42A01SE0058 W9480-00208 EBY

REPORT ON REVERSE CIRCULATION ROTARY OVERBURDEN DRILLING PROGRAM

EBY PROPERTY, EBY TOWNSHIP, LARDER LAKE MINING DIVISION, ONTARIO

March 29-31, 1994

prepared for

GREATER LENORA RESOURCES CORPORATION

by

R.E. ROUTLEDGE AND ASSOCIATES

82 ORIOLE DRIVE
HOLLAND LANDING
ONTARIO L9N 1H3

R.E. Routledge
April 22, 1994

42A01SE0058 W9480-00206 EBY

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SUMMARY AND RECOMMENDATIONS

Four reverse circulation rotary overburden drill holes, totalling 57 m (186.5'), were drilled vertically on March 30, 1994 to test for kimberlite pipes as the source of circular magnetic lows and to test an airborne VLF-EM conductor on the Eby Property. Holes were drilled on land and off the ice on Kenogami Lake. Overburden samples were processed to heavy mineral concentrates and investigated for gold and kimberlite/diamond indicator minerals. Bedrock samples were geochimically analyzed for gold. A grid magnetometer survey was carried out on the lake about the same time as the drilling but results of this survey were not available at the time of writing of this report.

The overburden averaged 11.2 m thick and, as logged, correlates well with the 1987 series and 1980-81 KLIP holes drilled on and near the property. The Pleistocene glacial profile, from Holocene organics at surface or lake bottom to bedrock is similar in all four holes: glaciolacustrine clay and mafic volcanic-rich gravel/ablation till. Bedrock in holes KE-01 to 03 was field logged as basalt of the Kinojevis Group. A fine grained, porphyritic andesitic volcanic or hypabbysal intrusive was intersected in KE-04. Thin quartz vein material was logged in moderately foliated bedrock of KE-01. Geochemical analysis disclosed elevated gold of 79 ppb in KE-01 and 312 ppb in KE-04. Base metals values are background.

Results of the RC drilling indicate that the three RC holes (KE-01, 02 & 04) over kimberlite targets eliminated sizable pipes as the source of the circular magnetic lows as identified from the 1983 airborne survey.

Pyrope garnets and chrome diopside indicator minerals were picked from heavy mineral concentrates of the locally derived gravel/ablation till unit in holes KE-01 & 03. The source is potentially a circular magnetic high 400 m up-ice to the northwest on claim 1186601.

From two to five fine gold grains were panned from tabled concentrates of the gravel/ablation till unit in holes KE-01 and 03. Geochemical analyses of the concentrates remains to be done. The gold grains may be regarded as being distal from source or more likely as being derived from low grade mineralization along the northwesterly trending lineament/fault which may have been intersected by hole KE-01 or alternatively as being derived from the VLF-EM conductor up-ice of KE-03.

Recommendations for further work are as follows:

Complete the gold geochemical analyses of the overburden samples to verify low gold content.

Submit the +10 mesh fraction of the bedrock samples for whole rock analysis to verify field logging, in particular to determine the composition of bedrock in hole KE-04 and open interpretation further as to the reason for elevated gold.

Have the kimberlite indicator grains mounted, polished and microprobed to accurately determine the chemistry and classify the pyrope garnet and chrome diopside grains with a view to assessing favourability for diamonds.

Integrate RC drill hole locations and the above results with the new grid magnetometer survey, with emphasis on the magnetic high coincident with two AEM conductors and the VLF-EM conductor axis located up ice of KE-01 and 03 in the south and west halves, respectively, of claim 1186601.

Pending encouragement from the above, drill the VLF-EM conductor and magnetic anomaly up ice of KE-01 and 03.

Respectfully Submitted,

R E Routledge

R. E. Routledge and Associates
April 22, 1994

INTRODUCTION

A reverse circulation drilling (RCD) program consisting of 57 metres in four holes was undertaken on the north west portion of Greater Lenora Resource Corp.'s Eby Township property.

The purpose of the drilling was:

1) to test an airborne VLF-EM conductor and for down ice dispersion from a circular magnetic high coinciding with weak AEM conductors in Kenogami Lake,

2) to determine if the cause of circular magnetic anomalies located in topographic depressions and under Kenogami Lake and which are aligned along a NNW trending lineament evident on aerial photographs, are kimberlite pipes buried under overburden and, failing encouragement from the above,

2) to test for gold and/or diamond and kimberlite indicator mineral dispersal trains up ice from where backhoe trenching and overburden sampling conducted in 1992 had disclosed kimberlite/diamond indicator minerals in till.

The drilling contract was awarded to Heath & Sherwood Drilling (1986) Inc. of Kirkland Lake, Ontario. The drill rig was mobilized to the property on March 29, 1994. Drilling operations for the four holes, numbered KE-01 to 04 inclusive, were completed and the drill readied for truck floating on March 30, 1994. Demobilization to Kirkland Lake to end the field program was done on March 31, 1994.

Road ploughing and breaking a bush road for drill access was carried out by D7 Caterpillar bulldozer under contract to Glenn C. Kasner Exploration Services Ltd.

Drill supervision, logging/sampling and reporting was the responsibility of R. E. Routledge and Associates. Overburden samples were processed at Overburden Drilling Management Limited's (OBDM) facility at Nepean, Ontario with rock geochemical analyses performed by Swastika Laboratories at Swastika, Ontario.

PROPERTY, LOCATION AND ACCESS (NTS 42A1 SE)

The Eby property consists of 71 contiguous mineral claims and 20 patented claims held 100% by Greater Lenora Resources Corp. The property straddles the EW boundary between Eby Township and Grenfell Townships within the District of Timiskaming, Larder Lake Mining Division (Figures 1 & 2; Claims listing - Appendix A).

Access is readily available from Kirkland Lake via black top highways #66 and the Boland (Eby Concession V) bush road, a

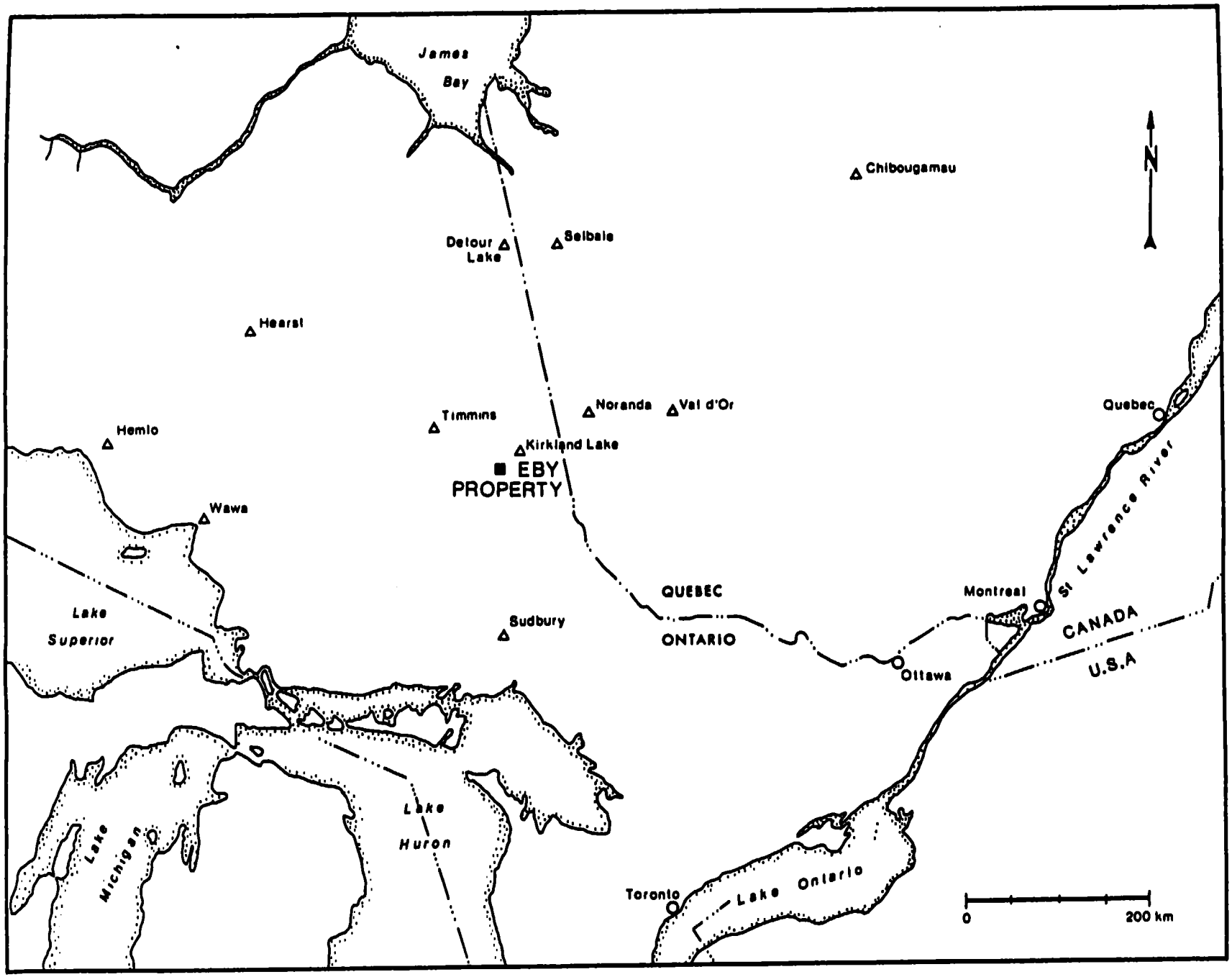
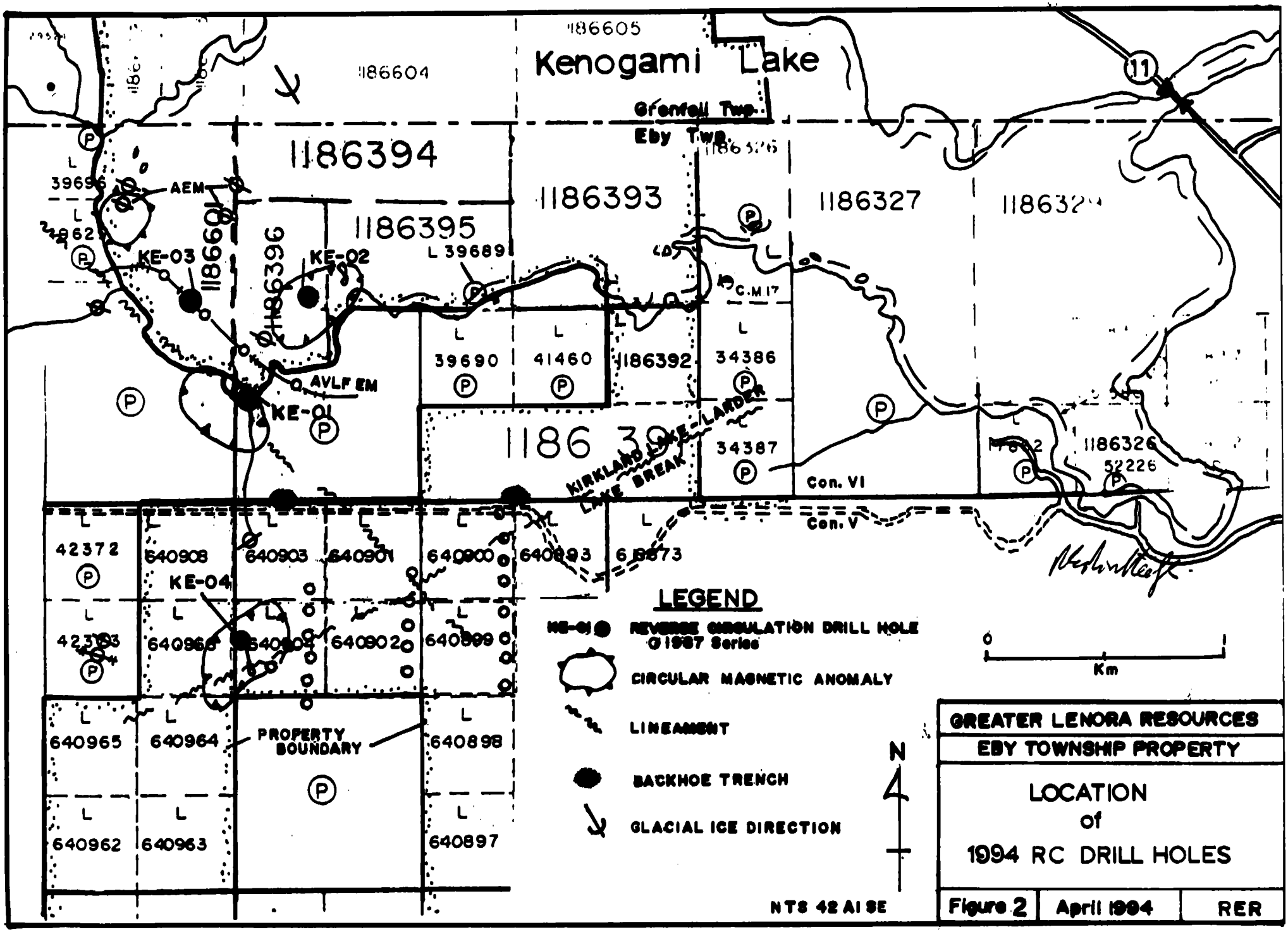


Figure 1 - Eby Property Location Map


Kenogami Lake
1186605
1186604
Grenfell Twp.
Eby Twp.
1186394
1186393
1186327
1186395
1186396
1186601
1186392
1186326
AEM
KE-03
KE-02
KE-01
AVLF EM
L 39689
L 39690
L 41460
L 34386
L 34387
C.M.17
KIRKLAND LAKE-LARDER LAKE BREAK
Con. VI
Con. V
L 42372
L 42373
640908
640903
640901
640900
640899
640902
640965
640964
640898
640962
640963
640897
KE-04
PROPERTY BOUNDARY
LEGEND
REVERSE CIRCULATION DRILL HOLE
CIRCULAR MAGNETIC ANOMALY
LINEAMENT
BACKHOE TRENCH
GLACIAL ICE DIRECTION
N
0
Km
NTS 42 A/8 SE
GREATER LENORA RESOURCES
EBY TOWNSHIP PROPERTY
LOCATION
of
1994 RC DRILL HOLES
Figure 2
April 1994
RER

distance of 20 km WSW from Kirkland Lake. Fourteen claims in the north portion of the property are covered by Kenogami Lake and may be reached seasonably by boat or snowmobile from the village of Kenogami.

The claims are in good standing except for 11 in the northwest portion of the property for which total assessment credits of $13,200 will be required to maintain title past their anniversary dates beginning April 27, 1994.

PREVIOUS WORK

Under the auspices of the Ontario Geological Survey's (OGS) Kirkland Lake Initiatives Program (KLIP), five widely spaced (nominal 3.2 km centres) RCD holes were drilled under the supervision of the Author on the property as well as a number of other holes in the general area from 1980 to 1981 (Routledge et al, 1981). The surficial geology of the area was mapped by the OGS in 1979 and 1980 (Baker, 1980).

Since acquisition of the property in 1981, the Company has completed a helicopter-borne AEM-Mag survey, ground surveys such as magnetometer, electromagnetic and induced polarization and has drilled 61 RCD holes and 20 diamond drill holes on various portions of the property. Stripping and sampling has also been done in the north east quadrant. This exploration was primarily focused on gold mineralization related to quartz veining in syenite porphyry dykes and stocks. Some of the RC drilling was done east of hole KE-04 drilled in this campaign but none directly tested the magnetic target.

A heavy mineral suite indicative of kimberlite was identified in till samples collected by RCD in 1987 on the northwest portion of the property. In 1992 backhoe trenching and till sampling was undertaken in follow up down ice (SSE) of a circular magnetic features recognized from the Aerodat, 1983 airborne magnetometer survey. These anomalies range from 40 nT below local background to 80 nT above local background. The trenching (Figure 2) disclosed seven pyrope garnets of which microprobe results confirm two are "G-10", the high chrome-sub calcic variety indicative of diamond-bearing kimberlite pipes. A number of ilmenite and chromite grains were "picked" from the till sample concentrates however diamond indicator chemistry as determined by probing was not particularly good to inconclusive with respect to diamond favourability.

1994 RC DRILL PROGRAM

Theory and the practical application of reverse circulation rotary overburden drilling as it has evolved since earliest use in exploration for gold, base metals and diamonds is available a number of publications including Skinner, 1972, Thompson, 1979, Routledge et al 1981 and more recently in Hamilton et al, 1992 and

Averill and McClenaghan, 1994.

Picketing and a grid magnetometer survey on Kenogami Lake were underway during the drill program and covered the area surrounding holes KE-02 and 03, however, survey results were not available for reporting and interpretation.

Drilling Equipment

The unitized drill rig consisted of an Acker M.P. 100 Drill mounted on a Go Track Model 5000 muskeg tractor and equipped with a Boge air compressor (35 l/s @ 32.1 kPa) and a high pressure Royal Bean piston water pump (1.14 l/s). A Go Track Model 1000 muskeg tractor carrying twin 1091 litre tanks supplied water for drilling. Dual tube drill rods were 6.98 cm OD. and 3 m in length and were adapted by means of a skirted bit sub to 7.46 cm Smith-Grunner tricone rotary bits (tungsten carbide buttons).

Drill Hole locations

Drill hole locations for KE-01 to 04, with respect to claim boundaries, magnetic and AVLF-EM targets, are shown on Figure 2. Elevations for collars are estimated from topographic maps. Collar positions recorded are with respect to longitude and latitude from topographic map; as well as to the new magnetometer grid on Kenogami Lake (Figure 3) for KE-01 to 03 and to the 1985 grid on land for KE-04.

Sampling and processing

Samples of overburden (4.35-8.75 kg) were taken at nominal 1.5 metre intervals in ice contact and glaciofluvial sediments/ablation tills. Organic material at surface and glaciolacustrine materials such as sand, silt and clay, were not sampled. The -10 mesh fraction (Tyler -1.77 mm) was bagged for processing whereas the +10 mesh was discarded on site or, in the case of on-ice sites KE-02 and 03, was retained for later disposal on land. Drill logs and logging legend are appended (Appendix B).

Overburden samples were shipped by bus to Overburden Drilling Management's lab in Nepean, Ontario. Processing at Nepean involved washing to free samples of clay and silt, tabling over a shaker table, heavy liquid separation of the non-magnetic fraction using methylene iodide diluted to 3.2 specific gravity and magnetic separation by hand magnet. Table concentrates, where visible gold was sighted while tabling, were panned to record number and descriptions of gold grains. Non-magnetic heavy liquid separates were dry sieved to -1.0 +0.5mm and -0.5 +0.25 mm fractions and these were further magnetically separated to non-magnetic and paramagnetic fractions and "picked" under binocular microscope for kimberlite and diamond indicator minerals. Grains identified were analyzed (unpolished) by scanning electron microscope (SEM - EDS;

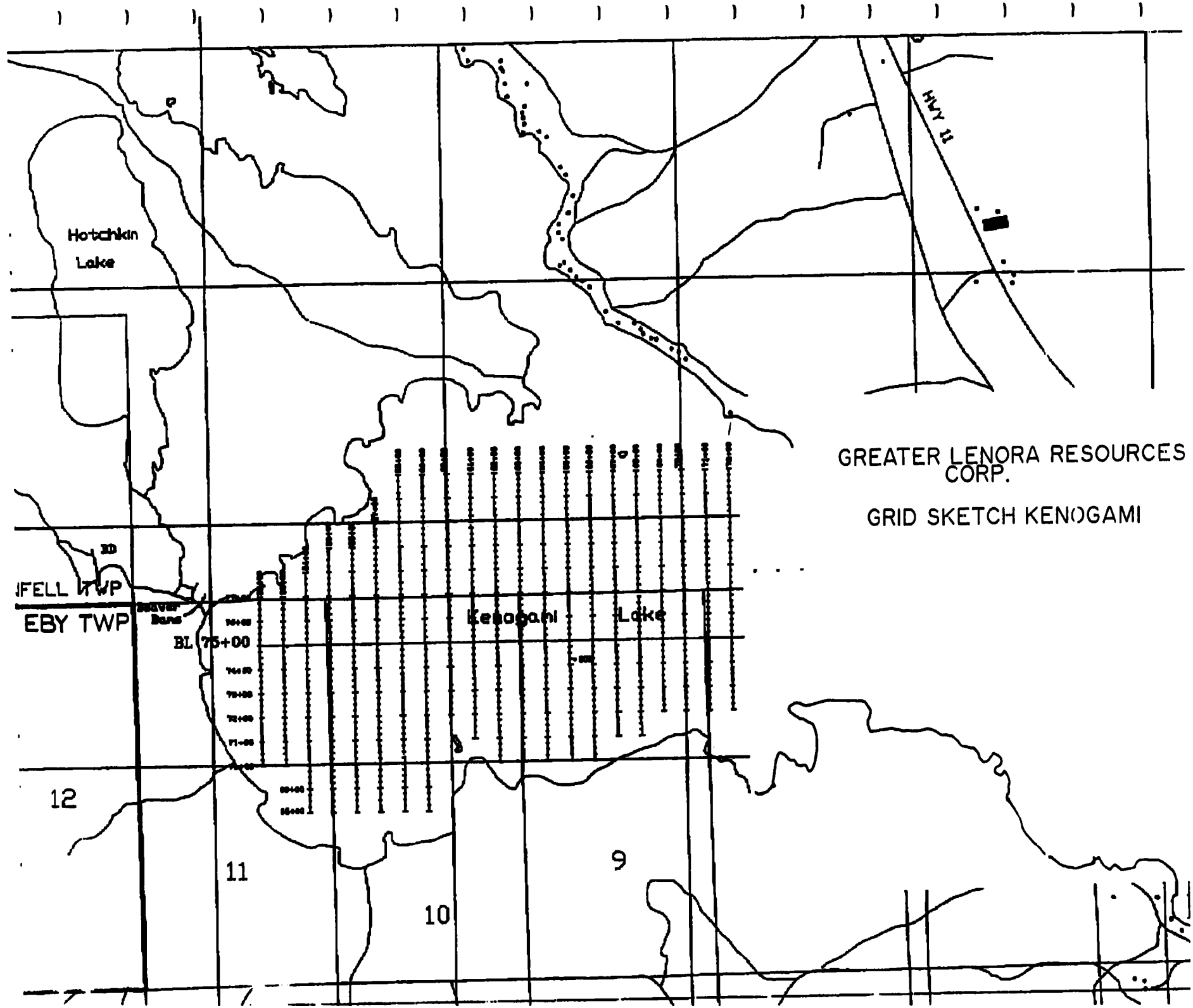

Hotchkin
Lake
HWY 11
GREATER LENORA RESOURCES CORP.
GRID SKETCH KENOGAMI
IFELL TWP
EBY TWP
BL 75+00
Kenogami
Lake
12
11
10
9

fig. 3

Cambridge S-600) to confirm mineralogy. Laboratory flow sheet and processing logs are appended (Appendix C).

Bedrock in each hole was penetrated to 1.5 metres or more to ensure that sufficient fresh sample was obtained for examination and analysis and that bedrock, rather than a large boulder, had been reached. The +10 mesh fraction was examined by hand lens on site and later under binocular microscope in the office. The -10 mesh bedrock fraction was submitted to Swastika Labs for ICAP plasma scan (30 element; aqua regia digestion) and gold geochemical analysis. Certificates for gold and ICAP analyses are appended (Appendix D).

Drilling Summary and Performance Statistics

The drilling program is summarized in Tables 1 to 3 below:

Table 1: Summary

RCD Hole No.	Elevation (m)	Length Drilled Overburden (m)/(ft)	Rock (m)/(ft)	Depth (m)/(ft)	Samples Collected Overburden	Rock
KE-01		16.1/53	1.8/6	18/59	1	1
KE-02		3.7/12	1.8/6	9/29.5*	1	1
KE-03		14.9/49	1.5/5	18/59*	5	1
KE-04		10.1/33	1.8/6	12/39	1	1
Totals:		44.8/147	6.9/23	57/186.5	8	4

* difference between total depth and overburden/rock sections is width of lake ice and water drilled.

Table 2: Operating Hours (per invoices)

Operations	Hours	% of Total
Drilling	4.00	34
Moving between Holes	2.25	19
Mechanical Down time	1.50	13
Terrain Problems	-	-
Mobilization/Demob.	4.00	34
Totals:	1.75	100

Table 3: Cost Breakdown

Category	Cost ($)	$/m / $/ft	% of total
Operating	1395.82	24.49/7.48	19.5
Drill Mobilization/Demob.	1211.78	21.26/6.50	16.9
Down Hole Consumables	1161.59	20.39/6.23	16.2
Sample Processing/Analyses	1482.90	26.02/7.95	20.7
Access Road	1143.00	20.05/6.13	16.0
Supervision and Logging	421.00	7.39/2.26	5.9
Rig Consumables & Supplies	179.90	3.17/0.90	2.5
Travel (Snowmobile Rental)	155.00	2.73/0.83	2.2
Totals:	$7150.99	$125.46/$38.34	100.0

Personnel involved in the drill program are listed in Appendix E.

GEOLOGIC SETTING

Physiography and Terrain

The property is situated in the Abitibi Upland Physiographic Province south of the St. Lawrence River/Arctic Ocean drainage divide and within the "Little Clay belt", the southwesterly portion of the Abitibi Clay Belt.

The property is forested by boreal species including mostly spruce in poorly drained areas and mixed spruce, poplar and birch on high ground in the centre of the property. Spruce, larch and balsam occupy the areas drilled on land.

Relief on the property is subdued with elevations varying from 300 m at lake level to 327 m ASL.

Quaternary Geology

Glacial sediments deposited in the late Wisconsinan Episode and to a much lessor extent, recent fluvial deposits, occupy most of the surface on the property with bedrock exposed only in the north east portion. Latest Ice direction in the area is SSE and on the property glacial striae are oriented from 327°.

Thin podzolic soils in forested areas cover the glaciolcustrine clays at surface whereas moss, peat and hydromorphic muck lie on the clays in swamps. The clays were deposited in glacial lakes Ojibway and Barlow ca. 10,000 BP and cover glaciofluvial and ice contact sands and gravels, the Matheson Till and an earlier, thin lodgement till. The latter is locally derived, with respect to the far travelled Matheson unit, and is preserved at lower elevations in bedrock topographic lows and may be absent from the overburden profile in the vicinity of the property. Additional discourse on Quaternary and Pleistocene geology of the property and surroundings

is available in Routledge et al, 1981 and Shelp and Averill, 1987.

Bedrock Geology

The property lies within the Superior Lithotectonic Province of the Canadian Precambrian Shield. Past work indicates the north and northwest part of the property is underlain by late Archean Timiskaming calc-alkalic volcanics and by metasedimentary rocks. This assemblage is separated by the regionally extensive Kirkland Lake-Larder Lake Break from an older sequence to the south consisting of the Larder Lake Group komatiites and Kinojevis Group tholeiitic volcanics and interflow cherts, iron formation and carbonate sediments. Rocks on the property were subjected to regional deformation during the Kenoran Orogeny and are weakly metamorphosed. In the area drilled, a northwest trending fault is discernable on aerial photos and inferred from compiled mapping and drilling data (Carmichael, 1987.)

RESULTS OF THE DRILL PROGRAM

Overburden Stratigraphy

The Quarternary overburden profile in the four holes was consistent with the 1987 series of holes drilled southeast and east of the current area drilled and with the 1980-81 KLIP RCD holes 80-24 & 25 and 81-01 to 03 with the exception that the thin basal till in some of the KILP holes was not identified in the KE-01 to 04 profiles. The KLIP holes were collared within 600 m to 3.9 km of the 1994 drill area.

The glacial overburden column in the KE series holes averages 11.2 m (36.7') and is characterized by 2.5 m to 13.4 m of glaciolacustrine clay and 0.6 m to 7.3 m mafic volcanic-rich cobbly to bouldery gravel lying on bedrock. Bedrock at the base of each hole was drilled from 1.5 m to 1.8 m.

For the land sites, recent (Holocene) organics on surface above the clays consisted of 1.2 m of rooty peat topped by black to dark brown muck in hole KE-01 and 5 m of brown peat in KE-04. KE-01 is located in marsh where a creek meets the shore of Kenogami Lake; KE-04 is in an open spruce swamp. Holes KE-02 and 03 drilled on ice on Kenogami Lake failed to return any lake bottom sediments through a lack of sealing of the rods for the first metre which results in the sample being flushed outside the rods to the lake bottom. As such these sediments are presumed to be ≤ m thick.

Glaciolacustrine Clay: The clays intersected are uniformly grey with no near surface oxidation evident likely due to non-oxidizing conditions below lake bottom and below the high water table in the marsh and swamp drill sites. Texture varies from soft, sticky and slightly soupy to stiffer, plastic and non-sticky. Drop stones and

varving by silt and sand were logged from 5 m to 10 m in KE-01 and varving from 6.5 m to 7.5 m in KE-04. This elevation correlates with an oxidized clay horizon in KLIP 81-01 4.1 km to the east and mud/organics and oxidized clay sequence in KLIP 80-28 located 6 km to the southeast which possibly represents the transition period between periglacial lakes Ojibway and Barlow.

Gravel: Dark greenish grey cobbly to bouldery, mafic volcanic-rich gravel lying on bedrock was logged and sampled in all four holes. The beige-grey medium sand matrix varies from 25% to 50% by volume. This unit correlates to the Matheson Till logged by Shelp, 1987 in RCD holes southeast and east of the current KE series holes where the till ranges in thickness from less than 1 m to 17.2 m. No significant silt, no clay as matrix component (other than minor silt and clay mixing with overlying lacustrine clay) and no coatings on clasts was noted to identify this unit as till. In general, Matheson Till in this area generally carries a larger component of felsic intrusive clasts as well as limestone. The composition of the gravel unit reflects underlying and local bedrock therefore indicating the unit is locally derived and probably originated as washed or ablation till. The progenitor of this unit is likely the lower, earlier till in the area which is preserved in Pleistocene topographic lows. The source of any indicator minerals or anomalous gold in this unit is expected to be nearby although not necessarily directly up ice.

Overburden Results

Gold: From two to five gold grains were panned from samples KE-01-01, KE-03-01, KE-03-02, KE-03-05 and KE-04-01. Pyrite in these panned table concentrates was minor at ≤ 1%. In addition to two gold grains in KE-01-01, six grains of bornite/chalcopyrite and one grain of arsenopyrite were also identified.

Gold grains were all fine (≤175 µm) and classed as "reshaped" or "modified" to which OBDM generally attributes as being far-travelled from bedrock source. However, if the ablation till origin interpreted for the host gravels is correct, the reshaping of the grains may be explained by surficial reworking during ablation which may not necessarily have occurred distal from source.

Estimated contribution to the gold analytical value of the whole sample, based on estimated mass of gold grains, ranges from 16 ppb in sample KE-03-01 to 85 ppb in sample KE-01-01. Confirmation of these moderately anomalous estimated values is awaited from geochemical analyses.

Gold grain counts from the KE series holes are relatively low with respect to that expected from significant occurrences and are less than counts from overburden in the 1987 series RC holes drilled east and southeast. The latter were downgraded as being distal or

originating from non-significant sources along the near by Kirkland Lake-Larder Lake Break (Shelp and Averill, 1987). Gold and gold indicator sulphides in the overburden of KE-01 and 03 may derive from similar low grade occurrences along the northwesterly lineament (and/or the parallel airborne VLF-EM anomaly as an additional fracture?). Two RCD holes of the 1987 series also disclosed pyrite and arsenopyrite in overburden down-ice of KE-01 and 03 and the northwesterly lineament. A manifestation of the source in bedrock may be the thin quartz vein and elevated bedrock gold in hole KE-01 (see below).

Kimberlite/Diamond Indicators: Five kimberlite indicators were picked in samples KE-01-01, KE-03-02, KE-03-03 and KE-03-05 from two holes. These are:

KE-01: 1 chrome diopside
KE-03: 2 purple pyrope (G-9 or G-10) (Gurney, 1984) and 2 possible eclogitic garnets. The latter may also be G-1/G-2 o common crustal garnets. Further microprobe work is needed to verify chemistry.

Eighteen mineral grains of uncertain mineralogy/chemistry were analyzed by SEM from the various heavy mineral fractions by OBDM. These did not turn out to be indicators.

Indicators in holes KE-01 and 03 lie up ice of the backhoe trenches where other kimberlite/diamond indicators were found in 1992 and these holes may have intersected the same indicator dispersal train. Dispersal direction uncertainties imposed by the gravel host to the indicators notwithstanding, the source of these indicators may lie further up ice from KE-01 and 03, possibly a magnetic high coincident with two weak AEM conductors 400 m NW of hole KE-03.

Bedrock Units

Bedrock intersected in holes KE-01 to 03 is similar and was field logged as dark greenish grey, aphanitic and aphyric mafic volcanic rock. Composition is likely basalt with correlation to the Kinojevis Group. Bedrock in holes KE-02 and 03 is weakly foliated in contrast moderate cleavage in KE-01. The latter hole is near the NW lineament and reflects strain from the fault.

In KE-01, white quartz was logged in the +10 chips . This is likely a thin (± 1 cm) veinlet.

Hole KE-04 was stopped in a medium grey, fine grained amphibole ± feldspar phyric volcanic or hypabbysal intrusive rock field logged as andesitic (diorite?) in composition. With respect to rock in the other holes, KE-04 is enriched in Ba, Ca, Mn, P, Sc, Sr and depleted in Ti. This substantiates a more felsic composition.

Gold analysis certificates for the bedrock samples are in Appendix D. Gold in KE-02 and 03 is background to slightly elevated and ranges from nil to 17 ppb. Modestly elevated gold in KE-01 and 04 ranges from 79 ppb up to 312 ppb respectively. The elevated gold in KE-01 may relate to the thin quartz vein intersected. KE-04 is within 100 m of the Kirkland Lake-Larder Lake Break and may reflect gold in the parallel shears making up this fault system.

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CERTIFICATE OF QUALIFICATIONS

I, Richard E. Routledge, certify that:-

1. I am a consulting exploration geologist and principal of R. E. Routledge and Associates.

2. I reside at 82 Oriole Drive, Holland Landing in the Township of East Gwillimbury, Ontario.

3. I graduated from Sir George Williams University (now Concordia) in 1971 with B.Sc.(Major) degree in Geology and from McGill University in 1973 with a M.Sc. (Applied) degree in Mineral Exploration. I have practised my profession as an exploration geologist since 1971 and have conducted exploration using the reverse circulation rotary overburden drilling technique since 1974.

4. I am a Professional Geologist licensed by the Association of Professional Engineers, Geologists and Geophysicists of the Northwest Territories.

5. The accompanying report is based on information available in public files and other information provided by Greater Lenora Resources Corp. I personally supervised the drilling operations and carried out logging and sampling and reporting.

6. I am Vice-President and Exploration Manager for Greater Lenora Resources Corp. and hold stock options in the Company.

7. I hereby consent to the use of this report for assessment credit filing.



R. E. Routledge, B.Sc., M.Sc. (applied), P.Geol.

Holland Landing
April 22, 1994

APPENDIX A
(List of Claims - Eby Property)

GREATER LENORA RESOURCES CORP.
EBY GROUP PROPERTY - LIST OF CLAIMS

Cumulative # of Claims	Claim No.	Township	Expiry Date	Recording Date
1	L618673	Eby	95/01/29	82/01/29
2	L618674	Eby	95/01/29	82/01/29
3	L618675	Eby	95/01/29	82/01/29
4	L618676	Eby	95/01/29	82/01/29
5	L618677	Eby	95/01/29	82/01/29
6	L618678	Eby	95/01/29	82/01/29
7	L620743	Eby	95/01/29	82/01/29
8	L620744	Eby	95/01/29	82/01/29
9	L620745	Eby	95/01/29	82/01/29
10	L620746	Eby	95/01/29	82/01/29
11	L620747	Eby	95/01/29	82/01/29
12	L620748	Eby	95/01/29	82/01/29
13	L620750	Eby	95/01/29	82/01/29
14	L620751	Eby	95/01/29	82/01/29
15	L620752	Eby	95/01/29	82/01/29
16	L620753	Eby	95/01/29	82/01/29
17	L620754	Eby	95/01/29	82/01/29
18	L620755	Eby	95/01/29	82/01/29
19	L620756	Eby	95/01/29	82/01/29
20	L620757	Eby	95/01/29	82/01/29
21	L640893	Eby	95/01/29	82/01/29
22	L640894	Eby	95/01/29	82/01/29
23	L640895	Eby	95/01/29	82/01/29
24	L640896	Eby	95/01/29	82/01/29
25	L640897	Eby	95/01/29	82/01/29
26	L640898	Eby	95/01/29	82/01/29
27	L640899	Eby	95/01/29	82/01/29
28	L640900	Eby	95/01/29	82/01/29
29	L640901	Eby	95/01/29	82/01/29
30	L640902	Eby	95/01/29	82/01/29
31	L640903	Eby	95/01/29	82/01/29
32	L640904	Eby	95/01/29	82/01/29
33	L640905	Eby	95/01/29	82/01/29
34	L640906	Eby	95/01/29	82/01/29
35	L640908	Eby	95/01/29	82/01/29
36	L640938	Eby	95/01/29	82/01/29
37	L640939	Eby	95/01/29	82/01/29
38	L640940	Eby	95/01/29	82/01/29
39	L640941	Eby	95/01/29	82/01/29
40	L640942	Eby	95/01/29	82/01/29
41	L640944	Eby	95/01/29	82/01/29
42	L640945	Eby	95/01/29	82/01/29
43	L640946	Eby	95/01/29	82/01/29
44	L640947	Eby	95/01/29	82/01/29
45	L640948	Eby	95/01/29	82/01/29
46	L640949	Eby	95/01/29	82/01/29
47	L640950	Eby	95/01/29	82/01/29
48	L640951	Eby	95/01/29	82/01/29

Cumulative # of Claims	Claim No.	Township	Expiry Date	Recording Date
49	L640952	Eby	95/01/29	82/01/29
50	L640960	Eby	95/01/29	82/01/29
51	L640961	Eby	95/01/29	82/01/29
52	L640962	Eby	95/01/29	82/01/29
53	L640963	Eby	95/01/29	82/01/29
54	L640964	Eby	95/01/29	82/01/29
55	L640965	Eby	95/01/29	82/01/29
56	L640966	Eby	95/01/29	82/01/29
57	L760582	Eby	95/07/21	82/01/21
58	L935417	Eby	95/07/21	82/01/21
59	L935418	Eby	95/07/21	82/01/21
60	L935419	Eby	95/07/21	82/01/21
61	P12174	Eby	Patented MRO	
62	P12175	Eby	Patented MRO	
63	P16740	Eby	Patented MRO	
64	P16748	Eby	Patented MRO	
65	P16749	Eby	Patented MRO	
66	P16750	Eby	Patented MRO	
67	P16751	Eby	Patented MRO	
68	P16767	Eby	Patented MRO	
69	P16769	Eby	Patented MRO	
70	P17402	Eby	Patented MRO	
71	P17403	Eby	Patented MRO	
72	P17404	Eby	Patented MRO	
73	P17715	Eby	Patented MRO	
74	P18227	Eby	Patented MRO	
75	P18837	Eby	Patented MRO	
76	P19129	Eby	Patented MRO	
77	P8803	Eby	Patented MRO	
78	P8950	Eby	Patented MRO	
79	P9846	Eby	Patented MRO	
80	P9848	Eby	Patented MRO	
81	1186391	Eby	94/04/27	92/04/27
82	1186392	Eby	94/04/27	92/04/27
83	1186393	Eby	94/04/28	93/04/28
84	1186394	Eby	94/04/28	93/04/28
85	1186395	Eby	94/04/28	93/04/28
86	1186396	Eby	94/04/28	93/04/28
87	1186601	Eby	94/06/15	93/06/15
88	1186602	Grenfell	94/06/15	92/06/15
89	1186603	Grenfell	94/06/15	92/06/15
90	1186604	Grenfell	94/06/15	92/06/15
91	1186605	Grenfell	94/06/15	92/06/15

APPENDIX B
(Drill Logs)

Graphic Log for Overburden Drilling

ICE



Record thickness.

WATER



Record depth and describe lake bottom sediments.

CLAY



Record colour and compactness. Note varves and any sand or silt interbeds. Solid upper unit denotes organics: muck, peat and swamp deposits developed on clay.

SILT



Record colour.

SAND



Record grain size (fine, medium, coarse): note thickness of layers and degree of oxidation.



Pebbly sand interbed (few one-quarter inch pebbles on screen).

GRAVEL



Matrix medium-coarse sand or granules. Pebbly.



Matrix as above. Cobbly. (bouldery)



Pebbly with sand interbeds.

TILL (Debris flows; till-like in appearance)



Matrix fine-medium sand ± silt. Pebbly. Record colour of silt.



Matrix as above. Cobbly.



Clayey matrix* (gritty lumps on screen and/or clay coating on pebbles). Cobbly. Record colour of clay.

BEDROCK



Record colour, texture, grain size, and veining or structures. Note economic mineralization.

* clay balls, silty clay balls.

R. E. ROUTLEDGE & ASSOCIATES
REVERSE CIRCULATION DRILL HOLE LOG

(Lake Grid)

DATE March 30, 1994

HOLE NO. KE-01 LOCATION 80°15'10"W 48°05'29"N / 56+30E 65+50N

GEOLOGIST AER DRILLER A. Lafleur BIT NO. USED BIT FOOTAGE 0 - 18m

MOVE TO HOLE March 29, 1994 07:30 - 9:05 March 30.

DRILL 09:05 - 09:20 ; 10:45 - 11:45

MECHANICAL DOWN TIME 1½ hours - wait for bits (bits had no water ports).

DRILLING PROBLEMS 07:30 hrs - 09:05 wait for water - thaw water pumps

OTHER (frozen) move to several sites on Lake to get water below ice.

MOVE TO NEXT HOLE 11:50 - 12:10 after changing water control valve and replacing used bit with a new one.

SHIFT 7:00 TO 17:00

TOTAL HOURS

CONTRACT HOURS

ELEVATION 308m

IN FEET	GRAPHIC LOG	INTERVAL	SAMPLE NO.	IN METRES	DESCRIPTIVE LOG
					Organics - black muck, root matter and peat
10					Grey glaciolacustrine clay, sticky and plastic.
				5	- varved with fine sand and silt layers, occasional drop stones
0			NS		
					- less sand and silt
0				10	
					- slightly stiffer clay, no sand likely not varved
40					
			01		Gravel: dark greenish grey mafic volcanic rich cobbly to bouldery gravel. Medium sand matrix at ±30% of volume. Broken bedrock slabs at 15.5m.
0			02	15	
					Bedrock; dark greenish grey foliated volcanic -
60					(@ 6.2m) mafic, likely basalt. Thin quartz vein - white, barren material ± 1cm wide in sample.
				20	EOH - 18m.

RE Routledge

R. E. ROUTLEDGE & ASSOCIATES

REVERSE CIRCULATION DRILL HOLE LOG

(Lake Grid)

DATE *March 30, 1994*

HOLE NO. *KE-02* LOCATION *80°15'01"W 48°05'45"N / 58+88E 69+85N*

GEOLOGIST *REA/DK* DRILLER *D. Laflam* BIT NO. *CB 70928* BIT FOOTAGE *0-9m*

SHIFT *0:70* TO *7:00*

MOVE TO HOLE *11:50 - 12:10*

DRILL *12:10 - 13:10*

TOTAL HOURS

MECHANICAL DOWN TIME

DRILLING PROBLEMS

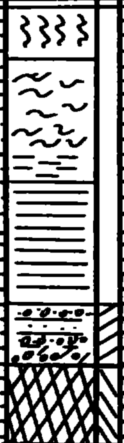
CONTRACT HOURS

OTHER *STORE REJECT MATERIAL ON RIG ; CLEAN ON ICE SITE*

MOVE TO NEXT HOLE *13:10 - 13:25*

ELEVATION 300m

IN FEET	GRAPHIC LOG	INTERVAL	SAMPLE NO.	IN METRES	DESCRIPTIVE LOG
					Ice
10					*Lake water - bottom location uncertain because of lack of sealing of rods.*
			NS	5	*Grey glaciolacustrine clay - soft and sticky*
40			*01*		*Intermixed lacustrine clay and mafic volcanic rich gravel - probably dropped or flushed material off ice or washed glaciofluvial gravel / ablation till.*
0			*02*	10	*Bedrock @ 7.3m Dark greenish grey, very fine grained to aphanitic and aphyric mafic volcanic. Less foliated (weakly) than in KE-01 but similar composition.*
40					*EOH - 9m*
				15	
				20	



R.E. Routledge

R. E. ROUTLEDGE & ASSOCIATES

REVERSE CIRCULATION DRILL HOLE LOG (Lake Drill)

DATE March 30, 1994

SHIFT 07:00 TO 17:00

TOTAL HOURS ____

CONTRACT HOURS ____

HOLE NO. KE-03 LOCATION 80°15'24"W 48°05'43"N / 53+66E 69+59N

GEOLOGIST RGR/A.K. DRILLER D. Lafleur BIT NO. 87092B BIT FOOTAGE 9m-27m

MOVE TO HOLE 13:10 - 13:25

DRILL 13:25 - 14:25

MECHANICAL DOWN TIME ____

DRILLING PROBLEMS ____

OTHER STORE REJECT MATERIAL ON RIG; CLEAN ON-ICE SITE.

MOVE TO NEXT HOLE 14:25 - 15:35

ELEVATION 300 m

IN FEET	GRAPHIC LOG	INTERVAL	SAMPLE NO.	IN METRES	DESCRIPTIVE LOG
					Ice
					Lake water
					Grey glaciolacustrine clay, sticky
10			NS	5	
20					
30			01	10	Gravel:-
			02		dark greenish grey mafic volcanic rich and cobbly with medium sand matrix ± 25% volume.
40			03		minor clay at top - mixed with (contaminated by) upper clays.
			04		- mafic volcanic boulder at 11 to 11.4m - same composition as bedrock.
0			05	15	- weathered, yellow brown tinged felsic - granitic - boulder .3 m thick at 15 m.
			06		Bedrock at 16.5m - dark greenish grey mafic volcanic - basalt - aphanitic and aphyric same as holes KE-01 and KE-02.
60				20	EOH - 18m

R E Routledge

R. E. ROUTLEDGE & ASSOCIATES
REVERSE CIRCULATION DRILL HOLE LOG

(LAND GRID)

DATE March 30, 1989

SHIFT 0700 TO 1700

TOTAL HOURS ____

CONTRACT HOURS ____

HOLE NO. KE-04 LOCATION 80°15'11"W 48°04'55"N / 48+30W 046ON

GEOLOGIST RER/DK DRILLER D. LaFleur BIT NO. CA70928 BIT FOOTAGE 27m - 39m

MOVE TO HOLE 14:25 - 15:35 - CLEAN BENCH; DISCARD SAVED REJECTS.

DRILL 15:35 - 16:20

MECHANICAL DOWN TIME ____

DRILLING PROBLEMS ____

OTHER ____

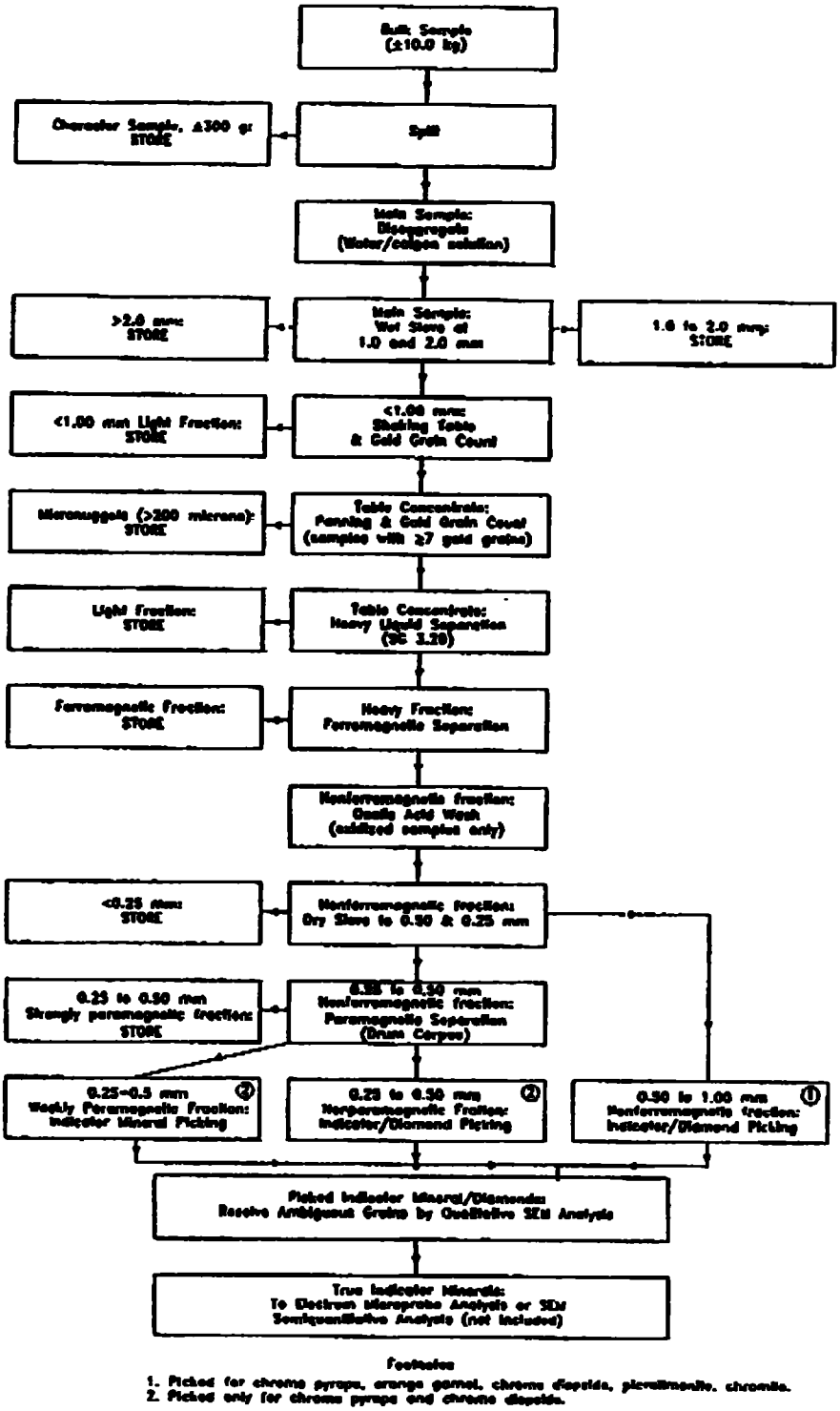
MOVE TO NEXT HOLE CLEAN up; DRAIN EQUIPMENT - DEMOB. TO 18:30.

ELEVATION 302m

IN FEET	GRAPHIC LOG	INTERVAL	SAMPLE NO.	IN METRES	DESCRIPTIVE LOG
					Organics - brown peat, minor oxidized silt and dark brown clay
10				5	
20			NS		Grey glacio lacustrine clay & silty at top grading to plastic and non-sticky with depth - varved 16.5 - 17.5 m. - silt and sand layers
30			01	10	Gravel - mafic volcanic rich, felsics < 1%. Medium sand matrix up to 50% volume.
			02		Bedrock @ 10.1m - Medium grey fine grained volcanic - feldspar and amphibole? phyric - phenocrysts ± 1mm. - andesitic composition.
40				15	

R E Routledge

APPENDIX C
(Processing Logs)



Footnotes

1. Picked for chrome pyrope, orange garnet, chrome diopside, picroilmenite, chromite.
2. Picked only for chrome pyrope and chrome diopside.

Flow Sheet – Processing Flow Sheet for Surface Till Samples

OVERBURDEN DRILLING MANAGEMENT LIMITED
LABORATORY SAMPLE LOG

21-Apr -1994
PROJECT: KE
TOTAL OF 8 SAMPLES.
FILENAME: KASNIAPK.WRI

SAMPLE NUMBER	WEIGHT (KILOGRAMS)					SAMPLE DESCRIPTION											CLASS
						CLASTS)2.0 MM					MATRIX (1.0 MM						
						SIZE	PERCENTAGE					DISTRIBUTION			COLOUR		ORG.	
	BULK REC'VED	TABLE SPLIT	+2 MM CLASTS	1-2 MM CLASTS	TABLE FEED		V/S	GR	LS	OT	S/U	SD	ST	CY	SAND	CLAY		
KE																		
01-01	8.75	8.75	0.70	1.05	7.00	C	95	5	0	0	U	+	-	N	GB	NA	N	TILL
02-01	4.35	4.35	0.05	0.15	4.15	C	95	5	0	0	U	+	Y	N	GB	NA	N	TILL
03-01	5.60	5.60	0.05	0.35	5.20	C	100	0	0	0	U	+	Y	-	GB	GB	N	TILL
03-02	5.00	5.00	0.02	0.30	4.68	C	100	0	0	0	U	+	Y	-	GB	GB	N	TILL
03-03	6.10	6.10	0.00	0.65	5.45	NA	NA	NA	NA	NA	U	+	Y	-	GB	GB	N	TILL
03-04	6.00	6.00	0.20	0.50	5.30	C	95	5	0	0	U	+	Y	-	GB	GB	N	TILL
03-05	5.85	5.85	0.15	0.45	5.25	C	95	5	0	0	U	+	Y	-	GB	GB	N	TILL
04-01	6.10	6.10	0.15	0.45	5.50	C	95	5	0	0	U	+	Y	-	GB	GB	N	TILL

GOLD CLASSIFICATION

VISIBLE GOLD FROM SHAKING TABLE AND PANNING

KASN1APR.WK2
TOTAL # OF PANNINGS

SAMPLE #	PANNED Y/N	DIAMETER	THICKNESS	NUMBER OF GRAINS RESHAPED T	RESHAPED P	MODIFIED T	MODIFIED P	PRISTINE T	PRISTINE P	TOTAL	MIN MG	CALC V.G. ASSAY PPB	REMARKS
KE													
01-01	Y	25 X 50	8 C	1						1			EST. 0.2% PYRITE
		125 X 175	29 C		1					1			
										2	59.3	85	
02-01	N	NO VISIBLE GOLD											
03-01	Y	25 X 25	5 C	1						1			EST. 0.2% PYRITE
		25 X 50	8 C	1						1			
		25 X 75	10 C	1						1			
		50 X 75	13 C	1						1			
										4	41.8	16	
03-02	Y	25 X 50	8 C			1				1			EST. 0.2% PYRITE
		50 X 75	13 C	1	1					2			
										3	43.7	19	
03-03	N	NO VISIBLE GOLD											
03-04	N	NO VISIBLE GOLD											
03-05	Y	25 X 25	5 C	1						1			EST. 0.3% PYRITE
		25 X 50	8 C		1					1			
		50 X 75	13 C	1						1			
		75 X 75	15 C	1						1			
		75 X 125	20 C	1						1			
										5	46.2	57	
04-01	Y	50 X 50	10 C		1					1			EST. 1% PYRITE
		50 X 100	15 C	1						1			
										2	44.4	19	

OVERBURDEN DRILLING MANAGEMENT LIMITED

GOLD GRAIN SUMMARY SHEET

KASN1APR.WR2

Sample No.	Number of Visible Gold Grains				Non-Mag Weight	Calculated PPB Visible Gold			
	Total	Reshaped	Modified	Pristine		Total	Reshaped	Modified	Pristine
KE									
01-01	2	2	0	0	59.3	85	85	0	0
02-01	0	0	0	0	32.0	0	0	0	0
03-01	4	4	0	0	41.8	16	16	0	0
03-02	3	2	1	0	43.7	19	17	2	0
03-03	0	0	0	0	62.1	0	0	0	0
03-04	0	0	0	0	33.5	0	0	0	0
03-05	5	5	0	0	46.2	57	57	0	0
04-01	2	2	0	0	44.4	19	19	0	0

OVERBURDEN DRILLING MANAGEMENT LIMITED - LABORATORY SAMPLE LOG

ABBREVIATIONS

DATA LOG

Clast:

Size of Clast:
- G: Granules
- P: Pebbles
- C: Cobbles
- BL: Boulder Chips
- BK: Bedrock Chips

% Clast Composition:
- V/S: Volcanics and Sediments
- GR: Granitics
- LS: Limestone
- OT: Other Lithologies (Refer to Footnotes)
- TR: Only Trace Present
- NA: NOT APPLICABLE
- OX: Oxidized

Matrix:

S/U: Sorted or Unsorted

SD: Sand ——————| F: Fine
ST: Silt | M: Medium
CY: Clay | C: Coarse
OR: Organics

- Y: Fraction Present
- +: Fraction relatively more abundant
- -: Fraction relatively less abundant
- N: Fraction Not Present
- L: Lumps Present

Colour:

B:	Beige	PP:	Purple
GY:	Grey	PK:	Pink
GB:	Grey Beige	OC:	Ochre
GN:	Green	DOC:	Dark Ochre
GG:	Grey Green	MOC:	Medium Ochre
BN:	Brown	LOC:	Light Ochre
BK:	Black		

GOLD LOG

Number of Grains:
- T: Number found on Shaking Table
- P: Number found by panning

Thickness:
- C: Calculated Thickness of Grain (in microns)
- M: Actual Measured Thickness of Grain (in microns)

KIM LOG

Grains picked:
- GP: Purple garnet (G9/G10 chrome pyrope)
- GO: Orange mantle garnet; includes both eclogitic (G3) and Cr-poor megacryst (G1/G2) varieties; in some samples, may include a few grains of common crustal garnet (G5) lacking diagnostic inclusions or crystal faces.
- DC: Chrome diopside, emerald green; paler green low-Cr diopside picked separately.
- IL: Picroilmenite; in some samples, may include a few grains of common crustal ilmenite lacking diagnostic inclusions or crystal faces.
- CR: Chromite

OVERBURDEN DRILLING MANAGEMENT LIMITED
LABORATORY SAMPLE LOG
KIMBERLITE INDICATOR MINERAL COUNTS

21-Apr -1994
PROJECT:KE
TOTAL OF 23 SAMPLES.

SAMPLE NUMBER	TABLE CONCENTRATE (grams)								KIM COUNT								TOTAL KIMs
			M.I. SEPARATION 6.6 3.20						0.5 TO 1 mm					0.25 TO 0.5 mm			
	TOTAL	-0.25 mm	M.I. LIGHTS	TOTAL NON-MAG	0.5 TO 1.0 mm	0.25 TO 0.5 mm	-0.25 mm	MAG	GP	GO	DC	IM	CR	GP	DC	
KE																	
01-01	398.2	NA	323.7	59.2	1.6	8.3	49.1	15.3	0	0	0	0	0	0	1	1
02-01	201.5	NA	164.7	31.9	0.4	3.2	28.3	4.9	0	0	0	0	0	0	0	0
03-01	251.1	NA	202.1	41.6	0.8	4.4	36.4	7.4	0	0	0	0	0	0	0	0
03-02	272.5	NA	221.0	43.6	1.0	4.9	37.7	7.9	1	0	0	0	0	0	0	1
03-03	375.9	NA	312.3	52.1	1.9	7.0	43.2	11.5	0	2	0	0	0	0	0	2
03-04	139.2	NA	97.2	33.5	1.5	4.3	27.7	8.5	0	0	0	0	0	0	0	0
03-05	312.1	NA	256.3	46.1	1.8	5.2	39.1	9.7	0	0	0	0	0	1	0	1
04-01	325.4	NA	272.0	44.4	1.7	6.7	36.0	9.0	0	0	0	0	0	0	0	0

KASNER GROUP: R. ROUTLEDGE

04/21/94

KIMBERLITE INDICATOR MINERAL PICKING FOOTNOTES:

SAMPLE NO: REMARKS:

KE

01-01 Saw several (6) grains bornite/chalcopyrite and one grain arsenopyrite. Picked 2 pale emerald green diopside. SEM indicates 1 very low-Cr diopside and 1 common diopside.

02-01 Picked 2 green grains, possible low-Cr diopside from 0.25-0.5 mm fraction. SEM/EDS on two grains show common diopside. Also picked 1 bluish grain having bluish emerald tint suspect spinel.

03-01 2 diopside picked and checked. SEM = common diospide.

03-02 Picked 2 green grains. Possible Cr-poor diopside. Not checked.

03-03 Picked 2 GO, 1 possible IN and 1 possible CR. SEM/EDS indicates crustal ilmenite and hematitie. Picked 6 green grains, best two checked as possible Cr-diopside. SEM confirmes low-Cr diopside on the two grains.

03-04 Picked 1 cloudy emerald green grain. SEM/EDS identifies as zeisite.

03-05 Picked 5 black grains. SEM shows 2 crustal ilmenite and 3 hematite. Picked 2 low-Cr diospide from 0.5 mm (not checked).

04-01 Picked 1 green grain as observed in 03-04. Not checked but probably also zeisite. Picked 2 black grains, similar to grains in 03-05 which SEM/EDS showed as hematite.

APPENDIX D
(Geochemical and ICAP Analytical Certificates)

Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Established 1938

Geochemical Analysis Certificate

4W-0608-RG1

Company: **GREATER LENORA RES CORP**

Date: APR-07-94

Project:

Attn:

We hereby certify the following Geochemical Analysis of 4 Cuttings samples submitted MAR-31-94 by .

Sample Number		Au PPB	Au Check PPB	Multi-Scan
KE-02	+10Mesh	7		to
KE-02	-10Mesh	17		follow
KE-03-06	-10Mesh	Nil		
KE-04-02	-10Mesh	302	312	

Certified by G. Leb

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-3244 FAX (705) 642-3300

Established 1928

Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

Geochemical Analysis Certificate

4W-0635-RG1

Company: GREATER LENORA RES CORP

Date: APR-08-94

Project:

Attn:

We hereby certify the following Geochemical Analysis of 4 Cutting samples submitted APR-04-94 by .

Sample Number		Au PPB	Au Check PPB	Multi-Scan
KE-01	+10Mesh	86	79	Results
KE-01	-10Mesh	17		to
KE-03	+10Mesh	14		follow
KE-04	+10Mesh	3		

Certified by G. Leboff

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-3244 FAX (705) 642-3300

TSL/ASSAYERS Laboratories

1270 FEWSTER DRIVE, UNIT 3 MISSISSAUGA,ONTARIO L4W-1A4
PHONE #: (905)625-1544 FAX #: (905)206-0513

REPORT No. : M3305
Page No. : 1 of 1
File No. : AP06MA
Date : APR-11-1994

GREATER LENORA RES CORP.

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

4W-0608-RG1

SAMPLE #	Ag PPM	Al %	As PPM	B PPM	Ba PPM	Be PPM	Bi PPM	Ca %	Cd PPM	Co PPM	Cr PPM	Cu PPM	Fe %	Mg %	Mn PPM	Mo PPM	Na %	Ni PPM	P PPM	Pb PPM	Sb PPM	Sc PPM	Sr PPM	Th PPM	V PPM	W PPM	Y PPM	Zn PPM	Zr PPM
KE-02 +10 MESH	< 1	1.5	< 5	< 10	25	< 1	< 5	0.71	< 1	18	350	46	2.8	1.1	410	< 2	0.05	56	880	< 1	< 5	5	< 10	66	1100	44	< 10	6	49	9
KE-02 -10 MESH	< 1	0.98	< 5	< 10	26	< 1	< 5	0.77	< 1	10	190	28	1.7	0.80	230	< 2	0.06	43	770	< 1	< 5	3	< 10	57	800	28	< 10	4	34	7
KE-03-06 -10 MESH	< 1	1.8	< 5	< 10	41	< 1	< 5	0.66	< 1	15	170	< 1	2.8	1.1	430	< 2	0.08	59	470	< 1	< 5	6	< 10	69	1800	39	< 10	9	87	14
KE-04-02 -10 MESH	< 1	2.2	< 5	< 10	420	< 1	< 5	4.1	< 1	27	870	12	4.8	1.7	710	< 2	0.03	190	910	< 1	< 5	13	< 10	180	870	72	< 10	5	90	10

A .5 gm sample is digested with 2 ml of 3:1 HCL/HNO3
at 95 C for 90 min and diluted to 10 ml with DI H2O
This method is partial for many oxide materials

SIGNED :

TSL/94

TSL/ASSAYERS Laboratories

1270 FEWSTER DRIVE, UNIT 3 MISSISSAUGA,ONTARIO L4W-1A4
PHONE #: (905)625-1544 FAX #: (905)206-0513

GREATER LENORA RES CORP.

REPORT No. : M3307
Page No. : 1 of 1
File No. : APO6MA
Date : APR-11-1994

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

4W-0635-RG1

SAMPLE #	Ag ppm	Al %	As PPM	B ppm	Ba ppm	Be ppm	Bi PPM	Ca %	Cd PPM	Co ppm	Cr PPM	Cu ppm	Fe %	Mg %	Mn PPM	Mo ppm	Na %	Ni PPM	P PPM	Pb PPM	Sb PPM	Sc PPM	Sr PPM	V PPM	Y PPM	Zn PPM	Zr ppm
E-01 +10 MESH	< 1	2.8	< 5	< 10	50	< 1	< 5	0.85	< 1	22	270	36	4.5	1.3	740	< 2	0.09	89	760	< 1	< 5	10	< 10	88	1900	58	< 10	10	< 97	18
E-01 -10 MESH	< 1	1.7	< 5	< 10	36	< 1	< 5	0.79	< 1	14	190	22	3.0	1.1	450	< 2	0.06	52	460	< 1	< 5	6	< 10	54	1500	45	< 10	7	54	13
E-03 +10 MESH	< 1	2.5	< 5	< 10	46	< 1	< 5	0.75	< 1	22	370	< 1	4.0	1.2	630	< 2	0.08	70	700	< 1	< 5	9	< 10	89	2400	57	< 10	12	85	24
E-04 +10 MESH	< 1	2.4	< 5	< 10	440	< 1	< 5	4.5	< 1	29	100	8	< 1	1.7	780	< 2	0.02	200	1200	< 1	< 5	15	< 10	200	350	84	< 10	6	76	11

.5 gm sample is digested with 2 ml of 3:1 HCL/HNO3
t 95 C for 90 min and diluted to 10 ml with DI H2O
nis method is partial for many oxide materials

SIGNED :

3L/94

REATER LENORA RES CORP.

1270 FENSTER DRIVE, UNIT 3 MISSISSAUGA,ONTARIO L4W-1A4
PHONE #: (905)625-1544 FAX #: (905)206-0513

REPORT No. : M3307
Page No. : 1 of 1
File No. : APOGMR
Date : APR-11-1994

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

-0635-RG1

SAMPLE #	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPB	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB	PPM	PPM	%	PPM	PPM	PPM
01 +10 MESH	1	41	2	97	< 0.2	39	22	270	3.6	41	< 5	< 5	< 20	89	760	< 1	< 5	10	< 10	88	1900	58	< 10	10	97	18	< 10	2.8	< 5	< 10	50	< 1	< 5	0.85	< 1	< 5	< 5
01 -10 MESH	< 1	3.0	< 2	84	< 0.2	13	14	190	2.2	3.0	< 5	< 5	< 20	52	460	< 1	< 5	6	< 10	54	1800	45	< 10	7	84	13	< 10	1.7	< 5	< 10	38	< 1	< 5	0.79	< 1	< 5	< 5
03 +10 MESH	< 1	41	2	124	< 0.2	39	22	370	3.6	41	< 5	< 5	< 20	70	700	< 1	< 5	9	< 10	89	2400	57	< 10	12	85	24	< 10	2.8	< 5	< 10	46	< 1	< 5	0.78	< 1	< 5	< 5
04 +10 MESH	< 1	3.0	< 2	11	< 0.2	1	2	40	0.4	3.0	< 5	< 5	< 20	200	1200	< 1	< 5	15	< 10	200	160	84	< 10	6	64	11	< 10	2.4	< 5	< 10	940	< 1	< 5	4.5	< 1	< 5	< 5

gm sample is digested with 2 ml of 3:1 HCL/HNO3
5 C for 90 min and diluted to 10 ml with DI H2O
method is partial for many oxide materials

SIGNED :

94

TSL/ASSOCIATED LABORATORIES
1270 FEWSTER DRIVE, UNIT 3 MISSISSAUGA,ONTARIO L4W-1A4
PHONE #: (905)625-1944 FAX #: (905)206-0513

GREATER LENORA RES CORP.

REPORT No. : M3305
Page No. : 1 of 1
File No. : APOGNA
Date : APR-11-1994

I.C.A.P. PLASMA SCAN

Aqua-Regia Digestion

4W-0606-RG1

SAMPLE #	Mg ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	V ppm	Y ppm	Zr ppm
1-02 +10 MESH	< 1	1.9	< 8	< 10	25	< 10	< 5	0.71	< 1	18	880	46	2.6	1.1	410	< 2	0.05	56	590	< 1	< 5	5	< 10	66	1100	44	< 10	6	48	9
1-02 -10 MESH	< 1	0.98	< 8	< 10	26	< 10	< 5	0.77	< 1	10	190	20	1.7	0.80	230	< 2	0.06	43	270	< 1	< 5	3	< 10	57	800	28	< 10	4	34	7
1-03-06 -10 MESH	< 1	1.8	< 8	< 10	43	< 10	< 5	0.66	< 1	15	170	< 1	2.8	1.1	430	< 2	0.06	59	670	< 1	< 5	6	< 10	69	1600	39	< 10	9	57	14
1-04-02 -10 MESH	< 1	2.2	< 8	< 10	620	< 10	< 5	4.1	< 1	27	250	12	3.8	1.7	710	< 2	0.01	190	2900	< 1	< 5	13	< 10	180	7200	72	< 10	9	90	10

A .5 gm sample is digested with 2 ml of 3:1 HCL/HNO3 at 95 C for 90 min and diluted to 10 ml with DI H2O this method is partial for many oxide materials

SIGNED :

APPENDIX E
(Personnel)

PERSONNEL

R.E. Routledge,
Holland Landing, Ontario: Drill supervision, logging and reporting.

G.C. Kasner, Glenn C. Kasner Exploration Services Ltd.
Kirkland Lake, Ontario: Planning, spotting holes, supervision.

D. Kasner
Kirkland Lake, Ontario: Sampler/helper, sample shipping.

D. Lafleur,
Heath & Sherwood Drilling, Kirkland Lake: Drill Runner

R. Teigen,
Heath & Sherwood Drilling, Kirkland Lake: Drill helper

D. Phillips,
Heath & Sherwood Drilling, Kirkland Lake: Water Hauler

APPENDIX F
(Certification of Expenses)

CERTIFICATION OF EXPENSES

The below listed direct expenses are certified as having been incurred by Greater Lenora Resources Corp. in carrying out the RC drilling program described in this report.

RC Drilling, (Heath & Sherwood Drilling (1986) Inc)	$3769.19
Sample Processing, (Overburden Drilling Mgmt)	$1305.40
Compilation/Reporting, (R.E. Routledge & Assoc.)	$1123.50
Logging and Sampling	$421.00
Rig Consumables/Supplies	$179.90
Gold Analyses, Swastika Labs	$157.50
Snowmobile Rental (3)	$155.00
Sample Shipping	$20.00
Total:	$7131.49



Ministry of Northern Development and Mines

Ontario

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number: DOCUMENT No. 9480 • 00208

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Min Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

Instructions:
- Please type or print and submit in duplicate.
- Refer to the Mining Act and Regulations for rec Recorder.
- A separate copy of this form must be completed for each Work Group.
- Technical reports and maps must accompany this form in duplicate.
- A sketch, showing the claims the work is assigned to, must accompany this form.

42A01SE0058 W9480-00208 EBY

900

Recorded Holder(s): GREATER LENORA RESOURCES CORP.		Client No.
Address: PO BOX 546 KIRKLAND LAKE ONTARIO P2N3J5		Telephone No. 705-567-5351
Mining Division: LARDER LAKE	Township/Area: EBY / GRENFELL	M or G Plan No. M 345 / G-3212.
Dates Work Performed — From: MARCH 29, 1994	To: APRIL 22, 1994	

Work Performed (Check One Work Group Only)

	Work Group	Type
	Geotechnical Survey	
	Physical Work, Including Drilling	REVERSE CIRCULATION ROTARY DRILLING.
	Rehabilitation	
	Other Authorized Work	
	Assays	
	Assignment from Reserve	

Total Assessment Work Claimed on the Attached Statement of Costs $ 7131.

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
HEATH & SHERWOOD INC.	34 DUNCAN AVE. NORTH KIRKLAND LAKE.
R.E. ROUTLEDGE & ASSOCIATES	82 DRIVER DRIVE, HOLLAND LANDING, ONT.
OVERBURDEN DRILLING MGMT.	3 CLEOPATRA DRIVE, NEPEAN, ONT.
SWASTIKA LABORATORIES	SWASTIKA.

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date: APRIL 26, 1994	Recorded Holder or Agent (Signature): R.E. Routledge

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.

Name and Address of Person Certifying: R.E. ROUTLEDGE. PO BOX 546 KIRKLAND LAKE. ONTARIO P2N3J5		
Telepone No.: 705-567-5351	Date: APRIL 26, 1994	Certified By (Signature): R.E. Routledge. Vice President-Exploration

For Office Use Only

Total Value Cr. Recorded: applied $6983. Reserve #148.	Date Recorded: April 26/94	Mining Recorder:	Received Stamp: RECEIVED 94 APR 26 PM 3 43 MINING LANDS DIVISION LARDER LAKE
	Deemed Approval Date: July 25/94.	Date Approved: July 11/94	
	Date Notice for Amendments Sent:		

0241 (03/91)

See attached for initialled amendments

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	1186601	3	$1783.-	~~$1783.-~~ $1017.-	~~$1682.-~~ $1134.-	
	1186396	2	$3565 max.	$432.-	$3133.-	
	1186391	3	0	$648	—	
	1186392	1	0	$216	—	
	1186393	4	0	$864	—	
	1186395	3	0	$648	—	
	1186394	3	0	$648	—	
	1186605	4	0	$864	—	
	1186604	6	0	$1297	—	
	1186603	2	0	$432	—	
	1186602	2	0	$433	—	
	640904	1	$1783.-	400.	~~$1235.-~~ $1783.	148.
				6983.		
	12		$7131.-	~~$7131.-~~	$6050.-	148.
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

1. ☑ Credits are to be cut back starting with the claim listed last, working backwards.
2. ☐ Credits are to be cut back equally over all claims contained in this report of work.
3. ☐ Credits are to be cut back as priorized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.

Signature

Date

0241 (03/91)

Ontario Ministry of Natural Resources

Ministry of Northern Development and Mines

INDEX TO LAND DISPOSITION

PLAN
G-3212
TOWNSHIP
GRENFELL

M.N.R. ADMINISTRATIVE DISTRICT
KIRKLAND LAKE
MINING DIVISION
LARDER LAKE
LAND TITLES/REGISTRY DIVISION
TIMISKAMING

DATE OF ISSUE
JUL 18 1994
LARDER LAKE
MINING RECORDER'S OFFICE

Scale 1:20 000

1000 0 1000 2000 Metres

1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 Feet

Contour Interval 10 Metres

SYMBOLS

- Boundary
- Township, Meridian, Baseline
- Road allowance; surveyed
- shoreline
- Lot/Concession; surveyed
- unsurveyed
- Parcel; surveyed
- unsurveyed
- Right-of-way; road
- railway
- utility
- Reservation
- Cliff, Pit, Pile
- Contour
- Interpolated
- Approximate
- Depression
- Control point (horizontal)
- Flooded land
- Mine head frame
- Pipeline (above ground)
- Railway; single track
- double track
- abandoned
- Road; highway, county, township
- access
- trail, bush
- Shoreline (original)
- Transmission line
- Wooded area

DISPOSITION OF CROWN LANDS

- 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)
- Cancelled
- Reservation
- Sand & Gravel

AREAS WITHDRAWN FROM DISPOSITION

MRO - Mining Rights Only
SRO - Surface Rights Only
M + S - Mining and Surface Rights

Description	Order No.	Date	Disposition	File
SAND AND GRAVEL				
⊗ GRAVEL FILE 127536				
⊗ GRAVEL FILE 127784				
⊗ M.T.C. GRAVEL PIT				
⊗ GRAVEL FILE 64647				
PENDING APPLICATION FOR SURFACE RIGHTS UNDER THE PUBLIC LANDS ACT				
② DUMP SITE				
④ TCPL (PIPELINE) APPLICATION FOR RIGHT OF WAY				
⊗ Surface Rights Withdrawn under Sec. 36, The Mining Act R.S.O. 1990, ORDER NO. W-GL/91/007 (Trans Canada Pipeline Right of Way and Buffer Zone particularly 40.25 metres or 132 ft. on either side of centre line of right of way)				

NOTES

ALL ISLANDS IN SESEKINIKA LAKE ARE WITHDRAWN FROM STAKING BY ORDER-IN-COUNCIL DATE DECEMBER 7, 1921

NOTICE OF FORESTRY ACTIVITY
THIS TOWNSHIP/AREA FALLS WITHIN THE TIMISKAMING MANAGEMENT UNIT AND MAY BE SUBJECET TO FORESTRY OPERATIONS. THE MNR UNIT FORESTER FOR THIS AREA CAN BE CONTACTED AT: P.O. BOX 189
SWASTIKA, ONTARIO
P0K 1T0
705-642-3222

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.

CIRCULATED AUG. 11, 1992 B.R.B.

Map base and land disposition drafting by Surveys and Mapping Branch, Ministry of Natural Resources.

The disposition of land, location of lot fabric and parcel boundaries on this index was compiled for administrative purposes only.

SMD 3212

42A01SE0008 W8480-002008 EBY
200

Grenfell Twp. M.351

Burt Twp. M.334

Otto Twp. M.379

Blain Twp. M.418

EBY

M.342

M.345

M.G.S. FILE 16864

Kenogami

Crooked

HYDRO LINE

T.C.P.L.

L.O.R.

GRAV P.55767

GRAVEL FILE 8456

PIT 1210

I
II
III
IV
V
VI

12 11 10 9 8 7 6 5 4 3 2 1

COPY OF THIS MYLAR ARCHIVED APR.27/92

K. Kalamov

THE TOWNSHIP OF

EBY

DISTRICT OF TIMISKAMING

LARDER LAKE MINING DIVISION

SCALE: 1-INCH=40 CHAINS

LEGEND

PATENTED LAND	(P)
CROWN LAND SALE	C.S.
LEASES	(L)
LOCATED LAND	Loc.
LICENSE OF OCCUPATION	L.O.
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	⊖ OR S.R.O.
ROADS	
IMPROVED ROADS	
KING'S HIGHWAYS	
RAILWAYS	
POWER LINES	
MARSH OR MUSKEG	
CANCELLED	

NOTES

400' surface rights reservation along the shores of all lakes and rivers

DATE OF ISSUE

AREAS WITHDRAWN FROM STAKING

JUL 18 1979

LARDER LAKE MINING DIVISION

Surface rights withdrawn under Sec. 36(1) The Mining Act R.S.O. 1980, ORDER NO. W-01/91/ONT (Trans Canada Pipeline Right of Way and Buffer Zone particularly 40.25 metres or 132 ft. on either side of centre line of right of way)

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.

PLAN NO. M-345

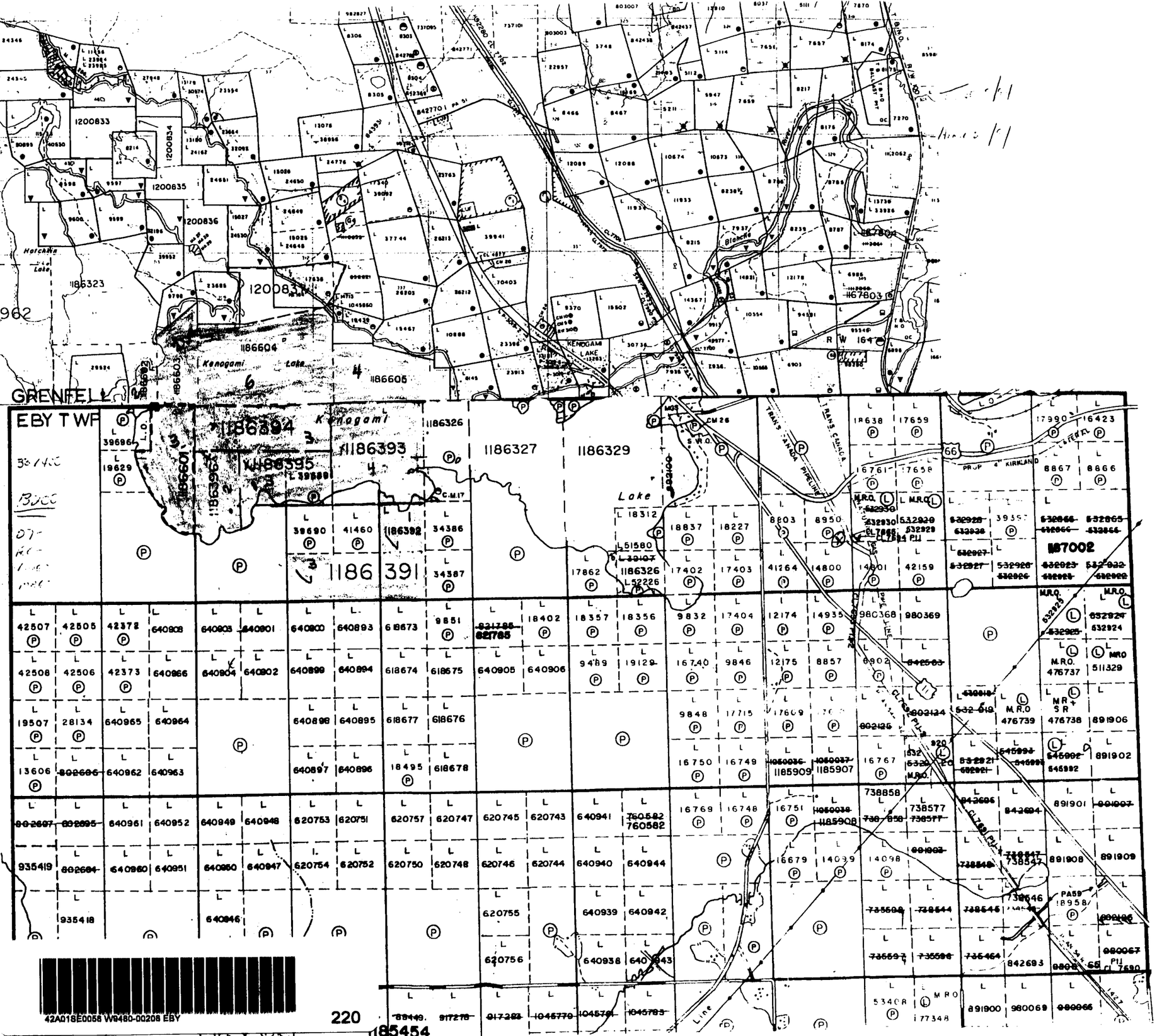
MINISTRY OF NORTHERN DEVELOPMENT AND MINES

Rec'd Jan. 25/89

42A01SE0056 W6480-00208 EBY

210

TRIM LINE



N

SKETCH SHOWING CLAIMS TO WHICH ASSESSMENT CREDITS ARE TO BE APPLIED.

Plans M-345 & G-3212
Scale 1"=40 Chains

1186601

KENOGAMI LAKE

1186395

1186393

1186366

KE-03
DIP -90°
AZIMUTH 360°
DEPTH 18m

KE-02
DIP -90°
AZIMUTH 360°
DEPTH 9m

39690
PATENTED

41460
PATENTED

KE-01
DIP -90°
AZIMUTH 360°
DEPTH 18m

PATENTED

PATENTED

1186391

Con. VI

Con. V

640908

640903

640901

LEGEND

REVERSE CIRCULATION DRILL HOLE

CIRCULAR MAGNETIC ANOMALY

ASTRONOMIC NORTH

SCALE 1:5000

100 0 200 400

METRES

640966

640904

640902

KE-04
DIP -90°
AZIMUTH 360°
DEPTH 12m

640964

Lot 11

Lot 10

PATENTED

42A01SE0058 W9480-00208 EBY

230

S. Carmichael
July 1/94

GREATER LENORA RESOURCES CORP.

REVERSE CIRCULATION DRILL HOLE LOCATIONS

EBY TOWNSHIP
DISTRICT OF TIMISKAMNG, ONT.
LARDER LAKE MINING DIVISION

NTS:	SCALE: 1:5000 METRIC	DATE: JULY, 1994
		REVISED:
PROJECT: M-002	DRAWN BY: S. CARMICHAEL	DRAWING: