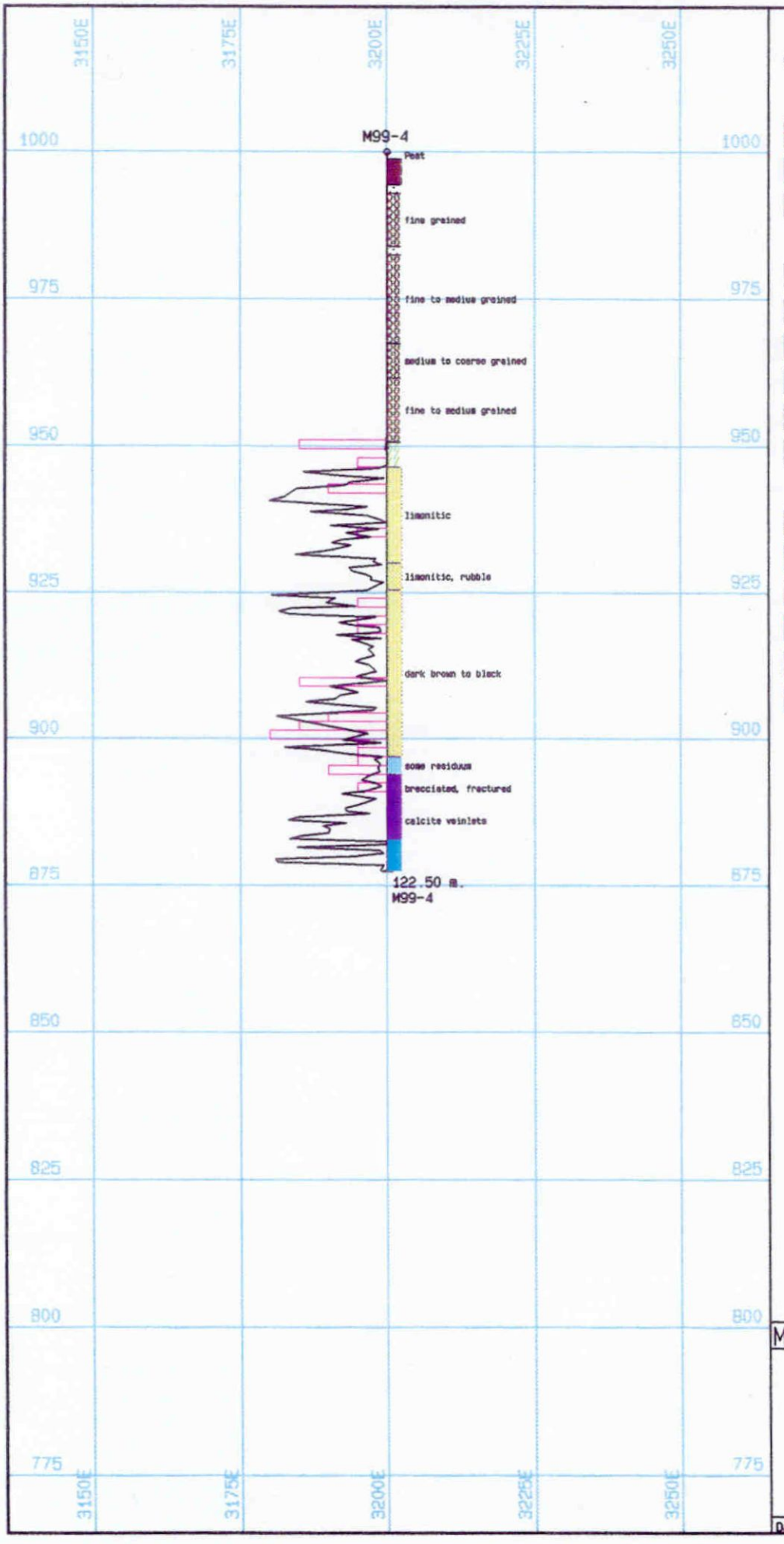
MARTISON LAKE CARBONATITE

SECTION 8100N

HOLE M99-3

Figure 6

DATE: 99/04/13 | SCALE: 1/1000



Geological Legend:

GLACIAL DEPOSITS

- Till
- Clay
- Gravel

CRETACEOUS SEDIMENTS

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- Marl
- Lignite
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- Conglomerate
- Reworked Residuum

MARTISON LAKE CARBONATITE

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- Mafic-rich Carbonatite
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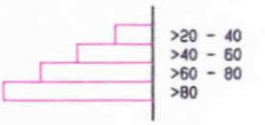
% CORE LOSS



MAGNETIC SUSCEPTIBILITY
GRAPH: 1 cm = 5 units

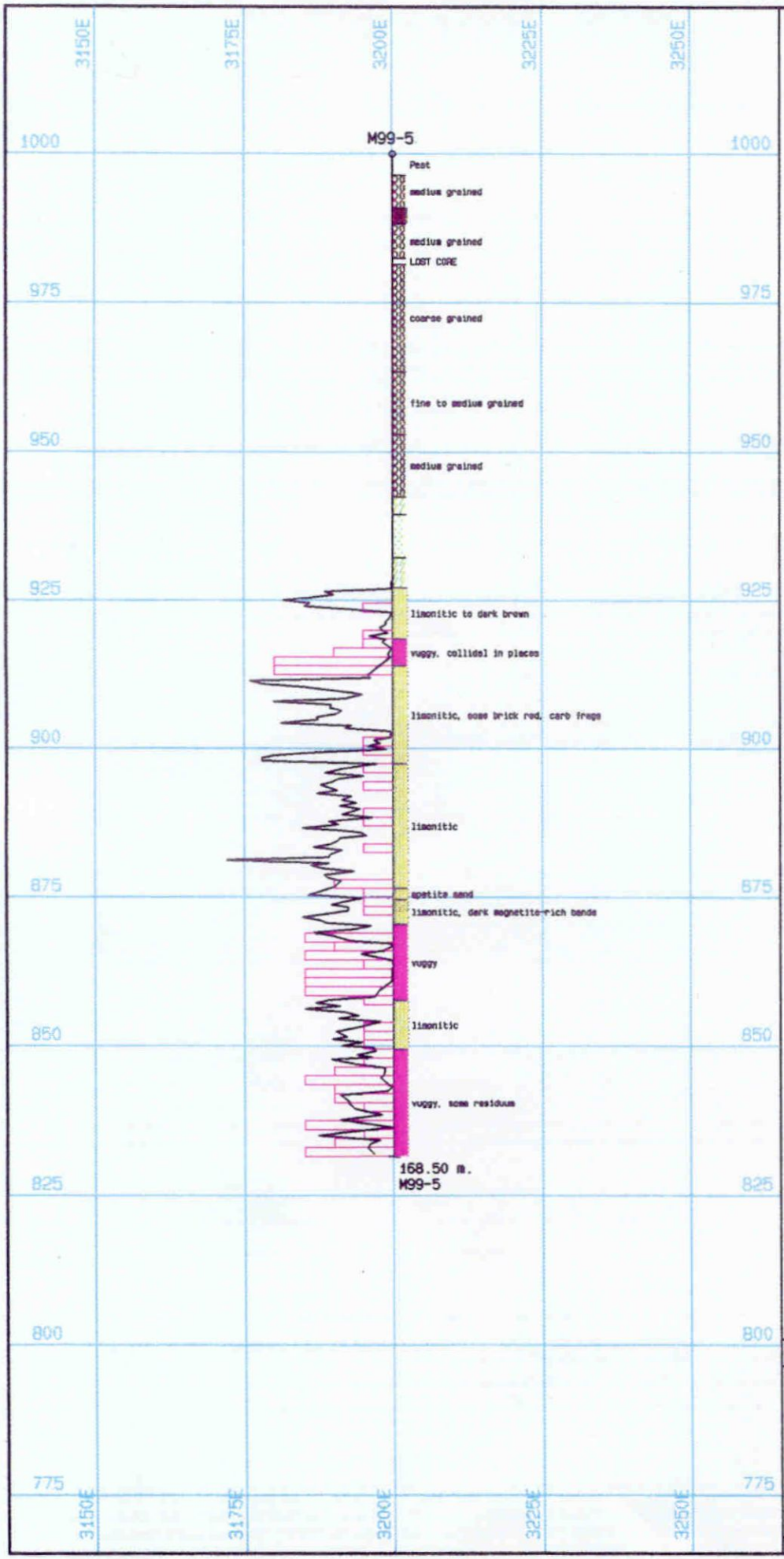
MARTISON JOINT VENTURE

MARTISON LAKE CARBONATITE

SECTION 7700N

HOLE M99-4
Figure 7

DATE: 99/04/13 | SCALE: 1/1000



Geological Legend:

GLACIAL DEPOSITS
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CRETACEOUS SEDIMENTS
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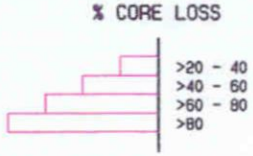

MAGNETIC SUSCEPTIBILITY
GRAPH: 1 cm = 5 units

MARTISON JOINT VENTURE

MARTISON LAKE CARBONATITE

SECTION 7800N

HOLE M99-5
Figure 8

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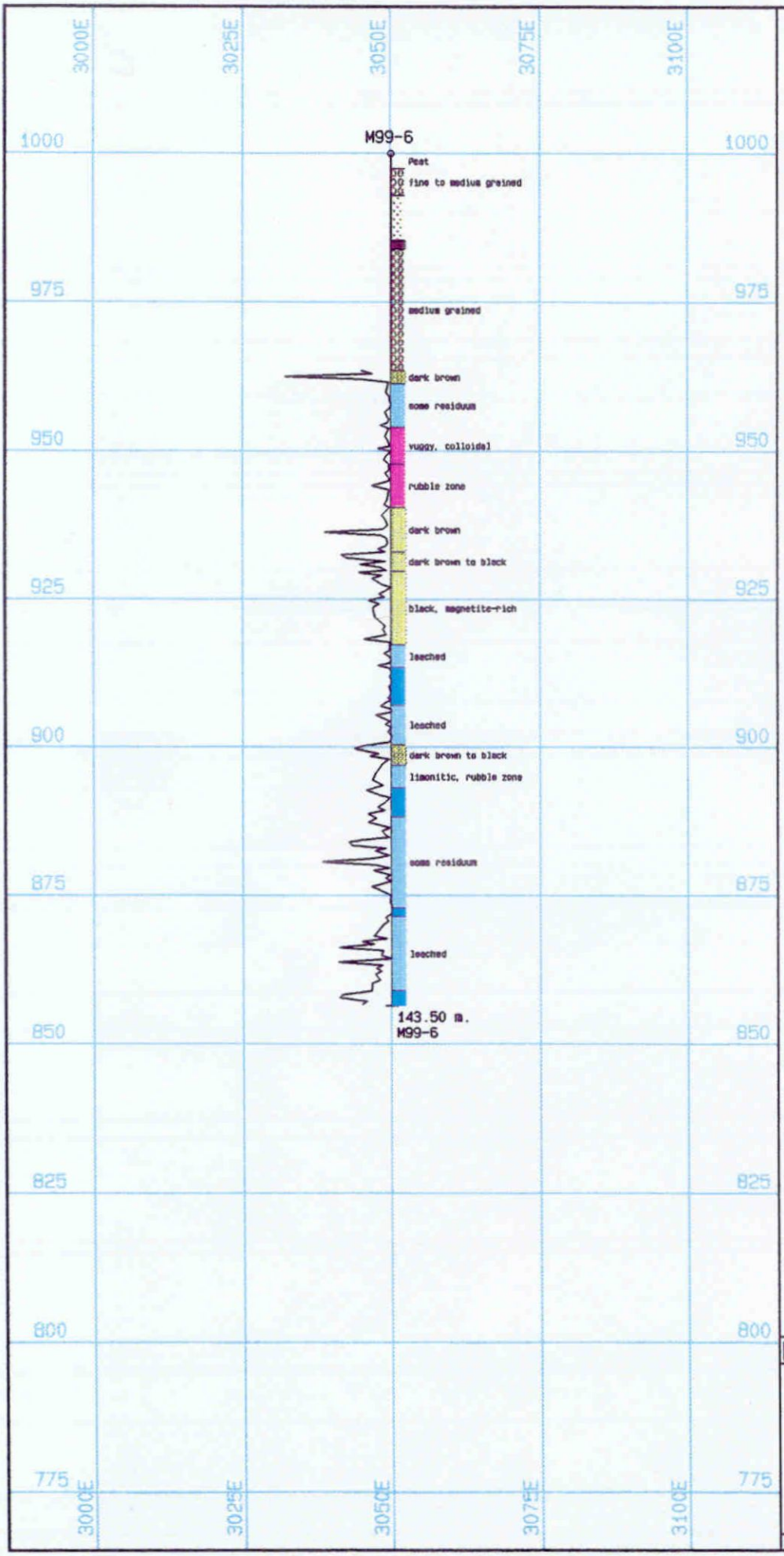

Geological Legend:

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MAGNETIC SUSCEPTIBILITY
GRAPH: 1 cm = 5 units

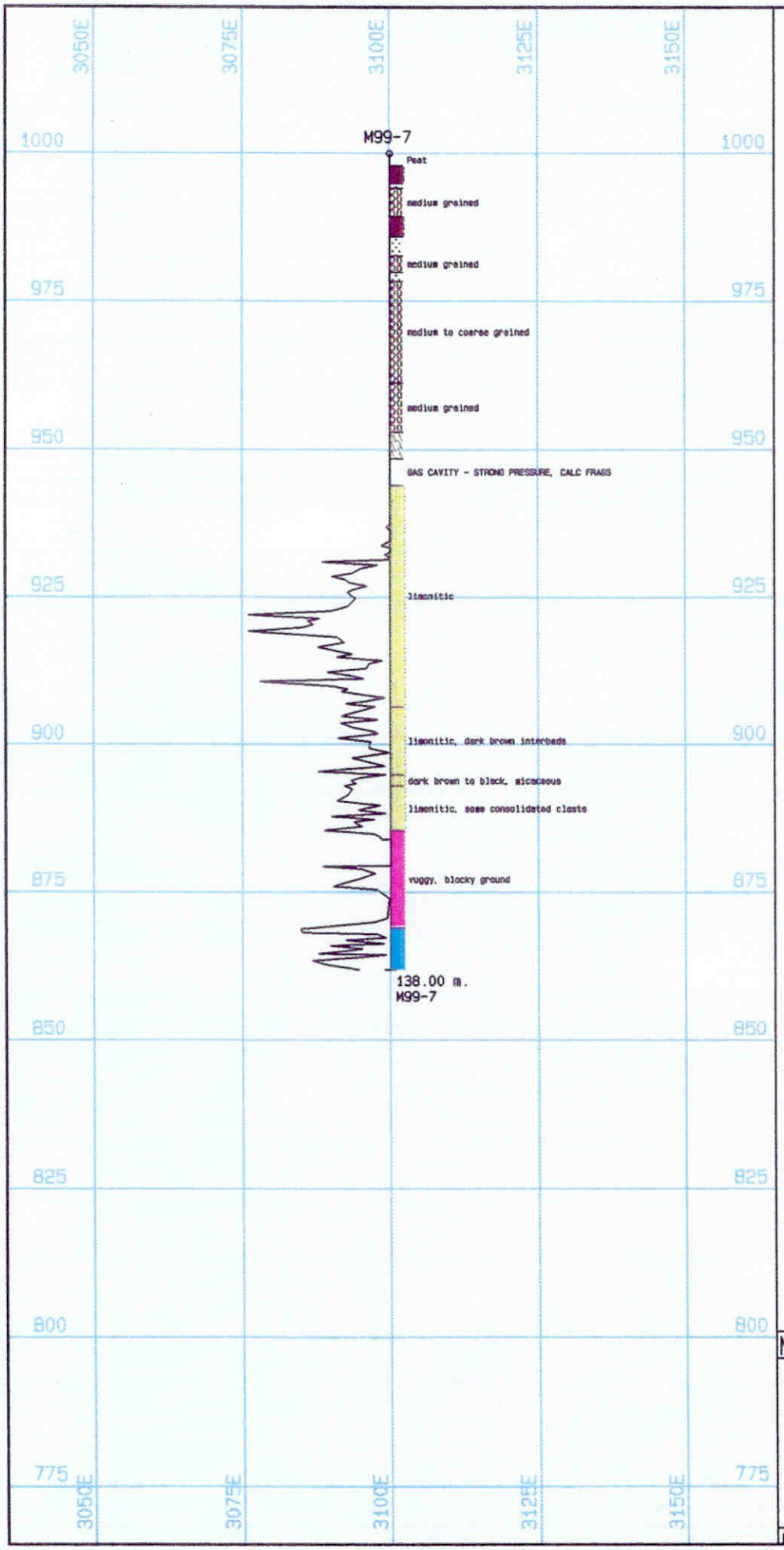
MARTISON JOINT VENTURE

MARTISON LAKE CARBONATITE

SECTION 8000N

HOLE M99-6
Figure 9

DATE: 99/04/14 | SCALE: 1/1000



Geological Legend:

GLACIAL DEPOSITS
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MAGNETIC SUSCEPTIBILITY
GRAPH: 1 cm = 5 units

MARTISON JOINT VENTURE

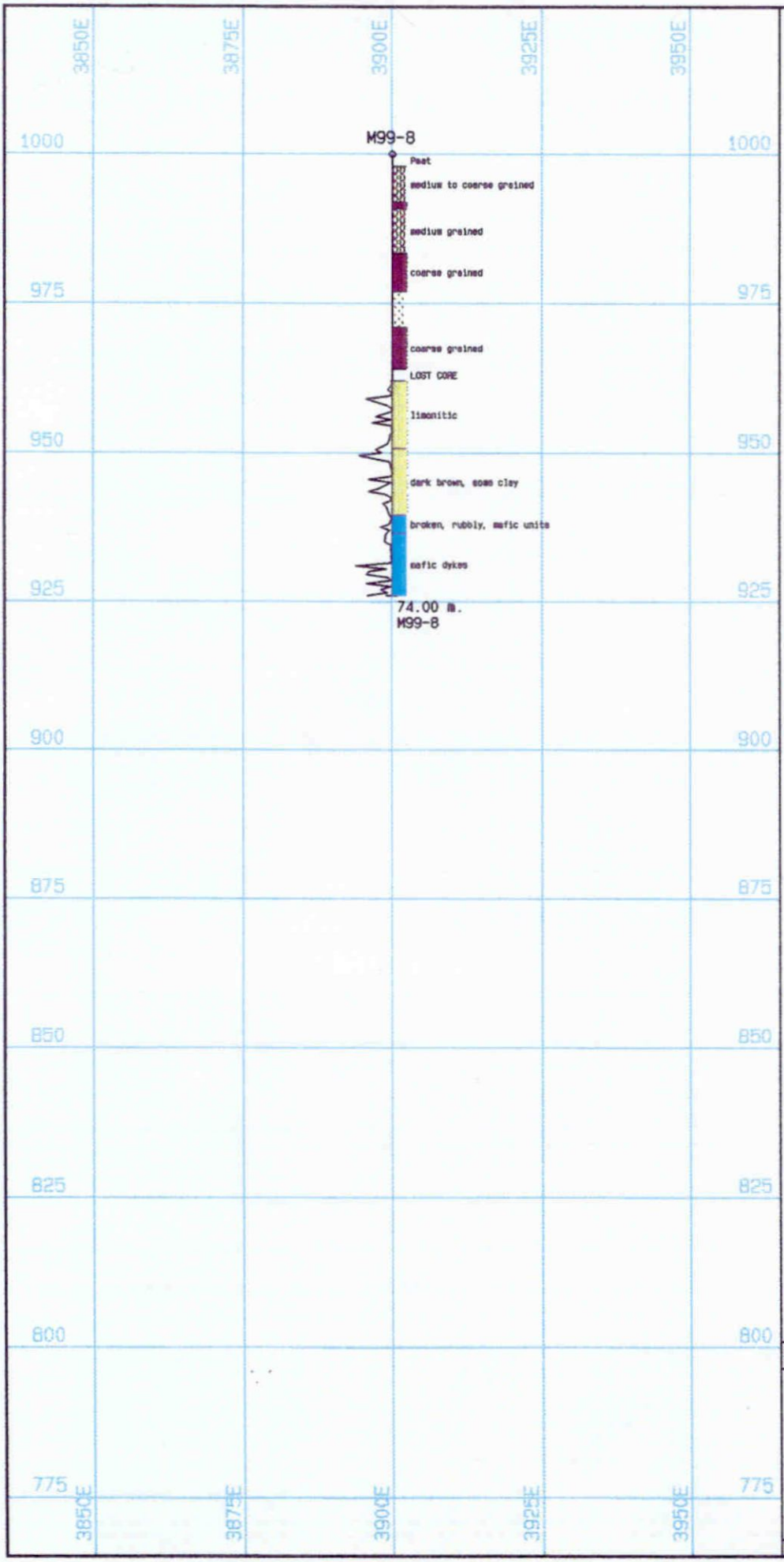
MARTISON LAKE CARBONATITE

SECTION 7700N

HOLE M99-7

Figure 10

DATE: 99/04/14 | SCALE: 1/1000



Geological Legend:

GLACIAL DEPOSITS

- Till
- Clay
- Gravel

CRETACEOUS SEDIMENTS

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MAGNETIC SUSCEPTIBILITY
GRAPH: 1 cm = 5 units

MARTISON JOINT VENTURE

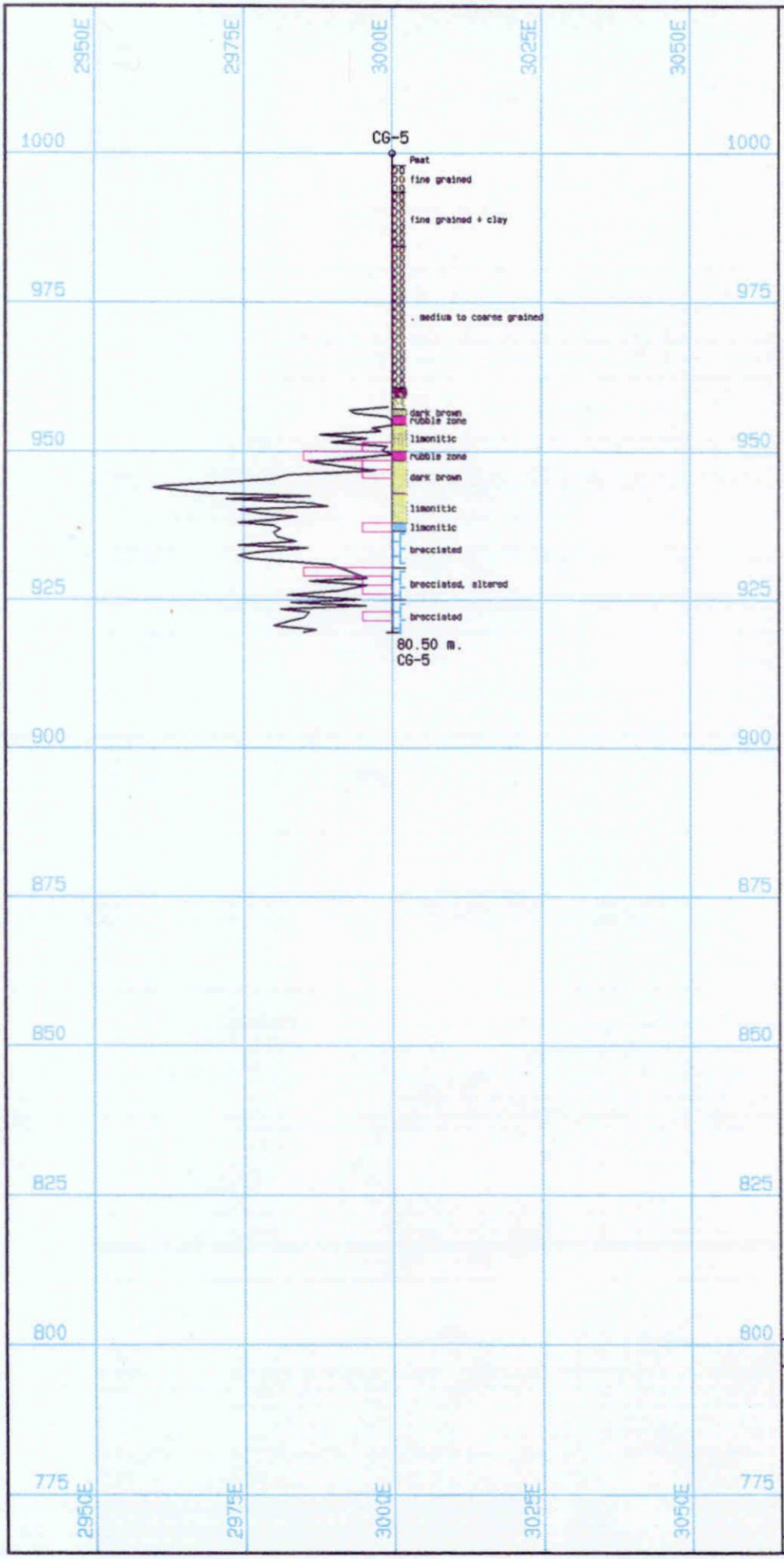
MARTISON LAKE CARBONATITE

SECTION 7800N

HOLE M99-8

Figure 11

DATE: 99/04/14 | SCALE: 1/1000



Geological Legend:

GLACIAL DEPOSITS
- Till
- Clay
- Gravel

CRETACEOUS SEDIMENTS
- Silica Sand
- Marl
- Lignite
- Clay
- Conglomerate
- Reworked Residuum

MARTISON LAKE CARBONATITE
- Unconsolidated Residuum
- Cemented Secondary Phosphate Rock
- Leached, Altered Carbonatite
- Massive White Carbonatite
- Mafic-rich Carbonatite
- Carbonatite Breccia

% CORE LOSS
- >20 - 40
- >40 - 60
- >60 - 80
- >80

MAGNETIC SUSCEPTIBILITY
GRAPH: 1 cm = 5 units

MARTISON JOINT VENTURE

MARTISON PHOSPHATE DEPOSIT

SECTION 8150N

HOLE CG-5
Figure 12

DATE: 99/04/07 | SCALE: 1/1000

APPENDIX A

MARTISON PROJECT

SUMMARY LITHO LOGS ; ASSAY DATA

PROPERTY: MARTISON LAKE

Hole	Eastings	Northings	Elevation	Units	Inclination	Depth
CG-1	3296.00	7500.00	1000.00	metres	-90.00	119.00
CG-2	3250.00	7600.00	1000.00	metres	-90.00	131.00
CG-3	3050.00	7850.00	1000.00	metres	-90.00	180.50
CG-4	3148.00	7953.00	1000.00	metres	-90.00	126.50
CG-4A	3146.00	7950.00	1000.00	metres	-90.00	68.50
CG-5	3000.00	8150.00	1000.00	metres	-90.00	80.50
M99-1	3256.00	7400.00	1000.00	metres	-90.00	144.50
M99-2	2900.00	8000.00	1000.00	metres	-90.00	141.50
M99-3	3147.00	8100.00	1000.00	metres	-90.00	128.00
M99-4	3200.00	7700.00	1000.00	metres	-90.00	122.50
M99-5	3200.00	7800.00	1000.00	metres	-90.00	168.50
M99-6	3050.00	8000.00	1000.00	metres	-90.00	143.50
M99-7	3100.00	7700.00	1000.00	metres	-90.00	138.00
M99-8	3900.00	7800.00	1000.00	metres	-90.00	74.00

** BORSURV SUMMARY LITHO LOG **

PROPERTY: MARTISON LAKE
HOLE NO: CG-1

FROM	TO	LITHOGICAL UNIT
0.00	33.17	4A
33.17	73.00	2B2
73.00	81.60	2C2
81.60	88.70	2C4
88.70	92.80	1D
92.80	111.70	2C5
111.70	119.00	2B2

SUMMARY LITHO LOGS

** BORSURV SUMMARY LITHO LOG **

PROPERTY: MARTISON LAKE
HOLE NO: CG-2

FROM	TO	LITHOGICAL UNIT
0.00	3.50	5
3.50	11.40	4A, medium grained
11.40	15.00	4B
15.00	20.00	4A, medium grained
20.00	24.50	4A, coarse grained
24.50	27.00	4A, fine to medium grained
27.00	29.30	4A, medium grained
29.30	30.50	4A, coarse grained
30.50	44.00	4A, medium grained
44.00	59.00	3E
59.00	68.60	2A1
68.60	78.50	2A2
78.50	89.20	2B2
89.20	96.80	2B1
96.80	103.20	2A2
103.20	106.70	1C
106.70	111.50	2B2
111.50	116.00	2C5
116.00	120.50	2A2
120.50	129.20	2B2
129.20	131.00	1A

** BORSURV SUMMARY LITHO LOG **

PROPERTY: MARTISON LAKE
HOLE NO: CG-3

FROM	TO	LITHOGICAL UNIT
0.00	3.50	5
3.50	7.00	4A, fine to medium grained
7.00	12.50	4A, medium to coarse grained
12.50	18.50	4A, fine to medium grained
18.50	30.50	4A, coarse grained
30.50	50.00	4A, medium to coarse grained
50.00	57.50	4A, medium grained
57.50	60.00	3B
60.00	77.00	3C
77.00	80.20	3B
80.20	130.00	3E, red
130.00	141.30	3E, brown
141.30	153.50	2B1
153.50	180.50	2B2

** BORSURV SUMMARY LITHO LOG **

PROPERTY: MARTISON LAKE
HOLE NO: CG-4

FROM	TO	LITHOGICAL UNIT
0.00	0.90	5
0.90	11.00	4A, medium to coarse grained
11.00	12.50	4A, boulders
12.50	34.00	4A, fine to medium grained
34.00	43.00	4A, medium to coarse grained
43.00	45.50	3F
45.50	50.00	2A2
50.00	52.50	2B1
52.50	57.40	2A2
57.40	75.00	2B2
75.00	78.50	2A1
78.50	81.50	2A2
81.50	83.00	2B2
83.00	84.50	2A1
84.50	88.00	2B1
88.00	90.50	2A1
90.50	107.00	2B2
107.00	110.00	2A1
110.00	119.00	2B2
119.00	120.50	2A1
120.50	126.50	1A

** BORSURV SUMMARY LITHO LOG **

PROPERTY: MARTISON LAKE
HOLE NO: CG-4A

FROM	TO	LITHOGICAL UNIT
0.00	0.50	5
0.50	8.50	4A
8.50	11.50	4A - boulders
11.50	44.50	4A
44.50	49.50	2A2
49.50	53.00	2B2
53.00	58.00	2A1
58.00	67.00	2B2
67.00	68.50	LOST CORE
68.50	68.50	ABANDONED, DRILL STEEL IN HOLE

** BORSURV SUMMARY LITHO LOG **

PROPERTY: MARTISON LAKE
HOLE NO: CG-5

FROM	TO	LITHOGICAL UNIT
0.00	2.00	5
2.00	6.50	4A, fine grained
6.50	15.50	4A, fine grained + clay
15.50	39.30	4A, medium to coarse grained
39.30	40.90	4B
40.90	42.90	3F
42.90	44.00	2A2
44.00	45.50	2B2
45.50	50.00	2A2
50.00	51.50	2B2
51.50	57.00	2A2
57.00	62.00	2A1
62.00	63.40	2C2
63.40	80.50	1C

** BORSURV SUMMARY LITHO LOG **

PROPERTY: MARTISON LAKE
HOLE NO: M99-2

FROM	TO	LITHOGICAL UNIT
0.00	3.50	5
3.50	8.00	4A, fine to medium grained
8.00	17.20	4C, clay interbeds
17.20	23.00	4A, fine to medium grained
23.00	24.50	4C
24.50	32.00	4A, medium grained
32.00	36.50	4A, medium to coarse grained
36.50	45.20	4A, fine to medium grained
45.20	59.00	3B, limstone cobbles
59.00	70.10	3C, local pyrite nodules
70.10	71.40	3F
71.40	101.00	3E
101.00	111.40	2A1
111.40	141.50	2B2

** BORSURV SUMMARY LITHO LOG **

PROPERTY: MARTISON LAKE
HOLE NO: M99-4

FROM	TO	LITHOGICAL UNIT
0.00	1.10	5
1.10	5.50	4B
5.50	7.00	4C
7.00	16.00	4A, fine grained
16.00	17.50	4C
17.50	32.50	4A, fine to medium grained
32.50	38.50	4A, medium to coarse grained
38.50	49.30	4A, fine to medium grained
49.30	53.50	3B
53.50	55.50	3E
55.50	74.50	2A1
74.50	95.50	2A3
95.50	106.00	2B2
106.00	110.80	2C4
110.80	117.00	1B
117.00	122.50	1A

** BORSURV SUMMARY LITHO LOG **

PROPERTY: MARTISON LAKE
HOLE NO: M99-6

FROM	TO	LITHOGICAL UNIT
0.00	2.50	5
2.50	7.00	4A, fine to medium grained
7.00	14.50	4C
14.50	16.00	4B
16.00	36.50	4A, medium grained
36.50	40.40	3F
40.40	61.00	2B1
61.00	70.30	2C2
70.30	79.80	2B2
79.80	103.00	2C4
103.00	106.80	2B1
106.80	111.70	1A
111.70	140.90	2C4
140.90	143.50	1A

** BORSURV SUMMARY LITHO LOG **

PROPERTY: MARTISON LAKE
HOLE NO: M99-8

FROM	TO	LITHOGICAL UNIT
0.00	2.00	5
2.00	8.00	4A, medium to coarse grained
8.00	9.10	4B
9.10	16.50	4A, medium grained
16.50	23.00	4B, coarse grained
23.00	29.00	4C
29.00	36.00	4B, coarse grained
36.00	38.00	LOST CORE
38.00	49.30	2A2
49.30	60.50	2A3
60.50	74.00	1B

** BORSURV ASSAY LOG **

PROPERTY: MARTISON LAKE
HOLE No.: CG-2

FROM	TO	WIDTH	%P2O5	%Fe2O3	%Al2O3	%CaO	%MgO	%A_insol
44.30	51.50	7.20	9.80	32.76	10.07	4.06	0.73	15.40
51.50	59.00	7.50	9.40	35.77	9.99	3.05	0.74	13.30
59.00	65.00	6.00	26.30	19.03	5.58	30.35	0.57	3.60
65.00	72.50	7.50	31.90	12.20	3.11	40.07	0.45	1.20
72.50	78.50	6.00	35.00	7.81	2.52	44.26	0.35	0.60
78.50	83.00	4.50	28.10	11.72	7.17	32.36	0.53	5.50
83.00	86.00	3.00	35.80	6.65	1.02	47.39	0.48	0.40
86.00	89.20	3.20	36.10	5.92	0.58	48.27	0.41	0.50
89.20	96.80	7.60	38.90	1.94	0.32	51.32	0.27	0.20
96.80	103.40	6.60	19.30	12.95	4.31	27.47	6.48	14.00
103.40	106.70	3.30	3.90	6.73	1.50	43.53	3.20	7.10
106.70	111.50	4.80	10.80	14.15	4.69	25.61	8.54	16.80
111.50	116.00	4.50	4.50	9.84	4.81	25.24	9.43	23.70
116.00	120.50	4.50	16.00	13.47	5.51	23.80	9.44	18.70
120.50	129.80	9.30	21.30	10.65	4.27	31.43	7.02	12.60
129.80	131.00	1.20	3.30	5.30	0.75	44.93	4.28	3.30

** BORSURV SUMMARY LITHO LOG **

PROPERTY: MARTISON LAKE
HOLE NO: M99-7

FROM	TO	LITHOGICAL UNIT
0.00	2.00	5
2.00	5.00	4B
5.00	5.80	4C
5.80	10.60	4A, medium grained
10.60	14.00	4B
14.00	17.20	4C
17.20	20.00	4A, medium grained
20.00	21.50	4C
21.50	38.70	4A, medium to coarse grained
38.70	47.00	4A, medium grained
47.00	51.50	3F
51.50	56.00	GAS CAVITY
56.00	93.50	2A1
93.50	107.00	2A2
107.00	114.50	2A1
114.50	131.00	2B2
131.00	138.00	1A

** BORSURV SUMMARY LITHO LOG **

PROPERTY: MARTISON LAKE
HOLE NO: M99-5

FROM	TO	LITHOGICAL UNIT
0.00	3.50	5
3.50	9.00	4A, medium grained
9.00	11.70	4B
11.70	17.50	4A, medium grained
17.50	18.50	LOST CORE
18.50	36.50	4A, coarse grained
36.50	47.00	4A, fine to medium grained
47.00	57.50	4A, medium grained
57.50	60.50	3B
60.50	67.80	3A
67.80	72.80	3B
72.80	76.20	2A2
76.20	81.50	2B2
81.50	86.00	2B1
86.00	102.50	2A2, red dykes?
102.50	123.50	2A1
123.50	129.50	2A3
129.50	142.30	2B2
142.30	150.50	2A1
150.50	168.50	2B2

** BORSURV SUMMARY LITHO LOG **

PROPERTY: MARTISON LAKE
HOLE NO: M99-3

FROM	TO	LITHOGICAL UNIT
0.00	0.70	5
0.70	2.60	4B
2.60	6.50	4A, fine to medium grained
6.50	10.00	4A, medium grained
10.00	14.00	4C
14.00	15.50	4A, medium grained
15.50	16.50	4B, green
16.50	36.50	4A, medium to coarse grained
36.50	37.70	4B
37.70	50.00	3F
50.00	65.00	2B1
65.00	82.90	2A2
82.90	83.90	1A
83.90	91.00	2A2
91.00	94.60	1D
94.60	102.00	2A2
102.00	114.00	1A
114.00	125.00	2C4
125.00	128.00	1A

** BORSURV SUMMARY LITHO LOG **

PROPERTY: MARTISON LAKE
HOLE NO: M99-1

FROM	TO	LITHOGICAL UNIT
0.00	31.25	4A
31.25	32.40	2A1
32.40	35.00	2B1
35.00	45.70	2B2
45.70	47.40	2B1
47.40	49.90	2A2
49.90	62.20	2B2
62.20	79.50	2A1
79.50	81.50	2B2
81.50	90.50	2A1
90.50	99.40	2B2
99.40	105.50	2A1
105.50	107.00	2B2
107.00	122.75	1A
122.75	132.50	2B2
132.50	136.00	1D
136.00	138.60	1A
138.60	143.50	2A1
143.50	144.50	1A

ASSAY DATA

** BORSURV ASSAY LOG **

PROPERTY: MARTISON LAKE
HOLE No.: CG-1

FROM	TO	WIDTH	%P2O5	%Fe2O3	%Al2O3	%CaO	%MgO	%A_insol
33.20	37.00	3.80	23.80	15.50	8.28	25.64	0.54	4.90
37.00	42.80	5.80	35.30	4.76	1.85	47.16	0.24	0.90
42.80	45.90	3.10	36.30	3.48	1.42	48.81	0.38	1.30
45.90	50.30	4.40	38.03	1.79	0.34	51.43	0.15	0.20
50.30	54.20	3.90	31.89	7.33	5.53	38.50	0.74	1.20
54.20	59.00	4.80	33.50	6.24	2.84	43.85	0.66	2.30
59.00	65.00	6.00	23.10	10.62	5.68	30.55	1.70	16.40
65.00	70.00	5.00	34.10	4.97	1.36	47.72	0.45	1.50
70.00	73.00	3.00	27.18	8.94	3.23	38.20	2.75	6.10
73.00	77.00	4.00	7.92	15.02	6.96	11.13	10.67	30.70
77.00	81.60	4.60	7.50	13.33	7.81	10.03	11.19	30.80
81.60	84.80	3.20	3.48	8.08	3.29	32.58	6.95	15.50
84.80	88.70	3.90	3.20	6.86	3.21	34.46	6.47	17.40
88.70	92.00	3.30	4.30	7.50	2.06	39.06	4.32	9.50
92.00	99.20	7.20	19.20	11.65	2.39	32.18	3.47	15.60
99.20	105.70	6.50	18.40	11.02	1.87	33.71	2.83	11.30
105.70	113.00	7.30	20.23	13.81	2.56	30.33	3.93	14.10
113.00	117.50	4.50	31.62	6.08	0.96	44.16	0.91	3.50
117.50	119.00	1.50	11.07	18.79	6.24	14.52	13.15	21.30

** BORSURV ASSAY LOG **

PROPERTY: MARTISON LAKE
HOLE No.: CG-3

FROM	TO	WIDTH	%P2O5	%Fe2O3	%Al2O3	%CaO	%MgO	%A_insol
80.00	87.00	7.00	9.32	27.69	11.42	3.92	0.43	22.86
87.00	96.50	9.50	8.38	40.11	11.13	4.78	1.07	21.07
96.50	103.00	6.50	3.99	44.49	12.98	1.00	0.71	20.82
103.00	108.50	5.50	3.78	7.89	11.96	0.76	0.45	21.91
108.50	117.50	9.00	5.90	3.29	9.76	1.57	0.78	20.21
117.50	123.50	6.00	9.86	31.70	12.01	3.58	0.41	17.87
123.50	131.00	7.50	7.90	36.01	9.51	2.62	0.57	17.09
131.00	140.00	9.00	6.87	42.46	6.98	3.18	0.89	11.28
140.00	148.00	8.00	30.12	14.04	2.59	41.23	0.53	3.45
148.00	152.50	4.50	35.27	6.49	0.61	48.29	0.35	1.30
152.50	161.30	8.80	26.30	15.25	2.62	36.38	1.29	8.04
161.30	167.00	5.70	25.73	14.07	3.12	35.34	1.32	7.84
167.00	174.50	7.50	19.95	18.17	4.06	26.90	3.83	14.43
174.50	180.00	5.50	28.65	11.41	2.64	38.07	1.23	4.62

** BORSURV ASSAY LOG **

PROPERTY: MARTISON LAKE
HOLE No.: CG-4

FROM	TO	WIDTH	%P2O5	%Fe2O3	%Al2O3	%CaO	%MgO	%A_insol
43.00	45.50	2.50	19.52	14.41	4.70	25.41	3.14	17.28
45.50	50.20	4.70	10.73	26.81	9.55	5.01	0.59	28.56
50.20	52.10	1.90	33.90	6.50	1.70	44.36	0.21	2.18
52.10	57.50	5.40	25.35	13.66	5.44	30.06	0.50	10.84
57.50	62.50	5.00	34.19	4.44	2.01	44.69	0.20	5.82
62.50	69.50	7.00	34.83	4.10	1.80	47.38	0.21	2.38
69.50	75.00	5.50	34.21	4.60	1.14	48.11	0.30	0.96
75.00	81.50	6.50	24.84	7.86	0.88	44.32	1.82	1.42
81.50	84.50	3.00	32.75	8.71	1.05	44.74	0.77	1.76
84.50	87.70	3.20	32.34	6.81	1.13	47.18	0.47	1.05
87.70	96.50	8.80	30.81	12.24	1.28	41.80	0.91	1.70
96.50	106.00	9.50	32.55	8.71	0.76	45.14	0.73	0.74
106.00	113.00	7.00	32.40	10.64	1.18	43.77	0.78	3.26
113.00	120.50	7.50	31.17	10.98	1.47	43.60	1.10	2.20
120.50	123.50	3.00	32.92	7.90	0.84	45.84	0.75	1.34
123.50	126.50	3.00	3.67	2.24	0.46	47.15	3.42	1.59

** BORSURV ASSAY LOG **

PROPERTY: MARTISON LAKE
HOLE No.: CG-5

FROM	TO	WIDTH	%P2O5	%Fe2O3	%Al2O3	%CaO	%MgO	%A_insol
42.90	44.40	1.50	17.14	21.96	4.18	22.63	1.62	13.62
44.40	51.50	7.10	23.95	18.26	3.23	31.93	1.09	6.63
51.50	56.00	4.50	14.57	22.23	3.40	21.70	5.09	17.91
56.00	63.20	7.20	15.72	26.54	3.97	21.73	3.60	13.80
63.20	69.50	6.30	4.92	12.82	1.94	30.40	8.86	14.95
69.50	75.00	5.50	4.10	10.01	1.50	36.05	4.17	11.23
75.00	80.50	5.50	4.61	11.11	1.83	34.54	5.57	12.10

** BORSURV ASSAY LOG **

PROPERTY: MARTISON LAKE
HOLE No.: M99-1

FROM	TO	WIDTH	%P2O5	%Fe2O3	%Al2O3	%CaO	%MgO	%A_insol
31.25	32.50	1.25	17.29	23.32	10.13	16.15	0.58	14.46
32.50	36.00	3.50	32.72	9.10	1.68	44.69	0.69	2.51
36.00	39.50	3.50	12.30	18.48	4.25	15.82	0.98	32.11
39.50	44.00	4.50	15.90	16.05	4.78	21.05	1.86	27.16
44.00	46.00	2.00	21.76	13.84	4.85	28.37	2.46	14.77
46.00	47.00	1.00	36.52	2.42	0.53	51.09	0.29	0.54
47.00	51.50	4.50	16.10	14.23	5.45	22.35	4.56	22.92
51.50	57.00	5.50	13.06	13.88	5.85	18.37	8.00	25.25
57.00	62.00	5.00	18.78	13.14	4.69	26.88	6.37	16.01
62.00	66.50	4.50	8.96	13.65	6.97	14.53	9.84	29.27
66.50	71.40	4.90	14.99	12.53	5.71	22.03	9.00	21.87
71.40	76.60	5.20	6.40	13.16	7.23	9.81	10.03	36.01
76.60	80.50	3.90	16.29	12.52	5.75	23.83	6.22	21.28
80.50	86.00	5.50	9.21	16.85	6.88	13.19	11.11	26.46
86.00	90.50	4.50	9.79	14.16	6.54	13.43	11.22	29.32
90.50	96.50	6.00	30.34	4.80	1.45	43.97	1.73	7.56
96.50	101.00	4.50	12.16	13.35	6.44	16.65	12.08	23.10
101.00	107.00	6.00	15.18	14.06	4.39	23.28	7.13	22.47
107.00	113.00	6.00	7.00	2.71	0.45	48.26	1.91	1.50
113.00	117.00	4.00	5.60	3.08	0.21	49.31	1.36	0.62
117.00	123.00	6.00	6.40	3.39	0.35	47.80	1.51	1.44
123.00	128.00	5.00	27.57	9.46	1.00	42.43	1.57	4.15
128.00	131.00	3.00	28.84	7.00	1.56	42.17	3.13	6.11
131.00	135.50	4.50	9.06	8.64	1.15	40.64	2.99	8.19
135.50	138.80	3.30	5.69	1.90	0.26	49.00	1.61	1.07
138.80	143.00	4.20	16.83	7.99	1.83	39.58	3.20	6.71
143.00	144.50	1.50	12.42	5.48	0.12	50.17	1.51	0.85

** BORSURV ASSAY LOG **

PROPERTY: MARTISON LAKE
HOLE No.: M99-2

FROM	TO	WIDTH	%P2O5	%Fe2O3	%Al2O3	%CaO	%MgO	%A_insol
67.00	70.20	3.20	7.66	15.35	9.88	6.97	0.09	N.A.
70.20	73.60	3.40	5.15	33.29	9.78	2.94	0.18	N.A.
73.60	75.50	1.90	7.43	33.91	16.38	3.37	0.22	N.A.
75.50	78.50	3.00	5.62	37.83	17.82	2.72	0.30	N.A.
78.50	80.60	2.10	4.78	2.06	17.03	2.42	0.15	N.A.
80.60	82.20	1.60	4.69	44.82	15.20	14.73	0.26	N.A.
82.20	84.00	1.80	5.22	50.15	13.39	2.54	0.26	N.A.
84.00	86.00	2.00	5.77	50.80	9.77	2.90	0.64	N.A.
86.00	88.50	2.50	7.43	51.09	10.25	3.89	0.74	N.A.
88.50	91.00	2.50	7.31	54.54	9.09	3.24	0.90	N.A.
91.00	92.00	1.00	10.07	48.92	11.83	5.14	0.56	N.A.
92.00	95.00	3.00	2.56	56.25	2.83	1.43	0.63	N.A.
95.00	98.00	3.00	2.99	39.33	3.55	11.92	0.40	N.A.
98.00	100.00	2.00	6.52	41.91	7.04	7.95	0.34	N.A.
100.00	102.50	2.50	11.52	36.70	12.83	9.13	0.35	N.A.
102.50	105.00	2.50	12.80	37.07	13.87	5.21	0.37	N.A.
105.00	107.50	2.50	12.34	36.01	13.19	5.37	0.36	N.A.
107.50	110.00	2.50	10.56	39.60	9.89	4.15	0.44	N.A.
110.00	112.50	2.50	24.39	22.71	6.37	29.59	0.38	N.A.
112.50	115.00	2.50	22.35	24.95	6.78	25.17	0.43	N.A.
115.00	117.50	2.50	17.53	21.76	6.44	22.01	0.83	N.A.
117.50	120.00	2.50	21.35	16.00	8.32	24.83	0.56	N.A.
120.00	123.70	3.70	23.65	12.88	8.11	27.54	0.57	N.A.
123.70	125.50	1.80	31.67	1.17	2.43	41.87	1.03	N.A.
125.50	128.00	2.50	25.40	1.27	6.61	31.46	0.89	N.A.
128.00	131.00	3.00	23.13	13.93	5.75	30.36	1.12	N.A.
131.00	134.00	3.00	23.03	13.88	7.04	26.51	0.75	N.A.
134.00	135.50	1.50	22.76	9.53	8.44	26.49	0.87	N.A.
135.50	138.50	3.00	30.51	9.81	2.92	38.82	0.46	N.A.
138.50	141.50	3.00	20.20	15.05	6.52	23.90	0.72	N.A.

** BORSURV ASSAY LOG **

PROPERTY: MARTISON LAKE
HOLE No.: M99-3

FROM	TO	WIDTH	%P2O5	%Fe2O3	%Al2O3	%CaO	%MgO	%A_insol
37.70	41.00	3.30	9.46	33.95	9.26	27.27	0.38	N.A.
41.00	43.50	2.50	9.26	39.06	9.71	5.86	0.55	N.A.
43.50	46.20	2.70	4.43	43.41	3.10	12.33	0.83	N.A.
46.20	50.00	3.80	28.08	5.87	3.29	37.01	0.37	N.A.
50.00	52.30	2.30	33.39	5.63	4.00	42.53	0.19	N.A.
52.30	54.00	1.70	34.66	5.59	0.76	47.69	0.29	N.A.
54.00	57.00	3.00	34.92	4.49	0.92	48.45	0.31	N.A.
57.00	60.50	3.50	34.17	5.29	1.20	47.17	0.25	N.A.
60.50	63.50	3.00	33.35	6.81	0.76	46.76	0.23	N.A.
63.50	65.00	1.50	34.18	12.14	0.70	48.63	0.21	N.A.
65.00	68.00	3.00	29.06	15.20	2.28	39.24	0.35	N.A.
68.00	69.50	1.50	22.28	18.80	6.01	31.11	0.85	N.A.
69.50	72.80	3.30	32.64	8.44	1.49	46.17	0.26	N.A.
72.80	75.00	2.20	10.69	29.48	11.49	10.02	1.57	N.A.
75.00	77.00	2.00	7.64	29.11	12.42	6.31	1.76	N.A.
77.00	80.00	3.00	24.58	24.11	2.90	34.76	1.48	N.A.
80.00	82.90	2.90	13.10	24.50	8.16	16.75	2.51	N.A.
82.90	84.00	1.10	5.05	3.51	0.23	49.06	2.63	N.A.
84.00	87.50	3.50	20.42	18.66	5.39	29.54	1.93	N.A.
87.50	91.00	3.50	22.06	21.03	3.55	30.18	2.95	N.A.
91.00	95.00	4.00	3.55	2.02	0.24	40.71	10.32	N.A.
95.00	98.00	3.00	27.85	13.26	2.33	39.18	3.10	N.A.
98.00	101.20	3.20	18.47	15.26	4.26	29.16	5.80	N.A.
101.20	106.80	5.60	10.09	4.83	0.37	45.26	6.01	N.A.
106.80	111.50	4.70	6.46	2.57	0.11	46.08	5.96	N.A.
111.50	114.60	3.10	4.19	2.45	0.11	40.33	10.89	N.A.
114.60	116.90	2.30	5.73	8.58	2.72	26.13	7.72	N.A.
116.90	119.00	2.10	5.94	5.46	1.54	43.51	5.17	N.A.
119.00	121.50	2.50	2.78	2.78	0.08	40.59	11.03	N.A.
121.50	125.00	3.50	4.04	5.74	2.30	38.59	5.90	N.A.
125.00	128.00	3.00	8.67	3.92	0.14	46.49	5.19	N.A.

** BORSURV ASSAY LOG **

PROPERTY: MARTISON LAKE
HOLE No.: M99-4

FROM	TO	WIDTH	%P2O5	Fe2O3	%Al2O3	%CaO	%MgO	%A_insol
50.50	53.00	2.50	11.28	5.13	16.65	4.92	0.11	50.17
53.00	55.50	2.50	12.48	32.32	14.77	10.59	0.77	50.17
55.50	58.00	2.50	21.95	32.48	5.40	25.18	0.81	50.17
58.00	60.50	2.50	17.98	34.90	7.08	24.11	1.46	50.17
60.50	62.50	2.00	23.34	23.75	4.71	32.43	1.74	50.17
62.50	65.00	2.50	31.80	13.07	3.34	39.30	0.50	50.17
65.00	67.50	2.50	25.35	13.02	5.19	31.62	3.67	50.17
67.50	70.00	2.50	21.77	14.17	7.43	25.24	5.97	50.17
70.00	72.50	2.50	16.18	20.06	6.46	20.24	7.10	50.17
72.50	74.50	2.00	7.61	12.50	9.35	9.21	13.75	50.17
74.50	77.00	2.50	28.82	13.47	3.88	35.84	2.63	50.17
77.00	79.50	2.50	34.31	11.06	1.49	46.00	0.73	50.17
79.50	82.00	2.50	33.66	11.09	1.85	44.53	0.51	50.17
82.00	84.50	2.50	32.83	11.23	1.98	42.90	0.63	50.17
84.50	86.80	2.30	32.36	12.90	0.81	45.39	0.54	50.17
86.80	88.00	1.20	33.71	11.16	0.82	46.84	0.71	50.17
88.00	91.00	3.00	33.65	7.50	0.65	48.45	0.45	50.17
91.00	93.50	2.50	22.24	12.33	3.83	29.63	7.07	50.17
93.50	95.50	2.00	14.32	16.64	5.93	18.58	9.41	50.17
95.50	97.00	1.50	29.41	15.51	0.79	N.A.	1.42	50.17
97.00	100.00	3.00	28.16	15.21	1.38	N.A.	1.07	50.17
100.00	103.00	3.00	17.39	15.60	4.82	24.67	6.98	50.17
103.00	106.00	3.00	33.60	9.61	1.14	N.A.	1.08	50.17
106.00	108.00	2.00	3.57	9.78	7.62	16.86	13.68	50.17
108.00	110.50	2.50	4.06	10.16	7.60	3.90	13.16	50.17
110.50	112.80	2.30	4.61	8.21	3.23	30.23	9.99	50.17
112.80	117.20	4.40	4.61	8.29	3.41	24.74	14.28	50.17
117.20	120.00	2.80	4.27	7.80	0.18	48.80	3.74	50.17
120.00	122.50	2.50	9.94	6.43	0.57	40.35	8.75	50.17

** BORSURV ASSAY LOG **

PROPERTY: MARTISON LAKE
HOLE No.: M99-5

FROM	TO	WIDTH	%P2O5	%Fe2O3	%Al2O3	%CaO	%MgO	%A_insol
72.60	73.50	0.90	13.00	42.69	12.51	4.48	0.13	N.A.
73.50	76.20	2.70	11.89	46.95	5.61	24.27	1.52	N.A.
76.20	78.50	2.30	28.65	18.74	1.05	30.69	0.12	N.A.
78.50	81.20	2.70	28.38	20.02	4.26	32.88	0.25	N.A.
81.20	83.00	1.80	36.35	8.42	1.00	46.34	0.26	N.A.
83.00	86.00	3.00	36.83	3.66	1.44	47.42	0.16	N.A.
86.00	89.00	3.00	21.52	27.36	8.48	24.27	0.67	N.A.
89.00	91.50	2.50	25.28	21.95	6.19	29.57	0.75	N.A.
91.50	94.00	2.50	19.82	28.05	8.26	20.37	0.90	N.A.
94.00	96.90	2.90	15.15	25.12	8.37	16.96	0.80	N.A.
96.90	98.30	1.40	35.09	4.63	2.11	48.86	0.21	N.A.
98.30	101.00	2.70	13.56	19.71	7.21	23.06	0.45	N.A.
101.00	103.50	2.50	12.11	30.73	8.66	17.98	0.20	N.A.
103.50	105.50	2.00	7.85	32.93	5.88	21.35	0.55	N.A.
105.50	107.80	2.30	12.48	22.12	6.19	41.36	0.93	N.A.
107.80	110.50	2.70	12.24	24.39	6.36	38.85	12.00	N.A.
110.50	112.50	2.00	6.99	24.74	8.61	8.44	17.12	N.A.
112.50	114.50	2.00	7.77	23.85	8.16	10.17	15.40	N.A.
114.50	116.80	2.30	8.31	32.69	6.44	11.26	11.34	N.A.
116.80	119.00	2.20	10.20	29.56	6.90	13.02	11.38	N.A.
119.00	121.00	2.00	10.63	21.10	8.30	15.53	12.90	N.A.
121.00	123.50	2.50	14.00	24.42	7.22	19.09	11.37	N.A.
123.50	126.50	3.00	30.70	16.02	1.42	40.27	1.27	N.A.
126.50	128.00	1.50	27.78	18.80	0.85	39.69	0.91	N.A.
128.00	129.50	1.50	30.31	16.10	2.01	39.94	1.32	N.A.
129.50	132.50	3.00	29.66	13.53	2.12	40.67	2.22	N.A.
132.50	135.50	3.00	33.34	2.69	1.18	50.33	1.02	N.A.
135.50	138.50	3.00	35.49	2.29	0.51	50.54	0.23	N.A.
138.50	141.50	3.00	33.95	4.50	0.63	49.71	0.63	N.A.
141.50	144.50	3.00	30.34	13.67	1.96	41.37	2.09	N.A.
144.50	146.70	2.20	32.27	13.91	1.45	42.23	0.93	N.A.
146.70	149.00	2.30	13.27	24.82	5.11	17.35	8.93	N.A.
149.00	150.50	1.50	16.91	16.51	3.85	22.50	7.54	N.A.
150.50	153.50	3.00	28.18	14.71	1.99	42.76	2.67	N.A.
153.50	156.50	3.00	35.74	6.04	0.54	48.60	0.58	N.A.
156.50	159.50	3.00	34.20	8.57	0.88	46.31	1.04	N.A.

** BORSURV ASSAY LOG **

PROPERTY: MARTISON LAKE
HOLE No.: M99-5

FROM	TO	WIDTH	%P2O5	%Fe2O3	%Al2O3	%CaO	%MgO	%A_insol
159.50	161.30	1.80	33.49	10.84	0.95	46.10	1.29	N.A.
161.30	164.00	2.70	35.13	7.56	0.51	47.46	0.57	N.A.
164.00	166.50	2.50	32.92	9.39	1.06	46.43	1.33	N.A.
166.50	168.50	2.00	34.90	6.89	0.61	47.57	0.49	N.A.

** BORSURV ASSAY LOG **

PROPERTY: MARTISON LAKE
HOLE No.: M99-6

FROM	TO	WIDTH	%P2O5	%Fe2O3	%Al2O3	%CaO	%MgO	%A_insol
36.50	38.40	1.90	3.65	39.91	4.64	8.73	0.97	N.A.
38.40	40.40	2.00	3.91	5.82	2.05	22.11	0.95	N.A.
40.40	43.00	2.60	37.22	3.49	1.70	47.61	0.15	N.A.
43.00	46.00	3.00	33.10	12.92	2.32	41.46	0.23	N.A.
46.00	48.50	2.50	35.92	5.06	0.61	47.98	0.16	N.A.
48.50	51.00	2.50	34.87	6.11	1.87	46.59	0.17	N.A.
51.00	53.00	2.00	35.07	5.70	2.11	45.20	0.19	N.A.
53.00	56.00	3.00	31.62	8.61	2.37	42.78	0.63	N.A.
56.00	58.00	2.00	31.74	8.40	1.11	45.01	0.52	N.A.
58.00	61.00	3.00	30.42	6.80	2.27	45.84	1.73	N.A.
61.00	64.00	3.00	20.21	19.80	4.49	30.82	1.69	N.A.
64.00	67.00	3.00	6.22	16.05	0.74	18.02	2.17	N.A.
67.00	69.50	2.50	12.74	21.72	0.54	27.09	6.22	N.A.
69.50	71.50	2.00	11.99	18.52	0.49	17.22	3.89	N.A.
71.50	74.50	3.00	27.72	7.42	0.42	39.95	11.29	N.A.
74.50	75.70	1.20	24.91	10.34	0.52	35.95	5.74	N.A.
75.70	79.80	4.10	19.36	10.01	0.44	29.36	9.70	N.A.
79.80	82.90	3.10	3.64	5.74	0.35	47.54	2.54	N.A.
82.90	86.00	3.10	8.31	7.16	0.46	38.32	5.79	N.A.
86.00	89.50	3.50	1.06	3.00	0.24	50.82	1.11	N.A.
89.50	93.00	3.50	4.25	4.35	1.03	46.93	2.98	N.A.
93.00	95.50	2.50	3.05	8.24	4.51	31.63	10.57	N.A.
95.50	98.60	3.10	3.92	7.26	4.70	30.71	10.46	N.A.
98.60	102.80	4.20	7.37	11.12	3.49	38.21	9.04	N.A.
102.80	107.20	4.40	33.22	5.45	0.58	48.91	1.13	N.A.
107.20	110.50	3.30	8.04	5.64	1.69	41.82	5.75	N.A.
110.50	113.50	3.00	3.96	4.46	1.62	43.35	5.66	N.A.
113.50	116.50	3.00	2.92	9.87	5.68	23.54	11.92	N.A.
116.50	119.50	3.00	3.22	8.12	4.11	29.93	9.84	N.A.
119.50	122.50	3.00	3.87	4.66	1.78	40.42	5.84	N.A.
122.50	126.00	3.50	5.97	6.02	1.64	41.10	6.35	N.A.
126.00	128.50	2.50	1.93	4.63	1.39	44.76	5.01	N.A.
128.50	131.50	3.00	2.83	7.93	4.78	28.91	10.77	N.A.
131.50	134.50	3.00	3.38	7.35	3.49	32.48	10.29	N.A.
134.50	137.50	3.00	2.97	6.37	2.57	37.37	7.58	N.A.
137.50	140.80	3.30	5.06	7.72	1.97	38.60	6.70	N.A.
140.80	143.50	2.70	6.71	7.31	0.25	47.27	3.67	N.A.

** BORSURV ASSAY LOG **

PROPERTY: MARTISON LAKE
HOLE No.: M99-7

FROM	TO	WIDTH	%P2O5	%Fe2O3	%Al2O3	%CaO	%MgO	%A_insol
60.40	63.20	2.80	18.51	13.35	21.53	2.99	0.12	N.A.
63.20	66.00	2.80	31.00	11.77	4.81	34.54	0.20	N.A.
66.00	68.50	2.50	31.02	11.68	4.04	36.98	0.24	N.A.
68.50	71.00	2.50	15.22	14.86	6.46	19.82	13.05	N.A.
71.00	73.50	2.50	11.74	17.17	8.69	15.79	14.53	N.A.
73.50	76.00	2.50	25.19	14.86	4.69	33.08	3.86	N.A.
76.00	78.50	2.50	27.21	15.26	3.20	35.48	2.32	N.A.
78.50	81.00	2.50	15.48	23.53	5.69	20.95	10.12	N.A.
81.00	83.00	2.00	30.48	14.40	1.72	40.55	2.33	N.A.
83.00	84.50	1.50	35.37	11.10	0.92	46.29	0.72	N.A.
84.50	87.50	3.00	19.33	16.22	4.63	25.85	9.02	N.A.
87.50	89.20	1.70	24.26	14.58	3.92	32.21	6.10	N.A.
89.20	91.40	2.20	7.28	20.66	7.24	9.64	15.18	N.A.
91.40	93.50	2.10	13.86	15.22	6.45	16.81	13.04	N.A.
93.50	95.00	1.50	19.39	20.26	4.55	21.67	6.33	N.A.
95.00	98.00	3.00	6.66	11.81	13.09	8.85	13.45	N.A.
98.00	100.70	2.70	18.50	16.52	5.57	24.45	5.67	N.A.
100.70	104.00	3.30	16.52	13.86	6.67	23.26	7.07	N.A.
104.00	106.00	2.00	9.23	17.26	8.47	14.10	9.07	N.A.
106.00	109.00	3.00	15.66	16.75	6.84	22.20	6.18	N.A.
109.00	111.50	2.50	11.03	16.19	8.29	15.96	10.86	N.A.
111.50	114.00	2.50	11.13	21.04	6.99	14.89	11.86	N.A.
114.00	115.00	1.00	35.37	8.47	1.28	45.52	0.60	N.A.
115.00	120.50	5.50	36.09	2.75	0.35	51.02	0.40	N.A.
120.50	122.00	1.50	20.46	21.32	5.62	27.06	3.47	N.A.
122.00	123.50	1.50	34.56	3.82	0.58	49.78	0.98	N.A.
123.50	125.00	1.50	12.60	17.18	5.68	19.33	13.09	N.A.
125.00	126.50	1.50	35.71	2.60	0.55	51.27	0.86	N.A.
126.50	128.00	1.50	28.67	14.80	1.49	42.87	3.29	N.A.
128.00	130.50	2.50	26.88	8.72	1.14	43.66	2.67	N.A.
130.50	132.50	2.00	4.24	7.37	3.14	31.23	8.08	N.A.
132.50	134.70	2.20	3.20	6.11	3.32	30.27	7.11	N.A.
134.70	136.70	2.00	3.50	8.23	4.03	23.34	11.49	N.A.
136.70	138.00	1.30	3.43	6.17	5.07	19.11	11.01	N.A.

** BORSURV ASSAY LOG **

PROPERTY: MARTISON LAKE
HOLE No.: M99-8

FROM	TO	WIDTH	%P2O5	%Fe2O3	%Al2O3	%CaO	%MgO	%A_insol
36.50	40.20	3.70	16.79	22.55	4.40	22.71	5.08	N.A.
40.20	42.50	2.30	10.05	19.99	7.98	13.74	8.23	N.A.
42.50	44.50	2.00	6.97	14.78	9.34	8.05	13.33	N.A.
44.50	46.50	2.00	5.34	16.19	9.04	15.67	10.93	N.A.
46.50	49.00	2.50	6.44	12.99	7.42	11.03	15.46	N.A.
49.00	51.50	2.50	4.90	13.66	6.87	11.03	12.82	N.A.
51.50	53.50	2.00	8.62	11.82	3.89	21.33	8.68	N.A.
53.50	55.50	2.00	7.06	13.33	6.23	22.72	9.65	N.A.
55.50	57.50	2.00	5.26	14.86	7.14	8.52	15.99	N.A.
57.50	60.50	3.00	4.10	10.80	8.67	7.42	16.50	N.A.
60.50	62.00	1.50	2.80	4.26	2.13	34.88	9.71	N.A.
62.00	63.50	1.50	2.51	7.60	3.36	28.92	9.17	N.A.
63.50	65.50	2.00	1.97	8.45	3.22	38.09	8.20	N.A.
65.50	68.00	2.50	3.22	6.69	2.06	37.54	5.50	N.A.
68.00	69.50	1.50	3.15	9.10	2.36	37.25	6.21	N.A.
69.50	71.00	1.50	4.35	4.95	1.98	29.14	9.15	N.A.
71.00	72.50	1.50	2.28	5.70	1.92	32.97	11.20	N.A.
72.50	74.00	1.50	2.82	4.14	0.45	43.60	6.43	N.A.

DRILL LOGS, RECOVERY LOGS

CG-1 – CG-5, M99-1 – M99-08

MARTISON LAKE PROJECT

Office Copy

MARTISON PHOSPHATE PROJECT

DIAMOND DRILL HOLE RECORD SHEET

Project: DDH - Litho Log

Company: MCK Mining - BALTIC Resources J.V.

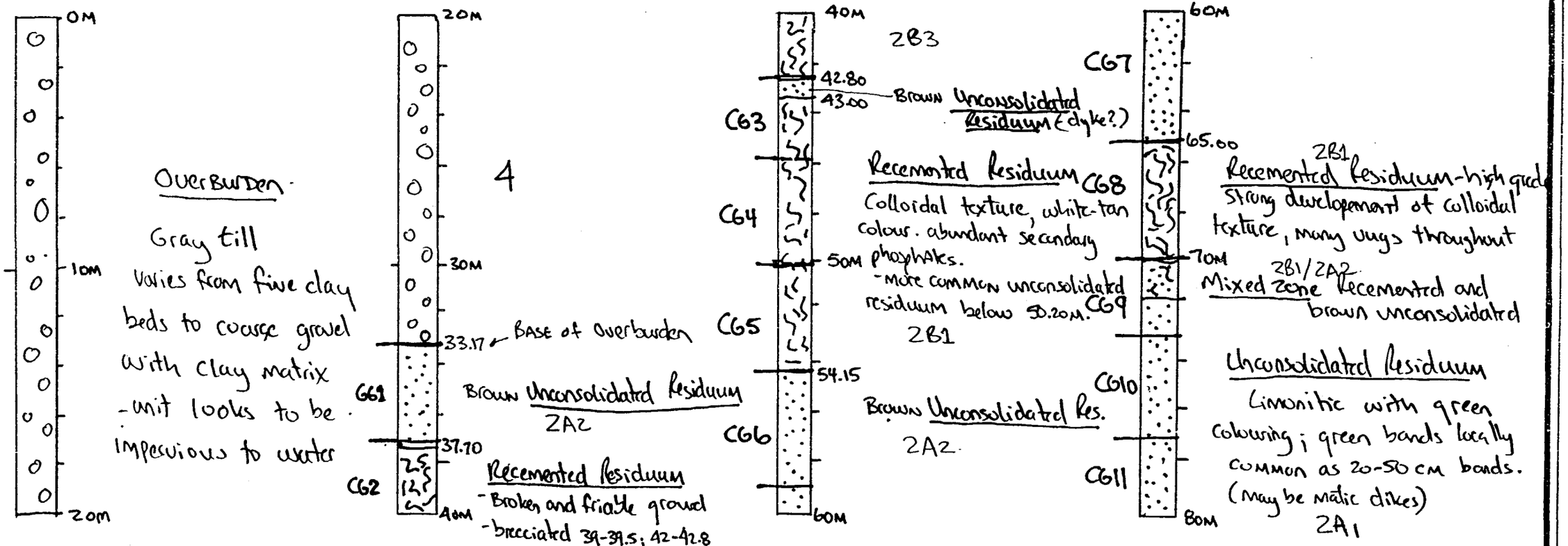
Hole No.: DDH · CG #1 page 1 of 2

LOCATION		DIP TEST					
AREA or TWP.	South of Tide Lake. Martison Lake	FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED	LEVEL Surface Hole	CORE SIZE HQ Triple Tube	DATE STARTED Feb 22 PM
CLAIM NO.	1201625 Ontario					BEARING Vertical	DATE FINISHED Feb 26 1AM
NTS					ELEVATION	CASING Pulled	LOGGED BY G. Pierce
					LATITUDE 7500 North	LENGTH 119 meters	PURPOSE
					DEPARTURE 3300 East	CORE LOCATION Timmins	RECOVERY See seperate log

DIAMOND DRILL HOLE LOCATION SKETCHES
CLAIM MAP Scale:

SIGNATURE: _____

DIAMOND DRILL HOLE LOCATION
WITH RESPECT TO CLAIM BOUNDARIES
Scale:



MARTISON PHOSPHATE PROJECT

Company: MCK Mining - Baltic Resources J.V.

DIAMOND DRILL HOLE RECORD SHEET

Project: DDH litho log.

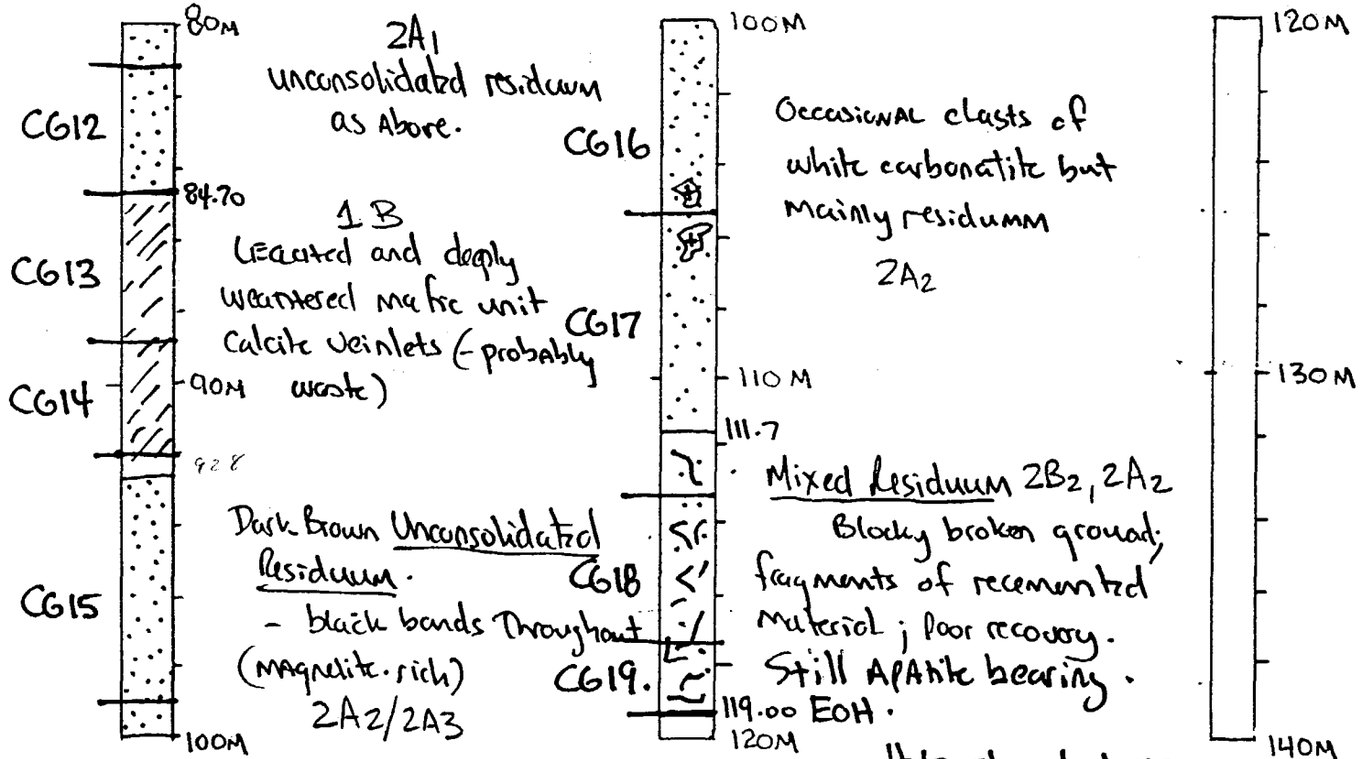
Hole No.: DDH CG#1 page 2 of 2

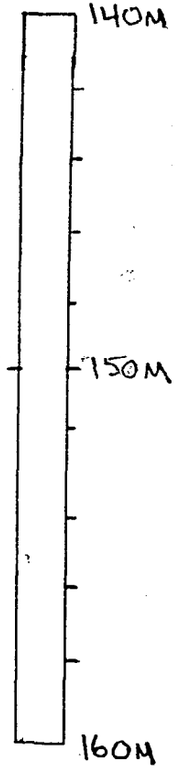
LOCATION	DIP TEST			LEVEL	CORE SIZE	DATE STARTED
AREA or TWP.	FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED		BEARING	DATE FINISHED
CLAIM NO.				ELEVATION	CASING	LOGGED BY
NTS				LATITUDE	LENGTH	PURPOSE
				DEPARTURE	CORE LOCATION	RECOVERY

DIAMOND DRILL HOLE LOCATION SKETCHES
CLAIM MAP Scale:

SIGNATURE: _____

DIAMOND DRILL HOLE LOCATION
WITH RESPECT TO CLAIM BOUNDARIES
Scale:





Summary

0-33.17 - Overburden

33.17-84.70 - Residuum

84.70-92.80 - Mafic Dike.

92.80-119.0 - Residuum.

Hole stopped at 119M in broken ground;
Still no fresh carbonatite but coring very difficult and rods getting stuck. Stopped to Avoid any problems

Revised - OFFICE COPY Apr. 16/99

MARTISON PHOSPHATE PROJECT

DIAMOND DRILL HOLE RECORD SHEET

Project: D.D.H. - Litho Log

Company: MCK Mining - BALTIC Resources J.V.

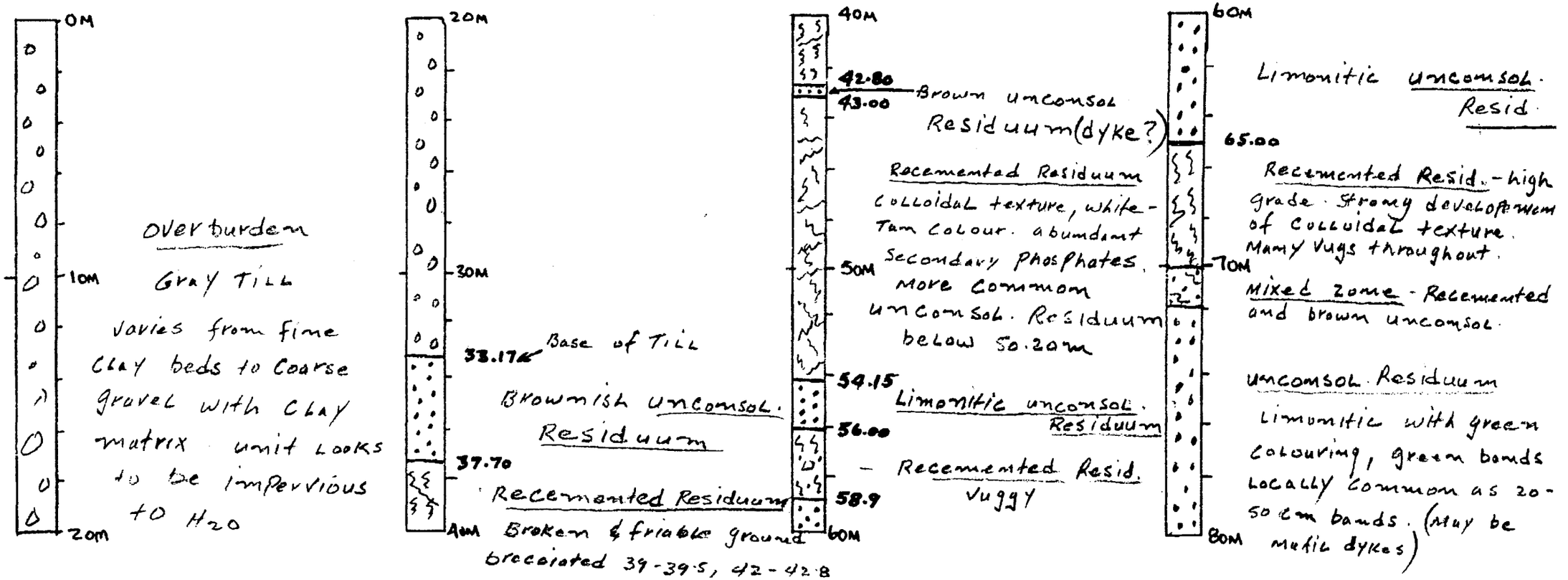
Hole No.: D.D.H. CG-1 (Page 1 of 2)

LOCATION	DIP TEST			LEVEL Surface Hole	CORE SIZE H.Q. Triple Tube	DATE STARTED Feb. 22 pm
AREA or TWP. South of Ridge Lake Martinson Lake	FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED		BEARING Vertical	DATE FINISHED Feb 26 - 1 a.m.
CLAIM NO. #1201625 Ontario				ELEVATION	CASING Pulled	LOGGED BY G. Pierce
NTS				LATITUDE 7500 North	LENGTH 119	PURPOSE
				DEPARTURE 3300 EAST	CORE LOCATION Timmins	RECOVERY See Seperate log

DIAMOND DRILL HOLE LOCATION SKETCHES
CLAIM MAP Scale:

SIGNATURE: _____

DIAMOND DRILL HOLE LOCATION
WITH RESPECT TO CLAIM BOUNDARIES
Scale:



MARTISON PHOSPHATE PROJECT

Company: MCK Mining - Baltic Resources J.V.

DIAMOND DRILL HOLE RECORD SHEET

Project: DDH LITHO LOG

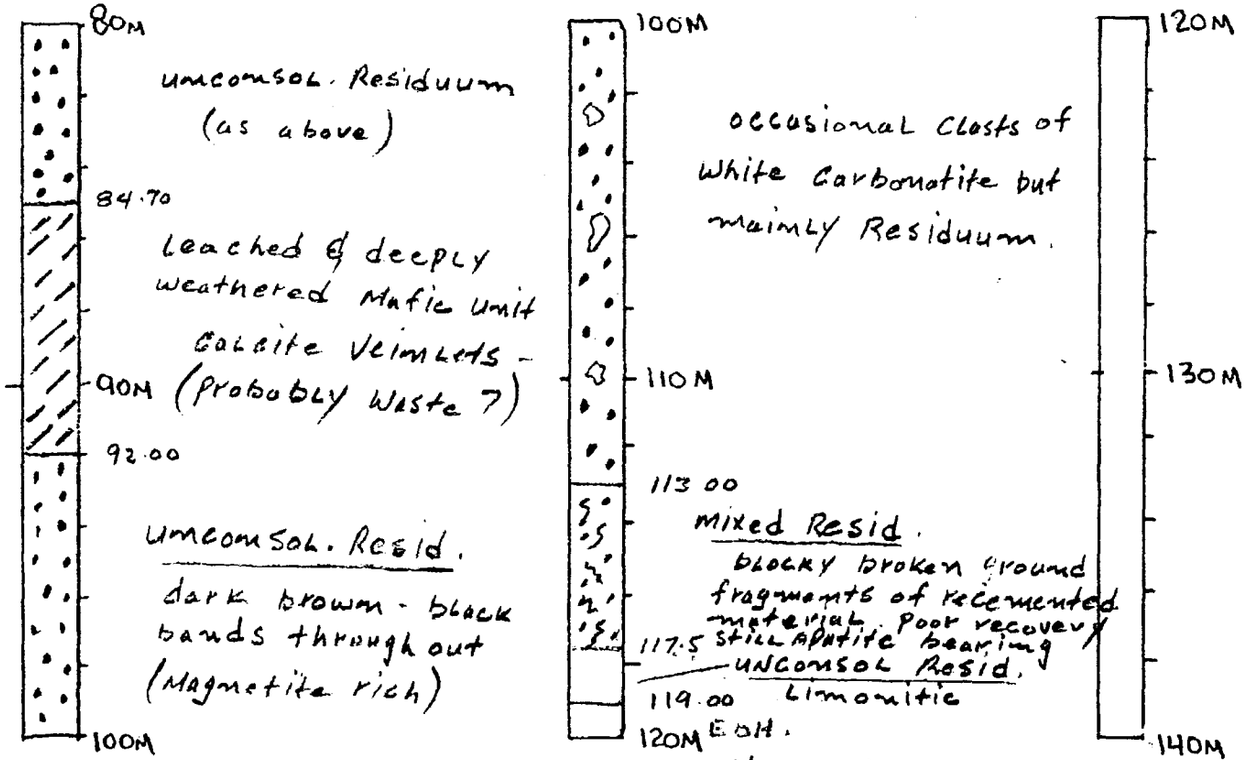
Hole No.: DDH CG-1 (page 2 of 2)

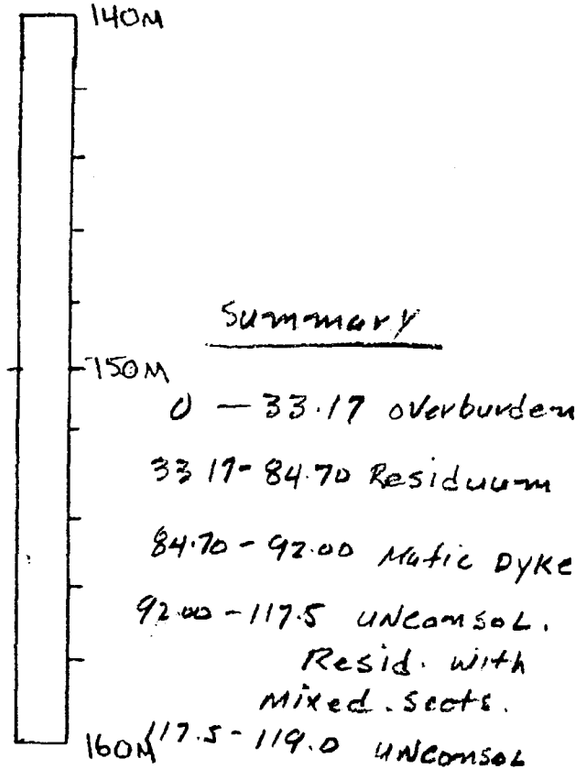
LOCATION	DIP TEST			LEVEL	CORE SIZE	DATE STARTED
AREA or TWP	FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED		BEARING	DATE FINISHED
CLAIM NO				ELEVATION	CASING	LOGGED BY
				LATITUDE	LENGTH	PURPOSE
NTS				DEPARTURE	CORE LOCATION	RECOVERY

DIAMOND DRILL HOLE LOCATION SKETCHES
CLAIM MAP Scale:

SIGNATURE: _____

DIAMOND DRILL HOLE LOCATION
WITH RESPECT TO CLAIM BOUNDARIES
Scale:





Summary

0 — 33.17 overburden

33.17 - 84.70 Residuum

84.70 - 92.00 Mafic Dyke

92.00 - 117.5 Unconsol. Resid. with Mixed Seats.

117.5 - 119.0 Unconsol Resid.

Hole stopped at 119m in broken ground still no fresh carbonatite but coring very difficult / Rods getting stuck.

MARTISON PHOSPHATE PROJECT

DIAMOND DRILL HOLE RECORD SHEET

Project: Litho log.

Company: MCK Mining - Baltic Resources J.V.

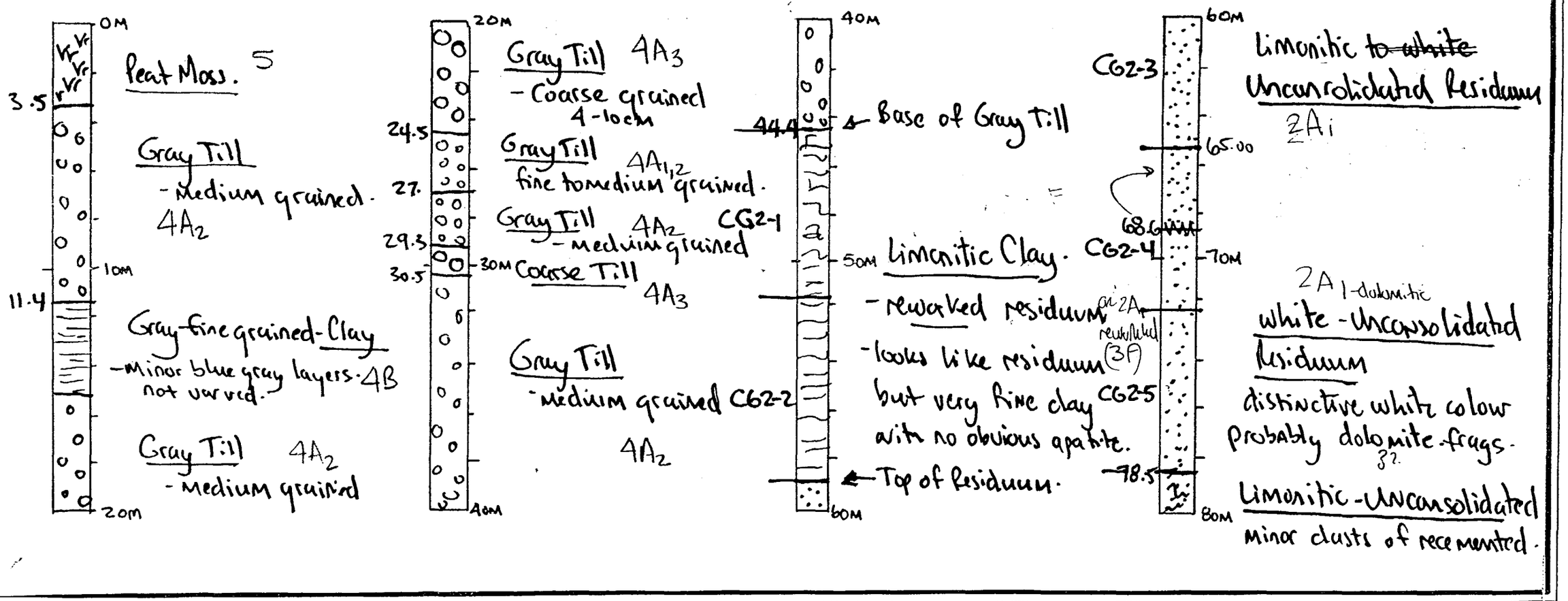
Hole No.: DDH CG-2 pg 1 of 2'

LOCATION South of Ridge Lake.	DIP TEST		LEVEL Surface	CORE SIZE HQ Triple Tube	DATE STARTED Feb 26 2pm
AREA or TWP. Martison Lake.	FOOTAGE	ANGLE: RECORDING / CORRECTED		BEARING Vertical.	DATE FINISHED Mar 1 2pm
CLAIM NO. 1201625.			ELEVATION 1000	CASING None used.	LOGGED BY M. Leahy
NTS			LATITUDE 7600 N.	LENGTH 131 M.	PURPOSE Geol
			DEPARTURE 3250E	CORE LOCATION Timmins.	RECOVERY Seperate log

DIAMOND DRILL HOLE LOCATION SKETCHES
CLAIM MAP Scale:

SIGNATURE: _____

DIAMOND DRILL HOLE LOCATION WITH RESPECT TO CLAIM BOUNDARIES
Scale:



MARTISON PHOSPHATE PROJECT

DIAMOND DRILL HOLE RECORD SHEET

Project: Litho Log

Company: MCK Mining - BALTIC Resources J.V.

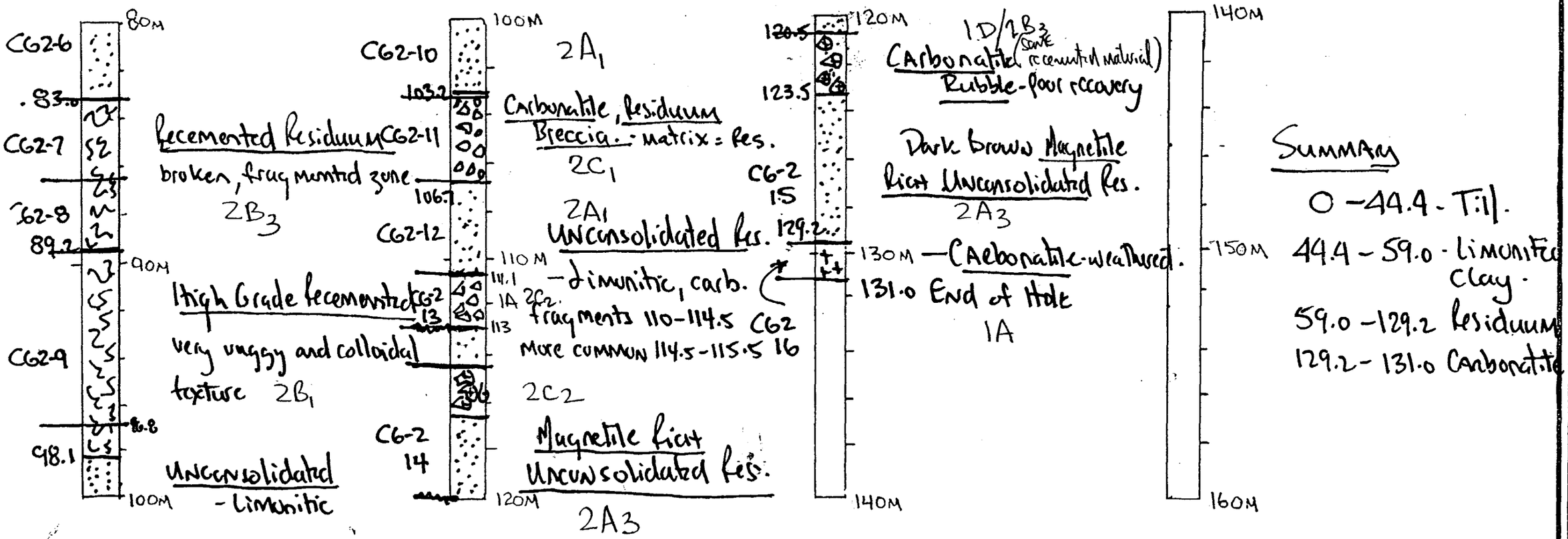
Hole No.: DDH CG #2 pg 2 of 2

LOCATION	DIP TEST			LEVEL	CORE SIZE	DATE STARTED
AREA or TWP.	FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED		BEARING	DATE FINISHED
CLAIM NO.				ELEVATION	CASING	LOGGED BY
NTS				LATITUDE	LENGTH	PURPOSE
				DEPARTURE	CORE LOCATION	RECOVERY

DIAMOND DRILL HOLE LOCATION SKETCHES
CLAIM MAP Scale:

SIGNATURE: _____

DIAMOND DRILL HOLE LOCATION
WITH RESPECT TO CLAIM BOUNDARIES
Scale:



MARTISON PHOSPHATE PROJECT

FINAL

Project: DDH - Litholog

DIAMOND DRILL HOLE RECORD SHEET

Hole No.: CG#3 pg 1 of 3

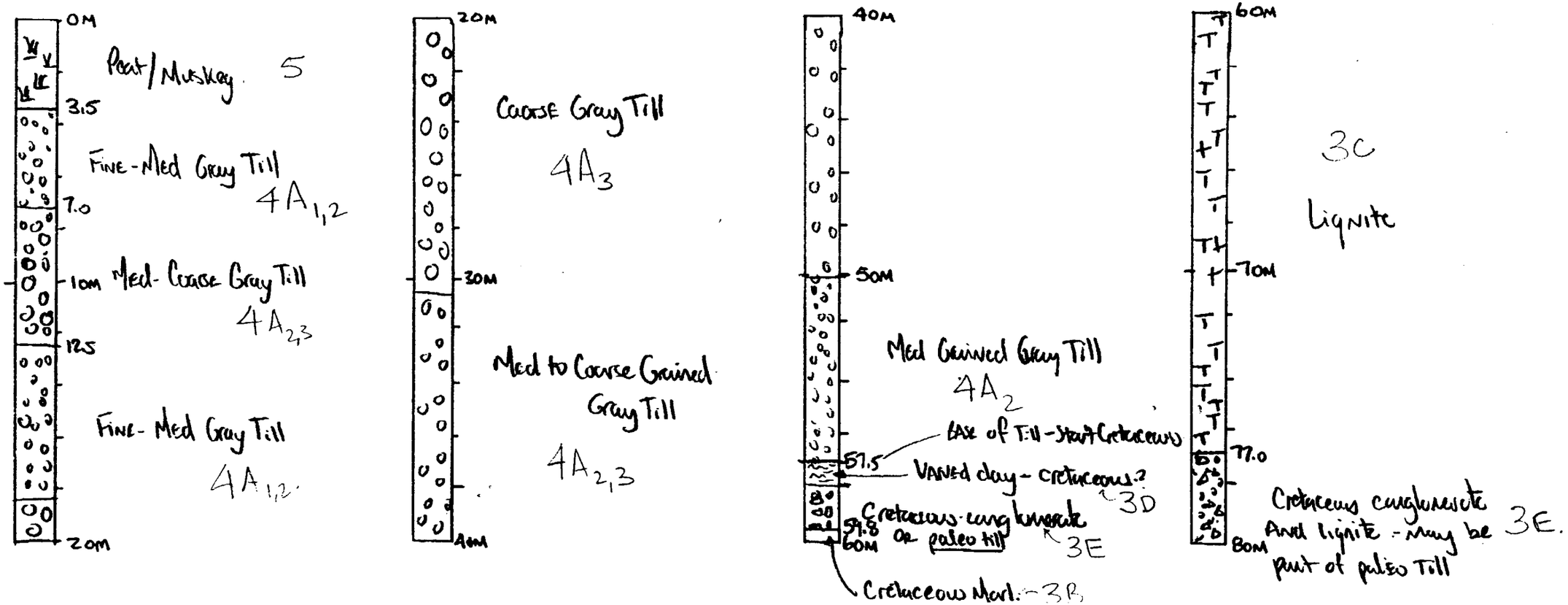
Company: MCK Mining - BALTIC Resources J.V.

LOCATION	DIP TEST			LEVEL	CORE SIZE	DATE STARTED
AREA or TWP. South of Ridge Lk.	FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED		BEARING	DATE FINISHED March 10/99.
CLAIM NO. 1201625				ELEVATION 1000	CASING Not Used.	LOGGED BY M Lechtzier, G. Pierce
NTS 42J6				LATITUDE 7850N	LENGTH 180.5 M	PURPOSE
				DEPARTURE 3050E	CORE LOCATION TIMMINS.	RECOVERY

DIAMOND DRILL HOLE LOCATION SKETCHES
CLAIM MAP Scale:

SIGNATURE: _____

DIAMOND DRILL HOLE LOCATION
WITH RESPECT TO CLAIM BOUNDARIES
Scale:



MARTISON PHOSPHATE PROJECT

Project:

DIAMOND DRILL HOLE RECORD SHEET

Hole No.: CG#3 pg 2 of 3

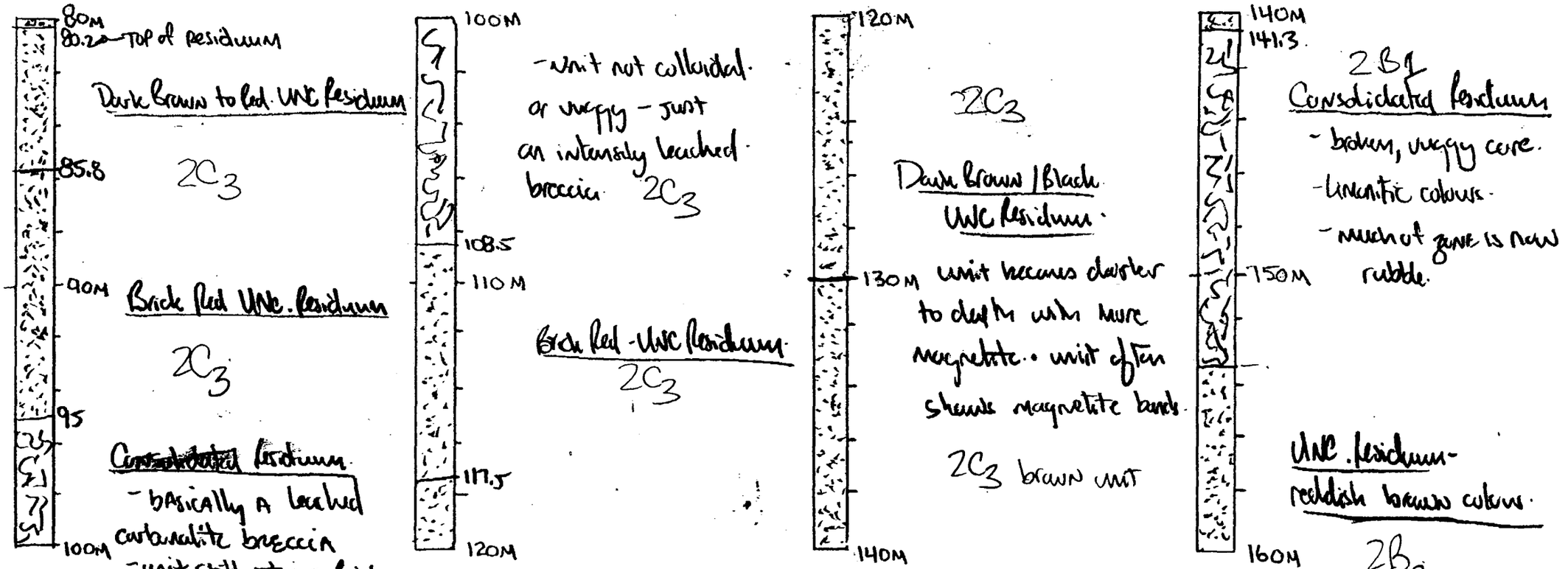
pany: MCK Mining - BALTIC Resources J.V.

LOCATION	DIP TEST			LEVEL	CORE SIZE	DATE STARTED
4 or	FOOTAGE	ANGLE			BEARING	DATE FINISHED
		RECORDING	CORRECTED			
M NO.				ELEVATION	CASING	LOGGED BY
				LATITUDE	LENGTH	PURPOSE
				DEPARTURE	CORE LOCATION	RECOVERY

ND DRILL HOLE LOCATION SKETCHES
MAP Scale:

SIGNATURE: _____

DIAMOND DRILL HOLE LOCATION
WITH RESPECT TO CLAIM BOUNDARIES
Scale:



MARTISON PHOSPHATE PROJECT

Company: MCK Mining - BALTIC Resources J.V.

DIAMOND DRILL HOLE RECORD SHEET

Project: _____

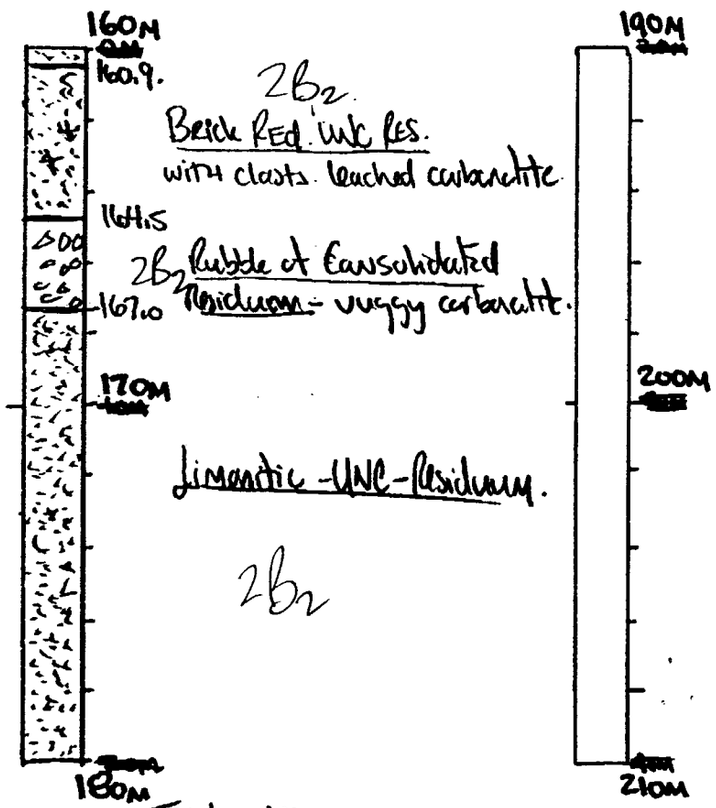
Hole No.: CG#3 pg 3 of 3.

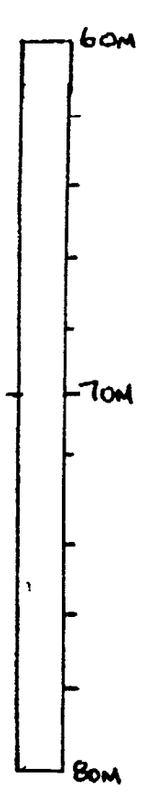
LOCATION	DIP TEST			LEVEL	CORE SIZE	DATE STARTED
AREA or TWP.	FOOTAGE	ANGLE			BEARING	DATE FINISHED
		RECORDING	CORRECTED			
CLAIM NO.				ELEVATION	CASING	LOGGED BY
				LATITUDE	LENGTH	PURPOSE
NTS				DEPARTURE	CORE LOCATION	RECOVERY

DIAMOND DRILL HOLE LOCATION SKETCHES
CLAIM MAP Scale:

SIGNATURE: _____

DIAMOND DRILL HOLE LOCATION
WITH RESPECT TO CLAIM BOUNDARIES
Scale:





MARTISON PHOSPHATE PROJECT

DIAMOND DRILL HOLE RECORD SHEET

Project: DDH Litho log

Company: MCK Mining - BALTIC Resources J.V.

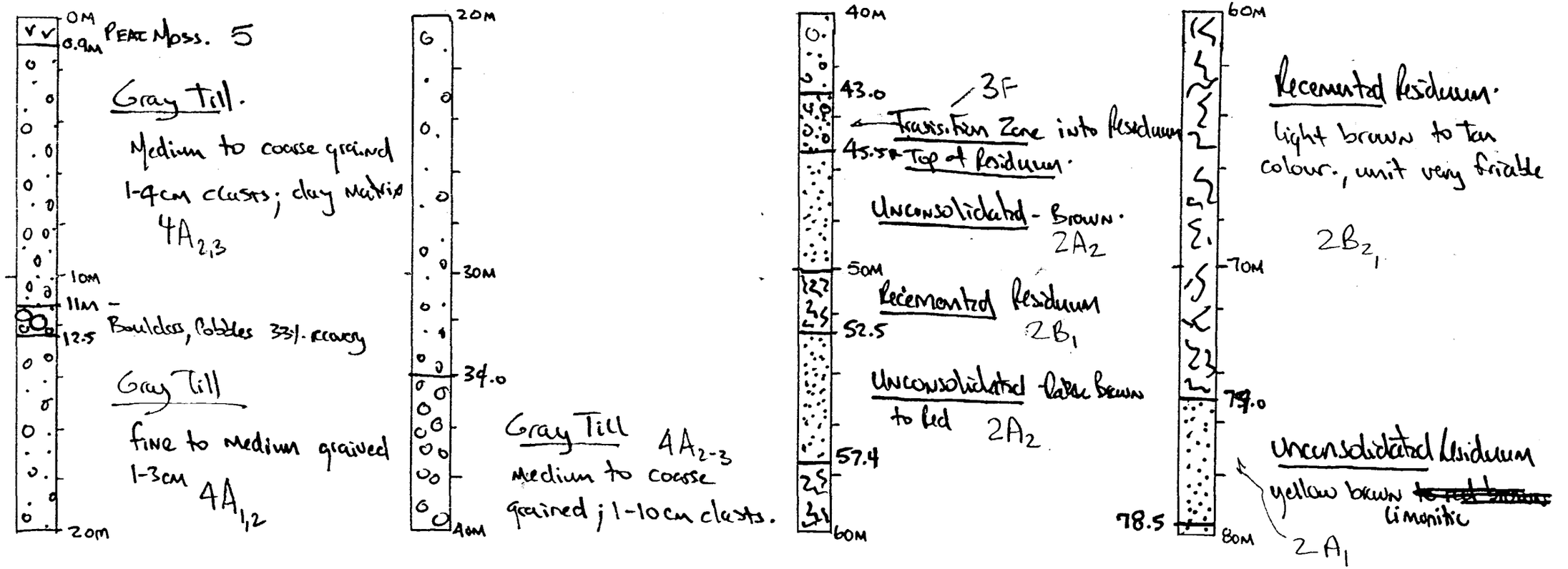
Hole No.: CG4 2nd Attempt pg 1 of 2

LOCATION	DIP TEST			LEVEL	CORE SIZE	HQ Triple Tube	DATE STARTED	May 14 - AM
AREA or TWP. South of Ridge Lake	FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED		BEARING	90° - Vertical	DATE FINISHED	
CLAIM NO. 1201625				ELEVATION ~1000	CASING	Pulled	LOGGED BY	Guy Price
NTS 42 J 6				LATITUDE 7953 N	LENGTH		PURPOSE	
				DEPARTURE 3148 E	CORE LOCATION	Timmins	RECOVERY	

DIAMOND DRILL HOLE LOCATION SKETCHES
CLAIM MAP Scale:

SIGNATURE: _____

DIAMOND DRILL HOLE LOCATION
WITH RESPECT TO CLAIM BOUNDARIES
Scale:



MARTISON PHOSPHATE PROJECT

DIAMOND DRILL HOLE RECORD SHEET

Project: DDH Litho Log

Company: MCK MINING - BALTIC RESOURCES J.V.

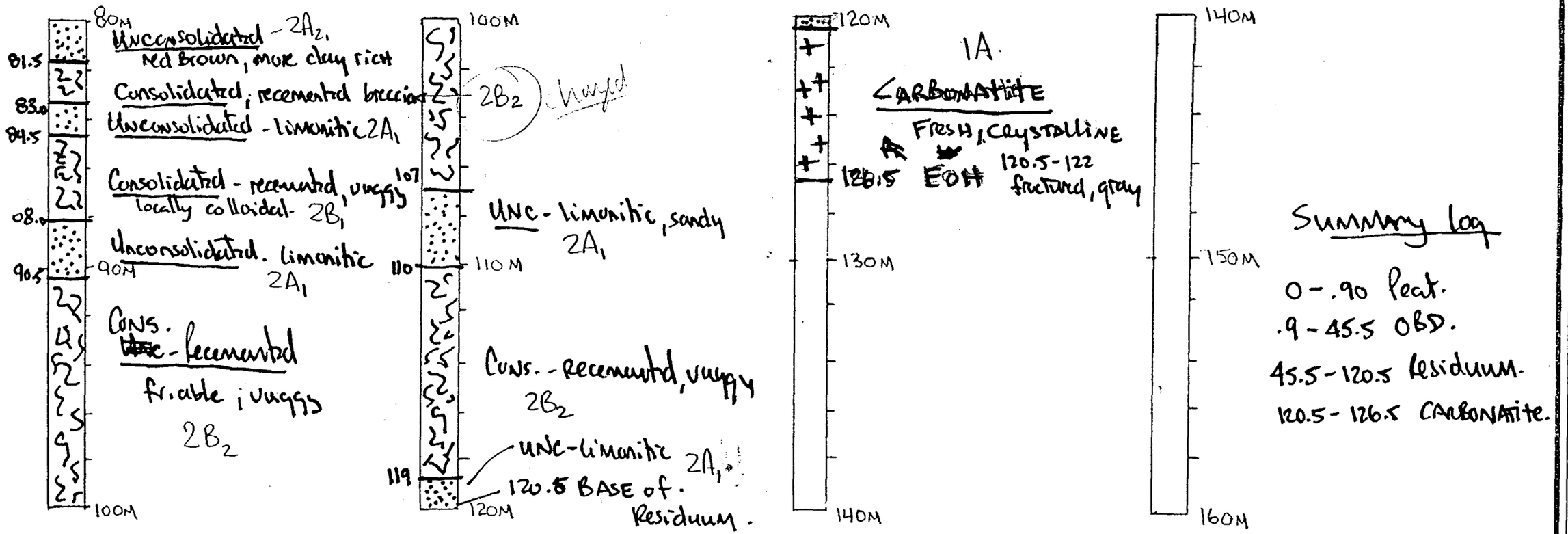
Hole No.: CG-4 pg 2 of 2

LOCATION	DIP TEST			LEVEL	CORE SIZE	DATE STARTED
AREA or TWP. MARTISON LAKE	FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED		BEARING	DATE FINISHED
CLAIM NO.				ELEVATION	CASING	LOGGED BY M. LEAHY
NTS				LATITUDE	LENGTH	PURPOSE
				DEPARTURE	CORE LOCATION	RECOVERY

DIAMOND DRILL HOLE LOCATION SKETCHES
LAIM MAP Scale:

SIGNATURE: _____

DIAMOND DRILL HOLE LOCATION
WITH RESPECT TO CLAIM BOUNDARIES
Scale:



MARTISON PHOSPHATE PROJECT

DIAMOND DRILL HOLE RECORD SHEET

Project: DDH - Picture Log

Company: MCK Mining - BALTIC Resources J.V.

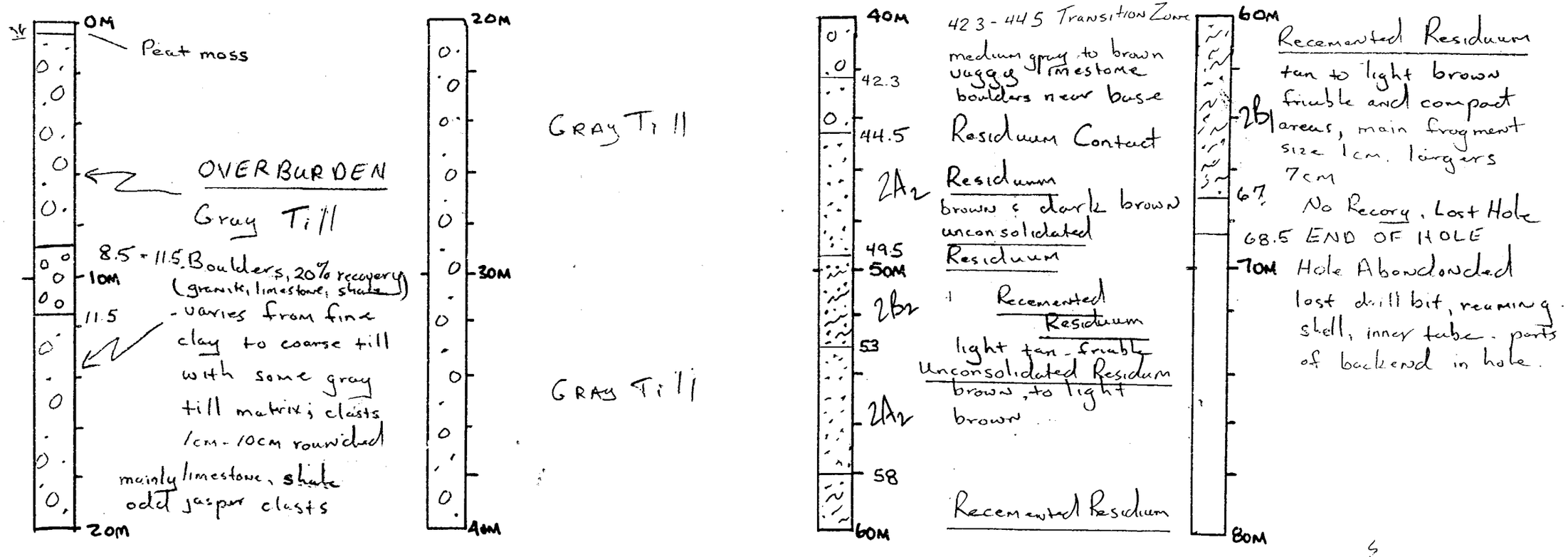
Hole No.: CG-4A Page 1 of 1

LOCATION	DIP TEST			LEVEL	CORE SIZE HQ - TRIPLE TUB	DATE STARTED March 2, 1999
AREA or TWP. Seam of Ridge Lake	FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED		BEARING -90	DATE FINISHED March 3, 1999 AM
CLAIM NO. 1201625				ELEVATION 1000	CASING PULLED	LOGGED BY MW Leahey
NTS 42I 6				LATITUDE 7950 N	LENGTH 68.5	PURPOSE
				DEPARTURE 3146 E	CORE LOCATION TIMMINS	RECOVERY SEPERATE LOG

DIAMOND DRILL HOLE LOCATION SKETCHES
CLAIM MAP Scale:

SIGNATURE: _____

DIAMOND DRILL HOLE LOCATION
WITH RESPECT TO CLAIM BOUNDARIES
Scale:



MARTISON PHOSPHATE PROJECT

Company: MCK Mining - Baltic Resources J.V.

DIAMOND DRILL HOLE RECORD SHEET

Project: Final DDH Litho Log

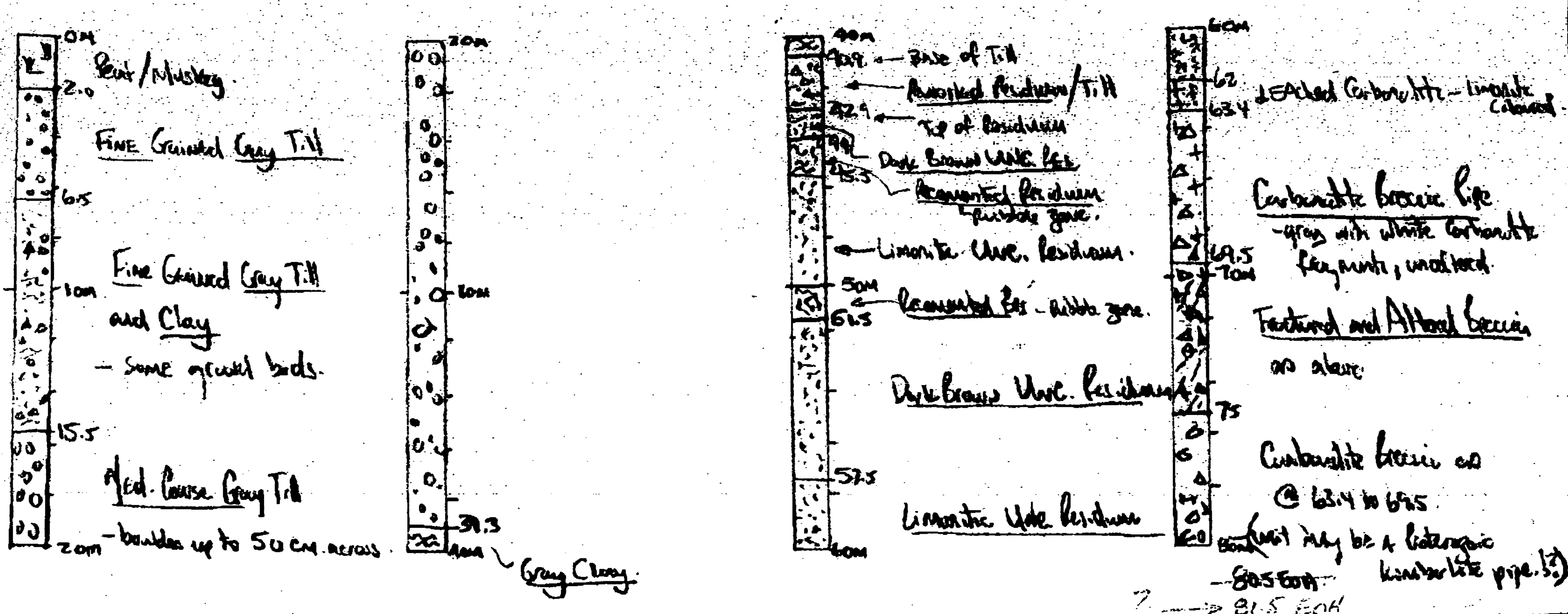
Hole No.: CG5 Pg 1 of 1

LOCATION		DIP TEST				
AREA or TWP: South of Pidor Lake	FOOTAGE	ANGLE RECORDED	ANGLE CORRECTED	LEVEL: Surface	CORE SIZE: HQ Triple Tube	DATE STARTED: Mar 10 '99
CLAIM NO: 120 1625					BEARING	DATE FINISHED: Mar 1? '99
NTS: 42J6				ELEVATION: 1000	CASING: Not Used.	LOGGED BY: M. [illegible] / B. [illegible]
				LATITUDE: 8150N	LENGTH: 8?.5 METERS	PURPOSE
				DEPARTURE: 3000E	CORE LOCATION: Timmins.	RECOVERY

DIAMOND DRILL HOLE LOCATION SKETCHES
CLAIM MAP - Scale:

SIGNATURE:

DIAMOND DRILL HOLE LOCATION WITH RESPECT TO CLAIM BOUNDARIES
Scale



MARTISON PHOSPHATE PROJECT

DIAMOND DRILL HOLE RECORD SHEET

Company: MCK Mining - Baltic Resources J.V.

Project: Final DDH Litho Log

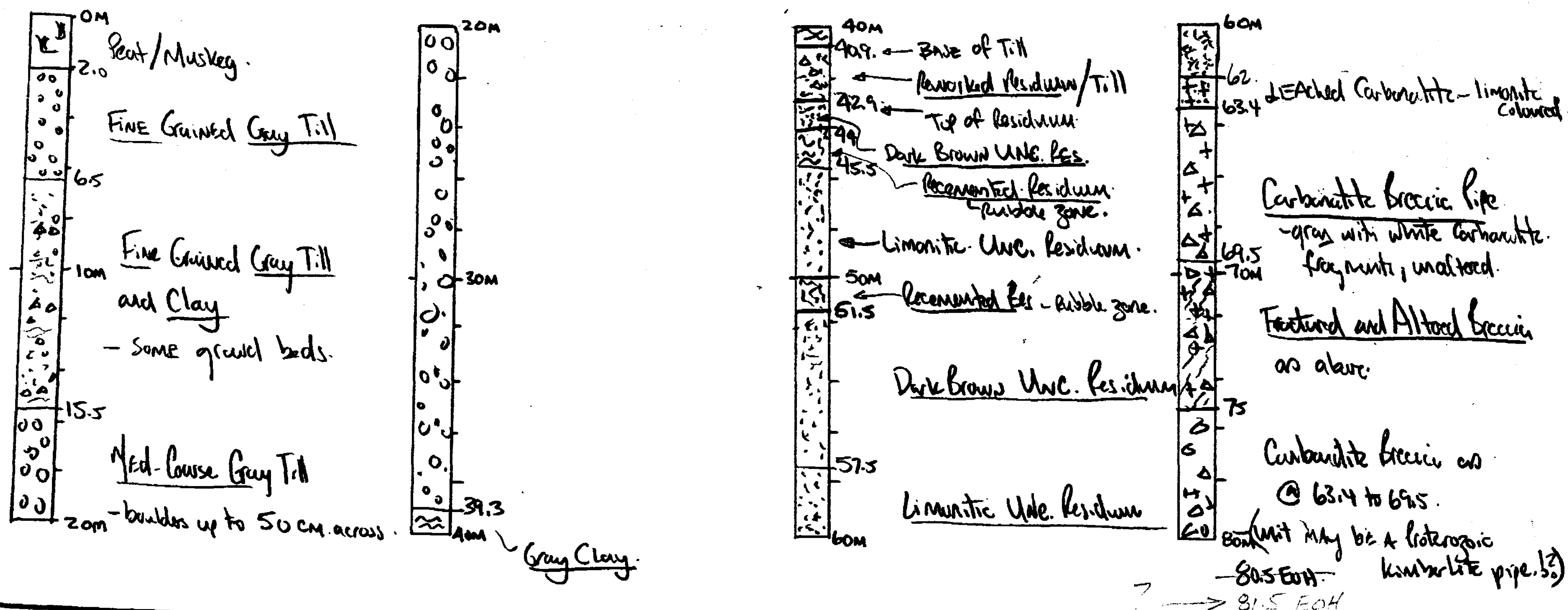
Hole No.: CG5 Pg 1 of 1

LOCATION		DIP TEST						
AREA or TWP.	South of Ridge Lake	FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED	LEVEL Surface	CORE SIZE HQ Triple Tube	DATE STARTED	March 10/99
CLAIM NO.	120 1625					BEARING	DATE FINISHED	March 12/99
NTS	42J6				ELEVATION 1000	CASING Not Used.	LOGGED BY	M Vahey / G Lirr
					LATITUDE 8150N	LENGTH 80.5 METERS.	PURPOSE	
					DEPARTURE 3000E	CORE LOCATION TIMMINS.	RECOVERY	

DIAMOND DRILL HOLE LOCATION SKETCHES
CLAIM MAP Scale:

SIGNATURE: ______________________

DIAMOND DRILL HOLE LOCATION WITH RESPECT TO CLAIM BOUNDARIES
Scale:



MARTISON PHOSPHATE PROJECT

Field log

Project: DDH. Picture Log

DIAMOND DRILL HOLE RECORD SHEET

Company: MCK Mining - BALTIC Resources J.V.

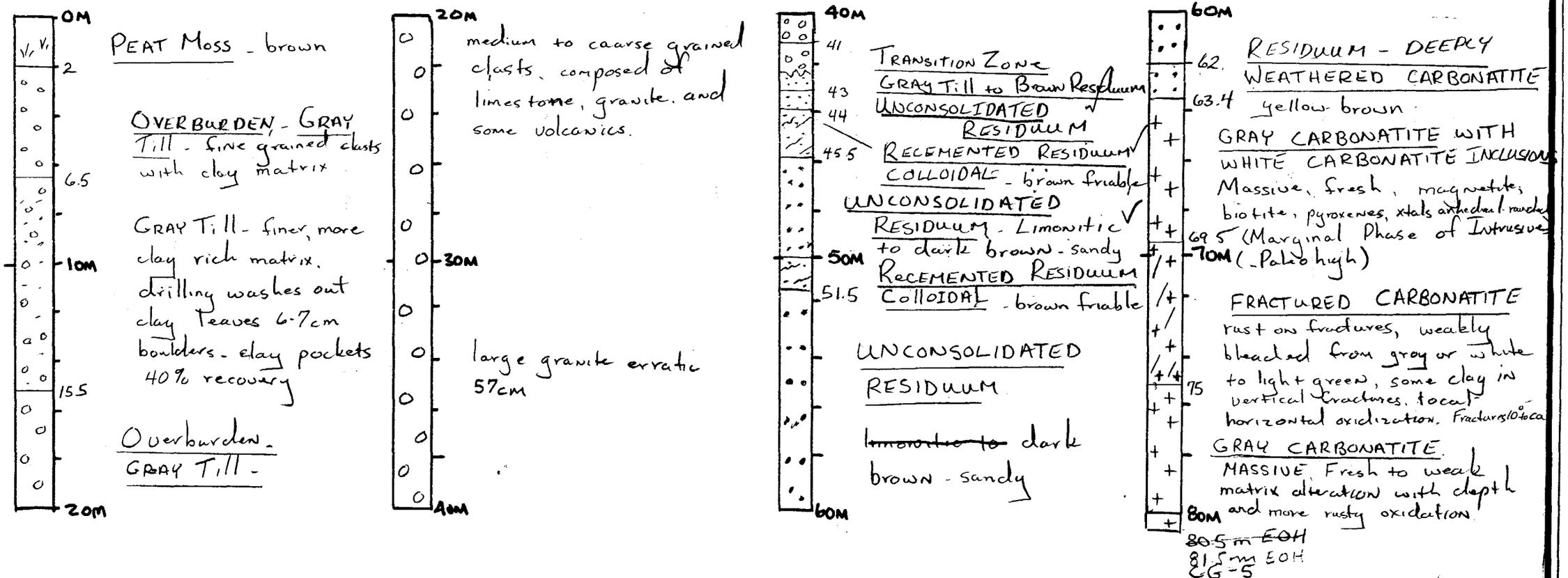
Hole No.: CG-5 Pg 1 of 1

LOCATION	DIP TEST			LEVEL	CORE SIZE HQ TRIPLE TUBE	DATE STARTED March 10, 1999 PM
AREA or TWP. South of Ridge Lake	FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED		BEARING	DATE FINISHED March 12 1999 AM
CLAIM NO. 1201625				ELEVATION 1000	CASING Pulled	LOGGED BY MW Leahey
NTS 42 J 6				LATITUDE 8150 N	LENGTH 80.5	PURPOSE
				DEPARTURE 3000 E	CORE LOCATION TIMMINS	RECOVERY separate log

DIAMOND DRILL HOLE LOCATION SKETCHES
CLAIM MAP Scale:

SIGNATURE: _____

DIAMOND DRILL HOLE LOCATION
WITH RESPECT TO CLAIM BOUNDARIES
Scale:



MARTISON PHOSPHATE PROJECT

DIAMOND DRILL HOLE RECORD SHEET

6

Good Copy

Project: DDH Litho log

Company: MCK Mining - BALTIC Resources J.V.

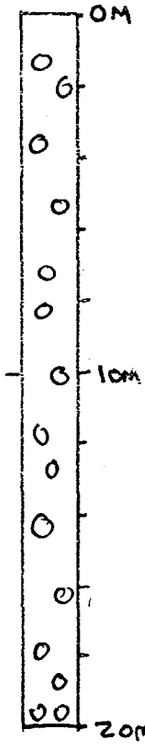
Hole No.: M99-1 page 1 of 2

LOCATION	DIP TEST			LEVEL	CORE SIZE	DATE STARTED
AREA or TWP. South of Ridge lake	FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED		BEARING Vertical	DATE FINISHED Feb 22 AM
CLAIM NO. 1201625.		NONE ~~TAKEN~~.		ELEVATION	CASING pulled	LOGGED BY M. Leahy, G. Pierce
NTS				LATITUDE LINE 7400 N.	LENGTH 144.5M	PURPOSE
				DEPARTURE 3250 EAST	CORE LOCATION TIMMINS.	RECOVERY See Seperate log.

DIAMOND DRILL HOLE LOCATION SKETCHES
CLAIM MAP Scale:

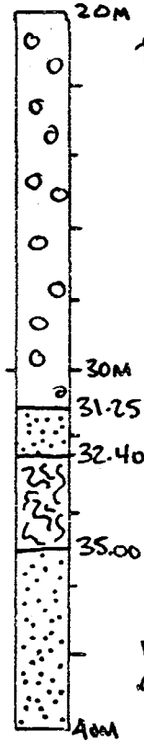
SIGNATURE: _____

DIAMOND DRILL HOLE LOCATION
WITH RESPECT TO CLAIM BOUNDARIES
Scale:



OVERBURDEN

Gray till 4A grades from fine clay to coarse till with clasts up to 5cm with clay matrix. Unit is uniform and appears to be impervious to water.

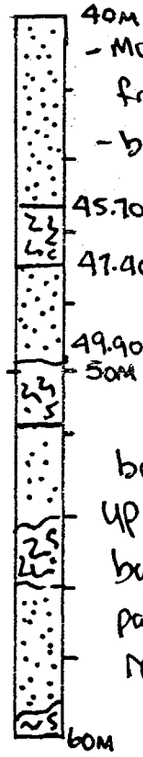


BASE of overburden.

31.25 2A1 Light brown unconsolidated residuum.

32.40 Recemented Residuum 2B1 Light tan colour, colloidal.

35.00 Light brown unconsolidated residuum with occasional green bands - pyrochlore? 2A1

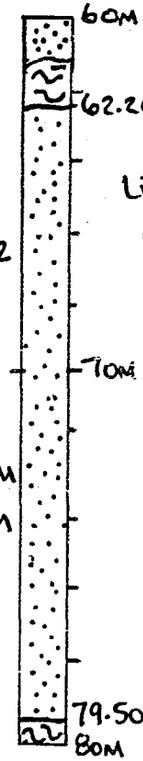


- Most substantial green bed from 41-42.5
- band of recemented from 39.5-40

45.70 Recemented Residuum 2B2 - Vuggy

47.40 Dark Green Unconsolidated Residuum

49.90 Mixed Zone (49.90-62.2) bands of recemated residuum up to 50cm. interbedded with bands of Limonitic and pale green unconsolidated residuum 2A1, bands. 2B1



62.20 2B1

Light brown-Limonitic Unconsolidated Residuum
- very uniform in texture and appearance
2A1

79.50 Consolidated Residuum minor cavities, fragmental texture 2C1,4

MARTISON PHOSPHATE PROJECT

DIAMOND DRILL HOLE RECORD SHEET

Company: MCK Mining - Baltic Resources J.V.

Project: DOH Litho Log

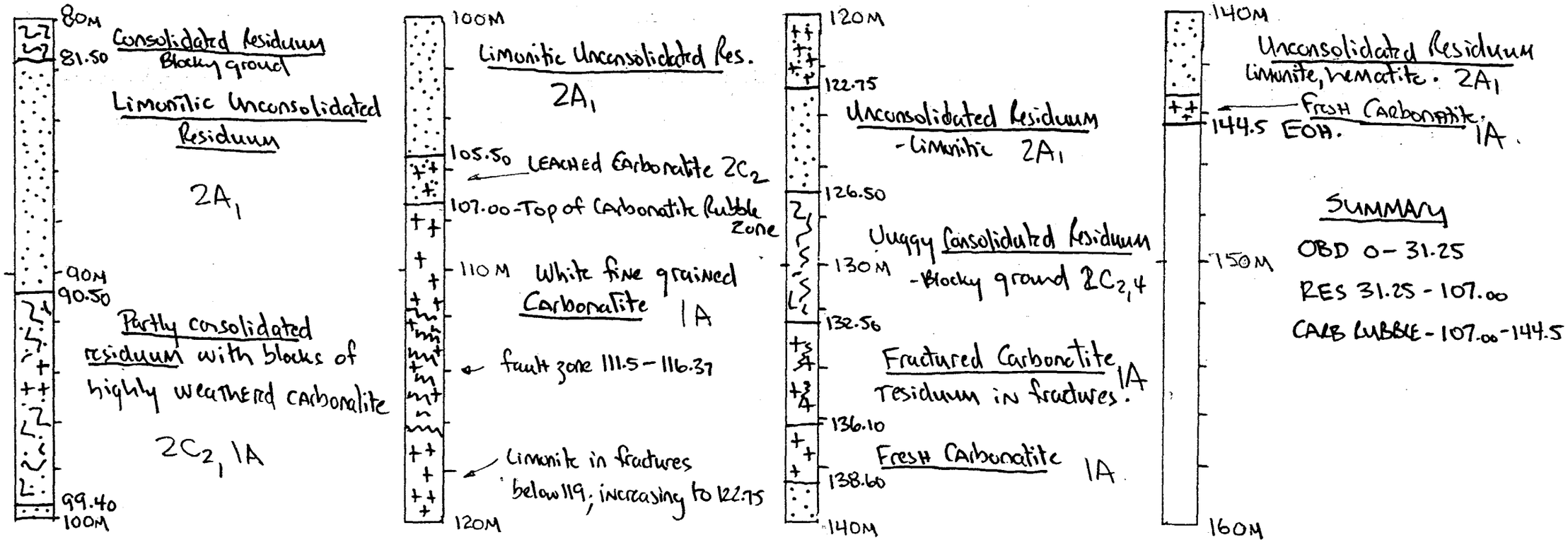
Hole No.: M.99-1 page 2 of 2

LOCATION	DIP TEST			LEVEL	CORE SIZE	DATE STARTED
AREA or TWP.	FOOTAGE	ANGLE			BEARING	DATE FINISHED
		RECORDING	CORRECTED			
CLAIM NO.				ELEVATION	CASING	LOGGED BY
				LATITUDE	LENGTH	PURPOSE
NTS				DEPARTURE	CORE LOCATION	RECOVERY

DIAMOND DRILL HOLE LOCATION SKETCHES
CLAIM MAP Scale:

SIGNATURE: _____

DIAMOND DRILL HOLE LOCATION
WITH RESPECT TO CLAIM BOUNDARIES
Scale:



MARTISON PHOSPHATE PROJECT

Project: FINAL Drill Lithology

Company: MCK Mining - BALTIC Resources J.V.

DIAMOND DRILL HOLE RECORD SHEET

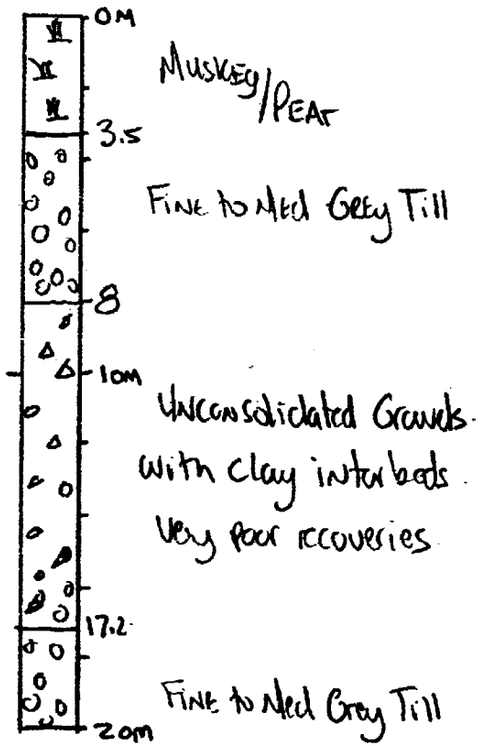
Hole No.: M-99-2 Pg 1 of 2

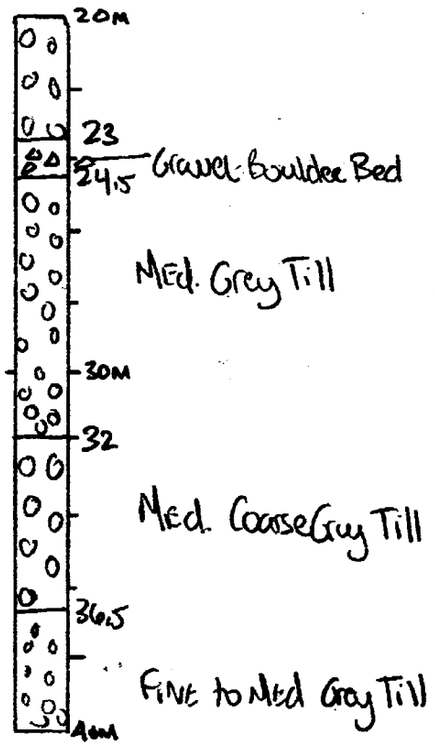
LOCATION		DIP TEST					
AREA or TWP.	South of Ridge lake	FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED	LEVEL SURFACE	CORE SIZE HQ TRIPLE TUBE	DATE STARTED MARCH 12
CLAIM NO.	1201625					BEARING	DATE FINISHED MARCH 14
NTS	42 J 6				ELEVATION 1000	CASING NOT USED.	LOGGED BY M. [illegible], C Pierce
					LATITUDE 8000N	LENGTH 141.5 METERS	PURPOSE
					DEPARTURE 2900E	CORE LOCATION TIMMINS	RECOVERY

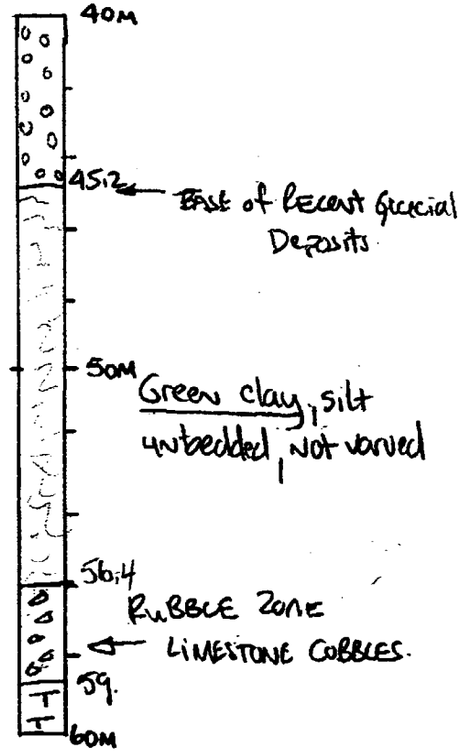
DIAMOND DRILL HOLE LOCATION SKETCHES
CLAIM MAP Scale:

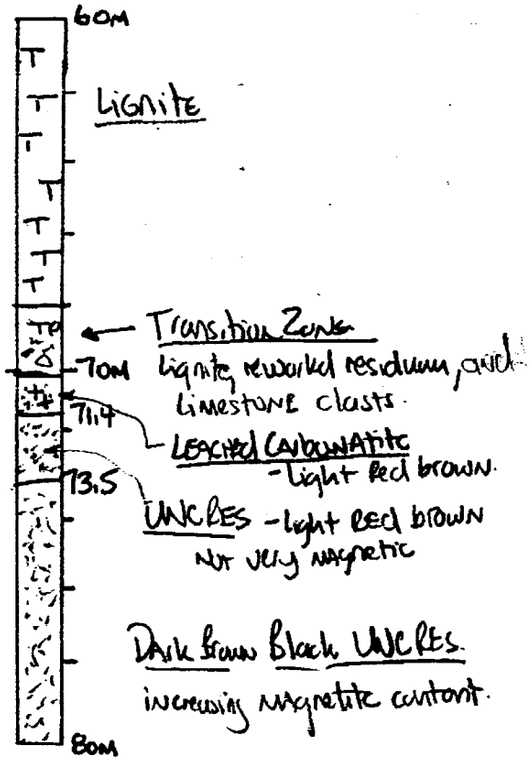
SIGNATURE: _____

DIAMOND DRILL HOLE LOCATION
WITH RESPECT TO CLAIM BOUNDARIES
Scale:









MARTISON PHOSPHATE PROJECT

DIAMOND DRILL HOLE RECORD SHEET

Project:

Hole No.: M99-2 pg 2 of 2

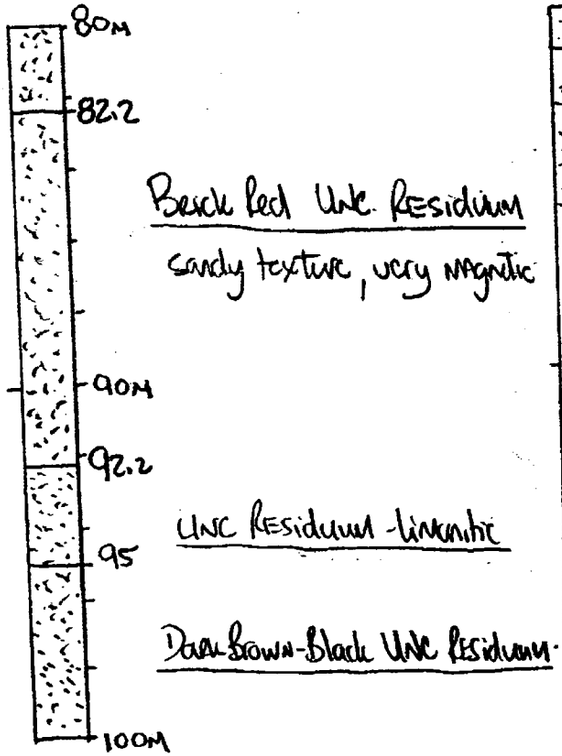
mp: MCK MINING - BALTIC RESOURCES J.V.

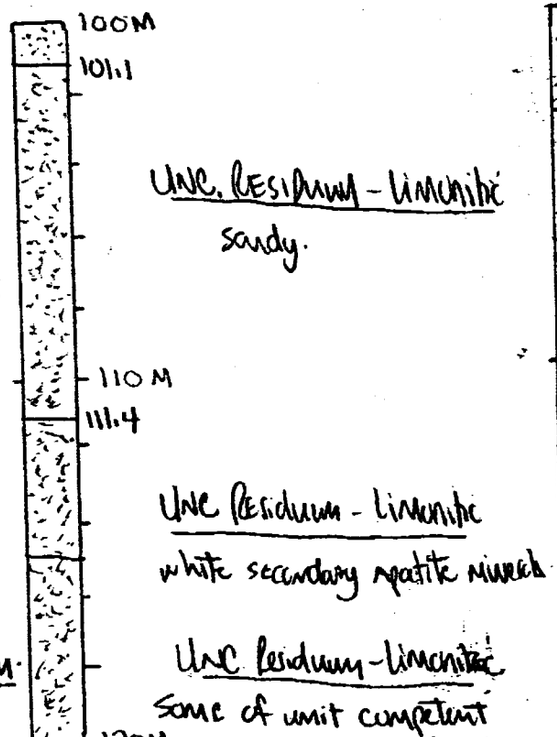
LOCATION	DIP TEST			LEVEL	CORE SIZE	DATE STARTED
	FOOTAGE	ANGLE				
REA or WP.		RECORDING	CORRECTED		BEARING	DATE FINISHED
LAIM NO.				ELEVATION	CASING	LOGGED BY
				LATITUDE	LENGTH	PURPOSE
VTS				DEPARTURE	CORE LOCATION	RECOVERY

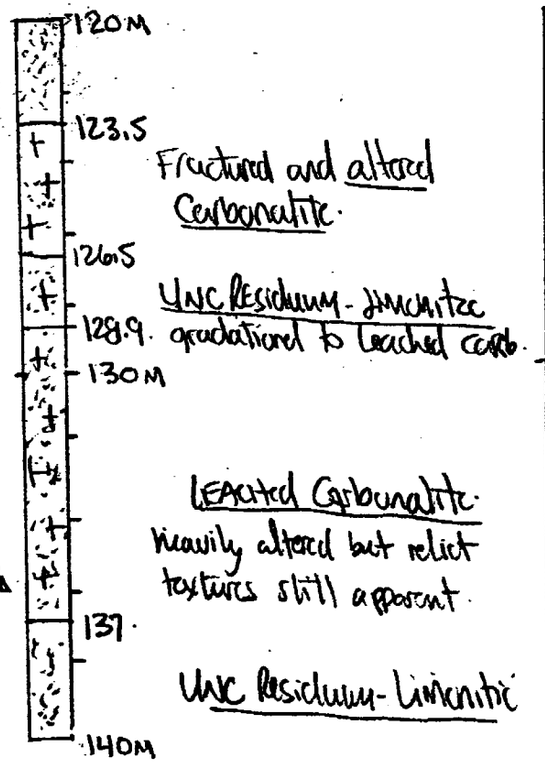
AMOND DRILL HOLE LOCATION SKETCHES
AIM MAP Scale:

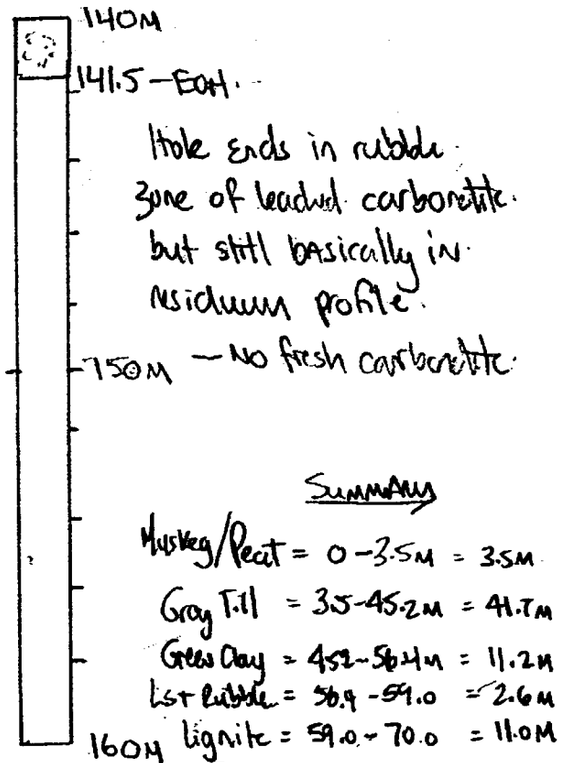
SIGNATURE:

DIAMOND DRILL HOLE LOCATION WITH RESPECT TO CLAIM BOUNDARIES
Scale:









Summary

Muskeg/Peat = 0 - 3.5M = 3.5M
Gray Till = 3.5 - 45.2M = 41.7M
Green Clay = 45.2 - 56.4M = 11.2M
1st Rubble = 56.9 - 59.0 = 2.6M
Lignite = 59.0 - 70.0 = 11.0M
Res = 70.0 - 141.5 = 71.5M

FRESH CARBONATITE NOT REACHED

MARTISON PHOSPHATE PROJECT

DIAMOND DRILL HOLE RECORD SHEET

Field Log

Project: DDH - Picture Log

Company: MCK Mining - BALTIC Resources J.V.

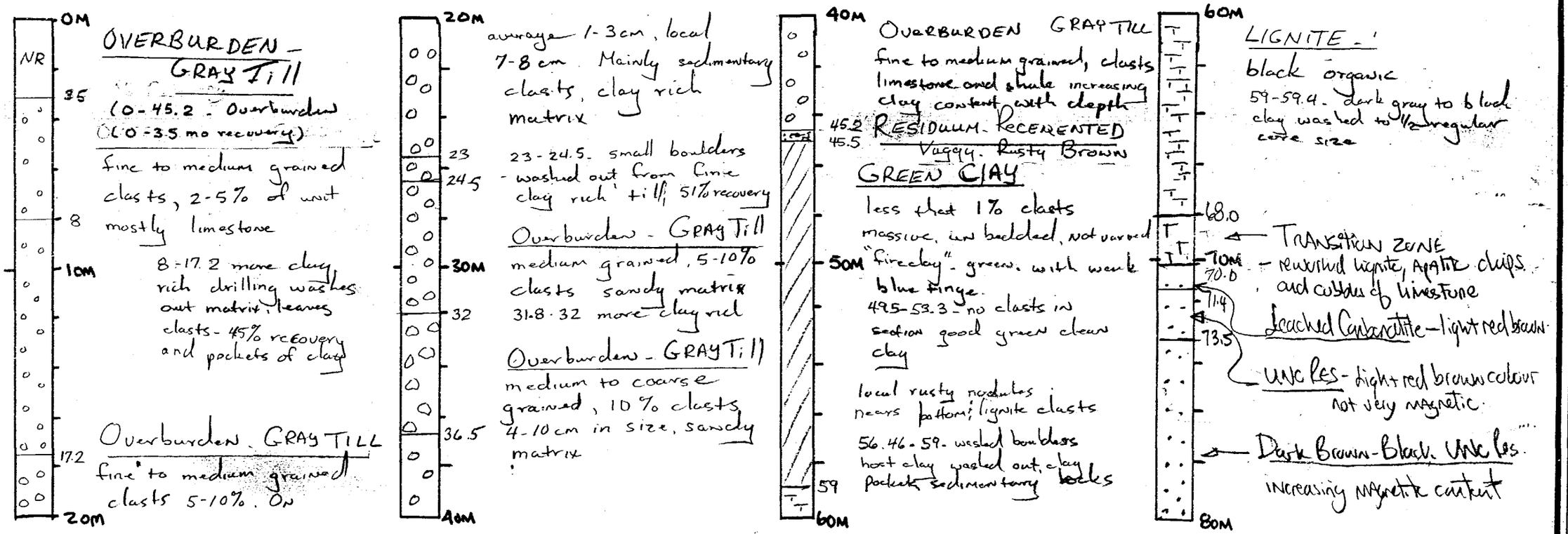
Hole No.: M99-2 Page 1 of 2

LOCATION	DIP TEST			LEVEL	CORE SIZE HQ TRIPLE TUBE Split tube	DATE STARTED March 12, 1999 AM
AREA or TWP. South of Ridge Lake	FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED		BEARING 0	DATE FINISHED March 14, 1999 PM
CLAIM NO. 1201625	0		-90	ELEVATION 1000	CASING Pulled	LOGGED BY M W LEAHEY
NTS 42 J 6				LATITUDE 8000 N	LENGTH 141.5 meters	PURPOSE
				DEPARTURE 2900 E	CORE LOCATION TIMMINS	RECOVERY Separate Log

DIAMOND DRILL HOLE LOCATION SKETCHES
CLAIM MAP Scale:

SIGNATURE: _____

DIAMOND DRILL HOLE LOCATION
WITH RESPECT TO CLAIM BOUNDARIES
Scale:



MARTISON PHOSPHATE PROJECT

DIAMOND DRILL HOLE RECORD SHEET

Project: DDH - Picture log

Company: MCK Mining - BALTIC Resources J.V.

Hole No.: M99-2 Page 2 of 2

LOCATION	DIP TEST			LEVEL	CORE SIZE	DATE STARTED
AREA or TWP.	FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED		BEARING	DATE FINISHED
CLAIM NO.				ELEVATION	CASING	LOGGED BY
NTS				LATITUDE	LENGTH	PURPOSE
				DEPARTURE	CORE LOCATION	RECOVERY

DIAMOND DRILL HOLE LOCATION SKETCHES
CLAIM MAP Scale:

SIGNATURE: _____

DIAMOND DRILL HOLE LOCATION
WITH RESPECT TO CLAIM BOUNDARIES
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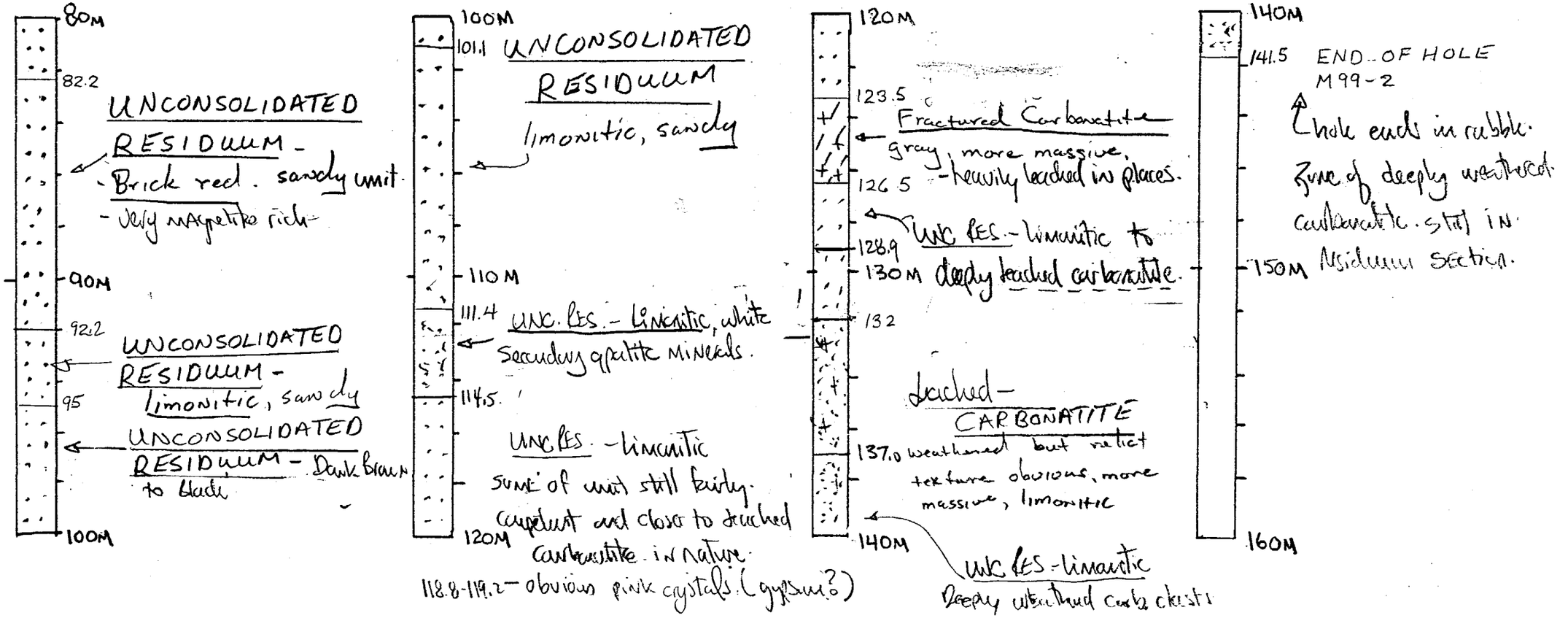


MARTISON PHOSPHATE PROJECT

FINAL COPY.

Project: DDH Litho Log.

Company: MCK Mining - BALTIC Resources J.V.

DIAMOND DRILL HOLE RECORD SHEET

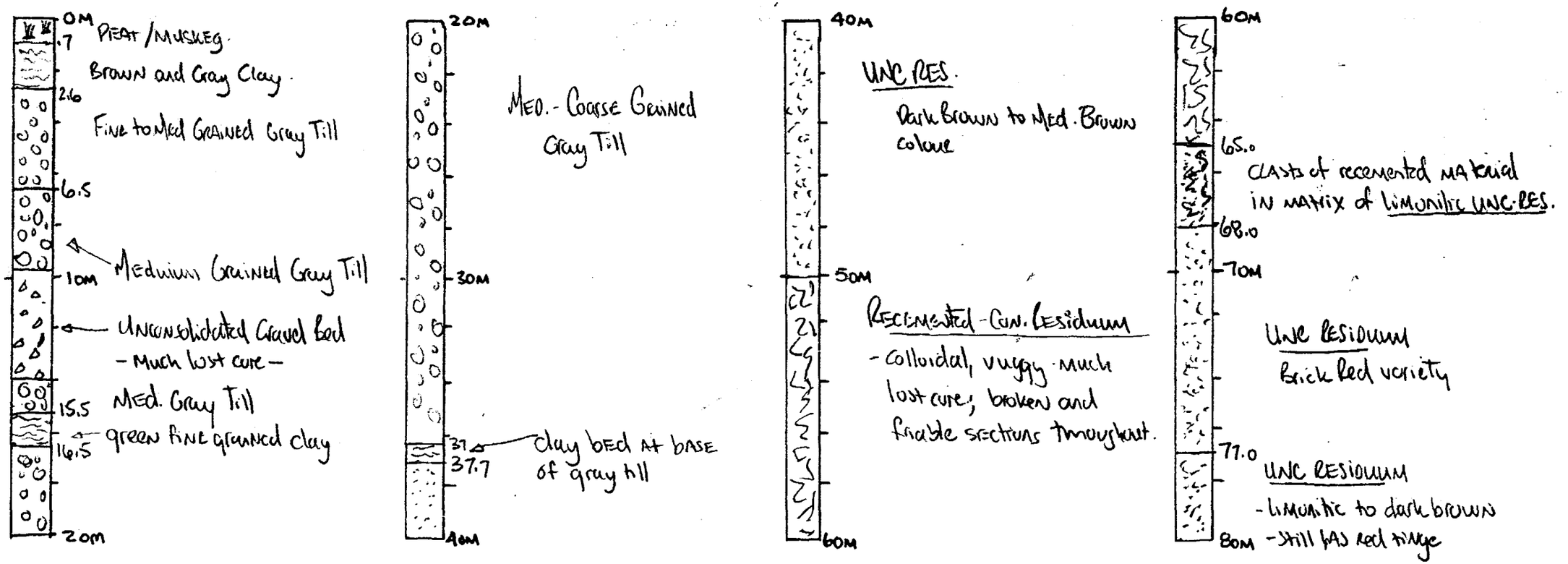
Hole No.: M-99-3 Pg 1 of 2

LOCATION	DIP TEST					
AREA or TWP. SOUTH of RIDDLE LAKE	FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED	LEVEL SURFACE	CORE SIZE HQ Triple Tube	DATE STARTED MARCH 14, 99
CLAIM NO. 1201625				TWIN 84-83	BEARING	DATE FINISHED MARCH 17 99
NTS 42J6				ELEVATION 1000	CASING Pulled.	LOGGED BY M. [illegible] G. Pierce
				LATITUDE 8100N	LENGTH 128 metres	PURPOSE [illegible]
				DEPARTURE 3147E	CORE LOCATION TIMMINS ONTARIO	RECOVERY

DIAMOND DRILL HOLE LOCATION SKETCHES
CLAIM MAP Scale:

SIGNATURE: _____

DIAMOND DRILL HOLE LOCATION
WITH RESPECT TO CLAIM BOUNDARIES
Scale:



MARTISON PHOSPHATE PROJECT

DIAMOND DRILL HOLE RECORD SHEET

Company: MCK Mining - BALTIC Resources J.V.

Project: Final Copy lithology.

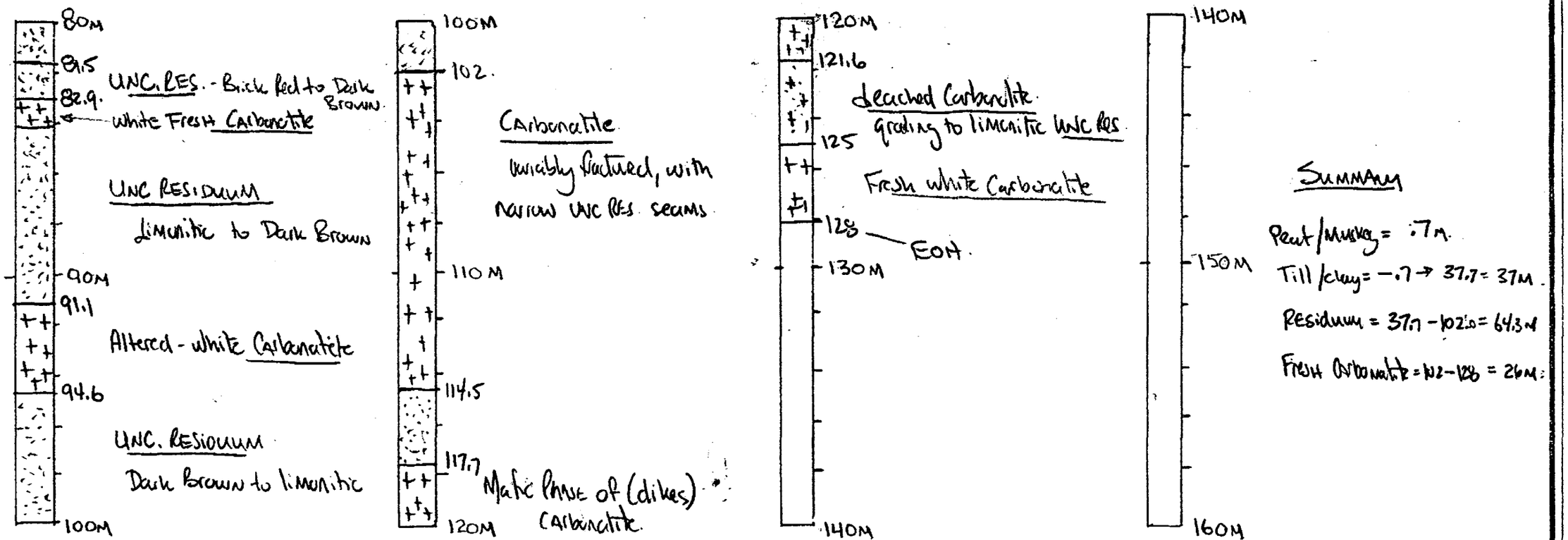
Hole No.: M99-3 Pg 2 of 2

LOCATION	DIP TEST			LEVEL	CORE SIZE	DATE STARTED
AREA or TWP.	FOOTAGE	ANGLE			BEARING	DATE FINISHED
		RECORDING	CORRECTED			
CLAIM NO.				ELEVATION	CASING	LOGGED BY
				LATITUDE	LENGTH	PURPOSE
NTS				DEPARTURE	CORE LOCATION	RECOVERY

DIAMOND DRILL HOLE LOCATION SKETCHES
CLAIM MAP Scale:

SIGNATURE: _____

DIAMOND DRILL HOLE LOCATION WITH RESPECT TO CLAIM BOUNDARIES
Scale:



MARTISON PHOSPHATE PROJECT

Field Log

Project: DDH - Picture Log

Company: MCK Mining - BALTIC Resources J.V.

DIAMOND DRILL HOLE RECORD SHEET

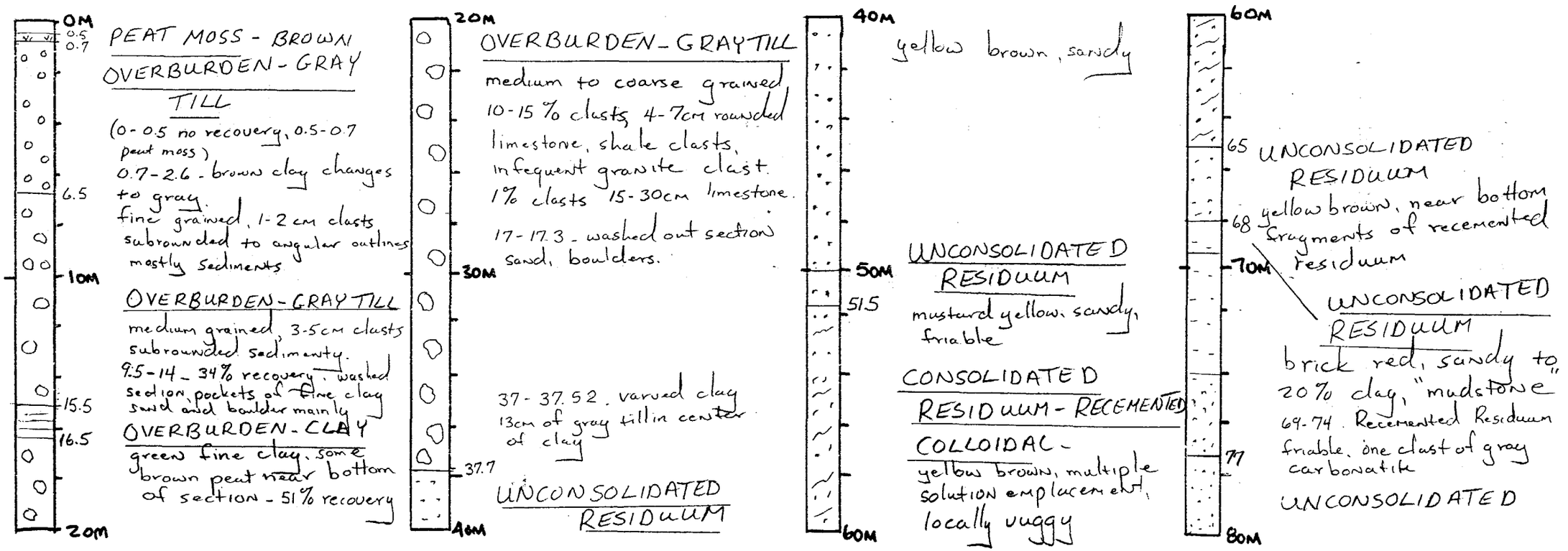
Hole No.: M99-3 Page 1 of 2

LOCATION	DIP TEST			LEVEL	CORE SIZE HQ TRIPLE TUBE (Split tube)	DATE STARTED March 14, 1999 PM
AREA or TWP. South of Ridge Lake	FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED	Twin (84-83)	BEARING 0	DATE FINISHED March 17, 1999 PM
CLAIM NO. 1201625	0		-90	ELEVATION 1000	CASING Pulled	LOGGED BY M W. Leahey
NTS 42 36				LATITUDE 8100 N	LENGTH 128 meters	PURPOSE
				DEPARTURE 3147 E	CORE LOCATION TIMMINS ON	RECOVERY separate log

DIAMOND DRILL HOLE LOCATION SKETCHES
CLAIM MAP Scale:

SIGNATURE: _____

DIAMOND DRILL HOLE LOCATION
WITH RESPECT TO CLAIM BOUNDARIES
Scale:



MARTISON PHOSPHATE PROJECT

DIAMOND DRILL HOLE RECORD SHEET

Project: DDH - Picture Log

Company: MCK Mining - BALTIC Resources J.V.

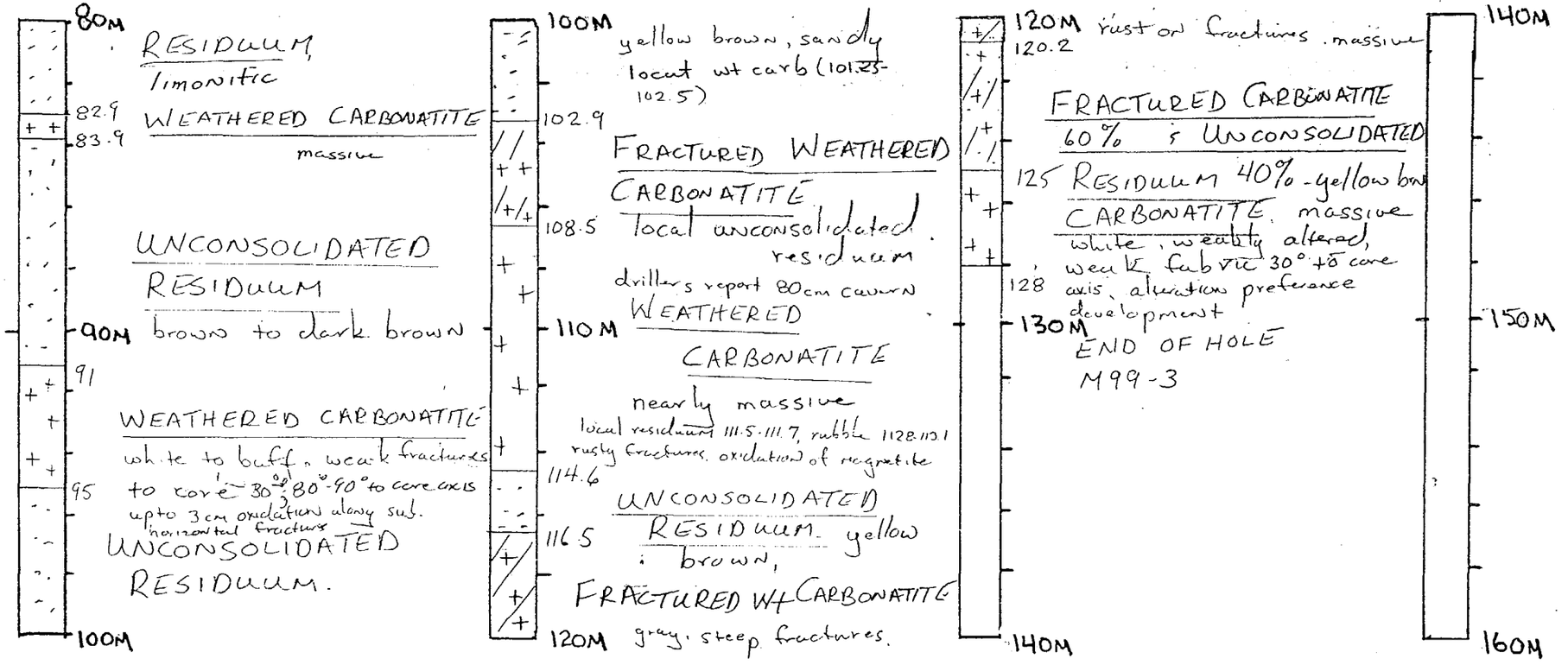
Hole No.: M99-3 Page 2 of 2

LOCATION	DIP TEST			LEVEL	CORE SIZE	DATE STARTED
AREA or TWP. South of Ridge Lake	FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED		BEARING	DATE FINISHED
CLAIM NO. 1201625				ELEVATION	CASING	LOGGED BY
NTS 42-3 6				LATITUDE	LENGTH	PURPOSE
				DEPARTURE	CORE LOCATION	RECOVERY

DIAMOND DRILL HOLE LOCATION SKETCHES
CLAIM MAP Scale:

SIGNATURE: _____

DIAMOND DRILL HOLE LOCATION WITH RESPECT TO CLAIM BOUNDARIES
Scale:



Martison Phosphate Project

Project: Final Litho Log

Company: MCK Mining - Baltic Resources J.V.

DIAMOND DRILL HOLE RECORD SHEET

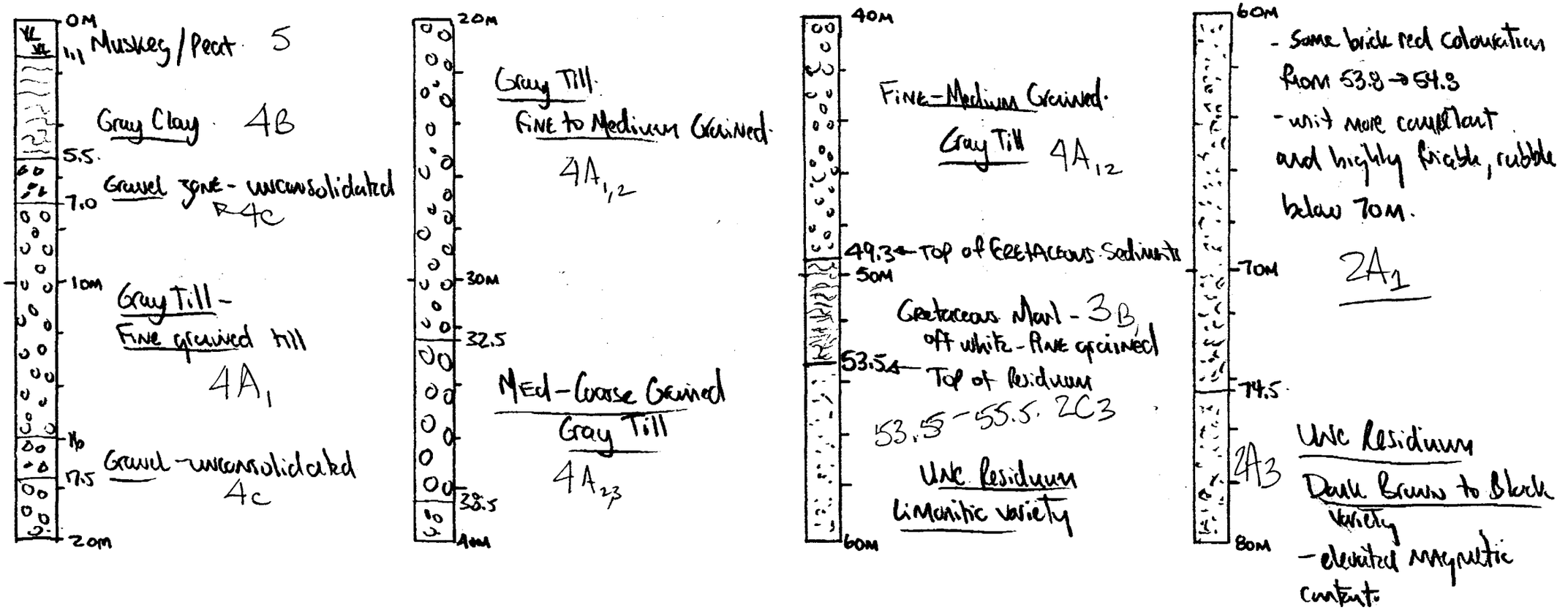
Hole No.: M99-9 pg 1 of 2

LOCATION	DIP TEST			LEVEL	CORE SIZE	DATE STARTED
AREA or TWP. South of Ridge Lake	FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED	Surface hole.	HQ triple tube	March 17 99
CLAIM NO. 1201625				ELEVATION 1000	BEARING Vertical	DATE FINISHED March 19 99.
NTS 42J6				LATITUDE 7700N	CASING Not Used.	LOGGED BY M. Bailey / S. Pierce
				DEPARTURE 3200 E	LENGTH 122.5 Meters.	PURPOSE
					CORE LOCATION Timmins.	RECOVERY

DIAMOND DRILL HOLE LOCATION SKETCHES
CLAIM MAP Scale:

SIGNATURE: _____

DIAMOND DRILL HOLE LOCATION
WITH RESPECT TO CLAIM BOUNDARIES
Scale:



MARTISON PHOSPHATE PROJECT

FINAL

Project: Littology.

Company: MCK Mining - Baltic Resources J.V.

DIAMOND DRILL HOLE RECORD SHEET

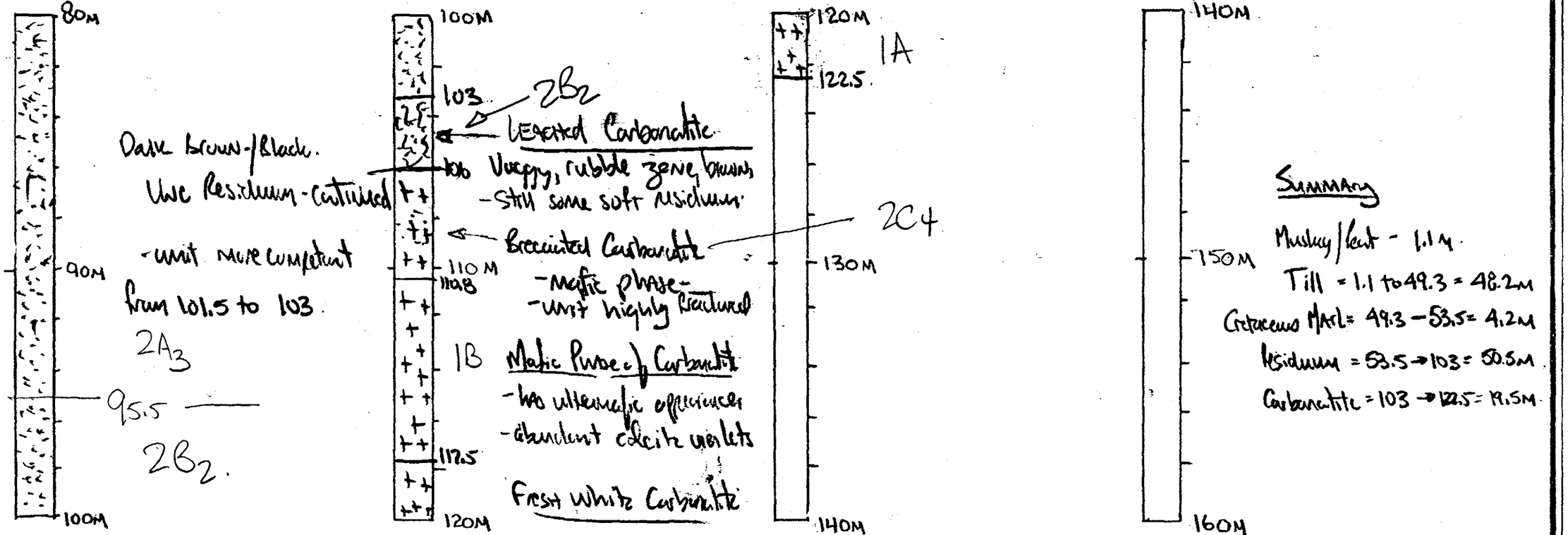
Hole No.: M99-4. fg 2062.

LOCATION	DIP TEST			LEVEL	CORE SIZE	DATE STARTED
AREA or TWP.	FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED		BEARING	DATE FINISHED
CLAIM NO.				ELEVATION	CASING	LOGGED BY
NTS				LATITUDE	LENGTH	PURPOSE
				DEPARTURE	CORE LOCATION	RECOVERY

DIAMOND DRILL HOLE LOCATION SKETCHES
CLAIM MAP Scale:

SIGNATURE: _____

DIAMOND DRILL HOLE LOCATION
WITH RESPECT TO CLAIM BOUNDARIES
Scale:



MARTISON PHOSPHATE PROJECT

FINAL

Company: MCK Mining - Baltic Resources J.V.

DIAMOND DRILL HOLE RECORD SHEET

Project: DDH - Picture log

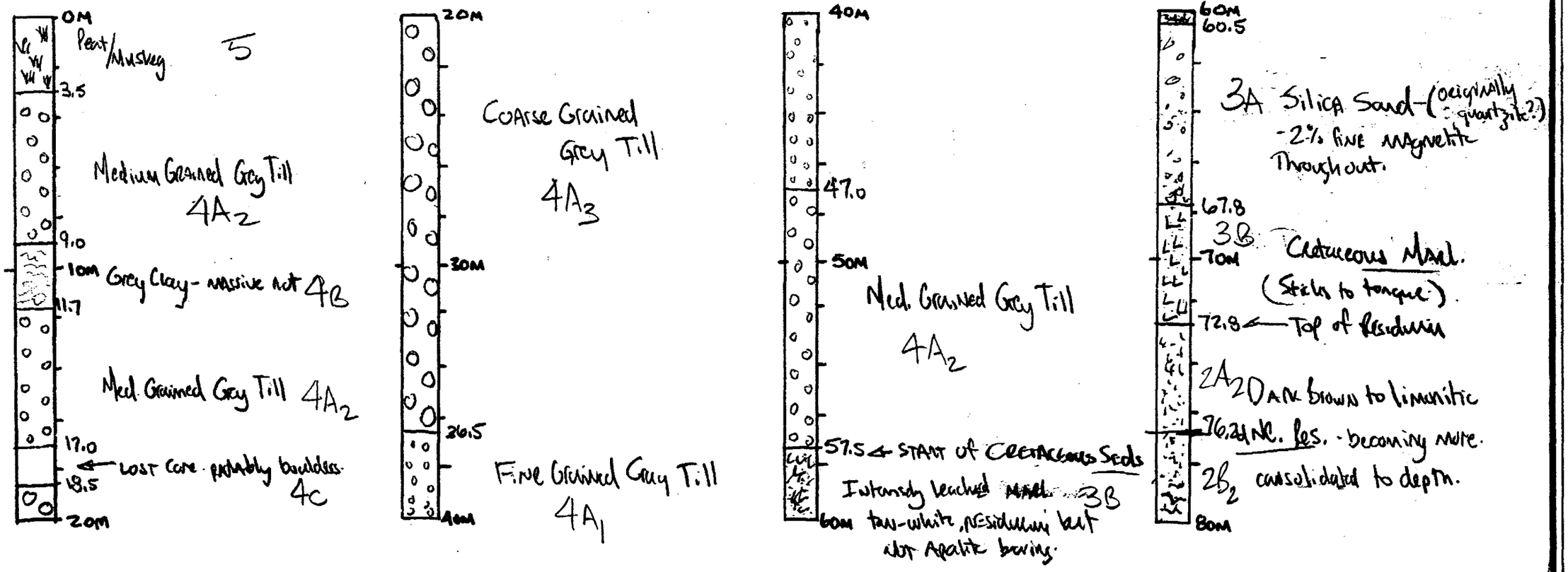
Hole No.: M99-5 Page 1 of 2

LOCATION	DIP TEST			LEVEL	CORE SIZE HQ triple tube (split tube)	DATE STARTED March 19, 1999 AM
AREA or TWP. South of Ridge Lake	FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED	Proposed "S"	BEARING 0	DATE FINISHED March 21, 1999 PM
CLAIM NO. 1201625				ELEVATION 1000	CASING Pulled	LOGGED BY Graham Pierce/M Leahy.
NTS 42 J 6				LATITUDE 7800 N	LENGTH 170 meters	PURPOSE
				DEPARTURE 3200 E	CORE LOCATION TIMMINS	RECOVERY Separate log

DIAMOND DRILL HOLE LOCATION SKETCHES
CLAIM MAP Scale:

SIGNATURE: _____

DIAMOND DRILL HOLE LOCATION
WITH RESPECT TO CLAIM BOUNDARIES
Scale:



MARTISON PHOSPHATE PROJECT

FINAL

Project: DDH Picture log

Company: MCK Mining - BALTIC Resources J.V.

DIAMOND DRILL HOLE RECORD SHEET

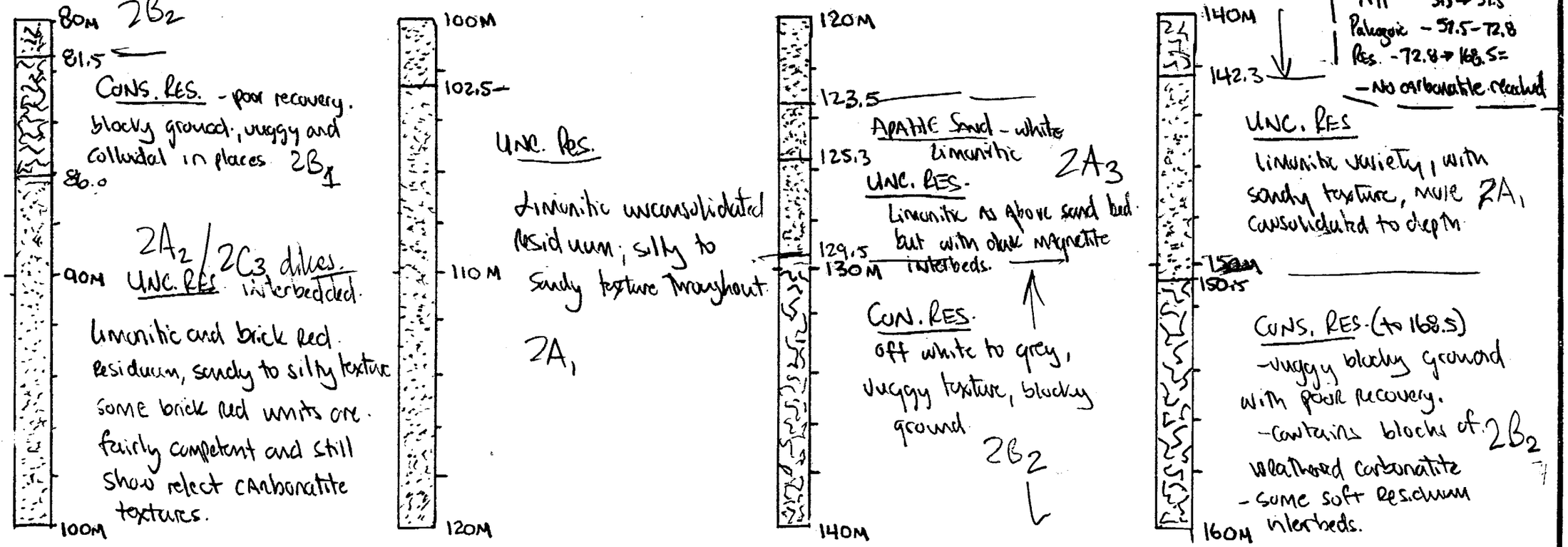
Hole No.: M99-5 Page 2 of 2

LOCATION	DIP TEST			LEVEL	CORE SIZE	DATE STARTED
AREA or TWP.	FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED		BEARING	DATE FINISHED
CLAIM NO.				ELEVATION	CASING	LOGGED BY G.Pierce / M Leahy.
NTS				LATITUDE	LENGTH	PURPOSE
				DEPARTURE	CORE LOCATION	RECOVERY

DIAMOND DRILL HOLE LOCATION SKETCHES
CLAIM MAP Scale:

SIGNATURE: _____

DIAMOND DRILL HOLE LOCATION
WITH RESPECT TO CLAIM BOUNDARIES
Scale:



MARTISON PHOSPHATE PROJECT

DIAMOND DRILL HOLE RECORD SHEET

Project: FINAL DDH LITHO LOG.

Company: MCK MINING - BALTIC RESOURCES J.V.

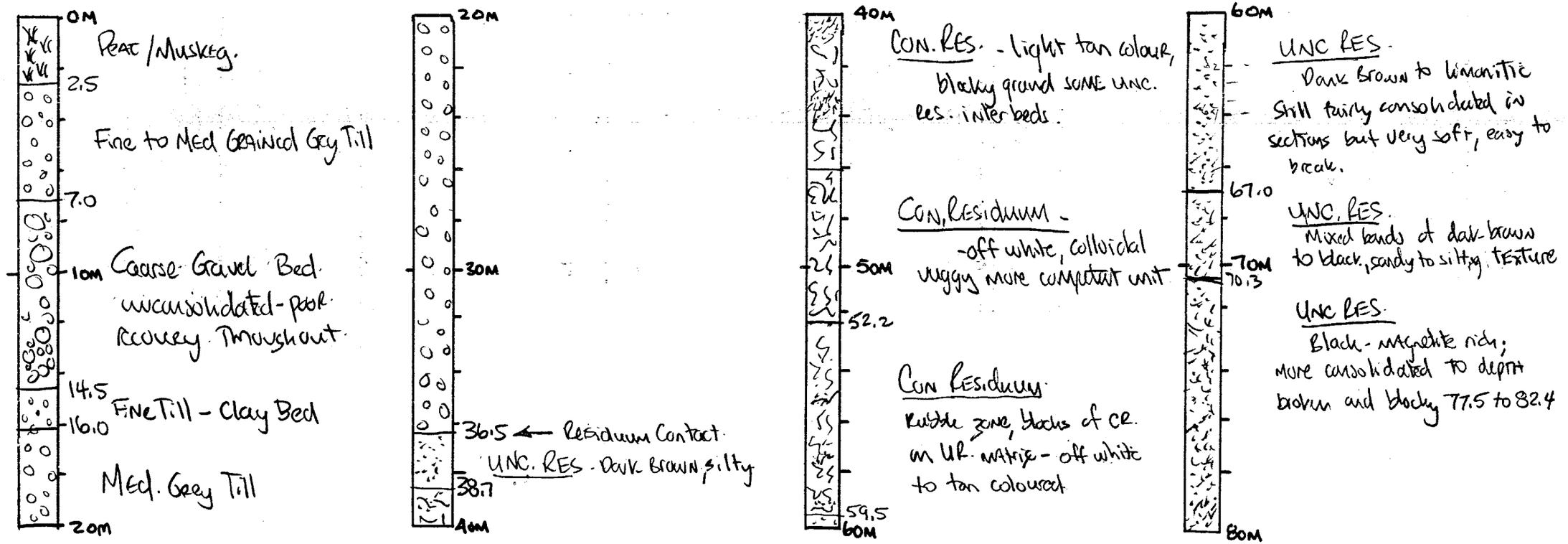
Hole No.: M-99-6 (originally planned as CG6)

LOCATION	DIP TEST						
AREA or TWP. MARTISON LAKE South of Ridge Lake	FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED	LEVEL SURFACE	CORE SIZE HQ TRIPLE TUBE	DATE STARTED MARCH 21
CLAIM NO. 120 1625.					BEARING VERTICAL.	DATE FINISHED MARCH 24 AM
NTS				ELEVATION	CASING NOT USED.	LOGGED BY G PIERCE
				LATITUDE 8000 N.	LENGTH 143.5 METERS.	PURPOSE
				DEPARTURE 3050 E	CORE LOCATION TIMMINS.	RECOVERY

DIAMOND DRILL HOLE LOCATION SKETCHES
CLAIM MAP Scale:

SIGNATURE: _____

DIAMOND DRILL HOLE LOCATION
WITH RESPECT TO CLAIM BOUNDARIES
Scale:



MARTISON PHOSPHATE PROJECT

DIAMOND DRILL HOLE RECORD SHEET

Project: Litholog - Pg 2 of 2.

Hole No.: DDH M-99-6

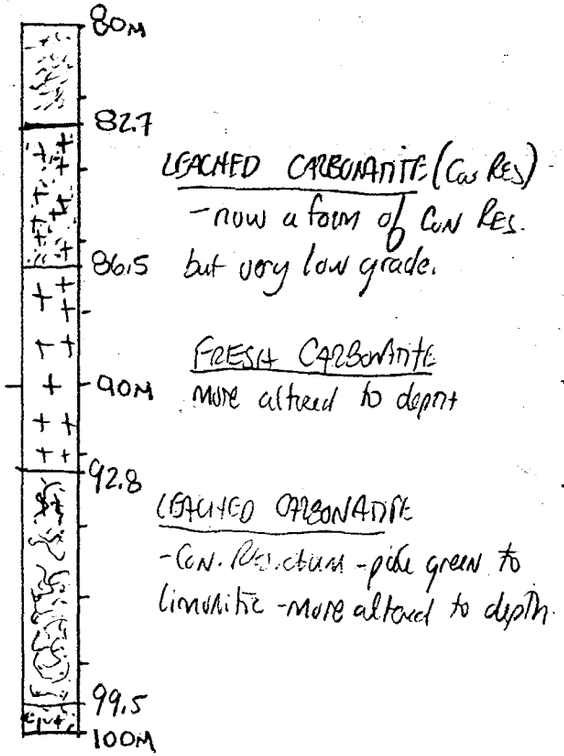
pany: MCK Mining - BALTIC Resources J.V.

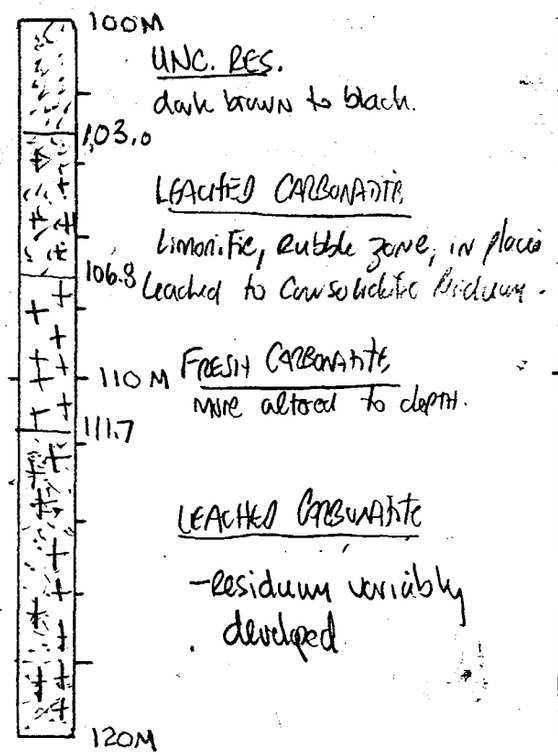
LOCATION	DIP TEST			LEVEL	CORE SIZE	DATE STARTED
AREA or TWP.	FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED		BEARING	DATE FINISHED
CLAIM NO.				ELEVATION	CASING	LOGGED BY
NTS				LATITUDE	LENGTH	PURPOSE
				DEPARTURE	CORE LOCATION	RECOVERY

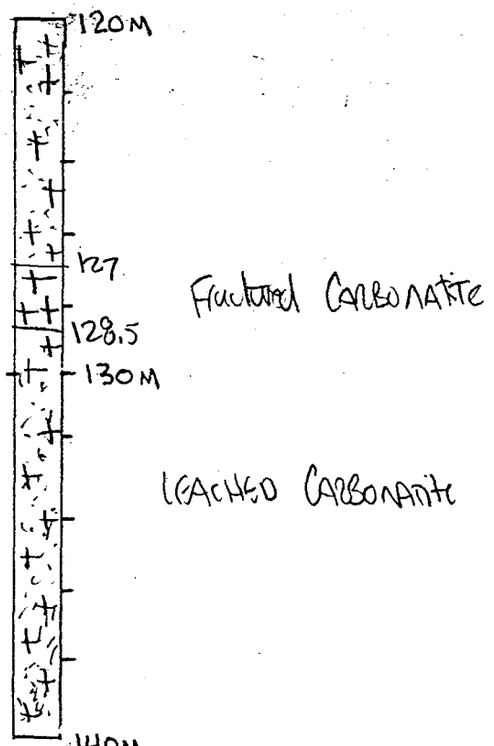
DIAMOND DRILL HOLE LOCATION SKETCHES
CLAIM MAP Scale:

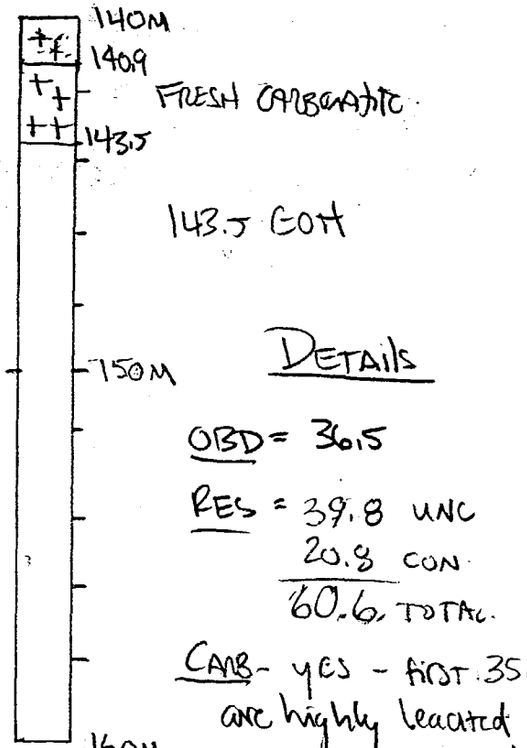
SIGNATURE: _____

DIAMOND DRILL HOLE LOCATION
WITH RESPECT TO CLAIM BOUNDARIES
Scale:









MARTISON PHOSPHATE PROJECT

FINAL

Company: MCK Mining - BALTIC Resources J.V.

DIAMOND DRILL HOLE RECORD SHEET

Project: Lithology

Hole No.: M-99-7 Pg 1 of 2

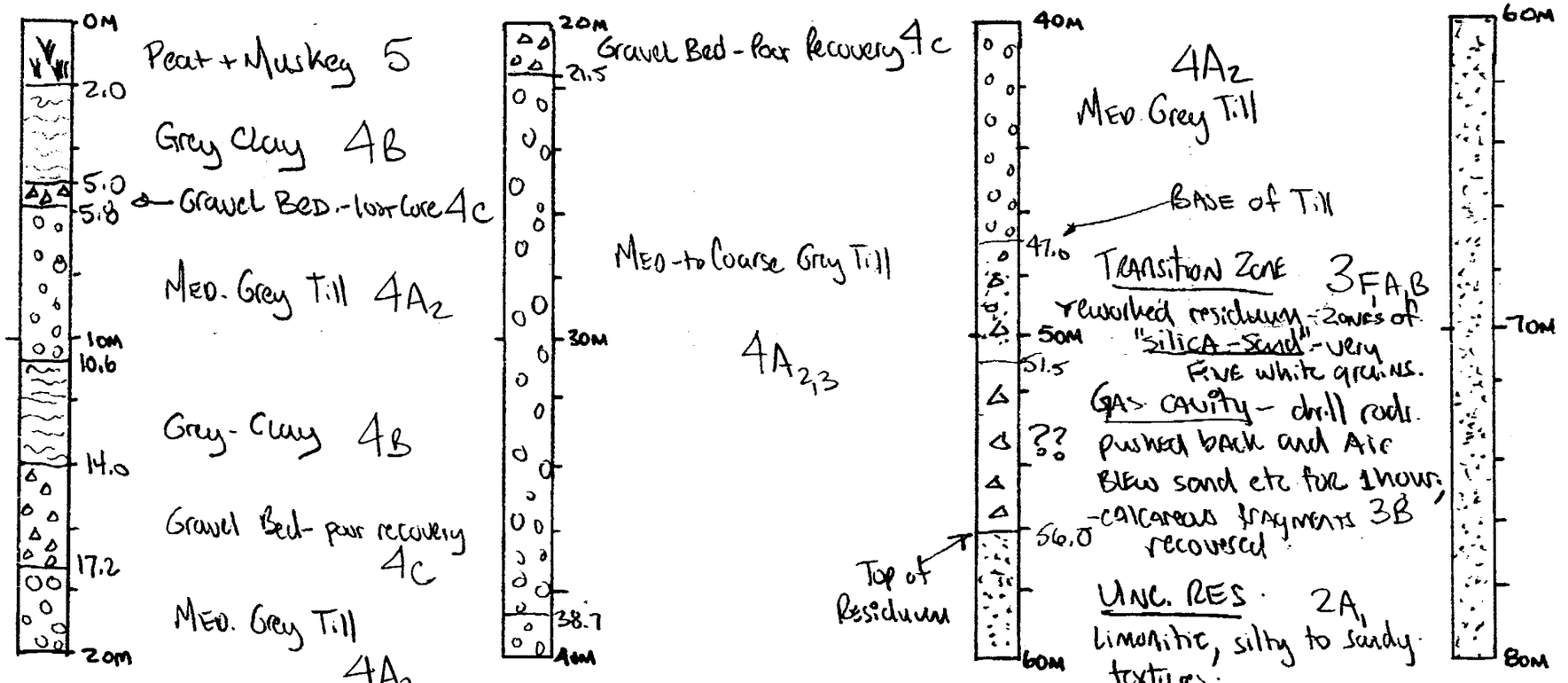
LOCATION		DIP TEST					
AREA or TWP.	MARTISON LAKE (South of Ridge Lake)	FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED	LEVEL	CORE SIZE	HQ Triple Tube.
CLAIM NO.	1201625					BEARING	
NTS					ELEVATION SURFACE	CASING	NOT USED.
					LATITUDE 7700 North	LENGTH	137.5M.
					DEPARTURE 3100 East	CORE LOCATION	TIMMINS.

DATE STARTED	MARCH 24TH
DATE FINISHED	MARCH 26TH
LOGGED BY	G. PIERCE
PURPOSE	
RECOVERY	

DIAMOND DRILL HOLE LOCATION SKETCHES
CLAIM MAP Scale:

SIGNATURE: _____

DIAMOND DRILL HOLE LOCATION
WITH RESPECT TO CLAIM BOUNDARIES
Scale:



MARTISON PHOSPHATE PROJECT

DIAMOND DRILL HOLE RECORD SHEET

Company: MCK Mining - BALTIC Resources J.V.

Project: _____

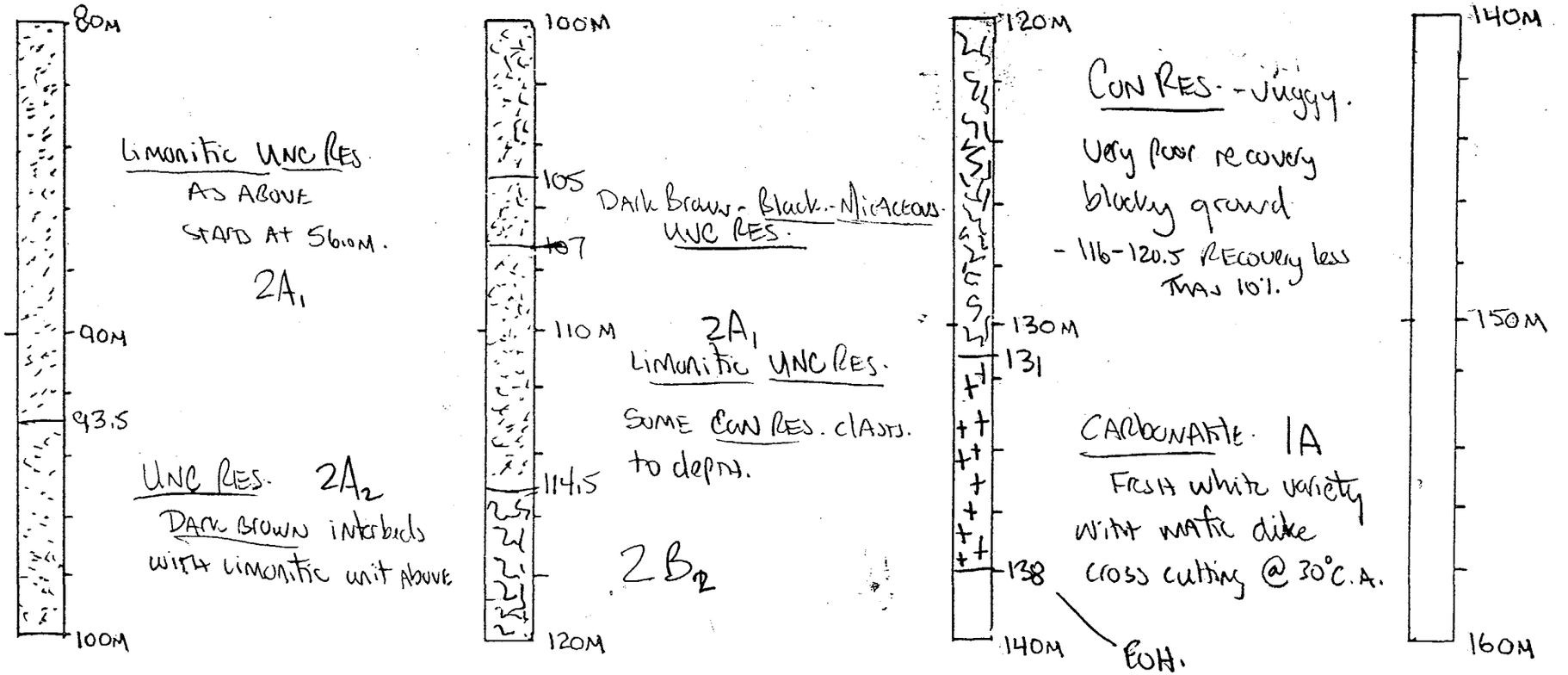
Hole No.: M-99-7 page 2 of 2.

LOCATION	DIP TEST			LEVEL	CORE SIZE	DATE STARTED
AREA or TWP. Martison-Lake.	FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED		BEARING	DATE FINISHED
CLAIM NO.				ELEVATION	CASING	LOGGED BY
NTS				LATITUDE	LENGTH	PURPOSE
				DEPARTURE	CORE LOCATION	RECOVERY

DIAMOND DRILL HOLE LOCATION SKETCHES
CLAIM MAP Scale:

SIGNATURE: _____

DIAMOND DRILL HOLE LOCATION WITH RESPECT TO CLAIM BOUNDARIES
Scale:



MARTISON PHOSPHATE PROJECT 13

FINAL

DIAMOND DRILL HOLE RECORD SHEET

Company: MCK MINING - BALTIC RESOURCES J.V.

Project: LITHOLOGY

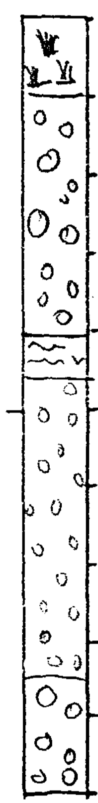
Hole No.: M-99-8 page 1 of 1

LOCATION		DIP TEST			LEVEL		CORE SIZE	HQ Triple tube	DATE STARTED	March 26
AREA or TWP.	South of [illegible]. MARTISON LAKE.	FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED			BEARING	VERTICAL.	DATE FINISHED	March 27
CLAIM NO.	1223558				ELEVATION	SURFACE	CASING	NOT USED	LOGGED BY	G. Pierce
					LATITUDE	7800 N.	LENGTH	74.0 M.	PURPOSE	LAST HOLE IN 1999.
NTS					DEPARTURE	3900 EAST.	CORE LOCATION		RECOVERY	

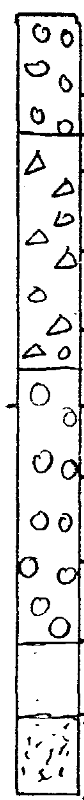
DIAMOND DRILL HOLE LOCATION SKETCHES
CLAIM MAP Scale:

SIGNATURE: ____________

DIAMOND DRILL HOLE LOCATION
WITH RESPECT TO CLAIM BOUNDARIES
Scale:

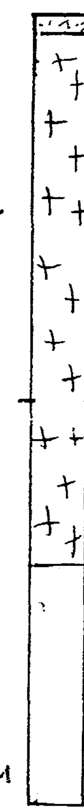


0M – PEAT AND MUSKEG 5
2.0 – Med to Coarse Grey Till 4A2,3
8.0 – 9.1 – Grey CLAY 4B
10M
MED. Grey Till 4A2
16.5 – Coarse Grey Till 4A3
20M



20M
23.0 – Gravel Bed 4C – very poor recovery.
29.0
30M
Coarse Grey Till 4A3
36.0 – No recovery - gravel bed? 4C
38.0 — TOP OF residuum
40M

40M
UNC RES 2A1
- limonitic, silty-sandy.
- uniform appearance.
49.3
50M
UNC. RES. 2A2
Dark Brown colour appears gradational from limonitic variety above
- unit in places has more clay than residuum above.
60M



60M
60.5
CARBONATITE. 1A, 1B, 1d.
First 3 meters are broken, rubble zone
- White carbonatite bits.
mafic dikes throughout.
- 20-40 CM rubble zones at 3 to 5 meter intervals.
70M
74.0 EOH
80M

DETAILS
OBD = 38 M.
RES. = 22.5 M - UNC.
CARB = YES.

% Recovery Log D.H. CG-1

Summary Litho Units Est. % Rec.

O.B. 32.0 – 33.17 m = +95%

Unconsol. Res. 33.17 – 37.70 m = 40% U

Consol. Cem Res. 37.70 – 42.80 m = 62% R.] 16.5 @ 65%

~~Unconsol Res 42.80 – 48.00 m =~~

Consol. Cem. Res. 42.80 – 54.15 m = 67% R.

Unconsol Res 54.15 – 65.00 m = 70% U] 10.8 @ 70

Consol. Cem. Res. 65.00 – 70.00 m = 83% R.

Mixed Res. Consol & Unconsol 70.00 – 72.00 m = 90% R.] 7 @ 86%

Unconsol. Res. 72.00 – 84.70 m = 78% U] 12.7 @ 78

Weathered Mafic Unit 84.70 – 92.30 m = 75% R.] 7.6 @ 75

Unconsol. Res. 92.30 – 111.70 m = 45% U] 26.7 @ 45.

Mixed Res. Consol & Unconsol. 111.70 – 119.0 m = 45% U.

119.0 = EOH.

Est. % Core Rec. Per Core Run

32.0 – 33.5 m = +95% (O.B.)

33.5 – 35.0 m = 65%

35.0 – 36.5 m = 7% — 37% / 4.5 m

36.5 – 38.0 m = 40%

38.0 – 39.5 m = 50%

39.5 – 41.0 m = 60% — 62% / 4.5 m

41.0 – 42.5 m = 75%

42.5 – 44.0 m = +90% ?

44.0 – 45.5 m = ±95% ? — 67% / 12.0 m

45.5 – 47.0 m = +80%

47.0 – 48.5 m = 55%

48.5 – 50.0 m = 55%

50.0 – 51.5 m = +95%

51.5 – 53.0 m = +90%

53.0 – 54.5 m = 65%

54.5 – 56.0 m = 75%

56.0 – 57.5 m = 55%

57.5 – 59.0 m = 70% — 70% / 10.5

59.0 – 60.5 m = 65%

60.5 – 62.0 m = +95%

62.0 - 63.5 m = 70%
63.5 - 65.0 m = 55%
65.0 - 66.5 m = 75%
66.5 - 68.0 m = 85%
68.0 - 69.5 m = 95%
69.5 - 71.0 m = 77%
71.0 - 72.5 m = 90%
72.5 - 74.0 m = 85%
74.0 - 75.5 m = 85%
75.5 - 77.0 m = 90%
77.0 - 78.5 m = 60%
78.5 - 80.0 m = 85%
80.0 - 81.5 m = 95%
81.5 - 83.0 m = 65%
83.0 - 84.5 m = 60%
84.5 - 86.0 m = 55%
86.0 - 87.5 m = 75%
87.5 - 89.0 m = 70%
89.0 - 90.5 m = 95%
90.5 - 92.0 m = 75%
92.0 - 93.5 m = 90%
93.5 - 95.0 m = 12%
95.0 - 96.5 m = 25%
96.5 - 98.0 m = 20%
98.0 - 99.5 m = 95%
99.5 - 101.0 m = 45%
101.0 - 102.5 m = 55%
102.5 - 104.0 m = 35%
104.0 - 105.5 m = 70%

83% / 6.0 m

90% / 1.5 m

78% / 12.0 m

75% / 7.5 m

45% / 19.5 m

105.5 - 107.0 m = 40%
107.0 - 108.5 m = 35%
108.5 - 110.0 m = 25%
110.0 - 111.5 m = 25%
111.5 - 113.0 m = 60%
113.0 - 114.5 m = 90%
114.5 - 116.0 m = 30%
116.0 - 117.5 m = 15%
117.5 - 119.0 m = 30%

AVERAGE CORE RECOVERY IN bedrock (33.5 - 119.0 m)
= 62.4% / 85.5 m

33.5 / 85.5

FAX P-1

(P-1)

MAR. 8/99

CG-2 (CORE RECOVERY Log %)

From	To	% Rec.		From	To	% Rec.	
44.0	45.5	57		83.0	84.5	77	
45.5	47.0	90		84.5	86.0	54	48.5% / 6.0m
47.0	48.5	20		86.0	87.5	28	
48.5	50.0	74		87.5	89.0	35	
50.0	51.5	77	57.5% / 15.0m	89.0	90.5	59	
51.5	53.0	40		90.5	92.0	65	
53.0	54.5	68		92.0	93.5	66	58.5% / 9.0m
54.5	56.0	82		93.5	95.0	75	
56.0	57.5	32		95.0	96.5	53	
57.5	59.0	35		96.5	98.0	33	
59.0	60.5	45		98.0	99.5	45	
60.5	62.0	56	57.8% / 4.0m	99.5	101.0	47	42.3% / 4.5m
62.0	63.5	63		101.0	102.5	35	
63.5	65.0	21		102.5	104.0	73	
65.0	66.5	70		104.0	105.5	84	84.0% / 4.5m
66.5	68.0	92		105.5	107.0	95	
68.0	69.5	68		107.0	108.5	85	
69.5	71.0	58		108.5	110.0	77	
71.0	72.5	51	60.3% / 10.5m	110.0	111.5	90	80.0% / 7.5m
72.5	74.0	65		111.5	113.0	78	
74.0	75.5	38		113.0	114.5	70	
75.5	77.0	64		114.5	116.0	70	
77.0	78.5	78		116.0	117.5	85	71.3% / 6.0m
78.5	80.0	95		117.5	119.0	95	
80.0	81.5	75	72.3% / 4.5m	119.0	120.5	35	
81.5	83.0	47		120.5	122.0	7	

MAR 8/99

FAX p.

C.G-2 cont't

From	TO	% Rec	
122.0	123.5	= 42	24.5% / 3.0m
123.5	125.0	= 20	46.0% / 6.0m
125.6	126.5	= 53	
126.5	128.0	= 73	
128.0	129.5	= 38	
129.5	131.0	= 85	85.0% / 1.5m

129.2 → Top of Carbonatite

131.0m = E.O.H.

AVERAGE CORE RECOVERY 44.0 to 131.0m = 60.14% / 87.0

Summary

43.3 Top of Residuum

43.3 - 59.0m Clay unit - 57.5%

59.0 - 68.6m Unconsol. Res. - 57.8%

68.6 - 78.5m White to tan unconsol. Res. - 60.3%

78.5 - 83.0m Limonitic unconsol Res. - 72.3%

83.0 - 89.2m Recemented Resid. - 48.5%

89.2 - 98.1m High grade Recemented Res. - 58.5%

98.1 - 103.2m unconsol. limonitic Res. - 42.3%

103.2 - 106.7m Carbonatite Bx. (unconsol. Res.) - 84.0%

106.7 - 114.5m unconsol. limonitic Bx. - 80.0%

114.5 - 120.5m D. Brown unconsol. Res. - 71.3%

120.5 - 123.5m Carbonatite Rubble - 25%

123.5 - 129.2m Dark brown unconsol. Res. - 46%

129.2 - 131.0m Carbonatite - 85%

AV. = 60.15% over 87.70m

FAXed to G.P. MAR 11/99

(P-1)

CG-3

MAR. 24/99
N. MACISAAC

% CORE RECOVERY LOG

Bottom of Till = 80.3 m

80.0 - 81.5 = 97 %
81.5 - 83.0 = 98
83.0 - 84.5 = 95
84.5 - 86.0 = 93
95.8 %
6.0 m

86.0 - 87.5 = 93
87.5 - 89.0 = 90
89.0 - 90.5 = 90
90.5 - 92.0 = 86
92.0 - 93.5 = 92
93.5 - 95.0 = 95
91.0 %
9.0 m

95.0 - 96.5 = 97
96.5 - 98.0 = 92
98.0 - 99.5 = 85
99.5 - 101.0 = 95
101.0 - 102.5 = 93
102.5 - 104.0 = 95
104.0 - 105.5 = 90
105.5 - 107.0 = 95
107.0 - 108.5 = 90
92.4
13.5 m

108.5 - 110.0 = 97
110.0 - 111.5 = 72
111.5 - 113.0 = 85
113.0 - 114.5 = 90
114.5 - 116.0 = 92
116.0 - 117.5 = 82
86.3 %
9.0 m

82 79/75

117.5 - 119.0 = 90
119.0 - 120.5 = 90
120.5 - 122.0 = 85
122.0 - 123.5 = 70
123.5 - 125.0 = 80
125.0 - 126.5 = 77
82.0 %
9.0 m

126.5 - 128.0 = 93
128.0 - 129.5 = 55
129.5 - 131.0 = 79
131.0 - 132.5 = 90
132.5 - 134.0 = 67
134.0 - 135.5 = 95
135.5 - 137.0 = 83
137.0 - 138.5 = 95
138.5 - 140.0 = 18
140.0 - 141.5 = 82
75.7 %
15.0 m

141.5 - 143.0 = 86
143.0 - 144.5 = 57
144.5 - 146.0 = 40
146.0 - 147.5 = 45
147.5 - 149.0 = 65
149.0 - 150.5 = 35
150.5 - 152.0 = 65
152.0 - 153.5 = 43
54.5
12.0 m

153.5 - 155.0 = 97
155.0 - 156.5 = 65
97.0
1.5

184 47/26

CG-3 Cont't % Rec Log.

156.5 - 158.0 = 71
158.0 - 159.5 = 80
159.5 - 161.0 = 57
161.0 - 162.5 = 77
162.5 - 164.0 = 55
164.0 - 165.5 = 18
165.5 - 167.0 = 5
167.0 - 168.5 = 40
168.5 - 170.0 = 48
170.0 - 171.5 = 35
171.5 - 173.0 = 60
173.0 - 174.5 = 32
174.5 - 176.0 = 40
176.0 - 177.5 = 48
177.5 - 179.0 = 60
179.0 - 180.5 = 26

70.0% / 7.5 m

38.9% / 18.0 m

~~752~~ 752/16

4878/67

EOH. = 180.5 m

Av. Core Rec. 80.0 to 180.5 m
= 72.8%

CG-4 (P-1) MAR 20/99

COMPARISON of METERS DRILLED VS. ACTUAL METERS RECOVERED

42.5 - = 08. - grey clay	
	80.0 - 108
44.0 - 125	81.5 - 112
45.5 - 150	83.0 - 125
47.0 - 124	84.5 - 130
48.5 - 140	86.0 - 150
50.0 - 150	87.5 - 150
51.5 - 150	89.0 - 70
53.0 - 150	90.5 - 90
54.5 - 125	92.0 - 105
56.0 - 150	93.5 - 20
57.5 - 140	95.0 - 53
59.0 - 70	96.5 - 50
60.5 - 111	98.0 - 40
62.0 - 140	99.5 - 51
63.5 - 150	101.0 - 67
65.0 - 75	102.5 - 30
66.5 - 150	104.0 - 21
68.0 - 95	105.5 - 27
69.5 - 67	107.0 - 40
71.0 - 115	108.5 - 56
72.5 - 150	110.0 - 70
74.0 - 150	111.5 - 20
75.5 - 150	113.0 - 53
77.0 - 113	114.5 - 61
78.5 - 110	116.0 - 128
2925 ✓	1827 ✓

Comparison
CG-4 Con't

P-2

MAR. 20/99

Depth	Cm
117.5	74
119.0	95
120.5	90
122.0	104
123.5	30
125.0	80
126.5	53 ~~526~~

EOH = 126.5 m

Tot. Actual = 52.78 cm ÷ 100 = 52.78 m Recovered

Tot. DRILLED IN Residuum =

? → 44.0 to 126.5 m = 82.50 m DRILLED

DIFFERENCE = - 29.72 m

$\frac{52.78}{82.50} \times 100 = 64.0\%$ Recovery

CG.-5 Cont

% CORE RECOVERY

1047/13

AVERAGE CORE RECOVERY IN RESID.

42.5 to 62.0 m = 80.54 %

SUMMARY

43.0 m Top of Resid.

1.5	42.5 – 44.0	UNCONSOL. Res., brownish	– 95.0 %
1.5	44.0 – 45.5	CONSOL. RESID., Recemented, Colloidal	– 85.0 %
4.5	45.5 – 50.0	UNCONSOL RESID. Limonitic	– 84.0 %
1.5	50.0 – 51.5	CONSOL. RESID., Recemented, brownish	– 28.0 %
10.5	51.5 – 62.0	UNCONSOL. RESID. Limonitic	– 83.9 %
19. m			

AV IN RESID. = 80.56 % OVER 19.5 m

Summary (Remainder of Hole)

1.5'	62.0 – 63.5	Resid. Deeply weathered Carbonatite	– 72.0 %
6.0'	63.5 – 69.5	Gray Carbonatite w white Inclus.	– 95.8 %
6.0	69.5 – 75.0	Fractured Carbonatite	– 68.8 %
6.0	75.0 – 81.5	Gray Carbonatite	– 79.3 %
19.5 m			

AVERAGE RECOVERY (Top of Resid. to E.O.H.)

42.5 to 81.5 m = 79.80 % over 39.0 m

CG-5

(P-1)

MAR 27/94
N. MacISAAC

% CORE RECOVERY

FROM	TO	% Rec.	
Base of Till = 43.0 m			
42.5	44.0	95	95.0%/1.5m
44.0	45.5	85	85.0%/1.5m
45.5	47.0	95	84.0%/4.5m
47.0	48.5	85	
48.5	50.0	72	
50.0	51.5	28	28.0%/1.5m
51.5	53.0	68	83.9%/10.5m
53.0	54.5	76	
54.5	56.0	90	
56.0	57.5	85	
57.5	59.0	90	
59.0	60.5	88	
E.O.RES. 60.5	62.0	90	1047/13
62.0	63.5	72	72.0%/1.5m
63.5	65.0	95	95.8%/6.0m
65.0	66.5	98	
66.5	68.0	95	
68.0	69.5	95	
69.5	71.0	30	63.8%/6.0m
71.0	72.5	70	
72.5	74.0	65	
74.0	75.5	90	
75.5	77.0	95	79.3%/6.0m
77.0	78.5	75	
78.5	80.0	82	
EOH. 80.0	81.5	65	2074/26

AV. CORE REC. 42.5 to 62.0m = 80.5%

AV. CORE REC. 42.5 to 81.5m = 79.8%

FAX P-7

(P-1)

MAR. 11/99

M-99-1 CORE Recovery Log (%)

Base of Till = 31.25m

From	To	%Rec.		
30.5	32.0	90		
32.0	33.5	68	80.0% / 4.5m	
33.5	35.0	81		
35.0	36.5	35		
36.5	38.0	81		
38.0	39.5	95	79.4% / 10.5m	
39.5	41.0	90		
41.0	42.5	86		
42.5	44.0	85		
44.0	45.5	84		
45.5	47.0	90	90.0% / 1.5m	
47.0	48.5	65	72.0% / 5.0m	
48.5	50.0	79		
50.0	51.5	85		
51.5	53.0	86		
53.0	54.5	60		
54.5	56.0	35	59.1% / 12.0m	
56.0	57.5	60		
57.5	59.0	60		
59.0	60.5	45		
60.5	62.0	42		
62.0	63.5	72		
63.5	65.0	84		
65.0	66.5	77		
66.5	68.0	36		
68.0	69.5	57	182/26	
69.5	71.0	57		
71.0	72.5	85		
72.5	74.0	93		
74.0	75.5	88	74.3% / 18.0m	
75.5	77.0	69		
77.0	78.5	85		
78.5	80.0	95		
80.0	81.5	50	50.0% / 1.5m	
81.5	83.0	71		
83.0	84.5	76		
84.5	86.0	48	61.2% / 9.0m	
86.0	87.5	88		
87.5	89.0	54		
89.0	90.5	30		
90.5	92.0	20		
92.0	93.5	10		
93.5	95.0	8	34.7% / 9.0m	
95.0	96.5	10		
96.5	98.0	95		
98.0	99.5	65		
99.5	101.0	60		
101.0	102.5	10	27.8% / 6.0m	
102.5	104.0	16		
104.0	105.5	25		
105.5	107.0	78		
107.0	108.5	76	1462/26	

FAX P-8

P-2

M-99-1 Con't

CORE, Recovery 4.09

From	To	% Rec.		
108.5	110.0	87		
110.0	111.5	65		
111.5	113.0	77		
113.0	114.5	50	63.0% / 16.5 m	
114.5	116.0	48		
116.0	117.5	90		
117.5	119.0	35		
119.0	120.5	27		
120.5	122.0	63		
122.0	123.5	64		
123.5	125.0	35	49.7% / 4.5 m	
125.0	126.5	50		
126.5	128.0	38		
128.0	129.5	5	18.5% / 6.0 m	
129.5	131.0	16		
131.0	132.5	15		
132.5	134.0	35		
134.0	135.5	27	48.5% / 6.0 m	
135.5	137.0	68		
137.0	138.5	64		
138.5	140.0	41		
140.0	141.5	66	62.7% / 4.5 m	
141.5	143.0	81		
143.0	144.5	40	40% / 1.5 m	

1184/24

4468/76

AVERAGE CORE RECOVERY 30.5 to 144.5 m = 58.79%

FAX P-9

P-3

M-99-1 Cont'd

Summary

31.25 m Top of Residuum

3.75	31.25 - 35.0	uc. Res. / Recem. Res - 80%
10.5	35.0 - 45.5	Brownish unconsol Res - 79.4%
1.5	45.5 - 47.0	Recem. Res - 90%
3.0	47.0 - 50.0	Greenish unconsol. Res. - 72%
12.0	50.0 - 62.0	Mixed Zone (Recem.+ unconsol.) - 59.1%
18.0	62.0 - 80.0	Limonitic unconsol. Resid. - 74.3%
1.5	80.0 - 81.5	Consol. Res - 50.0%
9.0	81.5 - 90.5	Limonitic unconsol Res. - 61.2%
9.0	90.5 - 99.5	Partly consol. Res. - 34.7%
6.0	99.5 - 105.5	Limonitic unconsol. Res. - 27.8%
16.	105.5 - 122.0	Carbonatite Rubble / Leached - 63.0%
4.5	122.0 - 126.5	unconsol. Limonitic Res. - 49.7%
6.0	126.5 - 132.5	Vuggy Consol. Res. - 18.5%
6.0	132.5 - 138.5	Fract. Carbonatite - 48.5%
4.5	138.5 - 143.0	Unconsol. Res. (Limonitic) - 62.7%
1.5	143.0 - 144.5	FResh Carbonatite - 40%

Av. = 58.66% over 113.25 m

113.25 ✓

M 99-2 (P-1) MAR. 29/99
N. MAC ISAAC

% CORE RECOVERY

66.5 - 68.0 = 96
68.0 - 69.5 = 67
Base of Till = 69.9 ?
69.5 - 71.0 = 93
71.0 - 72.5 = 85
72.5 - 74.0 = 95
74.0 - 75.5 = 88
75.5 - 77.0 = 92
77.0 - 78.5 = 90
78.5 - 80.0 = 97
80.0 - 81.5 = 78
81.5 - 83.0 = 90
83.0 - 84.5 = 85
84.5 - 86.0 = 87
86.0 - 87.5 = 68
87.5 - 89.0 = 95
89.0 - 90.5 = 90
90.5 - 92.0 = 97
92.0 - 93.5 = 55
93.5 - 95.0 = 70
95.0 - 96.5 = 57
96.5 - 98.0 = 76
98.0 - 99.5 = 86
99.5 - 101.0 = 82
101.0 - 102.5 = 88
102.5 - 104.0 = 85
1929/23

89.8% / 12.0mm
87.4% / 10.5mm
78.4% / 19.5mm

104.0 - 105.5 = 92
105.5 - 107.0 = 96
107.0 - 108.5 = 75
108.5 - 110.0 = 91
110.0 - 111.5 = 66
111.5 - 113.0 = 95
113.0 - 114.5 = 92
114.5 - 116.0 = 16
116.0 - 117.5 = 95
117.5 - 119.0 = 56
119.0 - 120.5 = 90
120.5 - 122.0 = 88
122.0 - 123.5 = 78
123.5 - 125.0 = 85
125.0 - 126.5 = 92
126.5 - 128.0 = 95
128.0 - 129.5 = 90
129.5 - 131.0 = 93
131.0 - 132.5 = 82
132.5 - 134.0 = 95
134.0 - 135.5 = 75
135.5 - 137.0 = 65
137.0 - 138.5 = 75
138.5 - 140.0 = 95
140.0 - 141.5 = 95
EOH = 141.5 m
2067 | 25

76.3% / 12.0mm
88.5% / 3.0mm
90.0% / 6.0mm
83.3% / 4.0mm

M 99-2 Cont'd

% Core Recovery

3996/48

Av. Core Rec. 69.5 to 141.5 m = 83.3%

Summary

69.9 m - Top of Resid.

12.0	69.5 - 82.2	Unconsol. Resid., brown to dark br.	- 89.8%
10.5	82.2 - 92.0	Unconsol. Resid., Limonitic, Sandy.	- 87.4%
19.5	92.0 - 111.4	Unconsol. Resid., Limonitic, Sandy (organic in Part)	- 78.4%
12.0	111.4 - 123.5	Resid. - Deeply weathered Carbonatite	- 76.3%
3	123.5 - 126.5	Fractured Carbonatite	- 88.5%
6.0	126.5 - 132.0	Resid. - Deeply weathered carbonatite	- 90.0%
9.0	132.0 - 141.5	Weathered Carbonatite, Limonitic	- 83.3%

72.0 m

Av. = 83.26% over 72.0 m

M 99-3 (P-1) MAR. 29/99

% RECOVERY LOG

N. MacISAAC

base of TILL = 37.7 m

36.5 - 38.0 = 95
38.0 - 39.5 = 86
39.5 - 41.0 = 36
41.0 - 42.5 = 65
42.5 - 44.0 = 93
44.0 - 45.5 = 67
45.5 - 47.0 = 92
47.0 - 48.5 = 48
48.5 - 50.0 = 3
50.0 - 51.5 = 75

66.0% / 15.0 m

51.5 - 53.0 = 84
53.0 - 54.5 = 74
54.5 - 56.0 = 78
56.0 - 57.5 = 85
57.5 - 59.0 = 25
59.0 - 60.5 = 5
60.5 - 62.0 = 17
62.0 - 63.5 = 28
63.5 - 65.0 = 72

52.0% / 13.5 m

65.0 - 66.5 = 68
66.5 - 68.0 = 88

78.0% / 3.0 m

68.0 - 69.5 = 82
69.5 - 71.0 = 35
71.0 - 72.5 = 22
72.5 - 74.0 = 60
74.0 - 75.5 = 98

62.7% / 22.5 m

1581 / 2610

75.5 - 77.0 = 95
77.0 - 78.5 = 45
78.5 - 80.0 = 43
80.0 - 81.5 = 92
81.5 - 83.0 = 95
83.0 - 84.5 = 88
84.5 - 86.0 = 67
86.0 - 87.5 = 9
87.5 - 89.0 = 44
89.0 - 90.5 = 65

72.6% / 12.0 m

90.5 - 92.0 = 97
92.0 - 93.5 = 98
93.5 - 95.0 = 35

96.7% / 4.5 m

95.0 - 96.5 = 14
96.5 - 98.0 = 30
98.0 - 99.5 = 63
99.5 - 101.0 = 17
101.0 - 102.5 = 55

35.8% / 7.5 m

102.5 - 104.0 = 30
104.0 - 105.5 = 40
105.5 - 107.0 = 31
107.0 - 108.5 = 90
108.5 - 110.0 = 60
110.0 - 111.5 = 20
111.5 - 113.0 = 78
113.0 - 114.5 = 61
114.5 - 116.0 = 57

1519 / 37

51.3% / 12.0 m

116.0 - 117.5 = 68
117.5 - 119.0 = 88
119.0 - 120.5 = 48
120.5 - 122.0 = 76
122.0 - 123.5 = 75
123.5 - 125.0 = 60
125.0 - 126.5 = 92
126.5 - 128.0 = 74

E.O.H. = 128.0 m

581 / 8

3681 / 61

AV. CORE REC. 36.5 to 128.0 m
60.3 %
11

57.0% / 1.5 m

'M 99-3 Cont

% RECOVERY LOG

3681/61

AVERAGE CORE RECOVERY 36.5 to 128.0 m = 60.3 %

SUMMARY

37.7 m Top of Residuum

15.0	36.5 - 51.5	UNCONSOL. RESIDUUM, yellow/brown	- 66.0%
13.5	51.5 - 65.0	CONSOLID. RESID. - Recemented	- 52.0%
3.0	65.0 - 68.0	UNCONSOL. RESID. - yellow brown	- 78.0%
22.5	68.0 - 91.0	UNCONSOL RESID. brick red, sandy, 20% Clay	- 62.7
9.5	91.0 - 95.0	weathered Carbonatite - white	- 76.7%
7.	95.0 - 102.9	UNCONSOL. RESID., yellow brown	- 35.8%
12.0	102.9 - 114.6	weathered Carbonatite, fractured, local Resid.	- 51.3%
1.5	114.6 - 116.5	UNCONSOL. RESID. yellow brown	- 57.0%
12.0	116.5 - 128.0	Fract./with Carbonatite, up to 40% unconsol. Resid.	- 72.6%

91.5 m

AV. = 60.36 % OVER 91.5 m

M-99-4 (P-1) MAR. 31/99

N. MacISAAC

% RECOVERY LOG

49.0 - 50.5 = 27
50.5 - 52.0 = 92
Base of TILL = 53.0 m
52.0 - 53.5 = 62
53.5 - 55.0 = 88
55.0 - 56.5 = 84
56.5 - 58.0 = 54
58.0 - 59.5 = 93
59.5 - 61.0 = 96
61.0 - 62.5 = 87

80.6% / 10.5 m

62.5 - 64.0 = 92
64.0 - 65.5 = 70
65.5 - 67.0 = 92
67.0 - 68.5 = 90
68.5 - 70.0 = 82

85.2% / 7.5 m

70.0 - 71.5 = 90
71.5 - 73.0 = 92
73.0 - 74.5 = 84
74.5 - 76.0 = 85
76.0 - 77.5 = 65
77.5 - 79.0 95
79.0 - 80.5 65
80.5 - 82.0 70
82.0 - 83.5 88
83.5 - 85.0 95
85.0 - 86.5 87

82.9% / 15.0 m

1906 / 23

86.5 - 88.0 = 85
88.0 - 89.5 = 85
89.5 - 91.0 = 20
91.0 - 92.5 = 92
92.5 - 94.0 = 94
94.0 - 95.5 = 90
95.5 - 97.0 = 45
97.0 - 98.5 = 30
98.5 - 100.0 = 15
100.0 - 101.5 = 65
101.5 - 103.0 = 60

64.0% / 18.0 m

103.0 - 104.5 = 75
104.5 - 106.0 = 50
106.0 - 107.5 = 87
107.5 - 109.0 = 75
109.0 - 110.5 = 80
110.5 - 112.0 = 90

76.2% / 9.0 m

112.0 - 113.5 = 90
113.5 - 115.0 = 96
115.0 - 116.5 = 98
116.5 - 118.0 = 97
118.0 - 119.5 = 94
119.5 - 121.0 = 97
121.0 - 122.5 = 80
EOH = 122.5 m

93.1% / 10.5 m

1790 / 24

3696 / 47

M 99-4 Comlt

% CORE RECOVERY

3696/47

AVERAGE CORE RECOVERY 52.0 to 122.5 m = 78.6%

SUMMARY

53.0 m Top of RESIDUUM

10.5	52.0 – 62.5	UNCONSOL. RESID., brownish/limonitic	-80.6
7.5	62.5 – 70.0	CONSOL. RESID. Recemented, friable	-85.2%
15.0	70.0 – 85.0	UNCONSOL. RESID. brown to gray color	-82.9%
18.0	85.0 – 103.0	CONSOL RESID. dark brown/white gray	-64.0%
9.0	103.0 – 111.8	Fract./Weathered Carbonatite, 40% UNCONSOL RES:	76.2
10.5	111.8 – 122.5	Carbonatite, black to white	-93.1%

~~70.5~~

AV. = 78.64 % over 69.50 m

M 99-5 (P-1) APRIL 7/99

N. MACISAAC

% RECOVERY LOG

71.0 - 72.5 = 98

Base of Till = 72.5 mm

72.5 - 74.0 = 93
74.0 - 75.5 = 95
75.5 - 77.0 = 68
77.0 - 78.5 = 85
78.5 - 80.0 = 80
80.0 - 81.5 = 79

83.3% / 9.0 mm

81.5 - 83.0 = 75
83.0 - 84.5 = 55
84.5 - 86.0 = 9

46.3% / 4.5 mm

86.0 - 87.5 = 12
87.5 - 89.0 = 91
89.0 - 90.5 = 86
90.5 - 92.0 = 85
92.0 - 93.5 = 86
93.5 - 95.0 = 90
95.0 - 96.5 = 87
96.5 - 98.0 = 85
98.0 - 99.5 = 77
99.5 - 101.0 = 78
101.0 - 102.5 = 86

78.5 / 16.5 mm

102.5 - 104.0 = 62
104.0 - 105.5 = 88
105.5 - 107.0 = 60
107.0 - 108.5 = 84

1746 / 24

108.5 - 110.0 = 92
110.0 - 111.5 = 60
111.5 - 113.0 = 77
113.0 - 114.5 = 95

~~(112.25 - 114.35 mm)~~

114.5 - 116.0 = 95
116.0 - 117.5 = 60
117.5 - 119.0 = 93
119.0 - 120.5 = 85
120.5 - 122.0 = 87
122.0 - 123.5 = 50

77.7% / 21.0 mm

123.5 - 125.0 = 60

60.0% / 1.5 mm

125.0 - 126.5 = 79
126.5 - 128.0 = 72
128.0 - 129.5 = 92

81.0% / 4.5 mm

129.5 - 131.0 = 90
131.0 - 132.5 = 26
132.5 - 134.0 = 56
134.0 - 135.5 = 30
135.5 - 137.0 = 62
137.0 - 138.5 = 32
138.5 - 140.0 = 36
140.0 - 141.5 = 35
141.5 - 143.0 = 90
143.0 - 144.5 = 83

45.1% / 12.0 mm

1631 / 24

M 49-5 Cont'd

P-2

% Recovery Log

144.5 - 146.0 = 81
146.0 - 147.5 = 72
147.5 - 149.0 = 70
149.0 - 150.5 = 78

79.0% / 9.0mm

150.5 - 152.0 = 80
152.0 - 153.5 = 68
153.5 - 155.0 = 40
155.0 - 156.5 = 31
156.5 - 158.0 = 46
158.0 - 159.5 = 48
159.5 - 161.0 = 64
161.0 - 162.5 = 84
162.5 - 164.0 = 30
164.0 - 165.5 = 63
165.5 - 167.0 = 42
167.0 - 168.5 = 28

52.0% / 18.0mm

E.O.H. = 168.5m

925/16

4352/64

Rv. Recovery 4352/64 = 68.0%

(See Calcul. next page)

M-99-5 Comlt

% Recovery Log

4352/65

AVERAGE CORE RECOVERY IN RESIDUUM
72.5 TO 168.5 m = 66.95%

Summary

72.5 m Top of Resid.

9.0	72.5 - 81.5	Unconsol. Resid. Dark brown to limonitic	- 83.3%
4.5	81.5 - 86.0	Consol. Resid. Vuggy & colloidal in part.	- 46.3%
16.5	86.0 - 102.5	Unconsol. Resid. Limonitic & brick red	- 78.5%
21.0	102.5 - 123.5	Unconsol. Resid Limonitic silty to sandy text.	- 77.7%
1	123.5 - 125.3	Apatite Sand, white/Limonitic	- 60.0%
4.5	125.3 - 129.5	Unconsol. Resid. Limonitic - as above	- 81.0%
12.0	129.5 - 142.3	Consol. Resid. Vuggy text	- 45.1%
9.0	142.3 - 150.5	Unconsol. Resid. Limonitic Variety sandy text.	- 79.0%
18.0	150.5 - 168.5	Consol. Resid. - Vuggy with. carbon. breaks	- 52.0%

96.0 m

AVERAGE RECOVERY (Top of Resid. to E.O.H.)
72.5 TO 168.5 m = 68.0% over 96.0 m

M99-6 (P-1) APR. 19/99

N. MacISAAC

% CORE RECOVERY

Depths	% Rec.
35.5 - 37.0 = 97	86.0% / 3.0 m
Base of Till 36.5 m	
37.0 - 38.5 = 75	
38.5 - 40.0 = 61	
40.0 - 41.5 = 45	
41.5 - 43.0 = 47	
43.0 - 44.5 = 20	
44.5 - 46.0 = 84	
46.0 - 47.5 = 90	58.2% / 21.0 m
47.5 - 49.0 = 81	
49.0 - 50.5 = 85	
50.5 - 52.0 = 60	
52.0 - 53.5 = 60	
53.5 - 55.0 = 59	
55.0 - 56.5 = 65	
56.5 - 58.0 = 28	
58.0 - 59.5 = 30	
59.5 - 61.0 = 21	
61.0 - 62.5 = 48	
62.5 - 64.0 = 86	
64.0 - 65.5 = 25	53.0% / 22.5 m
65.5 - 67.0 = 90	
67.0 - 68.5 = 58	
68.5 - 70.0 = 90	
70.0 - 71.5 = 84	
71.5 - 73.0 = 15	1604 / 0%
73.0 - 74.5 = 35	
74.5 - 76.0 = 90	
76.0 - 77.5 = 60	
77.5 - 79.0 = 10	
79.0 - 80.5 = 33	
80.5 - 82.0 = 50	
82.0 - 83.5 = 62	
83.5 - 85.0 = 92	
85.0 - 86.5 = 93	
86.5 - 88.0 = 95	81.4% / 18.0 m
88.0 - 89.5 = 74	
89.5 - 91.0 = 48	
91.0 - 92.5 = 91	
92.5 - 94.0 = 88	
94.0 - 95.5 = 90	
95.5 - 97.0 = 79	
97.0 - 98.5 = 73	
98.5 - 100.0 = 92	
100.0 - 101.5 = 70	75.5% / 3.0 m
101.5 - 103.0 = 81	
103.0 - 104.5 = 48	
104.5 - 106.0 = 48	
106.0 - 107.5 = 34	
107.5 - 109.0 = 72	
109.0 - 110.5 = 67	1175 / 0%
110.5 - 112.0 = 92	
112.0 - 113.5 = 80	
113.5 - 115.0 = 86	
115.0 - 116.5 = 92	
116.5 - 118.0 = 85	
118.0 - 119.5 = 94	749 / 40.5
119.5 - 121.0 = 93	
121.0 - 122.5 = 90	
122.5 - 124.0 = 20	
124.0 - 125.5 = 65	
125.5 - 127.0 = 81	
127.0 - 128.5 = 77	
128.5 - 130.0 = 65	
130.0 - 131.5 = 77	
131.5 - 133.0 = 95	
133.0 - 134.5 = 95	
134.5 - 136.0 = 96	
136.0 - 137.5 = 92	
137.5 - 139.0 = 60	
139.0 - 140.5 = 63	
140.5 - 142.0 = 66	
142.0 - 143.5 = 98	
E.O.H. = 143.5 m	175 / 22 / 77

(P-2)

APRIL 19/99
N. MACISAAC

M 99-6 Cont

% CORE RECOVERY

4931/72

AVERAGE CORE RECOVERY base of TILL to EOH
35.5 to 143.5 m = 68.49 %

SUMMARY

36.5m Top of Resid.

3.2	35.5 - 38.7 UNCONSOL. Res. dark brown	- 86.0%
20.8	38.7 - 59.5 CONSOL. Resid., off white to Tan. vuggy/colloidal	- 58.2%
2	59.5 - 82.7 UNCONSOL. RESID. dark brown to black. Limonitic, silt to sandy text.	- 53.0%
16.8	82.7 - 99.5 Carbonatite Leached & fresh	- 81.4%
3.5	99.5 - 103.0 UNCONSOL. Resid. dark brown	- 75.5%
40.5	103.0 - 143.5 Carbonatite, Leached, fresh, fractured	- 74.9%
108.0m		

AVERAGE = 68.34 % over 108.0 m

M 99-7 (P-1) APRIL 14/99

N. MACISAAC

% RECOVERY LOG

FROM - TO		FROM - TO		FROM - TO	
SILICA SAND → 57.5 - 59.0 m	= 86	95.0 - 96.5	= 98	134.0 - 135.5	= 98
59.0 - 60.5	= 70	96.5 - 98.0	= 77	135.5 - 157.0	= 93
Base of Till → 60.0 m ←	7	98.0 - 99.5	= 32	137.0 - 138.5	= 95
60.5 - 62.0	= 95	99.5 - 101.0	= 42	EOH = 138.5 m	
62.0 - 63.5	= 80	101.0 - 102.5	= 66	66.5% / 12.0 m	478/5
63.5 - 65.0	= 74	102.5 - 104.0	= 35		
65.0 - 66.5	= 77	104.0 - 105.5	= 90	84.0% / 1.5 m	
66.5 - 68.0	= 92	105.5 - 107.0	= 84		3761/53
68.0 - 69.5	= 82	107.0 - 108.5	= 76		
69.5 - 71.0	= 90	108.5 - 110.0	= 69		
71.0 - 72.5	= 96	110.0 - 111.5	= 86	82.2% / 7.5 m	
72.5 - 74.0	= 83	111.5 - 113.0	= 97		
74.0 - 75.5	= 61	113.0 - 114.5	= 83	131.0 - 138.5 = 95%	
75.5 - 77.0	= 93	114.5 - 116.0	= 85		
77.0 - 78.5	= 86	116.0 - 117.5	= 0		
78.5 - 80.0	= 95	117.5 - 119.0	= 0		
80.0 - 81.5	= 63	119.0 - 120.5	= 2	40.8% / 16.5 m	
81.5 - 83.0	= 47	120.5 - 122.0	= 92		
83.0 - 84.5	= 66	122.0 - 123.5	= 23		
84.5 - 86.0	= 62	123.5 - 125.0	= 91		
86.0 - 87.5	= 68	125.0 - 126.5	= 40		
87.5 - 89.0	= 85	126.5 - 128.0	= 58		
89.0 - 90.5	= 64	128.0 - 129.5	= 28		
90.5 - 92.0	= 84	Base of Resid. → 129.5 - 131.0	= 30		1384/24
92.0 - 93.5	= 94	131.0 - 132.5	= 95		3283/48
93.5 - 95.0	92	132.5 - 134.0	= 97		
	1899/24				

78.6% / 34.5 m

M-99-7 Com't (P-2)

% Core Recovery

3283/48

Average Core Recovery in Resid.

59.0 to 131.0m = 68.40 %

Summary

60.0m Top of Resid

34.5	59.0 - 93.5	Unconsol. Resid. Limonitic, silty to sandy	- 78.6 %
12.0	93.5 - 105.0	Unconsol. Resid. Dark brown interbeds	- 66.5 %
1.5	105.0 - 107.0	Unconsol. Resid. Micaceous dark brown - black	- 84.0 %
7.5	107.0 - 114.5	Unconsol. Resid. Limonitic	- 82.2 %
11	114.5 - 131.0	Consol. Resid. - Vuggy Poor recovery	- 40.8 %
72.0m			

Av. in Resid. = 68.41 % over 72.0 m

Summary (Remainder of hole)

7.5	131.0 - 138.5	Carbonatite, fresh white variety	- 95.6 %
7.5m			

Average Recovery (Top of Resid. to E.O.H.)

59.0 to 138.5 m = 71.0 % over 79.5 m

M-99-8 (P-1)

APRIL 15/99
N. MacISAAC

% RECOVERY LOG

36.5 - 38.0 (No Rec.)

Base of Till: 38.0m ?

38.0 - 39.5 = 57
39.5 - 41.0 = 96
41.0 - 42.5 = 92
42.5 - 44.0 = 98
44.0 - 45.5 = 97
45.5 - 47.0 = 96
47.0 - 48.5 = 75
48.5 - 50.0 = 93

88.0 % / 12.0 m

50.0 - 51.5 = 51
51.5 - 53.0 = 50
53.0 - 54.5 = 95
54.5 - 56.0 = 65
56.0 - 57.5 = 95
57.5 - 59.0 = 90
59.0 - 60.5 = 48

70.6 % / 10.5 m

60.5 - 62.0 = 84
62.0 - 63.5 = 93
63.5 - 65.0 = 65
65.0 - 66.5 = 48
66.5 - 68.0 = 52
68.0 - 69.5 = 85
69.5 - 71.0 = 81
71.0 - 72.5 = 90
72.5 - 74.0 = 95

77.0 % / 13.5 m

189 / 24

M-99-8 Cont'd (P-2)

% CORE RECOVERY

1891/24

AVERAGE CORE RECOVERY in Resid.
38.0 TO 74.0 m = 78.79 %

Summary

38.0 m Top of Resid.

12.0	38.0 - 49.3	Unconsol. Resid., limonitic	- 88.0 %
10.5	49.3 - 60.5	Unconsol. Resid., dark brown	- 70.6 %
13.5	60.5 - 74.0	Carbonatite, broken, rubble zones	- 77.0 %
.0			

AV. = 78.8 % over 36.0 m

Ontario Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use): W9960.00478

Assessment Files Research Imaging

subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, assesment work and correspond with the mining land holder. Questions about this Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury,

42J06SW2004 2.19960 SOUTH OF RIDGE LAKE 900

Instructions: - For work performed on Crown Lands before **recording** a claim, use form 0240.
- Please type or print in ink.

2.19960

1. Recorded holder(s) (Attach a list if necessary)

Name: MCK MINING CORP.	Client Number: 304115
Address: Ste 401, 90 ADELAIDE St. W.	Telephone Number: 416-363-1613
TORONTO, ONT M5H 3V9	Fax Number: 416-363-2778
Name: BALTIC RESOURCES INC.	Client Number: 304124
Address: 1510, 444 5th AVENUE S.W.	Telephone Number: 403-237-6670
CALGARY, Alberta T2P 2T8	Fax Number: 403-266-5732

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

Geotechnical: prospecting, surveys, assays and work under section 18 (regs) | Physical: drilling stripping, trenching and associated assays | Rehabilitation

Work Type: Physical - DRILLING - ASSAYS.	Office Use
	Commodity
	Total $ Value of Work Claimed: $163,804
Dates Work Performed From: Day 02 Month 02 Year 99 To: Day 15 Month 04 Year 99	NTS Reference
Global Positioning System Data (if available)	Township/Area: SOUTH OF RIDGE LAKE
	M or G-Plan Number: G-1716.
	Mining Division: Porcupine
	Resident Geologist District: Timmins.

Please remember to:
- obtain a work permit from the Ministry of Natural Resources as required;
- provide proper notice to surface rights holders before starting work;
- complete and attach a Statement of Costs, form 0212;
- provide a map showing contiguous mining lands that are linked for assigning work;
- include two copies of your technical report.

3. Person or companies who prepared the technical report (Attach a list if necessary)

Name: GARTH Pierce / BCLX CONSULTING	Telephone Number: 902-542-0972
Address: 40 Allive Street, WOLFVILLE, NOVA SCOTIA	Fax Number: 902-542-0972.
Name:	Telephone Number:
Address:	Fax Number:
Name:	Telephone Number:
Address:	Fax Number:

RECEIVED
DEC 16 1999
GEOSCIENCE ASSESSMENT OFFICE

4. Certification by Recorded Holder or Agent

I, WENDY SIMS KOOBA (Print Name), do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent: Wendy Sims Kooba		Date: Dec 14/99.
Agent's Address: Bx 1130, 3130 Highway 144 Timmins, Ont P4N 7H9	Telephone Number: 705-268-8822	Fax Number: 705-268-5532

0241 (03/97)

Deemed March 15/2000

5. **Work to be recorded and distributed.** Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

W9960.00478

	Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date
eg	TB 7827	16 ha	$26,825	N/A	$24,000	$2,825
eg	1234567	12	0	$24,000	0	0
eg	1234568	2	$ 8,892	$ 4,000	0	$4,892
1	1201625	12	152660	19,200	46856	86,604
2	1223558	12	11,144	Ø	11,144	Ø
3	1226551	16		6400		
4	1226552	12		4800		
5	1226553	12		4800		
6	1226554	8		3200		
7	1226555	8		3200		
8	1226556	10		4000		
9	1226557	9		3600		
10	1226558	12		4800		
11	1226559	10		4000		
12	1226562	9		3600		
13	1226564	16		6400		
14	1226565	8		3200		
15	1226566	3		1200		
	Column Totals	157	163804	72,400	58,000	86604

See pg (2)

I, Wendy Sims Korba (Print Full Name), do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing	Date
Wendy Sims Korba	Dec 14/99

6. **Instructions for cutting back credits that are not approved.**

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- ☑ 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- ☐ 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- ☐ 3. Credits are to be cut back equally over all claims listed in this declaration; or
- ☐ 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
	Approved for Recording by Mining Recorder (Signature)	

0241 (03/97)

Ontario | Ministry of Northern Development and Mines

Schedule for Declaration of Assessment Work on Mining Land

Transaction Number (office use): W9960.00478

	Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.
	TOTALS PAGE 1 - 157		163,804	72400	58,000	86604
16	1226568	12		4800	Ø	Ø
		169				
	Column Totals		163,804	77,200	58,000	86,604

0290 (02/96)

[signature] Dec 14/9[illegible]

Ontario Ministry of Northern Development and Mines

Statement of Costs for Assessment Credit

Transaction Number (office use): W9960.00478

Personal information collected on this form is obtained under the authority of subsection 6 (1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, this information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Work Type	Units of work Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
Norex Drilling	998 m	70.91	70,766
Geologists - Field, Logging core	58 MAN DAYS	642/DAY	37,113
Field workers	73 MAN DAYS	197.95/DAY	14,445
Logging core	43 hours	26.75/hr	1151
Assays	318 SAMPLES	66.54/sample	21,160
Associated Costs (e.g. supplies, mobilization and demobilization).			
MOB - DEMOB			6,950
muskeg carrier, swamp buggy, skidoos			7,133
Supplies			2831
Transportation Costs			
mileage + GAS			777
Food and Lodging Costs			1478
		Total Value of Assessment Work	163804

Calculations of Filing Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK	x 0.50 =	Total $ value of worked claimed.

Note:
- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

I, WENDY SIMS KOZBA (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as AGENT (recorded holder, agent, or state company position with signing authority) I am authorized to make this certification.

Signature	Date
[signature]	Dec 14/99

0212 (03/97)

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (888) 415-9845
Fax: (877) 670-1555

Visit our website at:
www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

May 1, 2000

MCK MINING CORP.
90 ADELAIDE STREET WEST
SUITE 401
TORONTO, ONTARIO
M5H-3V9

Dear Sir or Madam:

Submission Number: 2.19960

		Status
Subject: Transaction Number(s):	W9960.00478	Approval After Notice

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact LUCILLE JEROME by e-mail at lucille.jerome@ndm.gov.on.ca or by telephone at (705) 670-5858.

Yours sincerely,

ORIGINAL SIGNED BY
Blair Kite
Supervisor, Geoscience Assessment Office
Mining Lands Section

Correspondence ID: 14824
Copy for: Assessment Library

Work Report Assessment Results

Submission Number: 2.19960

Date Correspondence Sent: May 01, 2000 **Assessor:** LUCILLE JEROME

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9960.00478	1201625	SOUTH OF RIDGE LAKE	Approval After Notice	May 01, 2000

Section:
16 Drilling PDRILL

The 45 days outlined in the Notice dated March 14, 2000 have passed. Assessment work credit has been approved as outlined on the Declaration of Assessment Work Form accompanying this submission.

Correspondence to:

Resident Geologist
South Porcupine, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):

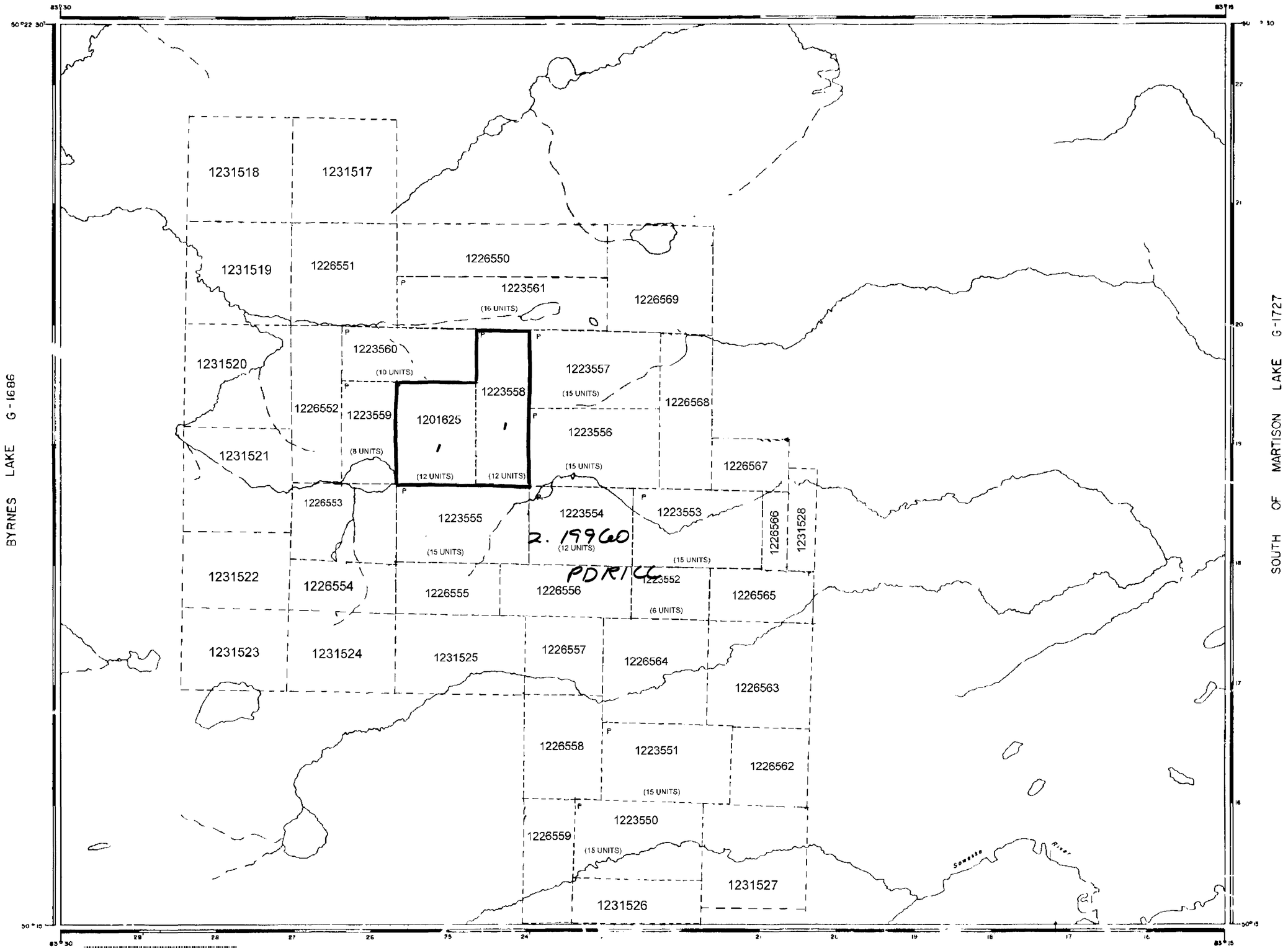
Wendy Sims Korba
TIMMINS, ONTARIO

MCK MINING CORP.
TORONTO, ONTARIO

BALTIC RESOURCES INC.
CALGARY, ALBERTA

Correspondence ID: 14824

RIDGE LAKE G-1709



42J06SW2004 2.19960 SOUTH OF RIDGE LAKE 200

503837

REFERENCES

AREAS WITHDRAWN FROM DISPOSTION

M R O - MINING RIGHTS ONLY
S R O - SURFACE RIGHTS ONLY
M+S - MINING AND SURFACE RIGHTS

Description	Order No	Date	Disposition	File

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER (MINISTRY OF NORTHERN DEVELOPMENT AND MINES) FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

LEGEND

- HIGHWAY AND ROUTE No
- OTHER ROADS
- TRAILS
- SURVEYED LINES
  - TOWNSHIPS, BASE LINES, ETC
  - LOTS, MINING CLAIMS, PARCELS, ETC
- UNSURVEYED LINES
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT SURFACE & MINING RIGHTS	
" , SURFACE RIGHTS ONLY	
" , MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
" , SURFACE RIGHTS ONLY	
" , MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER-IN-COUNCIL	OC
RESERVATION	(R)
CANCELLED	
SAND & GRAVEL	(S)

LAND USE PERMITS FOR COMMERCIAL TOUR OM, OUTPOST CAMPS

NOTE MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R S O 1970, CHAP 380, SEC 83, SUBSEC 1

SCALE 1 INCH = 40 CHAINS

AREA
SOUTH OF RIDGE LAKE
M.N.R ADMINISTRATIVE DISTRICT
HEARST/KAPUSKASING
MINING DIVISION
PORCUPINE
LAND TITLES / REGISTRY DIVISION
COCHRANE

Ontario Ministry of Natural Resources — Land Management Branch

Date DECEMBER 1982
ACTIVATED 93-FEB-08

NUMBER
G - 1716